

RSNA Index to Imaging Literature

CONTENTS

Foreword	iii
List of Journals Indexed	iv
Author Index	1
Subject Index	251
Comprehensive List of Terms	725



The Radiological Society of North America
1415 W. 22nd Street, Tower B
Oak Brook, IL 60521

Wiley-Liss
Imaging Library

© Copyright 1989 by
The Radiological Society of North America
ISSN 0033-8419

Printed in the United States of America

Foreword

THE organization of the 1986-1988 *RSNA Index to Imaging Literature* follows the structure of its recent predecessors. Complete indexing of all articles from *Radiology* and *RadioGraphics* and the major articles from 33 additional journals is offered.

The uniform style of references, with year of publication followed by volume and page number, is used throughout this edition.

Continuing progress of our specialty into new areas and the recording of original observations call for the addition of indexing terms each month. Terms not used for 3 years are automatically dropped from the current issue. The utility of the index for the practicing physician-radiologist and for the research-oriented radiologist is always the first consideration in the selection of terms and in the development of the index structure.

CLAUDIA J. GORMAN, *Index Editor*
STANLEY S. SIEGELMAN, MD, *Editor*
WILLIAM R. EYLER, MD, *Editor Emeritus*

List of Journals Indexed

Acta Oncologica (Acta Oncol)

P.O. Box 7449
S-10391
Stockholm, Sweden

Acta Radiologica (Acta Radiol)

P.O. Box 7449
S-10391
Stockholm, Sweden

American Journal of Neuroradiology

(AJNR)
The Williams & Wilkins Co.
428 E. Preston Street
Baltimore, MD 21202

American Journal of Roentgenology

(AJR)
The Williams & Wilkins Co.
428 E. Preston Street
Baltimore, MD 21202

Australasian Radiology

(Australas Radiol)
Bloxham & Chambers Pty. Limited
1 Leeds Street
Rhodes
New South Wales 2138
Australia

British Journal of Radiology

(Br J Radiol)
The British Institute of Radiology
36 Portland Place
London W1N 3DG
England

Cardiovascular and Interventional Radiology

(Cardiovasc Intervent Radiol)
Springer-Verlag New York, Inc.
175 Fifth Avenue
New York, NY 10010

Clinical Nuclear Medicine

(Clin Nucl Med)
Editorial Department
J. B. Lippincott Co.
East Washington Square
Philadelphia, PA 19105

Clinical Radiology (Clin Radiol)

Managing Editor
36 Portland Place
London W1N 3DG
England

Computerized Medical Imaging and Graphics (Comput Med Imag Graph) (Formerly Computerized Radiology, Comput Radiol)

Pergamon Press
Fairview Park
Elmsford, NY 10523

CT. The Journal of Computed Tomography (CT)

Elsevier Science Publishing Co., Inc.
52 Vanderbilt Avenue
New York, NY 10017

European Journal of Radiology

(Eur J Radiol)
Thieme Inc.
381 Park Avenue South
New York, NY 10016

Gastrointestinal Radiology

(Gastrointest Radiol)
Springer-Verlag New York, Inc.
175 Fifth Avenue
New York, NY 10010

International Journal of Radiation Oncology, Biology, Physics

(Int J Radiat Oncol Biol Phys)
Pergamon Press
Maxwell House
Fairview Park
Elmsford, NY 10523

Investigative Radiology

(Invest Radiol)
2350 Virginia Avenue
Hagerstown, MD 21740

Journal of the Canadian Association of Radiologists

(J Canad Assoc Radiol)
The Canadian Association of Radiologists
Suite 506
1440 Ste. Catherine St. West
Montreal, Quebec
Canada H3G 1R8

Journal of Clinical Ultrasound (JCU)

John Wiley & Sons, Inc.
605 Third Avenue
New York, NY 10158

**Journal of Computer Assisted
Tomography (JCAT)**

Raven Press, Publishers
1140 Avenue of the Americas
New York, NY 10036

**Journal of Neuroradiology
(J Neuroradiol)**

Masson
120 Boulevard Saint-Germain
75280 Paris Cedex 06
France

**Journal of Nuclear Medicine
(J Nucl Med)**

The Society of Nuclear Medicine
136 Madison Avenue
New York, NY 10016

**Journal of Thoracic Imaging
(J Thorac Imag)**

Aspen Publishers, Inc.
7201 McKinney Circle
Frederick, MD 21701

**Journal of Ultrasound in Medicine
(J Ultrasound Med)**

W. B. Saunders Co.
West Washington Square
Philadelphia, PA 19105

**Magnetic Resonance Imaging
(Magn Res Imag)**

Pergamon Journals, Inc.
Fairview Park
Elmsford, NY 10523

**Magnetic Resonance in Medicine
(Magn Res Med)**

Academic Press, Inc.
1 East First Street
Duluth, MN 55802

Neuroradiology (Neuroradiol)

Springer-Verlag
Postfach 105280
D-6900 Heidelberg 1
Federal Republic of Germany

Pediatric Radiology (Pediater Radiol)

Springer-Verlag
Postfach 105280
D-6900 Heidelberg 1
Federal Republic of Germany

RadioGraphics (RadioGraphics)

The Radiological Society of North
America, Inc.
20th & Northampton Sts.
Easton, PA 18042

**The Radiologic Clinics of North
America (Radiol Clin North Am)**

W. B. Saunders Co.
West Washington Square
Philadelphia, PA 19105

Radiology (Radiology)

The Radiological Society of North
America, Inc.
20th & Northampton Sts.
Easton, PA 18042

**Seminars in Nuclear Medicine
(Semin Nucl Med)**

Grune & Stratton, Inc.
Journal Customer Service
P.O. Box 6280
Duluth, MN 55806-0280

**Seminars in Roentgenology
(Semin Roentgenol)**

Grune & Stratton, Inc.
Journal Customer Service
P.O. Box 6280
Duluth, MN 55806-0280

**Seminars in Ultrasound, CT and MR
(Semin US CT MR)**

Grune & Stratton, Inc.
Journal Customer Service
P.O. Box 6280
Duluth, MN 55806-0280

Skeletal Radiology (Skeletal Radiol)

Springer-Verlag
Postfach 105280
D-6900 Heidelberg 1
Federal Republic of Germany

**Ultrasound in Medicine and Biology
(Ultrasound Med Biol)**

Pergamon Journals, Inc.
Fairview Park
Elmsford, NY 10523

Urologic Radiology (Urol Radiol)

Springer-Verlag New York, Inc.
175 Fifth Avenue
New York, NY 10010

1. The first part of the report
deals with the general situation
of the country and the
state of the economy.

2. The second part of the report
deals with the results of the
survey and the conclusions
drawn from it.

3. The third part of the report
deals with the recommendations
made by the committee and
the measures proposed to be
taken.

4. The fourth part of the report
deals with the summary of the
findings and the conclusions
drawn from them.

5. The fifth part of the report
deals with the appendixes and
the references.

6. The sixth part of the report
deals with the index and the
list of the members of the
committee.

7. The seventh part of the report
deals with the conclusions and
the recommendations.

8. The eighth part of the report
deals with the summary of the
findings and the conclusions
drawn from them.

9. The ninth part of the report
deals with the appendixes and
the references.

10. The tenth part of the report
deals with the index and the
list of the members of the
committee.

11. The eleventh part of the report
deals with the conclusions and
the recommendations.

12. The twelfth part of the report
deals with the summary of the
findings and the conclusions
drawn from them.

13. The thirteenth part of the report
deals with the appendixes and
the references.

14. The fourteenth part of the report
deals with the index and the
list of the members of the
committee.

15. The fifteenth part of the report
deals with the conclusions and
the recommendations.

16. The sixteenth part of the report
deals with the summary of the
findings and the conclusions
drawn from them.

17. The seventeenth part of the report
deals with the appendixes and
the references.

18. The eighteenth part of the report
deals with the index and the
list of the members of the
committee.

CUMULATIVE AUTHOR INDEX

A

- Aabo K; Walbom-Jorgensen S:** central nervous system complications by malignant lymphomas: radiation schedule and treatment results, *Int J Radiat Oncol Biol Phys* 1986; 12: 197
- Aakhus T See Bakke S**
- Aaron BL See Mahfood S**
- Aasen TB See Pedersen OM**
- Aaslid R; Huber P; Nornes H:** transcranial Doppler method in the evaluation of cerebrovascular spasm, *Neuroradiol* 1986; 28: 11
- Abayomi OK:** case report: high dose irradiation for recurrent carcinoma of the cervix following radical hysterectomy, *Clin Radiol* 1987; 38: 439
- Abayomi OK; Sadeghi-Nejad A:** incidence of late endocrine dysfunction following irradiation for childhood medulloblastoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 945
- Abbas S See Reed LD**
- Abbatucci JS; Boulier N; de Ranieri J; et al:** local control and survival in soft tissue sarcomas of the limbs, trunk walls and head and neck: study of 113 cases, *Int J Radiat Oncol Biol Phys* 1986; 12: 579
- Abben RP See Ganz P**
- Abbitt PL See Pilling MR**
- Abbitt PL; Dowd CF:** young boy with abdominal wall abnormality, *Invest Radiol* 1987; 22: 836
- Abbitt PL; Riddervold HO:** carpal tunnel view: helpful adjunct for unrecognized fractures of the carpus, *Skeletal Radiol* 1987; 16: 45
- Abbitt PL; Templeton FA:** breast mass in a farm woman, *Invest Radiol* 1988; 23: 144
- Abbitt PL; Zerlin JM:** nonproductive cough and lung mass, *Invest Radiol* 1988; 23: 397
- Abbott GD See Whyte KM**
- Abdoud RT See Staples CA**
- Abdoud RT See Zwirerich CV**
- Abd-Allah MA See Windham JP**
- Abdel-Dayem HM See Abu-Nema T**
- Abdel-Dayem HM See Bahar RH**
- Abdel-Dayem HM See El-Gazzar AH**
- Abdel-Dayem HM See Khammash NF**
- Abdel-Dayem HM:** changes in cerebral perfusion after acute head injury: reply, *Radiology* 1988; 167: 582
- Abdel-Dayem HM; Bardowala YM; Papademitrio T; et al:** loose hip prosthesis: appearance in radionuclide arthrography, *Clin Nucl Med* 1986; 11: 713
- Abdel-Dayem HM; Mahajan KK; Ericsson S; et al:** evaluation of technetium-99m DTPA for localization of site of acute upper gastrointestinal bleeding, *Clin Nucl Med* 1986; 11: 788
- Abdel-Dayem HM; Mohammad MM; Khan N; et al:** radionuclide findings in arteriovenous fistula between left pulmonary artery and vein, *Clin Nucl Med* 1986; 11: 865
- Abdel-Dayem HM; Nawaz MK; Suhaili AR; et al:** uremic pleural effusion detected on radionuclide renogram, *Clin Nucl Med* 1986; 11: 196
- Abdel-Dayem HM; Sadek SA; El Sayed M; et al:** technetium-99m HM-PAO images (planar and SPECT) of the human brain, *Clin Nucl Med* 1988; 13: 139
- Abdel-Dayem HM; Sadek SA; Kouris K; Bahar RH; Higazi I; Eriksson S; Engleson SH; Bernthman L; Sigurdsson GH; Foad M; Ollivier M:** changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HM-PAO SPECT, *Radiology* 1987; 163: 221
- Abdel-Hafiz AA; Birkett DH; Ahmed MS:** congenital duodenal diverticula: a report of three cases and a review of the literature, (ab), *Radiology* 1988; 169: 880
- Abdel-Nabi HH; Schwartz AN; Goldfogel G; Ortman-Nabi JA; Matsueka DM; Unger MW; Wechter DG:** colorectal tumors: scintigraphy with In-111 anti-CEA monoclonal antibody and correlation with surgical, histopathologic, and immunohistochemical findings, *Radiology* 1988; 166: 747
- Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW:** colorectal carcinoma: detection with indium-111 antineoplastic antigen monoclonal antibody ZCE-025, *Radiology* 1987; 164: 617
- Abdelwahab IF See Hamburg C**
- Abdelwahab IF See Norman A**
- Abdelwahab IF See Zwass A**
- Abdelwahab IF; Frankel VH; Klein MJ:** case report 351, *Skeletal Radiol* 1986; 15: 164
- Abdelwahab IF; Gould ES:** role of diskography after negative postmyelography CT scans: retrospective review, *AJNR* 1988; 9: 187
- Abdelwahab IF; Lewis MM; Klein MJ:** case report 441, *Skeletal Radiol* 1987; 16: 573
- Abdelwahab IF; Norman A:** osteosclerotic sarcoidosis, *AJR* 1988; 150: 161
- Abdelwahab IF; O'Leary PF; Steiner GC; et al:** case report 357, *Skeletal Radiol* 1986; 15: 242
- Abdelwahab IF; Present DA; Gould ES; et al:** case report 473, *Skeletal Radiol* 1988; 17: 199
- Abdelwahab IF; Present DA; Klein MJ:** case report 390, *Skeletal Radiol* 1986; 15: 652
- Abdelwahab IF; Present DA; Zwass A; et al:** tumorlike tuberculous granulomas of bone, *AJR* 1987; 149: 1207
- Abdenabi B See Draouat S**
- Abdenour GE Jr See Bradford BF**
- Abdi EA; Nguyen G-K; Ludwig RN; et al:** pulmonary sarcoidosis following interferon therapy for advanced renal cell carcinoma, (ab), *Radiology* 1987; 165: 295
- Abdullah AK See Naim-Ur-Rahman**
- Abdullah D See Nuruddin RN**
- Abe H See Inoue M**
- Abe H See Iwasaki Y**
- Abe M See Hiraoka M**
- Abe M See Onodera H**
- Abe M See Shibamoto Y**
- Abe M; Amano K; Kitamura K; et al:** boron distribution analysis by alpha-autoradiography, *J Nucl Med* 1986; 27: 677
- Abed MY See Madkour MM**
- Abejo R See Petty W**
- Abela GS See Crea F**
- Abel V See Fossa SD**
- Abellera RM See Caplan RH**
- Abello R See Lomena F**
- Abell R; Rovira M; Sanz MP; et al:** MRI and CT of ankylosing spondylitis with vertebral scalloping, *Neuroradiol* 1988; 30: 272
- Abeln EL; Paushter DM; Mehta A:** computed tomography of renal lymphomatoid granulomatosis, *JCAT* 1988; 12: 671
- Abemayor E See Teresi LM**
- Abendschein DR See Rosamond TL**
- Aber V See McKinstry CS**
- Aberle AM See Aberle DR**
- Aberle DR See Lynch DA**
- Aberle DR See Stein MG**
- Aberle DR; Gamsu G; Golden JA:** fatal systemic arterial air embolism following lung needle aspiration, *Radiology* 1987; 163: 351
- Aberle DR; Gamsu G; Ray CS; Feuerstein IM:** asbestos-related pleural and parenchymal fibrosis: detection with high-resolution CT, *Radiology* 1988; 166: 729
- Aberle DR; Milos MJ; Aberle AM; et al:** case report 407, *Skeletal Radiol* 1987; 16: 70
- Aberle DR; Wiener-Kronish JP; Webb WR; Matthay MA:** hydrostatic versus increased permeability pulmonary edema: diagnosis based on radiographic criteria in critically ill patients, *Radiology* 1988; 168: 73
- Abernathy D; Beltran G; Stuckey WJ:** lung cancer following treatment for lymphoma, (ab), *Radiology* 1987; 162: 585
- Abghari R See Bartold KP**
- Abghari R See Borin BF**
- Abghari R See Eggleston DE**
- Abghari R See Fancher M**
- Abghari R See Helmer S**
- Abiri MM; Kirpekar M:** unusual anatomic location of pancreatic masses, *J Ultrasound Med* 1986; 5: 703
- Abiri MM; Kirpekar M; Ablow RC:** osteomyelitis: detection with US: work in progress, *Radiology* 1988; 169: 795
- Abia A See Wilberger JE Jr**
- Abia AA; Rothfus WE; Maroon JC; et al:** delayed spinal subarachnoid hematoma: rare complication of C1-C2 cervical myelography, *AJNR* 1986; 7: 526
- Ablesmayor E See Newmark H III**
- Ahlin AR See Moore SG**
- Ablow RC See Abiri MM**
- Ablow RC See Heullitt MJ**
- Ablow RC See Kageura NJ**
- Aboself S See Vigneron DB**
- Abou-Khalil BW See Latack JT**
- Abrahams C See Kenney KR**
- Abrahams JJ; Wood GW; Eames FA; et al:** CT-guided needle aspiration biopsy of an intraspinal synovial cyst (ganglion): case report and review of the literature, *AJNR* 1988; 9: 398
- Abrahams TG See Goldman AB**
- Abrahams TG; Hull M:** case report 394, *Skeletal Radiol* 1986; 15: 578
- Abrahams TG; Pavlov H; Ramsal M; et al:** concentric joint space narrowing of the hip associated with hemodialysis synovitis (HS) including pigmented villonodular synovitis (PVNS), *Skeletal Radiol* 1988; 17: 37
- Abramowitz J See Jaffe R**
- Abramowitz JG See Ledor K**
- Abramowsky C See Nguyen T**
- Abramowsky CR See Fletcher BD**
- Abrams C See Gordon FR**
- Abrams DI See Nyberg DA**
- Abrams DN; Lee YW; Mercer JR; et al:** tumor uptake of radiolabelled pyrimidine bases and pyrimidine nucleosides in animal models IX: radiolabelled 1-(2'-fluoro-2'-deoxy- β -D-ribofuranosyl)uracil and 1-(2'-chloro-2'-deoxy- β -D-ribofuranosyl)uracil, *Br J Radiol* 1986; 59: 263
- Abrams DN; Man SFF; Noujaim AA:** evaluation of the lung uptake of iodine-131 HIPDM by the single-pass multiple indicator dilution technique in a rabbit model, *J Nucl Med* 1987; 28: 487
- Abrams G See Moser FG**
- Abrams HL; Hessel S:** health technology assessment: problems and challenges, *AJR* 1987; 149: 1127
- Abrams ME; Davies ER; Ennis WP; et al:** radiography of injured arms and legs in eight accident and emergency units in England and Wales, (ab), *Radiology* 1986; 159: 572

Abrams

- Abrams PG See Carrasquillo JA
- Abrams RA; King D; Wilson JF: objective response of malignant carcinoma to radiation therapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 869
- Abramson A See See G
- Abramson CL See Karnaze MG
- Abramson D See McCormick B
- Abramson I See Ryan KP
- Abramson S See Amodio J
- Abramson S See Singson RD
- Abramson SJ See Amodio JB
- Abramson SJ See Feldman F
- Abramson SJ; Baker DH; Amodio JB; et al: gastrointestinal manifestations of cystic fibrosis. *Semin Roentgenol* 1987; 22: 97
- Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J: biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations. *Radiology* 1987; 163: 377
- Abramson SJ; Berdon WE; Reilly BJ; et al: cavitation of anterior mediastinal masses in children with histiocytosis-X: report of four cases with radiographic, pathologic findings and clinical follow up. *Pediatr Radiol* 1987; 17: 10
- Abrashkin S See Azoury R
- Abrashkin S See Iaina A
- Abrath FG; Henderson SD; Simpson JR; et al: dosimetry of CT-guided volumetric IR-192 brain implant. *Int J Radiat Oncol Biol Phys* 1986; 12: 359
- Abratt RP; Barnes DR; Pontin AR; et al: radical radiation and oral and intra-venous misondazole for bladder cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 1053
- Abreu SH See Van Nostrand D
- Abey M; Metreweli C; Matthews C; et al: changes in transplanted kidney volume measured by ultrasound. *Br J Radiol* 1987; 60: 525
- Abu-Nema T; Al-Suhaili A; Abdel-Dayem HM: hepatobiliary imaging after Whipple's operation. *Clin Nucl Med* 1986; 11: 572
- Abu-Nema T; Nawaz K; Sadek S; Ayyash K; Tibblin S; Al-Mohannadi S; Abdel-Dayem HM: splenic implants: evaluation with radionuclide methods. *Radiology* 1987; 163: 641
- Aburano T See Taki J
- Aburano T; Taniguchi M; Hisada K; et al: bile ascites from a ruptured choledochal cyst detected by hepatobiliary imaging. *Clin Nucl Med* 1988; 13: 366
- Aburano T; Taniguchi M; Hisada K; et al: discordant hepatic uptake of Tc-99m HIDA and Tc-99m colloid in a patient with segmental biliary obstruction. *Clin Nucl Med* 1988; 13: 599
- Abu-Yousef M See Stanford W
- Abu-Yousef MM See Federaro AE
- Abu-Yousef MM See Yuh WTC
- Abu-Yousef MM: ultrasound of bladder tumors. *Semin US CT MR* 1986; 7: 275
- Abu-Yousef MM; Bleicher JJ; Maher JW; et al: high-resolution sonography of acute appendicitis. *AJR* 1987; 149: 53
- Abu-Yousef MM; Bleicher JJ; Williamson RA; et al: subchorionic hemorrhage: sonographic diagnosis and clinical significance. *AJR* 1987; 149: 737
- Abu-Yousef MM; Wiese JA; Shamma AR: "to-and-fro" sign: duplex Doppler evidence of femoral artery pseudoaneurysm. *AJR* 1988; 150: 632
- Abu-Yousef MM; Wray AB; Williamson RA; et al: antenatal ultrasound diagnosis of variant of pentology of Cantrell. *J Ultrasound Med* 1987; 6: 535
- Acher CA See Cullenward MJ
- Acheson MB; Livingston RR; Richardson ML; et al: high-resolution CT scanning in the evaluation of cervical spine fractures: comparison with plain film examinations. *AJR* 1987; 148: 1179
- Achille E See Pourquier H
- Achram M See Khayat G
- Achten E See Thomsen C
- Acio ER; Balasubramanian N; Vieras F; et al: gallium-67 localization in herpetic skin lesion. *Clin Nucl Med* 1988; 13: 667
- Acker B See Chaplin DJ
- Acker JD See Clark WC
- Acker JD; Cole CA; Mauney KA; et al: duplex carotid ultrasound. *Neuroradiol* 1986; 28: 608
- Acker R; Leonard JC: esthesioneuroblastoma imaged with bone scintigraphy. *Clin Nucl Med* 1986; 11: 670
- Ackerman ES; Tumeh SS; Charron M; et al: viral encephalitis: imaging with SPECT. *Clin Nucl Med* 1988; 13: 640
- Ackerman JH See Ewy CS
- Ackerman JL See Thomas SR
- Ackerman JL See Weden VJ
- Ackerman L See Sparganas M
- Ackerman L: toward automated image analysis: future possibilities in historical perspective. *Radiol Clin North Am* 1986; 24: 79
- Ackerman L; Elam E; Bushnell D; et al: bowel visualization in bone scintigraphy. *Semin Nucl Med* 1987; 17: 81
- Ackerman L; Ramamurthy S; Jablonski V; et al: case report 488. *Skeletal Radiol* 1988; 17: 310
- Ackerman L; Romyn A; Khedkar N; et al: malignant fibrous histiocytoma metastatic to the thyroid gland. *Clin Nucl Med* 1987; 12: 648
- Ackerman LV See Feczko PJ
- Ackerman LV See Kastan DJ
- Ackerman LV See Mitchell ML
- Ackerman LV See Sickles EA
- Ackerman LV See Watt AC
- Ackerman N See Petersson JH
- Ackerman N See Yancey JM
- Acosta GF See Tropp JS
- Adachi H See Nakano Y
- Adachi H; Sugihara H; Nakagawa H; et al: arrhythmic ventricular dysplasia: delineation of myopathic site by intracoronary thallium-201. *Clin Nucl Med* 1986; 11: 763
- Adachi S See Kameda K
- Adair ER; Berglund LG: on the thermoregulatory consequences of NMR imaging. *Magn Res Imag* 1986; 4: 321
- Adalsteinsson B; Pahlman L; Hemmingsson A; et al: computed tomography in early diagnosis of local recurrence of rectal carcinoma. *Acta Radiol* 1987; 28: 41
- Adam A See Allison DJ
- Adam A See Weinbren K
- Adam A See Yeung EYC
- Adam A: use of the modified Cope introduction set for transhepatic removal of obstructed Carey-Coons biliary endoprosthesis. *Clin Radiol* 1987; 38: 171
- Adam A; Gibson RN; Soriede O; et al: radiology of fibrolamellar hepatoma. *Clin Radiol* 1986; 37: 355
- Adam A; Yeung E; McCarthy P; et al: bypass of obstructing bile duct calculus by an endoprosthesis inserted via a T-tube track. *Cardiovasc Intervent Radiol* 1988; 11: 170
- Adam EJ See Creagh-Barry M
- Adam EJ See Tilley EA
- Adam JL See Shuman WP
- Adam MJ; Grierson JR; Ruth TJ; et al: routine synthesis of carbon-11-carboxyl-labeled L-dopa. *J Nucl Med* 1987; 28: 1599
- Adam MJ; Ruth TJ; Grierson JR; et al: routine synthesis of L-[¹⁸F]-fluorodopa with fluorine-18 acetyl hypofluoride. *J Nucl Med* 1986; 27: 1462
- Adam R; Hendry GMA; Moss J; et al: arthrosonography of the irritable hip in childhood: review of 1 year's experience. *Br J Radiol* 1986; 59: 205
- Adam WE: general comparison of functional imaging in nuclear medicine with other modalities. *Semin Nucl Med* 1987; 17: 3
- Adam WR; Craik DJ; Hall JG; et al: problems in the assessment of magnesium depletion in the rat by *in vivo* ³¹P NMR. *Magn Res Med* 1988; 7: 300
- Adamczak SM See Droegte RT
- Adams APS See Fazzalari NL
- Adams DF See Cheng KT
- Adams DF See Jolesz FA
- Adams DF See Polak JF
- Adams DF: biologic effects and potential hazards of nuclear magnetic imaging. *Cardiovasc Intervent Radiol* 1986; 8: 260
- Adams DF: introduction: of men and magnets. *Cardiovasc Intervent Radiol* 1986; 8: 223
- Adams GE See Walling JH
- Adams GE; Barnes DW; du Boulay C; et al: induction of hypoxia in normal and malignant tissues by changing the oxygen affinity of hemoglobin—implications for therapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1299
- Adams H; Jones A; Hayward C: sonographic features and implications of fetal pleural effusions. *Clin Radiol* 1988; 39: 398
- Adams HP Jr See Biller J
- Adams HP Jr See Toffol GJ
- Adams HP Jr; Butler MJ; Biller J; et al: nonhemorrhagic cerebral infarction in young adults. (ab). *Radiology* 1987; 162: 295
- Adams HP Jr; Kassell NF; Torner JC: usefulness of computed tomography in predicting outcome after aneurysmal subarachnoid hemorrhage: a preliminary report of the cooperative aneurysm study. (ab). *Radiology* 1986; 160: 286
- Adams JC See Fawcett HD
- Adams JE See Gillespie JE
- Adams MB See Collier BD
- Adams MB See Franson TR
- Adams MB See Larson PA
- Adams ME See Li DKB
- Adams PE See White RI Jr
- Adams RJ See El Gamal T
- Adams VI See Kleinman PK
- Adams VI; Unni K; Muhm JR; et al: diffuse malignant mesothelioma of pleura: diagnosis and survival in 92 cases. (ab). *Radiology* 1987; 163: 837
- Adamson D See Rahatzaad MT
- Adape MH; Powell OM; Isaacs GH; et al: hematogenous pyogenic vertebral osteomyelitis: diagnostic value of radionuclide bone imaging. *J Nucl Med* 1986; 27: 1680
- Adullah AK See Johari JA
- Adcock KA See Geis JR
- Adcock KA See Goff JS
- Adcock KA; Friefeld GD; Waldron JA Jr: SPECT gallium imaging in abdominal lymphoma. *Clin Nucl Med* 1986; 11: 346
- Addison J See Seaton A
- Addlestone RB; Roach AC: pharmacologic treatment of contrast media reactions. *Radiology* 1987; 165: 876
- Adelman LS See Runge VM
- Adelman M See Haponik EF
- Adelson MD; Wharton JT; Delclos L; et al: palliative radiotherapy for ovarian cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 17
- Adelstein DJ See Winkelman MD
- Adelstein SJ: preparing a grant proposal. *Invest Radiol* 1987; 22: 250
- Adema BH See Schaake-Koning C
- Aderka D; Tene M; Graff E; et al: amylase-creatinine clearance ratio: a simple test to predict gentamicin nephrotoxicity. (ab). *Radiology* 1988; 169: 288
- Adey CK: acute coronary intervention. *Radiology* 1988; 169: 116
- Adey CK; Nath PH; Soto B; Shin MS; Schwartz M; Epstein AE; Kirklin JK: heterotopic heart transplantation: radiographic review. *Radiographics* 1987; 7: 151
- Adey CK; Soto B; Shin MS: congenital pulmonary vein stenosis: radiographic study. *Radiology* 1986; 161: 113
- Adis B See von Gontard A
- Adler CP See Reinbold W-D
- Adler C-P: spondylitis-spondylodiscitis. pathological-anatomical morphology and diagnostic problems. (ab). *Radiology* 1986; 158: 570
- Adler DD See Andersson I
- Adler DD See Stuck KJ
- Adler DD; Glazer GM; Aisen AM: MRI of the spleen: normal appearance and findings in sickle-cell anemia. *AJR* 1986; 147: 843
- Adler DD; Rehner M; Pennes DR: accessory breast tissue in the axilla: mammographic appearance. *Radiology* 1987; 163: 709
- Adler GF See Lawson AP
- Adler J; Cameron DC: CT correlation in peripheral right upper lobe collapse. *JCAT* 1988; 12: 510
- Adler LP See Maurer AH
- Adler LP See Peyser RG
- Adler LP See Schwab FJ
- Adler LP See Siegel JA
- Adler O; Peleg H: computed tomography in diagnosis of broncholithiasis. *Eur J Radiol* 1987; 7: 211
- Adler OB See Engel A
- Adler OB; Engel A: CT guided transluminal fine needle aspiration biopsy. *Eur J Radiol* 1987; 7: 101
- Adler OB; Rosenberger A: blast injuries. *Acta Radiol* 1988; 29: 1
- Adler RS See Koral KF
- Adler RS; Bowerman RA; Rubin JM: circumference measurements in obstetrical ultrasound: ellipse vs. arithmetic mean. *JCU* 1988; 16: 361
- Adler SJ; Vannier MW; Gilula LA; et al: three-dimensional computed tomography of the foot: optimizing the image. *Comput Med Imag Graph* 1988; 12: 59
- Adler YT See Turner DA
- Adler YT; Draths KG; Markey WS: pseudoobstruction in the geriatric population. *Radiographics* 1986; 6: 995
- Adolph JMG; Kimmig BN; Georgi F; Winkel Kz: carcinoid tumors: CT and I-131 meta-iodobenzylguanidine scintigraphy. *Radiology* 1987; 164: 199
- Ador-Dionisio J See Greyson ND
- Adson MA See May GR
- Adzick NS See Fine C
- Aeppli DM See Lee CKK
- Aeppli DM See Levitt SH
- Affifi AK See Jacoby CG
- Afschrift M; Cuvelier C; Ringoir S; et al: influence of pathological state on the acoustic attenuation coefficient slope of liver. *Ultrasound Med Biol* 1987; 13: 135
- Afshani E See Montgomery P
- Afshar F See Mantell BS
- Afzal M See Puvaneswary M
- Agamanolis DP; Dasu S; Krill CE Jr: tumors of skeletal muscle. (ab). *Radiology* 1987; 162: 589
- Agard ET: given dose. *Radiology* 1988; 169: 581
- Agarwal JB See Klein LW
- Agatiello LM See Sterbini GLP
- Agatston AS See Reinfeld HB
- Aggarwal S; Berry M: duodenal fistula: complication of a pseudoaneurysm of the common hepatic artery. *Gastrointest Radiol* 1988; 13: 230

- Agha FP See Francis IR
- Agha FP: duplex ventral pancreas. *Gastrointest Radiol* 1987; 12: 23
- Agha FP: intussusception in adults. *AJR* 1986; 146: 527
- Agha FP: radiologic diagnosis of Barrett's esophagus: critical analysis of 65 cases. *Gastrointest Radiol* 1986; 11: 123
- Agha FP: secondary neoplasms of the esophagus. *Gastrointest Radiol* 1987; 12: 187
- Agha FP: transmesocolic herniation of small bowel following colonic interposition. (ab). *Radiology* 1986; 158: 858
- Agha FP; Ghahremani GG; Panella JS; et al: appendicitis as the initial manifestation of Crohn's disease: radiologic features and prognosis. *AJR* 1987; 149: 515
- Agha FP; Ghahremani GG; Tsang T-K; et al: heterotopic gastric mucosa in the jejunum: radiographic findings. *AJR* 1988; 150: 291
- Agha FP; Lee HH: esophagus after endoscopic pneumatic balloon dilatation for achalasia. *AJR* 1986; 146: 25
- Agha FP; Wilson JAF; Nostrand TT: medication-induced esophagitis. *Gastrointest Radiol* 1986; 11: 7
- Aghal E See Lanir A
- Aghamohammadi SZ See Henderson LM
- Aghar E See Gjrup T
- Agnew JE; Sutton PF; Pavia D; et al: radioaerosol assessment of mucociliary clearance: towards definition of a normal range. *Br J Radiol* 1986; 59: 147
- Agnholt J See Nielsen S
- Ago CT See Ashby MA
- Agren A-K See Brahma A
- Aherne T See Garrett JS
- Aherne T; Techakoff D; Finkbeiner W; et al: magnetic resonance imaging of cardiac transplants: the evaluation of rejection of cardiac allografts with and without immunosuppression. (ab). *Radiology* 1987; 162: 588
- Ahier RG See Coultas PG
- Ahlberg J See Jonson R
- Ahlgren P See Minken TJ
- Ahlström H; Carlsson L; Hedin A; et al: enhanced uptake of intra-arterially injected anti-CEA monoclonal antibodies in human colonic cancer after mannitol infusion in an experimental model. *Acta Oncol* 1987; 26: 453
- Ahlström H; Carlsson L; Hedin A; et al: experimental model for pharmacokinetic studies of monoclonal antibodies in human colonic cancer. *Acta Oncol* 1987; 26: 447
- Ahmad K; Kim YH; Fayos JV: head and neck cancer. reliability of American Joint Committee's staging system as prognostic indicator. *Acta Oncol* 1987; 26: 173
- Ahmad M; Johnson RF Jr; Fawcett HD; et al: magnetic resonance imaging in patients with unstable angina: comparison with acute myocardial infarction and normals. *Magn Res Imag* 1988; 6: 527
- Ahmad S; Campeau RJ
- Ahmad J See North CM
- Ahmad J See Zee C-S
- Ahmad R See Koppensteiner R
- Ahmadu-Suka F; Gillette EL; Withrow SJ; et al: pathologic response of the pancreas and duodenum to experimental intraoperative irradiation. *Int J Radiat Oncol Biol Phys* 1988; 14: 1197
- Ahmed A See Bhushan B
- Ahmed A See Bhushan B
- Ahmed A See Griffiths H
- Ahmed F See Seabold JE
- Ahmed I See Deacon JM
- Ahmed I; Jenkins TC; Walling JM; et al: analogues of RSU-1069: radiosensitization and toxicity *in vitro* and *in vivo*. *Int J Radiat Oncol Biol Phys* 1986; 12: 1079
- Ahmed MJ; Omar YT; Ali SM: soft tissue sarcoma in Kuwait: review of 114 patients. *Clin Radiol* 1987; 38: 27
- Ahmed MS See Abdel-Hafiz AA
- Ahn C-S; Tow DE: cold technetium-99m HDP and hot gallium-67 images of metastatic adenocarcinoma of bone. *Clin Nucl Med* 1988; 13: 371
- Ahn SS; Auth D; Marcus DR; et al: removal of focal arteromatous lesions by angiographically guided high-speed rotary atherectomy: preliminary experimental observations. (ab). *Radiology* 1988; 168: 589
- Ahnesjo A; Andreo P; Brahma A: calculation and application of point spread functions for treatment planning with high energy photon beams. *Acta Oncol* 1987; 26: 49
- Aho HJ See Paajanen H
- Ahonen A See Joensuu H
- Ahonen A See Minn H
- Ahovuo J; Linden H; Hovi I; et al: arthrography of the biceps tendon. *Eur J Radiol* 1988; 8: 196
- Alache J-M See Maublant JC
- Aichner F See Willeit J
- Aida N See Tanohata K
- Aihara T See Furuse M
- Aihara T; Fujioka M; Yamamoto K: increased CT density of the liver due to cis-diaminedichloro platinum (II). *Pediatr Radiol* 1987; 17: 75
- Aikawa H See Matsunaga N
- Aiken CG See Kenney JJ
- Aillon DC See Cuttill AG
- Aimi K See Mafee MF
- Ainslie J See Pacella J
- Aird EG See Dawes FJDK
- Aisen A See McCune WJ
- Aisen AM See Adler DD
- Aisen AM See Bank ER
- Aisen AM See Borello JA
- Aisen AM See Buckwalter KA
- Aisen AM See Glazer GM
- Aisen AM See Hershman DO
- Aisen AM See Hoff JL
- Aisen AM See Lande IM
- Aisen AM See Latack JT
- Aisen AM See Li KC
- Aisen AM See Rubin JM
- Aisen AM See Shreve F
- Aisen AM; Glazer GM; Carson PL; et al: motion artifacts in quantitative magnetic resonance imaging. *Magn Res Imag* 1986; 4: 207
- Aisen AM; Martel W; Braunstein EM; et al: MRI and CT evaluation of primary bone and soft-tissue tumors. *AJR* 1986; 146: 749
- Aisen AM; Martel W; Ellis JH; McCune WJ: cervical spine involvement in rheumatoid arthritis: MR imaging. *Radiology* 1987; 165: 159
- Aisner J See Mirvis SE
- Aisner SC See Young JWR
- Aitken AGF; Godden DJ: real-time ultrasound diagnosis of deep vein thrombosis: comparison with venography. *Clin Radiol* 1987; 38: 309
- Aitken D See Archambeau JO
- Ajani J See Carrasco CH
- Ajilamkorn S; Bharnaprasavati Y; Israngura N: ultrasound appearance of fallopian tube carcinoma. *JCU* 1988; 16: 516
- Ajzen SA; Gibney RC; Cooperberg FL; Scudamore CH; Miller RR: enterovenous fistula: unusual complication of Crohn disease. *Radiology* 1988; 166: 745
- Akagawa S See Kurakawa Y
- Akagi K See Sougawa M
- Akamaguna AI See Odita JC
- Akamaguna AI; Odita JC: width of the presacral space in Nigerian adults. *Gastrointest Radiol* 1986; 11: 370
- Akamaguna AI; Odita JC; Ugboaga CI; et al: bone and soft tissue components of the leg in infants with protein caloric malnutrition. *Pediatr Radiol* 1986; 16: 40
- Akamaguna AI; Odita JC; Ugboaga CI; et al: tibial and fibular angles in homozygous sickle cell disease. *Eur J Radiol* 1986; 6: 97
- Akamatsu N See Yuhara A
- Akashi H See Nakamura H
- Akerman M See Suster B
- Akeson WH See Sartoris DJ
- Akesson A; Forsberg L; Hedenstrom E; et al: ultrasound examination of skin thickness in patients with progressive systemic sclerosis (scleroderma). *Acta Radiol* 1986; 27: 91
- Akhtar M See Cumming WA
- Akhtar R See Kruback AJ
- Akiguchi I See Nabatame H
- Akine Y See Egawa S
- Akine Y See Tsukiyama I
- Akine Y; Arimoto H; Ogino T; et al: high-dose-rate intracavitary irradiation in the treatment of carcinoma of the uterine cervix: early experience with 84 patients. *Int J Radiat Oncol Biol Phys* 1988; 14: 893
- Akine Y; Hashida I; Kajura Y; et al: carcinoma of the uterine cervix treated with external irradiation alone. *Int J Radiat Oncol Biol Phys* 1986; 12: 1611
- Akins EW; Fitzsimmons JR; Mancuso AA; et al: double loop receiver coil for MR imaging at 0.15 T. *JCAT* 1986; 10: 1083
- Akins EW; Hill JA; Carmichael MJ: MR imaging of blood pool signal variation with cardiac phase in aortic dissection. *JCAT* 1987; 11: 543
- Akins EW; Hill JA; Sievers KW; et al: assessment of left ventricular wall thickness in healed myocardial infarction by magnetic resonance imaging. (ab). *Radiology* 1987; 164: 884
- Akins EW; Limacher M; Slone RM; et al: evaluation of an aortic annular pseudoaneurysm by MRI: comparison with echocardiography, angiography and surgery. *Cardiovasc Intervent Radiol* 1987; 10: 188
- Akira M See Ikezoe J
- Akira M; Kitatani F; Yong-Sik L; Kita N; Yamamoto S; Higashihara T; Morimoto S; Ikezoe J; Kozuka T: diffuse panbronchiolitis: evaluation with high-resolution CT. *Radiology* 1988; 168: 433
- Akisada M See Kuno S-y
- Akiya F See Taylor A Jr
- Akutsu K See Hiraoka M
- Akutsu K; Hiraoka M; Jo S: regional hyperthermia combined with blockade of the hepatic arterial blood flow by degradable starch microspheres in pigs. *Int J Radiat Oncol Biol Phys* 1987; 13: 239
- Akwari OE See Gluck WL
- Ala-Kulju KV See Salo JA
- Alam M; Khaja F; Brymer J; et al: echocardiographic evaluation of left ventricular function during coronary artery angioplasty. (ab). *Radiology* 1986; 161: 285
- Alanen A See Lehto M
- Alanen A; Nummi P; Kormanen M; et al: proton T1 relaxation time of normal and abnormal urine. *Acta Radiol* 1987; 28: 601
- Alanen A; Nurmi M; Ekfors T: multilocular renal lesions—a diagnostic challenge. *Clin Radiol* 1987; 38: 475
- Alanko A See Kaprio J
- Alanko K See Vorne M
- Al-Ansari HM See Walden TL
- Alario AJ; McCarthy PJ; Markowitz R; et al: usefulness of chest radiographs in children with acute lower respiratory tract disease. (ab). *Radiology* 1988; 167: 591
- Al-Akai AK See Patel PJ
- Alavi A See Chawluk JB
- Alavi A See D'Alonzo WA Jr
- Alavi A See Eisenberg B
- Alavi A See Fazeas F
- Alavi A See Feldman N
- Alavi A See Gefter WB
- Alavi A See Jamieson D
- Alavi A See Kuhl DE
- Alavi A See Kushner M
- Alavi A See McCarthy KE
- Alavi A See Mitchell DG
- Alavi A See Munz DL
- Alavi A See Powe JE
- Alavi A See Robinson GD Jr
- Alavi A See Sandler MS
- Alavi A See Wortman JA
- Alavi A; Dann R; Chawluk J; et al: positron emission tomography imaging of regional cerebral glucose metabolism. *Semin Nucl Med* 1986; 16: 2
- Alavi A; Heyman S; Kim HC: scintigraphic examination of bone and marrow infarcts in sickle cell disorders. *Semin Roentgenol* 1987; 22: 213
- Alazraki N See Scott SM
- Alazraki NF See Fortner A
- Alazraki NF See Morton KA
- Alazraki NF; Taylor AT Jr: radioimmunodiagnosis through imaging: prospects for tumor imaging using labeled monoclonal antibodies. *Invest Radiol* 1988; 23: 414
- Al-Bahar R; Hayati N; Mohammed MM; et al: "tear drop sign" in hypertrophic cardiomyopathy: finding on gated cardiac imaging. *Clin Nucl Med* 1986; 11: 121
- Albanna FJ See Nabors MW
- Albelda SM See Marinelli DL
- Albert A; Lee BC; Saint-Louis L; et al: MRI of optic chiasm and optic pathways. *AJNR* 1986; 7: 235
- Albert S See Teiskidors HS
- Alberts WM; Chandler KW; Solomon DA; et al: pulmonary disease caused by *mycobacterium mageritense*. (ab). *Radiology* 1988; 166: 585
- Albertyna L: heavenly twins: useful anatomic landmarks in C.T. and ultrasound of the abdomen. *Australas Radiol* 1987; 31: 278
- Albertyna LE See O'Neill RA
- Albertyna LE: case report: acute portal vein thrombosis. *Clin Radiol* 1987; 38: 645
- Albertyna LE: extending the search pattern in computed tomography. *Clin Radiol* 1987; 38: 145
- Albertyna LE: perirenal cobwebs: a sign of aortic aneurysm rupture. *Australas Radiol* 1988; 32: 98
- Albertyna LE; Alcock MK: diagnosis of internal jugular vein thrombosis. *Radiology* 1987; 162: 505
- Albertyna LE; Davies GT; Newble DJ; et al: fifth year undergraduate radiology teaching programme at the Queen Elizabeth Hospital, Australas Radiol 1987; 31: 232
- Albin J See Shirkhoda A
- Albin J; Lewis E; Effekhari F; et al: computed tomography of rectal and perirectal disease in AIDS patients. *Gastrointest Radiol* 1987; 12: 67
- Albin M See Wollmer F
- Albinisi U See Merlini L
- Alboliras ET; Julsrud PR; Danielson GK; et al: definitive operation for pulmonary atresia with intact ventricular septum: results in twenty patients. (ab). *Radiology* 1987; 165: 885
- Albrand JF; Foray MF; Decrope M; et al: ³¹P NMR measurements of T₂ relaxation times of ATP with surface coils: suppression of J modulation. *Magn Res Med* 1986; 3: 941

Albrechtsson

- Albrechtsson U See Einarsson E
 Albrechtsson U See Wallner F
 Albrektsson T See Jacobsson M
 Albrektsson T See Kaleb P
 Albright EB; Crane JP; Shackelford GD: prenatal diagnosis of a bronchogenic cyst, *J Ultrasound Med* 1988; 7: 91
 Albright JP See El-Khoury GY
 Albright R See Velaz R
 Albrow F See Gould KL
 Alburger PD See Mesgarzadeh M
 Alcalay M; Goupy M-C; Azais I; et al: hemodialysis is not essential for the development of destructive spondylarthropathy in patients with chronic renal failure, (ab), *Radiology* 1988; 167: 590
 Alcock C See Robinson M
 Alcock CJ; Toplis PJ: influence of pelvic lymph node disease on survival for stage I and II carcinoma of the cervix, *Clin Radiol* 1987; 38: 13
 Alcock MK See Alberty LE
 Alcock MK; Morris LL; LeQuesne GW; et al: imaging in neuroblastoma—12 year experience, *Australas Radiol* 1986; 30: 38
 Alcock MK; Robertson A: case report: magnetic resonance imaging of a colloid cyst of the third ventricle, *Clin Radiol* 1988; 39: 308
 Alcock MK; Tucker WG; Higgins BA; et al: C.T. measurement of spinal mineral—initial Australian experience using the U.C.S.F. phantom, *Australas Radiol* 1988; 32: 276
 Alcorn FS See Turner DA
 Alderman DW See Stolk JA
 Aldersville J See Kelbaek H
 Alderson M See Dean G
 Alderson PO See Ramanna L
 Alderson PO See Romney BM
 Alderson PO See Seldin DW
 Alderson PO See Siegel BA
 Alderson PO See Slossman DO
 Alderson PO See Smith R
 Alderson PO; Martin EC: pulmonary embolism: diagnosis with multiple imaging modalities, *Radiology* 1987; 164: 297
 Aldrete JS See Schwartz ML
 Aldrich JE: development of a hospital radiation emergency protocol, *J Canad Assoc Radiol* 1988; 39: 137
 Aldrich M See Alverson DC
 Aldridge MJ See Carter SR
 Aldridge S; Frazer J; Tawn J; et al: left ventricular aneurysm formation: an iatrogenic cause for the third mogul, *Br J Radiol* 1988; 61: 463
 Aldridge SM; Birchall TW: anuria: an unusual presentation of aortic dissection (diagnosed by ultrasound), *Br J Radiol* 1987; 60: 195
 Alegret X See Andreu J
 Alegret X See Mata JM
 Alemdaroglu A: on supra-petrous of Meckel: CT appearance, *JCAT* 1986; 10: 164
 Alenci M See Dore R
 Alexander AH See Kottal RA
 Alexander CB See Fraser RG
 Alexander EL; Beall SS; Gordon B; et al: magnetic resonance imaging of cerebral lesions in patients with the Sjögren syndrome, (ab), *Radiology* 1988; 169: 886
 Alexander GA See Thistlethwaite AJ
 Alexander IA; Thomson KR; Kune GA: primary common bile duct carcinoma demonstration by computerized tomography, ultrasonography and angiography, *Australas Radiol* 1986; 30: 34
 Alexander J See Cronan JJ
 Alexander JE See Seibert JJ
 Alexander JE; Seibert JJ; Aronson J: dorsal defect of the patella and infection, *Pediatr Radiol* 1987; 17: 325
 Alexander JE; Seibert JJ; Berry DH; et al: prognostic factors for healing of bone lesions in histiocytosis X, *Pediatr Radiol* 1988; 18: 326
 Alexander JE; Seibert JJ; Lowe BA: cutaneous uptake of gallium-67 in polyarteritis nodosa, *Clin Nucl Med* 1987; 12: 883
 Alexander JE; Williamson SL; Seibert JJ; et al: ultrasonographic diagnosis of typhilitis (neutropenic colitis), *Pediatr Radiol* 1988; 18: 200
 Alexander RW See Vischer DW
 Alexandre C See Rossi J-F
 Alexieva-Jackson B See Mackey JK
 Alexieva-Jackson B; Fetters DV; Cole RL; et al: gallbladder simulating renal fracture during technetium-99m glucoheptate evaluation for renal trauma, *Clin Nucl Med* 1986; 11: 363
 Alfano B See Iannotti F
 Alfaro FR See Ferraro EM
 Alfidi RJ; Masaryk TJ; Haacke EM; et al: MR angiography of peripheral, carotid, and coronary arteries, *AJR* 1987; 149: 1097
 Alfievic Z See Jurkovic D
 Alfievic Z See Kurjak A
 Alford BA See Shaffer HA Jr
 Alford BA; Osham DG; Sussman MD: radiographic appearances following surgical correction of the partially fused epiphyseal plate, *Skeletal Radiol* 1986; 15: 146
 Alford BR See Shoss SM
 Alfred R See Manco LG
 Algeo JH Jr; Powell M; Coucaud J: Levein shunt visualization without function using technetium-99m macroaggregated albumin, *Clin Nucl Med* 1987; 12: 741
 Alger JR See Degani H
 Alger JR See Stroms ME
 Algra PR See Breedveld FC
 Algra PR See Schultze Kool LJ
 Alheit B See Lotz J
 Ali A See Anees A
 Ali A See Baker J
 Ali A See Rabin DN
 Ali A See Salomon CG
 Ali S See Maxon HR
 Ali SM See Ahmed MJ
 Aliabadi P See Tumei SS
 Aliotta A See Rapacini GL
 Al-Kawi MZ See Jinkins JR
 Alkema RC See Baran GW
 Alker G See Kaczmarek RG
 Allalunis-Turner MJ See Siemann DW
 Allan B See Laukanen E
 Allan BT See Day DL
 Allan BT; Day DL; Dehner LP: CT demonstration of asymptomatic pulmonary emboli after bone marrow transplantation: case report, *Pediatr Radiol* 1987; 17: 65
 Allan BT; Day DL; Dehner LP: primary pulmonary rhabdomyosarcoma of the lung in children: report of two cases presenting with spontaneous pneumothorax, (ab), *Radiology* 1987; 165: 591
 Allan BT; Patton D; Ramsey NKC; et al: pulmonary fungal infections after bone marrow transplantation, *Pediatr Radiol* 1988; 18: 118
 Allan N See Raval B
 Allan NK See Jaramillo D
 Allan PL See Loupas T
 Allan PL See Nimmo MJ
 Allan RN See Gyde SN
 Allan SG See Taylor RE
 Allard JC See Lee VW
 Allard JC; Lee VW; Foster J: discordant uptake of technetium-99m DISIDA and technetium-99m sulfur colloid in an amebic abscess, *Clin Nucl Med* 1988; 13: 114
 Allard JC; Lee VW; Franklin P: thyroid uptake of gallium in Graves' disease, *Clin Nucl Med* 1988; 13: 663
 Allard JC; Naimark A; Lee VW; et al: septic shoulder presenting as biceps muscle abscess, *Clin Nucl Med* 1987; 12: 935
 Allard M; Kien P; Caille JM; et al: brain distribution of MRI contrast media in rats after intracisternal injection, *J Neurosurg* 1987; 14: 383
 Allard M; Kien P; Caille JM; et al: subcellular localisation of gadolinium in the rat brain, *J Neurosurg* 1987; 14: 159
 Allen DB; Hendricks SA; Levy JM: aortic dilation in Turner syndrome, (ab), *Radiology* 1987; 164: 884
 Allen GJ: longitudinal stress fractures of the tibia: diagnosis with CT, *Radiology* 1988; 167: 799
 Allen HA III See Scarfage JC
 Allen HA III; Holmes BW Jr; Hopkins JD: bilateral ectopic pheochromocytomas: computed tomographic and sonographic correlation, *Urol Radiol* 1988; 9: 228
 Allen HA III; Scarfage JC; Kim MH: actinomycosis: CT findings in six patients, *AJR* 1987; 149: 1255
 Allen JH See Freeman MP
 Allen JH See Price AC
 Allen JH See Runge VM
 Allen K See Williams SR
 Allen KS See Bezzl M
 Allen KS See Coleman BG
 Allen KS; Arger PH; Mennuti M; Coleman BG; Mintz MC; Fishman M: effects of maternal hydration on fetal renal pyelectasis, *Radiology* 1987; 163: 807
 Allen KS; Glickstein M; Arger PH; et al: cryptococcosis associated with sarcoidosis: CT and MR findings, *JCAT* 1988; 12: 420
 Allen KS; Jorkasky DK; Arger PH; Velchik MG; Grumbach K; Coleman BG; Mintz MC; Betsch SE; Perloff LJ: renal allografts: prospective analysis of Doppler sonography, *Radiology* 1988; 169: 371
 Allen KS; Siskind BN; Burrell MI: perforation of distal esophagus with lesser sac extension: CT demonstration, *JCAT* 1986; 10: 612
 Allen MB Jr See El Gammal T
 Allen MJ See Annis JAD
 Allen MJO See Barragry TP
 Allen ML See Strange C
 Allen MO See Stahl TJ
 Allen NB See Jordan JM
 Allen PS See Hanstock CC
 Allen PS See Lunt JA
 Allen PS See Stewart CA
 Allen RF; Williams JP; Joslyn JN; et al: aneurysmal rupture during computed tomography scanning, *CT* 1986; 10: 93
 Allen S See Kramer FL
 Allen SD See Wheat LJ
 Allen TE See Moretini LB
 Allen JU; Schultz A: immunocytochemical markers (endothelial and histiocytic) and ultrastructure of primary aneurysmal bone cysts, (ab), *Radiology* 1986; 161: 860
 Allgayer B See Hanning C
 Alliet KL See Siemann DW
 Allison DJ See Carvalho P
 Allison DJ See Gibson RN
 Allison DJ See Hemingway AP
 Allison DJ See Hennessy OF
 Allison DJ See Yeung EYC
 Allison DJ; Adam A: percutaneous liver biopsy and track embolization with steel coils, *Radiology* 1988; 169: 261
 Allison MC; Dick R; Eliot C: pseudo-tumours of the liver on computed tomographic (CT) scanning caused by adjacent ascitic or pleural fluid, *Australas Radiol* 1987; 31: 183
 Allman T See Lenkinski RE
 Allman T; Holland GA; Lenkinski RE; et al: simple method for processing NMR spectra in which acquisition is delayed: applications to *in vivo* localized ³¹P NMR spectra acquired using the DRESS technique, *Magn Res Med* 1988; 7: 88
 Allo MM See Moran KT
 Alloush N See Mikolich JR
 Allwright SJ; Chapman PR; Antico VF; et al: cutaneous gallium uptake in patients with AIDS with mycobacterium avium-intracellulare septicemia, *Clin Nucl Med* 1988; 13: 506
 Allwright SJ; Cooper RA; Nash P: trochanteric bursitis: bone scan appearance, *Clin Nucl Med* 1988; 13: 561
 Ally KM See Gilbert LA
 Almaz B See Fossa SD
 Almaz R See Scarfage JC
 Al-Mefty O; Harkey LH; Middleton TH; et al: myelopathic cervical spondylotic lesions demonstrated by magnetic resonance imaging, (ab), *Radiology* 1988; 169: 590
 Al-Mefty O; Holoubi A; Fox JL: value of angiography in cerebral nail-gun injuries, *AJNR* 1986; 7: 164
 Almen T See Nilsson P
 Almen T See Sjöberg S
 Almen T See Weibull H
 Almes C See Lamarque JL
 Almog C See Shapiro I
 Al-Mohannadi S See Abu-Nema T
 Al-Mohannadi S See Bahar RH
 Aloia JF; Vaswani AN; Yeh JK; et al: premenopausal bone mass is related to physical activity, (ab), *Radiology* 1988; 168: 294
 Alon U; Pery M; Davidai G; et al: ultrasonography in the radiologic evaluation of children with urinary tract infection, (ab), *Radiology* 1987; 162: 591
 Alonso DR See Devereux RB
 Alpern MB See Bresler EL
 Alpern MB See Deutsch SJ
 Alpern MB See Haggard AM
 Alpern MB See Kellman GM
 Alpern MB See Siegel SC
 Alpern MB; Glazer GM; Francis IR: ischemic or infarcted bowel: CT findings, *Radiology* 1988; 166: 149
 Alpern MB; Lawson TL; Foley WD; Perlman SJ; Reif LJ; Arévalos E; Rimm AA: focal hepatic masses and fatty infiltration detected by enhanced dynamic CT, *Radiology* 1986; 158: 45
 Alpern MB; Rubin DM; Williams DM; Capek P: porta hepatis: duplex Doppler US with angiographic correlation, *Radiology* 1987; 162: 53
 Alpern MB; Sandler MA: case report: CT of a duodenal paraganglioma, *Comput Med Imag Graph* 1988; 12: 321
 Alpern MB; Thorsen MK; Kellman GM; et al: CT appearance of hemangiopericytoma, *JCAT* 1986; 10: 264
 Alpers CE See Hricak H
 Alpert LC; Truong LD; Brossart MI; et al: microcystic adenoma (serous cystadenoma) of the pancreas: a study of 14 cases with immunohistochemical and electron-microscopic correlation, (ab), *Radiology* 1988; 169: 286
 Alpert M; Brody S: detection of massive colonic hemorrhage by selective coeliac arteriography, *Br J Radiol* 1987; 60: 190
 Alpert S See Radin DR
 Al-Rasheed A See Owunwanne A
 Al-Sheikh WA See Nunez D Jr
 Alspaugh JP See Chuang VP

- Alspaugh JP See Lumsden AB
 Alspaugh JP See Martin LG
 Alspaugh JP See Ruff RJ
 Alspaugh JP; Chuang VP; Martin LG; et al: dual-balloon technique for nonoperative removal of retained biliary stones. *Cardiovasc Intervent Radiol* 1986; 9: 161
 Alspaugh JP; Martin LG; Chuang VP: Everting balloon catheter in the biliary tree: technical note. *Cardiovasc Intervent Radiol* 1986; 9: 164
 Alston J See Williamson MR
 Alstrup P See Sorensen HR
 Al-Suhaibani H See Patel PJ
 Al-Suhaili AR See Bahar RH
 Al-Suhaili AR See Nawaz MK
 Al-Suhaili AR; Ericsson S; Bahar RH; et al: upper gastrointestinal bleeding from the biliary tract (hematobilia): detection by technetium-99m DTPA. *Clin Nucl Med* 1987; 12: 791
 Al-Suhaili AR; Lynn J; Lavender JP: Intrathyroidal parathyroid adenoma: preoperative identification and localization by parathyroid imaging. *Clin Nucl Med* 1988; 13: 512
 Al-Suhaili A See Abu-Nema T
 Al-Sultan S; Tayyar M; Bahar RH; et al: value of SPECT in identifying false-positive PYP myocardial imaging due to DC burn: a case report. *Clin Nucl Med* 1987; 12: 755
 Al-Sumidaie AM See Whitehouse GH
 Altchek DW See Markis JA
 Alter AJ; Vega RJ: target lesion of the thyroid. *Clin Nucl Med* 1988; 13: 211
 Alterman DD; Barbour J; Glazer GM; et al: CT evaluation of extrahepatic disease in patients with metastatic colorectal carcinoma receiving hepatic arterial chemotherapy. *J Canad Assoc Radiol* 1987; 38: 215
 Alterman DD; Cho KC: histoplasmosis involving the omentum in an AIDS patient: CT demonstration. *JCAT* 1988; 12: 664
 Althausen AF See Papanicolaou N
 Altieri J See Haft JJ
 Altin RS; Flicker S; Naidech HJ; et al: cardiovascular computed tomography (cine CT) of abnormal left ventricular wall motion due to epicardial pacing electrodes. *Cardiovasc Intervent Radiol* 1987; 10: 5
 Altmaier EM See Morris KJ
 Altmaier EM See Tarico VS
 Altman DF See Wall SD
 Altman DH See Altman NR
 Altman HG See Bezzi M
 Altman N See Pomeranz SJ
 Altman NR: MR and CT characteristics of gangliocytoma: a rare cause of epilepsy in children. *AJNR* 1988; 9: 917
 Altman NR; Altman DH: MR imaging of spinal dysraphism. *AJNR* 1987; 8: 533
 Altman NR; Altman DH; Wolfe SA; et al: three-dimensional CT reformation in children. *AJNR* 1986; 7: 287
 Altman NR; Purser RK; Post MJD: tuberosus sclerosis: characteristics at CT and MR imaging. *Radiology* 1988; 167: 527
 Altman R; Asch E; Bloch D; et al: development of criteria for the classification and reporting of osteoarthritis: classification of osteoarthritis of the knee. (ab). *Radiology* 1987; 162: 589
 Altman RD; Fries JF; Bloch DA; et al: radiographic assessment of progression in osteoarthritis. (ab). *Radiology* 1988; 167: 887
 Altman RP See Abramson SJ
 Altobelli SA See Caprihan A
 Altobelli SA; Caprihan A; David JG; et al: rapid average-flow velocity measurement by NMR. *Magn Res Med* 1986; 3: 317
 Alton D See Bruce R
 Alton D: pediatric ultrasonography. *Radiology* 1987; 165: 470
 Alton DJ See Gu L
 Alton DJ See Hochhauser L
 Alton DJ: pocket guide to pediatric fractures. *Radiology* 1988; 168: 146
 Alton DJ; Gu L; Daneman A: transient opacification of the urinary pathways by amorphous debris in children with leukemia. *Pediatr Radiol* 1988; 18: 362
 Alvarado R See Palmaz JC
 Alvarado R See Rees CR
 Alvarez CB See Reginald AJ
 Alvarez FJ; Escalada J; Comet R; et al: CT diagnosis of splenic multifocal lesions and abdominal lymphadenopathy secondary to sarcoidosis. *Comput Med Imag Graph* 1988; 12: 255
 Alvarez LA See Maytal J
 Alvarez O See Hyman RA
 Alvarez O See Sands SF
 Alvarez O; Edwards JH; Hyman RA: MR recognition of internal carotid artery occlusion. *AJNR* 1986; 7: 359
 Alvarez O; Hyman RA: even echo MR rephasing in the diagnosis of giant intracranial aneurysm. *JCAT* 1986; 10: 699
 Alvarez O; Roque CT; Pampati M: multilevel thoracic disk herniations: CT and MR studies. *JCAT* 1988; 12: 649
 Alvarez SZ See Maglinte DDT
 Alvegard T See Rösör B
 Alverson DC See Claflin KS
 Alverson DC; Aldrich M; Angelus P; et al: longitudinal trends in left ventricular cardiac output in healthy infants in the first year of life. *J Ultrasound Med* 1987; 6: 519
 Alford EC Jr See Darrow VC
 Alwmark A See Kehler M
 Alyea K See Witherspoon L
 Alzate GD; Coons HG; Elliott J; et al: percutaneous gastrostomy for jejunal feeding: new technique. *AJR* 1986; 147: 822
 Amalric R See Kurtz JM
 Amamoto Y See Matsunaga N
 Amamoto Y See Mori H
 Amano K See Abe M
 Amano M See Yamamoto S
 Amar SS See Hawkey CJ
 Amato D See Fernandes BJ
 Amato DA See Tarbell NJ
 Amberg JR See Chernin MM
 Amberg JR See Danielson K
 Amberg JR; Leopold GR: is oral cholecystography still useful? *AJR* 1986; 151: 73
 Amberson SM See Briggs RC
 Ambrose JA; Hjendahl-Monsen CE; Borrico S; et al: angiographic demonstration of a common link between unstable angina pectoris and non-Q wave acute myocardial infarction. (ab). *Radiology* 1988; 169: 291
 Ambrose SS See Baumgartner BR
 Ambrosio P: CT in progressive supranuclear palsy. *AJNR* 1987; 8: 849
 Ambrosino MM; Genieser NB; Bangaru BS; et al: syndrome of achalasia of the esophagus, ACTH insensitivity and alacrima. *Pediatr Radiol* 1986; 16: 328
 Ambrosio D; Cianculli E: yet another targeting device for stereotactic procedures. *J Neurosurg* 1987; 14: 163
 Amdur RJ See Mendenhall WM
 Amend W See Hoddick WK
 Amend WJC See Moore EH
 Amendola BE; Amendola MA; Oliver E; McClatchey KD: chordoma: role of radiation therapy. *Radiology* 1986; 158: 839
 Amendola MA See Amendola BE
 Amendola MA See Barber L
 Amendola MA See Francis IR
 Amendola MA See Glazer GM
 Amendola MA See Pollack HM
 Amendola MA See Rafto SE
 Amendola MA See Shapiro MJ
 Amendola MA: techniques and indications in radiology: kidney and urinary tract. *Radiology* 1988; 168: 402
 Amendola MA; Bree RL; Pollack HM; Francis IR; Glazer GM; Jafri SZH; Tomaszewski JE: small renal cell carcinomas: resolving a diagnostic dilemma. *Radiology* 1988; 166: 637
 Amendola MA; Glazer GM; Grossman HB; et al: staging of bladder carcinoma: MRI-CT-surgical correlation. *AJR* 1986; 146: 1179
 Amery AK See Wilms GE
 Ames AW See Gates GF
 Ames IH See Garcia CM
 Ames MD; Kaczmarek CJ; Sahar DJ; et al: pericardiothoracic hernia secondary to a surgically created peritoneal and pericardial window. (ab). *Radiology* 1986; 160: 857
 Amesz P; Castronuovo JJ; Chandramouli R: infected cyst localization with gallium SPECT imaging in polycystic kidney disease. *Clin Nucl Med* 1988; 13: 35
 Ametrano O See Ventruto V
 Amichetti M See Piffer S
 Amichetti M See Valdagni R
 Amico CA See Braman SS
 Amico S; Lucas PG; Chelius P; et al: Ewing's sarcoma of the thumb: radiographic, angiographic, CT, and bone scan findings. *Clin Nucl Med* 1987; 12: 671
 Amico S; Lucas PG; Diebold MD; et al: metastatic calcification in the thyroid gland demonstrated on bone scan in a patient with primary hyperparathyroidism. *J Nucl Med* 1986; 27: 373
 Amin EA See Burton BE
 Amin R: complete regression of pulmonary metastases from malignant melanoma of the vulva following therapy with tamoxifen. *Br J Radiol* 1986; 59: 171
 Amin R: regression of osteoblastic metastases from carcinoma of the prostate following therapy with tamoxifen. *Br J Radiol* 1986; 59: 703
 Amin R; Anthony P: non-Hodgkin's lymphoma following successful treatment of Hodgkin's disease. *Clin Radiol* 1986; 37: 483
 Amis ES Jr See Cronan JJ
 Amis ES Jr: microcomputer applications for the academic radiologist. *AJR* 1987; 149: 187
 Amis ES Jr; Cronan JJ; Pfister RC: needle puncture of cystic renal masses: survey of the Society of Uroradiology. *AJR* 1987; 148: 297
 Amis ES Jr; Newhouse JH; Cronan JJ: radiology of male periurethral structures. *AJR* 1988; 151: 321
 Amis ES Jr; Newhouse JH; Olsson CA: continent urinary diversions: review of current surgical procedures and radiologic imaging. *Radiology* 1988; 168: 395
 Ammann AM See Resnik CS
 Ammann W; Chiu BKY; Wright JM: subacute splenic abscess: appearance on indium-111 leukocyte, gallium-67, and technetium-99m sulfur colloid imaging. *Clin Nucl Med* 1986; 11: 165
 Ammann W; Kassen BO: diffuse abdominal gallium uptake. *Semin Nucl Med* 1986; 16: 214
 Ammann W; Matzinger J; Lloyd-Smith DR; Cohen FF; Clement DB: femoral stress abnormalities: improved scintigraphic detection with frog-leg view. *Radiology* 1988; 169: 844
 Ammar F; Robertson AG; Dudgeon J: radiotherapy of choroidal malignant melanomas. *Clin Radiol* 1987; 38: 21
 Ammar IA See Knight LC
 Amodeo J See Feldman F
 Amodeo J; Abramson S; Berdon W; et al: postnatal resolution of large ovarian cysts detected in utero: report of two cases. *Pediatr Radiol* 1987; 17: 467
 Amodeo JB See Abramson SJ
 Amodeo JB; Abramson SJ; Berdon WE; et al: iatrogenic causes of large pleural fluid collections in the premature infant: ultrasonic and radiographic findings. *Pediatr Radiol* 1987; 17: 104
 Amodeo JB; Abramson SJ; Berdon WE; et al: pediatric AIDS. *Semin Roentgenol* 1987; 22: 66
 Amodeo JB; Abramson SJ; Berdon WE: primary pulmonary tuberculosis in infancy: recurrent disease in the urban United States. *Pediatr Radiol* 1986; 16: 185
 Amodeo JB; Berdon WE; Abramson SJ; et al: cystic fibrosis in childhood: pulmonary, paranasal sinus, and skeletal manifestations. *Semin Roentgenol* 1987; 22: 125
 Amodeo JB; Berdon WE; Abramson SJ; et al: microcolon of prematurity: form of functional obstruction. *AJR* 1986; 146: 239
 Amodeo JB; Berdon WE; Abramson SJ; et al: retrocardiac pneumomediastinum in association with tracheal and esophageal perforations. *Pediatr Radiol* 1986; 16: 380
 Amols HI; Goffman TE; Komaki R; Cox JD: acute radiation effects on cutaneous microvasculature: evaluation with a laser Doppler perfusion monitor. *Radiology* 1988; 169: 557
 Amore JN See Capper WL
 Amorimara R See Prempreet T
 Amoroso JK See Nusher JL
 Amoroso P See Giorgio A
 Amox D See Halpern SE
 Amox DG See Ryan KP
 Amparo E See Levin HS
 Amparo EG See Jorizzo JR
 Amparo EG See McArdle CB
 Amparo EG See Moretini LB
 Amparo EG See O'Neal MF
 Amparo EG See Sheward SE
 Amparo EG See Waggensack GA
 Amparo EG See Winsett MZ
 Ampil F See Baharasa F
 Ampil FL: palliative irradiation of carcinomatous lumbosacral plexus neuropathy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1681
 Amplatz K See Brazzini A
 Amplatz K See Butto F
 Amplatz K See Cardella JF
 Amplatz K See Castaneda F
 Amplatz K See Darcy MD
 Amplatz K See Mercado S
 Amplatz K See Robinson JP
 Amplatz K See Smith TD
 Amplatz K See Young AT
 Amplatz K See Zollhofer CL
 Amrein D See Danchin N
 Amron G See Lee LI
 Amster J See Krol G
 Amstutz HC See Harker GJ
 Amundson GM See Mueller DL
 Amundson GM See Wesenberg RL
 Amundson GM; Trevenen CL; Mueller DL; et al: neuroblastoma: a specific sonographic tissue pattern. *AJR* 1987; 148: 943
 Amy JR See Haynes RC
 Anacker H; Rupp N; Reiser M: magnetic resonance (MR) in the diagnosis of pancreatic disease. (ab). *Radiology* 1986; 158: 286
 Anas D; Oster ZH; Atkins HL; et al: cortex perfusion index: sensitive detector of acute rejection crisis in transplanted kidneys. *J Nucl Med* 1986; 27: 1697
 Anand AK; Halthore SN; Wani S: isophendylate (Pantopage) and MR imaging of the spine. *Comput Radiol* 1987; 11: 165
 Anand J See Auh YH
 Anandappa EC See Hollinger LD

- Anda S See Finsen V
 Anda S See Sand T
 Anda S; Dale LG; Vassal J: intradural disc herniation with vacuum phenomenon: CT diagnosis. *Neuroradiol* 1987; 29: 407
 Anda S; Eläs T; Harstad HK: missing rectus: a CT observation from blow-out fracture of the orbital floor. *JCAT* 1987; 11: 895
 Anda S; Moe PJ: computed tomography in low-back-pain after femur-amputation for osteogenic sarcoma. *Pediatr Radiol* 1987; 17: 164
 Anda S; Royland P; Fougner R; et al: CT appearance of the diaphragm varying with respiratory phase and muscular tension. *JCAT* 1986; 10: 744
 Anda S; Støvring J; Rø M: CT of extraforaminal disc herniation with associated vacuum phenomenon. *Neuroradiol* 1988; 30: 76
 Andejski J See Linstadt D
 Anders KH; Guerra WF; Tomiyasu U; et al: neuropathology of AIDS: UCLA experience and review. (ab). *Radiology* 1987; 163: 294
 Andersen AP See Hansen HS
 Andersen E; Pedersen H: oral fluorouracil versus intravenous 5-fluorouracil: a comparative study in patients with colorectal cancer. *Acta Oncol* 1987; 26: 433
 Andersen JL; Grøn P; Langhoff O: scaphoid fat stripe in the diagnosis of carpal trauma. *Acta Radiol* 1988; 29: 97
 Andersen JW See Kaplan WD
 Andersen PE Jr See Hjøst A
 Andersen PE Jr; Bollerslev J: heterogeneity of autosomal dominant osteopetrosis. *Radiology* 1987; 164: 223
 Andersen PE Jr; Justesen P: chondrodysplasia punctata: report of two cases. *Skeletal Radiol* 1987; 16: 223
 Anderson AR; Friborg L; Olsen TS; et al: delayed hyperemia following hyperperfusion in classic migraine: single photon emission computed tomographic demonstration. (ab). *Radiology* 1988; 166: 295
 Anderson B See Wang M-L
 Anderson CM See Luyten PR
 Anderson DJ See Greene R
 Anderson GF See Kinnison ML
 Anderson GF See Powe NR
 Anderson GF See Steinberg EP
 Anderson GH See Kenney PJ
 Anderson H; Jenkins JPR; Briggs DJ; et al: prognostic significance of mediastinal bulk in patients with stage IA-III Hodgkin's disease: report from the Manchester lymphoma group. (ab). *Radiology* 1986; 158: 863
 Anderson HV; King SB III: coronary artery laser therapy. *AJR* 1988; 150: 995
 Anderson J See Felson DT
 Anderson JA See Smalley SR
 Anderson JC See Huurman WW
 Anderson JC See Johnson RL
 Anderson JC See Ong E
 Anderson JH See Kinnison ML
 Anderson JH See Labs JD
 Anderson JR; Spence RAJ; Laird JD; et al: indium-111 autologous leukocyte imaging in pancreatitis. *J Nucl Med* 1986; 27: 345
 Anderson L See Notman DNH
 Anderson LJ See Reicher MA
 Anderson LL See Heelan RT
 Anderson M See Harwood SJ
 Anderson M See Wolpert SM
 Anderson MW See McGahan JP
 Anderson MW; McGahan JP: metastatic melanoma to the epididymis suspected on preoperative ultrasound. *JCU* 1986; 14: 644
 Anderson P See Chandler ST
 Anderson P See Vaughan ATM
 Anderson PE Jr; Hauge M; Bang J: dyssegmental dysplasia in siblings: prenatal ultrasonic diagnosis. *Skeletal Radiol* 1988; 17: 29
 Anderson R See Katzberg RW
 Anderson RH See Sharma S
 Anderson RJ See Roberts WN
 Anderson RL See Coultas PG
 Anderson RL See Randel SB
 Anderson RL; Herman TS; van Kersen I; et al: thermotolerance and heat shock protein induction by slow rates of heating. *Int J Radiat Oncol Biol Phys* 1988; 15: 717
 Anderson S See Dixon GD
 Anderson S; Savader B; Barnes J; et al: enterolithiasis with imperforate anus: report of two cases with sonographic demonstration and occurrence in a female. *Pediatr Radiol* 1988; 18: 130
 Anderson SC; Shah CP; Murtagh FR: congested deep subcutaneous veins as a sign of dural venous thrombosis: MR and CT correlations. *JCAT* 1987; 11: 1059
 Anderson SD See Shin MS
 Anderson SD See Van Dyke JA
 Anderson SD; Holley HC; Berland LL; Van Dyke JA; Stanley RJ; et al: jaundice during hepatic artery infusion chemotherapy. *Radiology* 1986; 161: 439
 Anderson SE See Moonen CTW
 Anderson TM See Rice CA
 Anderson WH See Cox GG
 Anderson-Berg WT; Strand M; Lempert TE; et al: nuclear magnetic resonance and gamma camera tumor imaging using gadolinium-labeled monoclonal antibodies. *J Nucl Med* 1986; 27: 829
 Andersson I See Löfgren M
 Andersson I; Adler DD; Ljungberg O: breast necrosis associated with thromboembolic disorders. *Acta Radiol* 1987; 28: 517
 Andersson R See Forsberg L
 Andersson T; Eriksson B; Hemmingsson A; et al: angiography, computed tomography, magnetic resonance imaging and ultrasonography in detection of liver metastases from endocrine gastrointestinal tumours. *Acta Radiol* 1987; 28: 535
 Andersson T; Eriksson B; Hemmingsson A; et al: effect of interferon on T1 relaxation times of liver metastases from endocrine gastrointestinal tumours. *Acta Radiol* 1988; 29: 21
 Ando H; Ito T: ultrasonic characteristics of tumefactive biliary sludge: thixotropic phenomenon. *JCU* 1986; 14: 289
 Ando K See Tokiguchi S
 Ando Y See Inagaki M
 Ando Y See Koeda T
 Ando Y See Kondo M
 Andoh K; Tanohata K; Asakura K; et al: CT demonstration of portal vein aneurysm. *JCAT* 1988; 12: 325
 Andoh T See Sakai N
 Andolf E; Jørgensen C: simple adnexal cysts diagnosed by ultrasound in postmenopausal women. *JCU* 1988; 16: 301
 Andonopoulos AP; Karadanas AH; Drosos AA; et al: CT evaluation of mediastinal lymph nodes in primary Sjögren syndrome. *JCAT* 1988; 12: 199
 Andou Y See Kawahara H
 Andre M See Bhasin S
 Andre M See Lambiasi R
 Andre M See Pate D
 Andre M See Sartoris DJ
 Andre MP See Stiles RC
 Andre PP See Puttemans N
 Andrea M See Silvestre ME
 Andreis IAB See Proccaci C
 Andreo P See Ahnesjö A
 Andreoli SP; Smith JA; Bergstein JM: aluminum bone disease in children: radiographic features from diagnosis to resolution: reply. *Radiology* 1986; 159: 284
 Andreone PA; Olivari M-T; Ring WS: clinical considerations of cardiac transplantation in organ transplantation: preoperative and postoperative evaluation. *Radiol Clin North Am* 1987; 25: 357
 Andreotti RF; Zusmer NR; Sheldon JJ; et al: ultrasound and magnetic resonance imaging of pelvic masses. (ab). *Radiology* 1988; 169: 587
 Andreou J See Papavasiliou C
 Andresen J See Steen-Hansen E
 Andreu J See Llauger J
 Andreu J See Perez C
 Andreu J; Alegret G; Pérez C; et al: cystic schwannoma mimicking adrenal tumor. *Comput Med Imag Graph* 1988; 12: 183
 Andreu J; Perez C; Caceres J; et al: computed tomography as the method of choice in the diagnosis of emphysematous cholecystitis. *Gastrointest Radiol* 1987; 12: 315
 Andrew E See Hald JK
 Andrew ER See Pettersson H
 Andrews DE: site planning for nuclear magnetic resonance imaging. *Cardiovasc Intervent Radiol* 1986; 8: 390
 Andrews J See O'Donnell C
 Andrews JC See Epstein BM
 Andrews JC See Wallis JW
 Andrews JC; Griggs TJ; Ensminger WD; et al: local thrombolytic therapy for hepatic artery thrombosis following chemotherapy infusion catheter placement. *Invest Radiol* 1987; 22: 467
 Andrews JC; Williams DM; Cho KJ: digital subtraction venography of the upper extremity. *Clin Radiol* 1987; 38: 423
 Andrews JT; McGinnisken MR: metastatic differentiated carcinoma of the thyroid and radioiodine. *Australas Radiol* 1987; 31: 41
 Andrews WS See Rollins NK
 Andriani RT See Baker ME
 Andriole GL; Bahnonn RR: computed tomographic diagnosis of ureteral obstruction caused by a sloughed papilla. *Urol Radiol* 1987; 9: 45
 Andriole J See Stanley JM
 Andriole J; Gouse JC; Schultz CL; et al: bilateral abdominal masses in an asymptomatic infant. *Invest Radiol* 1986; 21: 355
 Andriole JG See Stanley JH
 Andriole VT: urinary tract infections: recent developments. (ab). *Radiology* 1988; 167: 292
 Andrievic JH See Weisman ID
 Andros G See Harris RW
 Andruy T See Juma N
 Anees A; Ali A; Fordham EW: abnormal bone and gallium scans in a case of multifocal systemic sporotrichosis. *Clin Nucl Med* 1986; 11: 663
 Ang KK See Peters LJ
 Ang KK See van der Schueren E
 Ang KK See Vanuytsel L
 Ang KK; Thames HD Jr; van der Kogel AJ; et al: is the rate of repair of radiation-induced sublethal damage in rat spinal cord dependent on the size of dose per fraction? *Int J Radiat Oncol Biol Phys* 1987; 13: 557
 Angel C See Rubens D
 Angel CY See Pernes JM
 Angelelli G; Macarini L: CT of the bowel: use of water to enhance depiction. *Radiology* 1988; 169: 848
 Angeli E See Balconi G
 Angelini F See Corbetti F
 Angelini I See Bezzi M
 Angelus P See Alvenson DC
 Angervall I See Berlin O
 Angileri LJ; Crone-Escayne M-C; Thousenot P; et al: mechanisms of gallium-67 accumulation by tumors: role of cell membrane permeability. *J Nucl Med* 1988; 29: 663
 Anguaco EJC See Williamson MR
 Anguaco EJC; McConnell JR; Chadduck WM; et al: MR imaging of spinal epidural sepsis. *AJNR* 1987; 8: 879
 Anguaco TL See Balachandran S
 Anguaco TL See Liu G-C
 Anguaco TL See Teal LN
 Anguaco TL; Boyd CM; Marks SR; et al: sonographic diagnosis of the bilobate placenta. *J Ultrasound Med* 1986; 5: 672
 Angus E See Quencer RM
 Ani OEO; Ekandem GJ; Singh SP: specific landmarks on radiographs as diagnostic tools in determining hip diseases in the Cross River State of Nigeria. *Australas Radiol* 1987; 31: 208
 Anlar B; Yalaz K; Erzen C: Klippel-Trenaunay-Weber syndrome: a case with cerebral and cerebellar hemihypertrophy. *Neuroradiol* 1988; 30: 360
 Annis JAD; Finlay DBL; Allen MJ; et al: review of cervical-spine radiographs in casualty patients. *Br J Radiol* 1987; 60: 1059
 Anno I See Kuno S-y
 Anplatz K See Smith TP
 Ansari AN See Nishimi L
 Ansari AN; Siegel ME; DeQuattro V; et al: imaging of medullary thyroid carcinoma and hyperfunctioning adrenal medulla using iodine-131 metaiodobenzylguanidine. *J Nucl Med* 1986; 27: 1858
 Ansari E See Patel D
 Anscher MS; Prosnitz LR: postoperative radiotherapy for patients with carcinoma of the prostate undergoing radical prostatectomy with positive surgical margins, seminal vesicle involvement and/or penetration through the capsule. (ab). *Radiology* 1988; 168: 293
 Anschuetz SL See Vogelzang RL
 Anschuetz SL; Vogelzang RL: malignant pleural effusion: complication of transhepatic biliary drainage. *AJR* 1986; 146: 1165
 Ansel HJ See Stahl TJ
 Anselmo AP See Mandelli F
 Anselmo M See Lufkin RB
 Anselmo ML See Pusc; Y E
 Ansong K See Khasidi LR
 Anthony P See Amin R
 Anthony P; Keys H; Everts CM; et al: prevention of heterotopic bone formation with early postoperative irradiation in high risk patients undergoing total hip arthroplasty: comparison of 10.00 Gy vs 20.00 Gy schedules. *Int J Radiat Oncol Biol Phys* 1987; 13: 365
 Antico VF See Allwright SJ
 Antico VF; Hands ME; Lloyd BL: metastatic uterine cervical cell carcinoma to myocardium. *Clin Nucl Med* 1986; 11: 131
 Antman K; Gale RP: advanced breast cancer: high-dose chemotherapy and bone marrow autotransplants. (ab). *Radiology* 1988; 169: 288
 Antoni G See Langstrom B
 Antonoli DA See Wang HH
 Antonovic R See Putnam JS
 Antony AC See Kopecky KK
 Antoun NM See Stack JP
 Anwar M; Kadam S; Hiatt IM; et al: serial lumbar punctures in prevention of post-hemorrhagic hydrocephalus in preterm infants. (ab). *Radiology* 1986; 158: 862
 Aoki H See Inoue Y
 Aoki H See Tsuchi M

- Aoki J; Yamamoto I; Hino M; et al: case report 429, *Skeletal Radiol* 1987; 16: 412
- Aoki J; Yamamoto I; Hino M; et al: reactive endosteal bone formation, *Skeletal Radiol* 1987; 16: 545
- Aoki J; Yamamoto I; Hino M; Shigeno C; Kitamura N; Itoh H; Torizuka K; Itoh T; Furuta M: sclerotic bone metastasis: radiologic-pathologic correlation, *Radiology* 1986; 159: 127
- Aoki J; Yamamoto I; Kitamura N; Sone T; Itoh H; Torizuka K; Takasu K: end plate of the disc: degenerative change in the elderly adult, *Radiology* 1987; 164: 411
- Aoki S; Machida T; Sasaki Y; et al: enterogenous cyst of cervical spine: clinical and radiological aspects (including CT and MRI), *Neuroradiol* 1987; 29: 291
- Aoun NJ See Ghossein MA
- Aplan G See Gomes AS
- Apparu M See Demaison L
- Appel B; Moens E; Rinck P; et al: MRI approach of multiple sclerosis: 449 cases examined at 0.15 tesla, *J Neuroradiol* 1988; 15: 108
- Appel W See Grabenwöger F
- Appelbaum PS See Lidz CW
- Appelman HD See Goldfaden D
- Appelman PT; De Jong TE; Lampmann LE: deep venous thrombosis of the leg: US findings, *Radiology* 1987; 163: 743
- Appelbaum YN; Diamond AB; Rappoport AS: retrograde ureteral catheterization via the ileal conduit, *AJR* 1986; 146: 61
- Appelbaum YN; Renner JW: steel coil embolization of hepatopulmonary fistulae, *Cardiovasc Intervent Radiol* 1987; 10: 75
- Apple J See Klier R
- Apple JS See Roberts L Jr
- Apple JS; Kirks DR; Merten DF; et al: cervical spine fractures and dislocations in children, *Pediatr Radiol* 1987; 17: 45
- Apple JS; Martinez S; Khoury MB; et al: case report 376, *Skeletal Radiol* 1986; 15: 398
- Apple JS; Martinez S; Khoury MB; et al: occult carpal pathology: tomographic evaluation, *Skeletal Radiol* 1986; 15: 228
- Applebaum DM See Stewart CA
- Aprehamian C See Foley WD
- Apthorp JS See Bird CR
- Aquino JA See Hies S
- Aquino NM; Vazquez R; Matari H: ultrasound demonstration of a benign mesothelioma of tunica vaginalis testis, *JCU* 1986; 14: 310
- Aragona F See Calabro A
- Arai K See Ida M
- Arai K; Matsui O; Takashima T; et al: focal spared areas in fatty liver caused by regional decreased portal flow, *AJR* 1988; 151: 300
- Arajärvi P See Isolaure J
- Arakawa A; Nagata Y; Miyagi S; et al: case report: interruption of inferior vena cava with anomalous continuations, *CT* 1987; 11: 341
- Arakawa M See Carlson JW
- Arakawa M See Crooks LE
- Arakawa M See Feinberg DA
- Arakawa M See Schmiedl U
- Arakawa M; Krasner S; Fehn J; McCarten B; Kaufman L: surface coil assembly with switchable field of view, *Radiology* 1987; 164: 872
- Araki T; Hayakawa K; Hayashi S; et al: percutaneous transhepatic cholangiography of dual obstruction of the inferior vena cava, *Br J Radiol* 1986; 59: 937
- Araki T; Hihara T; Karikomi M; et al: hepatocellular carcinoma: metastatic abdominal lymph nodes identified by computed tomography, *Gastrointest Radiol* 1988; 13: 247
- Araki T; Hihara T; Karikomi M; et al: intraluminal papillary carcinoma of the gallbladder: prognostic value of computed tomography and sonography, *Gastrointest Radiol* 1988; 13: 261
- Araki Y; Mori S; Kanoh M; et al: cerebral peak time mapping: uniformity of the value of peak time, *Neuroradiol* 1987; 29: 160
- Araki Y; Mori S; Kanoh M; et al: congenital hemispheric arterial ectasia complicating unilateral megalencephaly, *Br J Radiol* 1987; 60: 395
- Arano Y; Yokoyama A; Furukawa T; et al: technetium-99m-labeled monoclonal antibody with preserved immunoreactivity and high in vivo stability, *J Nucl Med* 1987; 28: 1027
- Arasaki K; Kwee IL; Nakada T: ilioic lymphoma, *Neuroradiol* 1987; 29: 389
- Arata JA Jr See Wojtowycz MM
- Araujo ES See Schajowicz F
- Araujo LJ See Spinks TJ
- Arbaugh JJ See Kakkasseril JS
- Arbelle P See Benson M
- Arbelle P; Roncin A; Benson M; et al: exploration of the fetal cerebral blood flow by duplex Doppler—linear array system in normal and pathological pregnancies, *Ultrasound Med Biol* 1987; 13: 329
- Arbit E See Krol G
- Arborea JL; Lichtenstein JE; Spies JB; et al: colonic varices as a complication of colonic surgery, *Gastrointest Radiol* 1987; 12: 350
- Arcangeli G; Overgaard J; Gonzalez DG; et al: hyperthermia trials, *Int J Radiat Oncol Biol Phys* 1988; 14: 593
- Archement LJ See Brogdon BG
- Archambeau JO See Penner RD
- Archambeau JO See Slater JM
- Archambeau JO; Aitken D; Potts TM; et al: cost-effective, available-on-demand intraoperative radiation therapy, *Int J Radiat Oncol Biol Phys* 1988; 15: 775
- Archambeau JO; Shymko RM: tissue population configuration as a modifier of organ dose response, *Int J Radiat Oncol Biol Phys* 1988; 15: 727
- Archer AG; Choyke PL; O'Brien W; et al: scrotal enlargement following inguinal herniorrhaphy: ultrasound evaluation, *Urol Radiol* 1988; 9: 249
- Archer AG; Choyke PL; Zeman RK; et al: aortic dissection following coronary artery bypass surgery: diagnosis by CT, *Cardiovasc Intervent Radiol* 1986; 9: 142
- Archer BR See Wagner LK
- Archer CR See Awwad EE
- Archibald GR; Beckmann CF; Libertino JA: focal renal artery stenosis caused by fibromuscular dysplasia: treatment by percutaneous transluminal angioplasty, *AJR* 1988; 151: 593
- Archibald GR; Scholz FJ; Larsen CR: computed tomographic findings of giant intestinal pseudopolypoid, *Gastrointest Radiol* 1988; 13: 155
- Archie JT See Dudiak CM
- Arditi M See Hentz VR
- Arenas A See Gallego MS
- Arenas A See Pulpeiro JR
- Arends JW See Goel AK
- Arenson A-M See Gupta AK
- Arenson AM; Huang SN; McKee JD: ultrasound visualization of a mycotic left gastric aneurysm, *J Canad Assoc Radiol* 1986; 37: 285
- Arenson AM; McKee JD: left upper quadrant pseudolesion secondary to normal variants in liver and spleen, *JCU* 1986; 14: 558
- Arenson AM; Rosen IE; McKee JD; et al: ultrasonography and CT of multiple bile duct hamartomas simulating dilated intrahepatic ducts, *J Canad Assoc Radiol* 1988; 39: 26
- Arenson R See Mintz MC
- Arenson RL See Coleman BG
- Arenson RL See De Simone DN
- Arenson RL See Kundel HL
- Arenson RL See Lev-Toaff AS
- Arenson RL: office automation, *Radiol Clin North Am* 1986; 24: 87
- Arenson RL: opportunity ahead, *Radiology* 1988; 169: 267
- Arenson RL: teaching with computers, *Radiol Clin North Am* 1986; 24: 97
- Arenson RL; Dwyer SJ III; Jost RG: computer applications and digital imaging: RSNA '87 meeting notes, *Radiology* 1988; 166: 925
- Arenson RL; Seshadri SB; Kundel HL; et al: clinical evaluation of a medical image management system for chest images, *AJR* 1988; 150: 55
- Arenson RL; van der Voorde F; Stevens JF: improved financial management of the radiology department with a microcosting system, *Radiology* 1988; 166: 255
- Arenstorf RF See Conturo TE
- Aretz HT See Cossai AF
- Arvalos E See Alpern MB
- Arfeen S; Salter RH; Girdwood TG: negative double-contrast barium meal—qualified reassurance, *Clin Radiol* 1987; 38: 49
- Arger P See Thickman D
- Arger PH See Allen KS
- Arger PH See Carlini MJ
- Arger PH See Coleman BG
- Arger PH See Coscina WF
- Arger PH See Cosgrove DO
- Arger PH See Epstein DM
- Arger PH See Fishman MC
- Arger PH See Grumbach K
- Arger PH See Lev-Toaff AS
- Arger PH See Mitchell DG
- Arger PH See Phillips ME
- Arger PH See Rubin JI
- Arger PH See Simpson EL
- Arger PH See Weinreb JC
- Arger PH; Coleman BG; Mintz MC: lower urinary tract computed tomography, *Semin US CT MR* 1986; 7: 287
- Argianan SA See Pappis CH
- Argov Z; Bank WJ; Boden R; et al: phosphorus magnetic resonance spectroscopy of partially blocked muscle glycolysis: an in vivo study of phosphorylcreatine kinase deficiency, *Abstr. Radiology* 1988; 167: 590
- Arias FG; Rodriguez M; Hernandez JG; et al: osteomyelitis deriving from BCG-vaccination, *Pediatr Radiol* 1987; 17: 166
- Arias-Mendoza F See Haseltine FP
- Arias-Mendoza F See Stromski ME
- Ariel I; Vinograd I; Herslag A; et al: Crohn's disease isolated to the appendix: truths and fallacies, *Abstr. Radiology* 1987; 163: 289
- Arienti V See Livraghi T
- Arimura N See Ebara M
- Arimoto H See Akine Y
- Arisa A See Camaril ML
- Arisawa J See Ikezoe J
- Arisawa J See Takashima S
- Aristizabal SA; Woolfitt B; Valencia A; et al: interstitial parametrial implants in carcinoma of the cervix stage II-B, *Int J Radiat Oncol Biol Phys* 1987; 13: 445
- Ariyama J; Shimaguchi S; Suyama M; et al: intraarterial digital subtraction angiography in the diagnosis and treatment of gastrointestinal disorders, *Gastrointest Radiol* 1986; 11: 177
- Ariza A See Bitterman P
- Arkes B See Cosolo W
- Arliet IF; Bargon G; Sigel H: anomalous intrapulmonary vein drainage and pulmonary vein connection in DSA, *Eur J Radiol* 1986; 6: 12
- Arliet J See Fritsch S
- Arlett CF See Henderson LM
- Armanious S See Sailly A
- Armington WG; Harnsberger HR; Osborn AG; et al: radiographic evaluation of brachial plexopathy, *AJNR* 1987; 8: 361
- Armington WG; Harnsberger HR; Smoker WRK; Osborn AG: normal and diseased acoustic pathways: evaluation with MR imaging, *Radiology* 1988; 167: 569
- Armitage DL See Burns RJ
- Armitage JO; Wen B-C: chemotherapy in patients who fail radiotherapy for diffuse aggressive non-Hodgkin's lymphoma, *Int J Radiat Oncol Biol Phys* 1987; 13: 1351
- Armitage NC; Perkins AC; Fimm MV; et al: imaging of bone tumors using a monoclonal antibody raised against human osteosarcoma, *Abstr. Radiology* 1987; 162: 294
- Armstrong J-P See Dumitrescu BE
- Armstrong BA; Perez CA; Simpson JR; et al: role of irradiation in the management of superior vena cava syndrome, *Int J Radiat Oncol Biol Phys* 1987; 13: 531
- Armstrong C See Rezai K
- Armstrong CF; Taylor TV: pancreatic-duct reflux and acute gallstone pancreatitis, *Abstr. Radiology* 1987; 162: 586
- Armstrong D See Vade A
- Armstrong DL See Goddard-Finegold J
- Armstrong E See Weinreb JC
- Armstrong EA See Hayden CK Jr
- Armstrong JD II See Sorenson JA
- Armstrong P See Black WC
- Armstrong P See Calhoun P
- Armstrong P See Gay SB
- Armstrong WF See Markel ML
- Armstrong WF See Petrovic O
- Armstrong WF See Presti CF
- Armstrong WF See Vasey CG
- Armstrong WT See Marx M
- Arnaud O; Boscq M; Asquier E; et al: embryonal rhabdomyosarcoma of the biliary tree in children: case report, *Pediatr Radiol* 1987; 17: 250
- Arndt JW See Mali WPTM
- Arndt RD See Bassett LW
- Arner O See Wallgren A
- Arnetoli G See Taverni N
- Arnett CD; Wolf AP; Shiue C-Y; et al: improved delineation of human dopamine receptors using [¹⁸F]-N-methylspiperidol and PET, *J Nucl Med* 1986; 27: 1878
- Arnett FC; Edworthy SM; Bloch DA; et al: American Rheumatism Association 1987 revised criteria for the classification of rheumatoid arthritis, *Abstr. Radiology* 1988; 169: 885
- Arnold AC; La Masters DL: foraminal expansion by malignant retroorbital lymphoma: CT findings, *JCAT* 1987; 11: 730
- Arnold D See von Gontard A
- Arnold DL See Segebarth CM
- Arnold PG See Fairbrother CM
- Arnold RE: abused "silhouette": reply, *Radiology* 1988; 169: 578
- Arnold RE: manuscript processing at the RSNA publications office, *Radiology* 1986; 158: 267
- Arnold RE: mechanical heart valves: methods of examination, complications, and modes of failure, *Radiology* 1988; 166: 124
- Arnold RE: serpentine (not seriginous) vessels in spinal arteriovenous malformations: reply, *Radiology* 1988; 166: 286
- Arnold S See Gurney JW
- Arnolds BJ; von Reutern G-M: transcranial Doppler sonography, examination technique and normal reference values, *Ultrasound Med Biol* 1986; 12: 115
- Arnott SJ See Duncan W
- Arnott SJ See Price A

- Arnow JR See Spencer RP
- Arns PA See McNeal GR
- Arnsstein NB; Carey JE; Spaulding SA; et al: determination of iodine-125 diagnostic dose for imaging metastatic thyroid cancer, *J Nucl Med* 1986; 27: 1764
- Arnsstein NB; Juni JE; Sisson JC; et al: recurrent medullary carcinoma of the thyroid demonstrated by thallium-201 scintigraphy, *J Nucl Med* 1986; 27: 1564
- Arnsstein NB; Shapiro B: morbid obesity treated by gastroplasty: radionuclide gastric emptying studies: reply, *Radiology* 1986; 159: 816
- Arnsstein NB; Wahl RL; Cochran M; Gyves J: adenocarcinoma of the alimentary tract: peritoneal distribution scintigraphy, *Radiology* 1987; 162: 439
- Aro K See Soiva M
- Aron BS See Ploysongsang S
- Aronberg DJ See Glazer HS
- Aronberg DJ; Peterson RR; Glazer HS; et al: superior diaphragmatic lymph nodes: CT assessment, *JCAT* 1986; 10: 937
- Aronchick JM See Epstein DM
- Aronchick JM; Epstein DM; Gefter WB; Miller WT: chronic traumatic diaphragmatic hernia: the significance of pleural effusion, *Radiology* 1988; 168: 675
- Aronchick JM; Miller WT; Epstein DM; Gefter WB: association of achalasia and pulmonary mycobacterium fortuitum infection, *Radiology* 1986; 160: 85
- Aronchick JM; Rossman MD; Miller WT: chronic beryllium disease: diagnosis, radiographic findings, and correlation with pulmonary function tests, *Radiology* 1987; 163: 677
- Aronchick JM; Wexler JA; Christen B; et al: computed tomography of bronchial carcinoma, *JCAT* 1986; 10: 71
- Aronen H See Karonen S-L
- Aronen HJ; Pamiilo M; Suoranta HT; et al: sonography in differential diagnosis of deep venous thrombosis of the leg, *Acta Radiol* 1987; 28: 457
- Aronen HJ; Torstila L; Vahtera E; et al: decrease of plasma prekallikrein and kallikrein inhibitors during intravenous phlebography, *Eur J Radiol* 1988; 8: 30
- Aronne JL; Braham RL; Riehle R Jr; et al: cost-effectiveness of extracorporeal shock-wave lithotripsy, (ab), *Radiology* 1988; 168: 885
- Aronson J See Alexander JE
- Arora MM See Mohan V
- Arose B; Shreeve WV; Baim RS; et al: phantom gallbladder: variant of the rim sign, *Clin Nucl Med* 1987; 12: 457
- Arriagada R See Tubiana M
- Arrington JA See Nokes SR
- Arrington JA: case of the season, *Semin Roentgenol* 1987; 22: 7
- Arrive L See Bay J-N
- Arrojo Suarez De Centi L See Pombo Felipe F
- Arroyo IL; Barron KS; Brewer EJ Jr: spinal cord compression by epidural lipomatosis in juvenile rheumatoid arthritis, (ab), *Radiology* 1988; 169: 888
- Arthur RJ See Carey BM
- Arthur RJ See Irving HC
- Arthur RJ See Williams CE
- Arthur RJ; Brunelle F: computerized tomography in the evaluation of expansile lesions arising from the skull vault in childhood—a report of 5 cases, *Pediatr Radiol* 1988; 18: 294
- Artun K See Hallgrímsson P
- Aruffo C See Iglesias JR
- Arundel C; Bock S; Brock WA; et al: radiosensitization of primary human tumor cell cultures by N-methylformamide, *Int J Radiat Oncol Biol Phys* 1987; 13: 753
- Arundel CM; Kenney SM; Leith JT; et al: contrasting effects of the differentiating agent sodium butyrate on recovery processes after x-irradiation in heterogeneous human colon tumor cells, *Int J Radiat Oncol Biol Phys* 1986; 12: 959
- Arundel CM; Leith JT: effects of nucleoside analogs and sodium butyrate on recovery from potentially lethal x ray damage in human colon tumor cells, *Int J Radiat Oncol Biol Phys* 1987; 13: 593
- Arundel CM; Leith JT: effects of nutritional state on the expression of radiation injury in two tumor subpopulations obtained from a heterogeneous human colon carcinoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 59
- Arundel CM; Leith JT; Lee ES; et al: potentiation of in vitro cytotoxic effects of misonidazole on human colon tumor cells by the differentiation-inducing agent N-methylformamide, *Int J Radiat Oncol Biol Phys* 1986; 12: 1429
- Aruny JE See Ferraro EM
- Arvin AM See Noorbehesht B
- Arzumanian A See Glant TT
- Arzumanian A See Leclerc JR
- Asaga T; Chiyasu S; Mastuda S; Mastuura H; Kato H; Ishida M; Komaki T: breast imaging: dual-energy projection radiography with digital radiography, *Radiology* 1987; 164: 869
- Asai M See Touho H
- Asakura K See Andoh K
- Asamoto H See Murata K
- Asari S See Yamamoto Y
- Asari S; Yamamoto Y; Satoh T: direct CT demonstration suggesting oculomotor nerve avulsion following minor head trauma: case report, *Comput Radiol* 1987; 11: 131
- Asato R See Fujisawa I
- Asato R See Hackney DB
- Asato R See Nakano Y
- Asato R See Togashi K
- Asbell SO See Filipek MV
- Asbury AK See Goldberg HI
- Asch E See Altman R
- Asche DR See Wolkow HB
- Ascher DP See Glazier CM
- Ascher NL See Dalen K
- Ascher NL See Letourneau JG
- Ascher NL See Loken MK
- Ascher P See Choy DJ
- Ascher SA; Sarkar SD; Spivak WB: hepatic uptake of technetium-99m diisopropyl iminodiacetic acid (DISIDA) is not impaired by very high serum bilirubin levels, *Clin Nucl Med* 1988; 13: 1
- Ascutito RJ; Ross-Ascutito NT; Markowitz RI; Kopf GS; Hellenbrand WE; Fahey JT; Kleinman CS: aneurysms of the right ventricular outflow tract after tetralogy of Fallot repair: role of radiology, *Radiology* 1988; 167: 115
- Ash CJ; Shealy CN; Young PA; et al: thermography and the sensory dermatome, *Skeletal Radiol* 1986; 15: 40
- Ash DV See Collins TM
- Ash DV See Read PE
- Ash JM See Pflaum DH
- Ash JM See Schaub T
- Ashburn W See Renzoni SA
- Ashburn WL See Vasquez TE
- Ashby M See Pacella J
- Ashby MA; Ago CT; Harmer CL: hypofractionated radiotherapy for sarcomas, *Int J Radiat Oncol Biol Phys* 1986; 12: 13
- Ashby MA; Bowen D; Bleehen NM; et al: primary lymphoma of the central nervous system: experience at Addenbrooke's Hospital, Cambridge, *Clin Radiol* 1988; 39: 173
- Ashby MA; Harmer CL; McKinnin JA; et al: case report: infiltrative fibromatosis: rare cause of fatal haemorrhage, *Clin Radiol* 1986; 37: 193
- Ashenburt C See Nguyen T
- Ashford NS; Buxton-Thomas MS; Flower CDR; et al: aerosol lung scintigraphy in the detection of bronchiectasis, *Clin Radiol* 1988; 39: 29
- Ashida C; Fishman EK; Zerhouni EA; et al: computed tomography of hepatic cavernous hemangioma, *JCAT* 1987; 11: 455
- Ashida C; Zerhouni EA; Fishman EK: CT demonstration of prominent right hilar soft tissue collections, *JCAT* 1987; 11: 57
- Ashkenazi J See Feldberg D
- Ashraf A See Tsai FY
- Askenase A See Thickman D
- Ashken AR See Lambrianides AL
- Ashkin FB See Harris RD
- Ashkin FB See Johnson KM
- Aslakson A; Göthlin JH: ultrasonography versus excretory urography: value in urological disease, *Eur J Radiol* 1988; 8: 179
- Asleson RJ See Kaplan PA
- Asling CW See Guillaumin E
- Aso M; Yui Y; Kakishita M: effects of thermal denaturation on the longitudinal relaxation time (T1) of water protons in protein solutions: study of the factors determining the T1 of water protons, *Magn Res Imag* 1988; 6: 17
- Asp AA; Georgitis W; Waldron EJ; et al: fine needle aspiration of the thyroid: use in an average health care facility, (ab), *Radiology* 1988; 166: 913
- Aspden RM See Hickey DS
- Aspelin P See Kullendorff B
- Aspelin P See Pettersson H
- Aspelin P; Nilsson P: 'split-away technique' for percutaneous nephrostomy, *Acta Radiol* 1988; 29: 376
- Aspelin P; Pettersson H; Boijesen E: digital radiography using laser stimulated luminescence for evaluation of urinary calcifications, *Acta Radiol* 1988; 29: 277
- Aspestrand F; Kolbenstedt A: calcifications of the palatine tonsillar region: CT demonstration, *Radiology* 1987; 165: 479
- Aspestrand F; Kolbenstedt A; Boysen M: staging of carcinoma of the palatine tonsils by computed tomography, *JCAT* 1988; 12: 434
- Asquier E See Arnaud O
- Assad WA; Nori D; Hilaris BS; et al: role of brachytherapy in the management of desmoid tumors, *Int J Radiat Oncol Biol Phys* 1986; 12: 901
- Assaf Y See Bloom RA
- Asselain B See Bataini J-P
- Assimakopoulos PA; Boyd DP; Jaschke W; et al: spatial resolution analysis of computed tomographic images, *Invest Radiol* 1986; 21: 260
- Assimos DG See Baker AL
- Assmann PE; Roelandt JRTC: two-dimensional and Doppler echocardiography in acute myocardial infarction and its complications, *Ultrasound Med Biol* 1987; 13: 507
- Assouline E See Dormont D
- Assouline E; Gelbert F; Dormont D; et al: MRI study of dural arteriovenous fistulae draining into the external spinal veins: seven cases, *J Neuroradiol* 1988; 15: 1
- Astafiev VI See Rabkin JE
- Aston JK: computed tomography of obstructive jaundice secondary to duodenal hematoma, *CT* 1986; 10: 171
- Astor MB See Hall EJ
- Astor MB: oxygen concentration and the OER for acutely or chronically thiol deficient cells, *Int J Radiat Oncol Biol Phys* 1986; 12: 1131
- Astrahan MA See Luxton G
- Astrauskas LJ See Rudoff JM
- Astzley MS See Parker KJ
- Atassi G See François A
- Aterman K See Belcourt CL
- Athanasoulis CA See Katsamouris AA
- Athanasoulis CA; Lee AK: algorithms in radiology and medical imaging, *Radiology* 1987; 164: 565
- Atherton JV See Nickoloff EL
- Atthey PA See Sax SL
- Atthey PA; Lauderan JA; King DE: massive congenital solitary nonparasitic cyst of the liver in infancy, *J Ultrasound Med* 1986; 5: 585
- Atthey PA; Malone RS: sonography of ovarian fibromas/thecomas, *J Ultrasound Med* 1987; 6: 431
- Atthey PA; Sax SL; Lamki N; et al: sonography in the diagnosis of hepatic artery aneurysms, *AJR* 1986; 147: 725
- Atthey PA; Siegel ME: sonographic features of Brenner tumor of the ovary, *J Ultrasound Med* 1987; 6: 367
- Atcharkarn V; Kraiphibul P; Clongsusuek P; et al: nasopharyngeal carcinoma: result of treatment with cis-diamminedichloroplatinum II, 5 fluorouracil, and radiation therapy, *Int J Radiat Oncol Biol Phys* 1988; 14: 461
- Atkins DL See Matherne GP
- Atkins F See Van Nostrand D
- Atkins HL See Anais D
- Atkins HL; Oster ZH: visualization of caput medusa in a patient with hepatoma, *Clin Nucl Med* 1986; 11: 591
- Atkinson D See Berger PE
- Atkinson DJ See Edelman RR
- Atkinson GO; Jr; Wyly JB; Gay BB Jr; et al: idiopathic fibrosing pancreatitis: a cause of obstructive jaundice in childhood, *Pediatr Radiol* 1988; 18: 28
- Atkinson GO Jr; Zaatar GS; Lorenzo RL; et al: cystic neuroblastoma in infants: radiographic and pathologic features, *AJR* 1986; 146: 113
- Atkinson JB See Virmani R
- Atlan H; Sigal R; Hadar H; et al: nuclear magnetic resonance proton imaging of bone pathology, *J Nucl Med* 1986; 27: 207
- Atlas SW See Barkovich AJ
- Atlas SW See Bilaniuk LT
- Atlas SW See Grossman RI
- Atlas SW See Hackney DB
- Atlas SW See Regenbogen VS
- Atlas SW: intracranial vascular malformations and aneurysms: current imaging applications, *Radiol Clin North Am* 1988; 26: 821
- Atlas SW; Bilaniuk LT; Zimmerman RA; Hackney DB; Goldberg HI; Grossman RI: orbit: initial experience with surface coil spin-echo MR imaging at 1.5 T, *Radiology* 1987; 164: 501
- Atlas SW; Grossman RI; Axel L; Hackney DB; Bilaniuk LT; Goldberg HI; Zimmerman RA: orbital lesions: proton spectroscopic phase-dependent contrast MR imaging, *Radiology* 1987; 164: 510
- Atlas SW; Grossman RI; Goldberg HI; et al: MR diagnosis of acute disseminated encephalomyelitis, *JCAT* 1986; 10: 798
- Atlas SW; Grossman RI; Goldberg HI; Hackney DB; Bilaniuk LT; Zimmerman RA: partially thrombosed giant intracranial aneurysms: correlation of MR and pathologic findings, *Radiology* 1987; 162: 111
- Atlas SW; Grossman RI; Gomori JM; et al: MR imaging of intracranial metastatic melanoma, *JCAT* 1987; 11: 577
- Atlas SW; Grossman RI; Gomori JM; Hackney DB; Goldberg HI; Zimmerman RA; Bilaniuk LT: hemorrhagic intracranial malignant neoplasms: spin-echo MR imaging, *Radiology* 1987; 164: 71

- Atlas SW; Grossman RI; Hackney DB; et al: calcified intracranial lesions: detection with gradient-echo-acquisition rapid MR imaging. *AJNR* 1988; 9: 253
- Atlas SW; Grossman RI; Hackney DB; et al: STIR MR imaging of the orbit. *AJNR* 1988; 9: 969
- Atlas SW; Grossman RI; Packer RJ; et al: magnetic resonance imaging diagnosis of disseminated necrotizing leukoencephalopathy. *CT* 1987; 11: 39
- Atlas SW; Grossman RI; Savino FJ; et al: internuclear ophthalmoplegia: MR-anatomic correlation. *AJNR* 1987; 8: 243
- Atlas SW; Grossman RI; Savino FJ; et al: surface-coil MR of orbital pseudotumor. *AJNR* 1987; 8: 141
- Atlas SW; Kemp SS; Rorke L; et al: hemorrhagic intracranial retinoblastoma metastases: MR-pathology correlation. *JCAT* 1988; 12: 286
- Atlas SW; Mark AS; Fram EK: aqueductal stenosis: evaluation with gradient-echo rapid MR imaging. *Radiology* 1988; 169: 449
- Atlas SW; Mark AS; Fram EK; Grossman RI: vascular intracranial lesions: applications of gradient-echo MR imaging. *Radiology* 1988; 169: 455
- Atlas SW; Mark AS; Grossman RI; Gomori JM: intracranial hemorrhage: gradient-echo MR imaging at 1.5 T. comparison with spin-echo imaging and clinical applications. *Radiology* 1988; 168: 803
- Atlas SW; Zimmerman RA; Bilaniuk LT; Rorke L; Hackney DB; Goldberg HI; Grossman RI: corpus callosum and limbic system: neuroanatomic MR evaluation of developmental anomalies. *Radiology* 1986; 160: 355
- Atlas SW; Zimmerman RA; Bruce D; et al: neurofibromatosis and agenesis of the corpus callosum in identical twins: MR diagnosis. *AJNR* 1988; 9: 598
- Atomi Y See Itai Y
- Atomi Y See Kokubo T
- Atrash HK; Friede A; Hogue CJR: ectopic pregnancy mortality in the United States, 1970-1983. (ab). *Radiology* 1988; 167: 884
- Atri M See Bret PM
- Atri M See Herba MJ
- Atri M; Robertson WD; Durity FA; et al: actinomycotic granuloma of the trigeminal ganglion. *AJNR* 1987; 8: 167
- Attie M See Wortman JA
- Attix FH See Sibata CH
- Attum AA; Johnson GS; Maari Z; et al: malignant clinical behavior of cardiac myxomas and "myxoid liposarcomas". (ab). *Radiology* 1988; 166: 912
- Aubanel D See Brunet JN
- Aubé L; Vallières M; Lemay M: lesions en beignet de la voûte crânienne: une dysplasie osseuse héréditaire. *J Canad Assoc Radiol* 1988; 39: 204
- Aubin ML See Le Bihan D
- Aubin ML; Baleriaux D; Cosnard G; et al: MRI in syringomyelia of congenital, infectious, traumatic or idiopathic origin: a study of 142 cases. *J Neuroradiol* 1987; 14: 313
- Aucoin R See Kloiber R
- Audet L See Balnes CJ
- Audisio RA; Bozzetti F; Severini A; et al: occurrence of cholangitis after percutaneous biliary drainage: evaluation of some risk factors. (ab). *Radiology* 1988; 169: 286
- Aufferdeide AC See Notman DNH
- Auffermann W See Squillaci E
- Auffermann W; Camacho A; Wu S; et al: ^{31}P and ^1H magnetic resonance spectroscopy of acute alcohol cardiac depression in rats. *Magn Res Med* 1988; 8: 58
- Auffermann W; Clark OH; Thurnher S; Galante M; Higgins CB: recurrent thyroid carcinoma: characteristics on MR images. *Radiology* 1988; 168: 753
- Auffermann W; Geisel T; Wohltmann D; et al: tissue reaction following endobronchial application of ipomideol and ioxithalamate in rats. *Eur J Radiol* 1988; 8: 13
- Auffermann W; Gooding GAW; Okerlund MD; et al: diagnosis of recurrent hyperparathyroidism: comparison of MR imaging and other imaging techniques. *AJR* 1988; 150: 1027
- Auffermann W; Olsson P; Stoney R; et al: MR imaging of complications of aortic surgery. *JCAT* 1987; 11: 982
- Auffray JP See Martin C
- Aufrecht D See Bluth EI
- Aufrecht D See Cole-Beuglet CM
- Aufrecht D See Milne ENC
- Aufrecht D; Lottenberg S; Hoefs J; Ferrari LA; Friedenberg RM; Kanel G; Cole-Beuglet CM; Leeman S: frequency-demodulated US: evaluation in the liver. work in progress. *Radiology* 1986; 160: 59
- Auger MJ; Critchley M; McVerry BA: unusual presentation of a large infected hemophilic pseudotumor in an autologous indium-111 WBC scan. *Clin Nucl Med* 1986; 11: 568
- Aughenbaugh GL See Brown LR
- Aughenbaugh GL See Zerhouni EA
- Augsburger JJ See Gomori JM
- Augsburger JJ See Feyster RG
- August CS See Rao VM
- August D See Taylor CR
- Auguste LJ See Charadavoyne R
- Augustine S See Baumgartner WA
- Augustine SC See Witte RJ
- Augustiny N See von Schulthess GK
- Augustiny N; von Schulthess GK; Meier D; et al: MR imaging of large nonferromagnetic metallic implants at 1.5 T. *JCAT* 1987; 11: 678
- Augustyn GT; D'Amour PG; Scott JA; et al: thrombus simulating flow void: a pitfall in diagnosing aqueductal patency by high-field MR imaging. *AJNR* 1987; 8: 1139
- Auh Y See Henschke CI
- Auh YH See Kim KW
- Auh YH See Kneeland JB
- Auh YH See Rubenstein WA
- Auh YH See Zirinsky K
- Auh YH; Anand J; Zirinsky K; et al: adrenal hemangioma: case report. *CT* 1986; 10: 57
- Auh YH; Rubenstein WA; Markiz JA; Zirinsky K; Whalen JP; Kazam E: intraperitoneal paravesical spaces: CT delineation with US correlation. *Radiology* 1986; 159: 311
- Auh YH; Rubenstein WA; Schneider M; Reckler JM; Whalen JP; Kazam E: extraperitoneal paravesical spaces: CT delineation with US correlation. *Radiology* 1986; 159: 319
- Auque J See Bracard S
- Aurbach GD See Miller DL
- Auslander L See Outfield E
- Auster M See Lowe FC
- Auster M See Murray RR Jr
- Austin AR See Lecklitner MJ
- Austin CB; Young JWR; Park HJ; Needleman BW; Handwerker BS; Rosenbaum RC: massive osteosteolysis in adult T-cell leukemia/lymphoma. *Radiology* 1987; 164: 787
- Austin HA III See Doppman JL
- Austin JC See Isdale JM
- Austin JHM See Galuten A
- Austin JHM See Marin ML
- Austin JHM See Peterson MW
- Austin JHM See Sonnenblick EB
- Austin JHM: invagination of the left subclavian artery into the left upper lobe—normal variant. *Comput Radiol* 1986; 10: 127
- Austin JHM: left minor fissure. *Radiology* 1986; 161: 433
- Austin JHM; Grimes MM; Carberry D: CT detection of calcified nodal metastases of lung adenocarcinoma. *JCAT* 1988; 12: 314
- Austin RM See Crivello MS
- Austin RM See Porter DH
- Austin RM See Wargotz ES
- Austin RM; Sussman S; McArdle CR; et al: case report: computed tomographic and ultrasound appearances of a solitary intrahepatic choledochal cyst. *Clin Radiol* 1986; 37: 149
- Austin-Seymour M See Slater JD
- Austin-Seymour MM; Chen GTY; Castro JR; et al: dose volume histogram analysis of liver radiation tolerance. *Int J Radiat Oncol Biol Phys* 1986; 12: 31
- Auth D See Ahn SS
- Authier B: reactive hyperemia monitored on rat muscle using perfluorocarbons and ^{19}F NMR. *Magn Res Med* 1988; 8: 80
- Auvray H See Ng Ying Kin NYK
- Avallone A See Hricak H
- Avallone E; De Nayer P; Beckers C: diagnostic value of free triiodothyronine in serum. *J Nucl Med* 1986; 27: 1702
- Avasthi PS See Greene ER
- Averbuch M See Halpern Z
- Avery G See Bunas R
- Avery GR: case report: metastatic adenocarcinoma masquerading as a psoas abscess. *Clin Radiol* 1988; 39: 319
- Avery ME; Tooley WH; Keller JB; et al: is chronic lung disease in low birth weight infants preventable? a survey of eight centers. (ab). *Radiology* 1987; 164: 295
- Aviles J See Vallancien G
- Avni EF See Lalmand B
- Avni EF See Matos C
- Avni EF See Zalzman M
- Avni EF; Rodesch F; Schulman CC: fetal uropathies: diagnostic pitfalls and management. (ab). *Radiology* 1986; 159: 571
- Avni EF; Thous Y; Lalmand B; et al: multicystic dysplastic kidney: natural history from in utero diagnosis and postnatal followup. (ab). *Radiology* 1988; 167: 885
- Avni EF; Thous Y; Van Gansbeke D; Matos C; Didier F; Droulez P; Schulman CC: development of the hypodysplastic kidney: contribution of antenatal US diagnosis. *Radiology* 1987; 164: 123
- Avni EF; Vanderlost A; Van Gansbeke D; et al: antenatal diagnosis of pulmonary tumours: report of two cases. *Pediatr Radiol* 1986; 16: 190
- Avni EF; Van Gansbeke D; Rodesch F; et al: sonographic demonstration of malabsorption in neonates. *J Ultrasound Med* 1986; 5: 85
- Avni EF; Van Gansbeke D; Thous Y; et al: US demonstration of pyelitis and ureteritis in children. *Pediatr Radiol* 1988; 18: 134
- Avni F See Lemaitre L
- Avolio RE See Hindman BW
- Avrahami E; Chen Z; Solomon A: modern high resolution computed tomography (CT) diagnosis of longitudinal fractures of the petrous bone. *Neuroradiol* 1988; 30: 166
- Avrahami E; Herskovitz PJ; Cohn DF: magnetic resonance imaging of syringomyelia occurring after operation on spinal intramedullary tumours by Cavitron ultrasonic aspirator. *Br J Radiol* 1987; 60: 701
- Avram H See Crooks LE
- Avruch L See Pettigrew RJ
- Awaya S See Kobayashi T
- Awazu M; Shimizu M; Hojo H; et al: percutaneous transluminal angioplasty for renovascular hypertension. (ab). *Radiology* 1986; 160: 288
- Awad EE See Sundaram M
- Awad EE; Archer CR; Krebs FJ: parathyroid adenomas: computed tomographic imaging and the importance of preoperative localization. *Comput Med Imag Graph* 1988; 12: 305
- Awad EE; Backer R; Archer CR: imaging of an intraspinal cervical dermoid tumor by MR, CT, and sonography. *Comput Radiol* 1987; 11: 169
- Awad HK; el Naggar M; Mocktar N; et al: intercapillary distance measurement as an indicator of hypoxia in carcinoma of the cervix uteri. *Int J Radiat Oncol Biol Phys* 1986; 12: 1329
- Ax L See Chafetz NI
- Axel I See Atlas SW
- Axel I See Ebner F
- Axel I See Gefter WB
- Axel I See Mezrich RS
- Axel I See Mintz MC
- Axel I See Mitchell DG
- Axel I See Mitchell MD
- Axel I See Phillips ME
- Axel I See Rao VM
- Axel I See Schiebler M
- Axel I See Spritzer CE
- Axel I See Summers RM
- Axel I See Thickman D
- Axel I: revised glossary of MR terms. *Radiology* 1987; 162: 874
- Axel I; Costantini J; Listerud J: intensity correction in surface-coil MR imaging. *AJR* 1987; 148: 418
- Axel I; Morton D: MR flow imaging by velocity-compensated/uncompensated difference images. *JCAT* 1987; 11: 31
- Axel I; Shimakawa A; MacFall JR: time-of-flight method of measuring flow velocity by magnetic resonance imaging. *Magn Res Imag* 1986; 4: 199
- Axel I; Summers RM; Kressel HY; Charles C: respiratory effects in two-dimensional Fourier transform MR imaging. *Radiology* 1986; 160: 795
- Axelrod M See Fine EJ
- Axelsson B See Maki P
- Axelsson B See Stenke L
- Axelsson B; Jacobsson H: quantitative single photon emission computed tomography applied to a comparison of propanetetrathosphonate and albumin colloid for liver and spleen scintigraphy. *Acta Radiol* 1988; 29: 321
- Axley PL See Earnest FIV
- Axley PL See Forbes G
- Ayala A See Capanna R
- Ayala AG See Edeiken J
- Ayala AG See Seider MJ
- Ayers AB See Keeling FF
- Ayers DC; Everts CM; Parkinson JR: prevention of heterotopic ossification in high-risk patients by low-dose radiation therapy after total hip arthroplasty. (ab). *Radiology* 1987; 163: 839
- Ayers JTW; DeGroot RM; Compton AA; et al: sonographic evaluation of cervical length in pregnancy: diagnosis and management of preterm cervical effacement in patients at risk for premature delivery. (ab). *Radiology* 1988; 169: 882
- Aygun C See Sewchand W
- Aylsworth AS See Stevenson RE
- Aymard A; Merland JJ; Rufenacht D; et al: endovascular treatment of aneurysms of the terminal vertebral artery. *J Neuroradiol* 1987; 14: 1
- Ayres JG; Hicks BH; Maisey MN: gallium-67 uptake in meningioid sarcomas. *Clin Nucl Med* 1986; 11: 507
- Ayres SM See Rich S
- Ayre-Smith G: fentanyl and midazolam: an alternative to diazepam. *Radiology* 1987; 164: 285
- Ayuso MC; Gilibert R; Bombi JA; et al: CT appearance of localized pulmonary amyloidosis. *JCAT* 1987; 11: 197

- Ayyangar JM See Palta JR
 Ayyar DR See Quencer RM
 Ayyash K See Abu-Nema T
 Azais I See Alcala M
 Azaria M See Mekhmandarov S
 Azar-Kia B See Naheedy MH
 Azar-Kia B; Naheedy MH; Elias DA; et al: optic nerve tumors: role of magnetic resonance imaging and computed tomography. *Radiol Clin North Am* 1987; 25: 561
 Azis E See Fischer AQ
 Aznarez A See Brown ML
 Azodo MVU See Gonda RL Jr
 Azouy R; Abrashkin S; Weininger J; et al: proton MR properties of lyophilized urine samples from normal and stone former individuals. *Magn Res Imag* 1988; 6: 49
 Azouz EM See Kozlowski K
 Azouz EM See Lander PH
 Azouz EM See Paltiel HJ
 Azouz EM: case report 418. *Skeletal Radiol* 1987; 16: 236
 Azouz EM: le poumon (the lung). vol. 3 of cahiers de radiologie (notebooks of radiology). *Radiology* 1986; 159: 400
 Azouz EM; Costa T; Fitch N: radiologic findings in the Proteus syndrome. *Pediatr Radiol* 1987; 17: 481
 Azouz EM; Kozlowski K; Marton D; et al: osteoid osteoma and osteoblastoma of the spine in children: report of 22 cases with brief literature review. *Pediatr Radiol* 1986; 16: 25
 Azuaga A See Ziliani M
 Azuma M See Kashiwagi T
 Azzam CJ See Nabors MW
 Azzam EI See Rasphorst GP

B

- Baarsma R; Laurini RN; Baerts W; et al: reliability of sonography in non-hemorrhagic periventricular leucomalacia. *Pediatr Radiol* 1987; 17: 189
 Baarsma R; Martin J; Okken A: missing pericallosal artery on sonography: sign of agenesis of the corpus callosum in the neonatal brain? *Neuroradiol* 1987; 29: 47
 Balth L See Fork F-T
 Baba M See Komiyama M
 Babaijan RJ See Zagars GK
 Babaijan RJ; Murray JL; Lamki LM; et al: radioimmunological imaging of metastatic prostatic cancer with ¹¹¹indium-labeled monoclonal antibody PAY 276. (ab). *Radiology* 1987; 164: 883
 Babajews AV See Lyons AJ
 Babaria A See Davis PS
 Babaria A See Yang DC
 Babbler RW; Jackson DE; Conte FA: technetium-99m MDP accumulation in a nonmalignant pleural effusion. *Clin Nucl Med* 1988; 13: 298
 Babchuk WI See Taylor DW Jr
 Babcock DS See Kirks DR
 Babcock DS See Kraus R
 Babcock DS: sonography of congenital malformations of the brain. *Neuroradiol* 1986; 28: 428
 Babcock DS: sonography of wall thickening of the renal collecting system: nonspecific finding. *J Ultrasound Med* 1987; 6: 29
 Babcock DS; Bove KE; Hug G; et al: fetal mucopolipidosis II (I-cell disease): radiologic and pathologic correlation. *Pediatr Radiol* 1986; 16: 32
 Babcock DS; Han BK; Dine MS: sonographic findings in infants with macrocrania. *AJNR* 1988; 9: 307
 Babcock DS; Han BK; Dine MS: sonographic findings in infants with macrocrania. *AJR* 1988; 150: 1359
 Babcock EE See Ewy CS
 Baber R; Porter R; Pickett R; et al: transvaginal ultrasound directed oocyte collection for in vitro fertilization: successes and complications. *J Ultrasound Med* 1988; 7: 377
 Baber WW; Numaguchi Y; Nadell JM; et al: eosinophilic granuloma of the cervical spine without vertebral plana. *CT* 1987; 11: 346
 Babgen S See Yujin W
 Babic UU; Pejic P; Djuricic Z; et al: percutaneous transarterial balloon valvuloplasty for mitral valve stenosis. (ab). *Radiology* 1986; 161: 861
 Babu SC See Kotval PS
 Babyn PS; Chuang SH; Daneman A; et al: sonographic evaluation of spinal cord birth trauma with pathologic correlation. *AJNR* 1988; 9: 765
 Bach D See Lao A
 Bach D See Taucer F
 Bach DB: single-contrast examination of the duodenum following enteroclysis. *J Canad Assoc Radiol* 1987; 38: 224
 Bach MC; Bagwell SP; Masur H: utility of gallium imaging in the diagnosis of mycobacterium avium-intracellular infection in patients with the acquired immunodeficiency syndrome. *Clin Nucl Med* 1986; 11: 175
 Bacha L See Brahimi L
 Bacha L See Kozlowski K
 Bacharach SL; Green MV; Bonow RO; et al: effect of energy window on cardiac ejection fraction. *J Nucl Med* 1988; 29: 385
 Bachelot F See Delouche G
 Bacher JD See Miller DL
 Bachert-Baumann P See Semmler W
 Bach-Gansmo T See Lilleas F
 Bach-Gansmo T See Maly P
 Bachica JA See Mark AS
 Bachofen H; Bachofen M; Weibel ER: ultrastructural aspects of pulmonary edema. *J Thorac Imag* 1988; 3-3: 1
 Bachofen M See Bachofen H
 Bacit G; Niesman MR; Bennett HF; et al: modulation of water proton relaxation rates by liposomes containing paramagnetic materials. *Magn Res Med* 1988; 6: 445
 Backer CL; Shields TW; Lockhart CG; et al: selective preoperative evaluation for possible N2 disease in carcinoma of the lung. (ab). *Radiology* 1987; 165: 587
 Backer R See Awwad EE
 Backhouse TW: treatment of malignant tumours of the maxillary antrum. *Clin Radiol* 1986; 37: 179
 Backman U See Hoddick WK
 Badami JP; Baker RA; Scholz FJ; McLaughlin M: outpatient metrizamide myelography: prospective evaluation of safety and cost effectiveness. *Radiology* 1986; 158: 175
 Badawi MG See Hawass ND
 Baddeley H See Singharoen T
 Baddeley H; Saltzman GR: radiology in developing countries: a survey of radiological resources in the South Pacific Islands (presented to the 36th RACR Annual General Meeting in Brisbane, October 1985). *Australas Radiol* 1987; 31: 228
 Baddeley H; Singharoen T; Benson M; et al: radiological diagnosis of mass lesions in the liver. *Australas Radiol* 1987; 31: 170
 Badenhorst PN See Lotter MG
 Bader B; Graham D; Stinson S: significance of ultrasound measurements of the head of the breech fetus. *J Ultrasound Med* 1987; 6: 437
 Bader R See Zabel H-J
 Badger RS See Brown BG
 Badhey MR See Schulman ML
 Badimon JJ See Vallabhaiojula S
 Badlani G; Eshghi M; Smith AD: percutaneous surgery for ureteropelvic junction obstruction (endopyelotomy): technique and early results. (ab). *Radiology* 1986; 159: 821
 Badlani GH See Lee WJ
 Badoz A See Dietemann JL
 Bae Y See Richmond J
 Baer JE See Munn CS
 Baer KA See Koch CJ
 Baer T; Gore JC; Boyce S; et al: application of MRI to the analysis of speech production. *Magn Res Imag* 1987; 5: 1
 Baert A See Casselman J
 Baert AL See Ceuterich L
 Baert AL See Marchal JF
 Baert AL See Oyen RH
 Baert AL See Van Hecke PE
 Baert AL See Wilms GE
 Baert L; Leonard A; D'Hoedt M; et al: seminal vesiculography in chronic bacterial prostatitis. (ab). *Radiology* 1987; 163: 290
 Baert LV See Oyen RH
 Baerts W See Baarsma R
 Baerts W; Meradji M: cranial ultrasound in preterm infants: long-term follow-up. (ab). *Radiology* 1986; 158: 574
 Baeten C See Goei R
 Baetz-Greenwalt B; Debas B; Kumar ML: bladder fungus ball: a reversible cause of neonatal obstructive uropathy. (ab). *Radiology* 1988; 169: 888
 Baerumler GR See Joo KG
 Baeza MR; Solé J; León A; et al: conservative treatment of early breast cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 669
 Bagchi A See Tauxe WN
 Bagg MNJ; Horwitz TA; Bester L: comparison of patient responses to high- and low-osmolality contrast agents injected intravenously. *AJR* 1986; 147: 185
 Baglioni S See Gattinoni L
 Bagin JW See Yoo JHK
 Bagne F; Dobelbower RR: modified mesh panel for radiation therapy treatment table. *Radiology* 1987; 163: 579
 Bagshaw MA See Pilepich MV
 Bagshaw MA See von Esen CF
 Bagshaw MA: current conflicts in the management of prostatic cancer. *Int J Radiat Oncol Biol Phys* 1986; 12: 1721
 Bagwell SP See Bach MC
 Bahakim HM See Saad AH
 Bahar H See Ziesman HA
 Bahar RH See Abdel-Dayem HM
 Bahar RH See Al-Suhaili AR
 Bahar RH See Al-Sultan S
 Bahar RH; Abdel-Dayem HM; Ziada G; et al: phase abnormalities in right heart studies: demonstration of six different patterns. *Clin Nucl Med* 1987; 12: 185
 Bahar RH; Al-Mohannadi S; Wafai I; et al: acute intrahepatic biliary obstruction caused by hydatid cysts: correlation between various imaging techniques. *Clin Nucl Med* 1988; 13: 334
 Bahar RH; Al-Suhaili AR; Mousa AM; et al: brucellosis: appearance on skeletal imaging. *Clin Nucl Med* 1988; 13: 102
 Bahia JO; Boal DKB; Karl SR; et al: ultrasonographic detection of spontaneous perforation of the extrahepatic bile ducts in infancy. *Pediatr Radiol* 1986; 16: 157
 Bahk YW; Kim OH; Chung SK: pinhole collimator scintigraphy in differential diagnosis of metastasis, fracture, and infections of the spine. *J Nucl Med* 1987; 28: 447
 Bahk YW; Lee JM: measure-set computed tomographic analysis of internal architectures of lumbar disc: clinical and histologic studies. *Invest Radiol* 1988; 23: 17
 Bahn DK; Brown RKJ; Reidinger AA; et al: renal stone ileus. *AJR* 1988; 150: 145
 Bahn RC See Errabolu RL
 Bahn RC See Sehgal CM
 Bahnson RR See Andriole GL
 Bahrasa F; Ampil F: posttreatment ureteral obstruction in invasive carcinoma of uterine cervix. *Int J Radiat Oncol Biol Phys* 1987; 13: 23
 Bahren W See Sigmund G
 Bai L-Q See Shiue C-Y
 Baijari P; Förster C; Fendel H; et al: magnetic resonance imaging of normal and pathological white matter maturation. *Pediatr Radiol* 1988; 18: 183
 Baijari P; Markl A; Thelen M; et al: MR imaging in Aicardi syndrome. *AJNR* 1988; 9: 805
 Baigelman W See Jederlinic PJ
 Baile EM See Wilcox P
 Bailey BJ See McArdle CB
 Bailey DL See Butler SP
 Bailey DL; Hutton BF; Walker JF: improved SPECT using simultaneous emission and transmission tomography. *J Nucl Med* 1987; 28: 844
 Bailey GD See Wall SD
 Bailey LL See Toomey FB
 Bailey MJ; Williams JE; Riddle PR: metastatic deposits from a previously treated carcinoma of the lung presenting as a renal cell carcinoma. *Br J Radiol* 1986; 59: 333
 Bailey TM See Lewall DB
 Bailey WC See Sanders C
 Baillet F See Housset M
 Bain RS See Arose B
 Baines CJ; McFarlane DV; Wall C: audit procedures in the national breast screening study: mammography interpretation. *J Canad Assoc Radiol* 1986; 37: 256
 Baines CJ; Miller AB; Wall C; McFarlane DV; Simor IS; Jong R; Shapiro BJ; Audet L; Petticlerc M; Ouimet-Oliva D; Ladouceur J; Hebert G; Minak T; Hardy G; Standing HK: sensitivity and specificity of first screen mammography in the Canadian National Breast Screening Study: preliminary report from five centers. *Radiology* 1986; 160: 295
 Bair JH; Russ PD; Pretorius DH; et al: fetal omphalocele and gastrochisis: review of 24 cases. *AJR* 1986; 147: 1047
 Bair TL See Haug PJ
 Bairamian D; Di Chiro G; Blume H; et al: pituitary adenoma with seizures: PET demonstration of reduced glucose utilization in the medial temporal lobe. *JCAT* 1986; 10: 529
 Baird RN See Jeans WD
 Baisden CE See Orzel JA
 Bajajian RL; Swayne LC; Buhlinger C: wandering spleen: the use of decubitus views during hepatic imaging. *Clin Nucl Med* 1988; 13: 66
 Bajajian RL; Swayne LC; McLaughlin MG; et al: duodenal-pericardial fistula caused by a duodenal ulcer. *AJR* 1988; 151: 315
 Bajetta E; Valagussa P; Bonadonna G; et al: combined modality treatment for stage I-II non-Hodgkin's lymphomas: CVP versus BACOP chemotherapy. *Int J Radiat Oncol Biol Phys* 1988; 15: 3
 Bakal CW See Berman HL
 Baker A; Volberg F; Sumner T; et al: childhood Menetrier's disease: four new cases and discussion of the literature. *Gastrointest Radiol* 1986; 11: 131
 Baker AL See Zagoria RJ

- Baker AL; Cowan RJ; Assimos DG: urinoma detected by dual isotope renogram-cystogram. *Clin Nucl Med* 1987; 12: 258
- Baker AR; Evans DH; Prytherch DR; et al: some failings of pulsatility index and damping factor. *Ultrasound Med Biol* 1986; 12: 875
- Baker AR; Prytherch DR; Evans DH; et al: Doppler ultrasound assessment of the femoro-popliteal segment: comparison of different methods using ROC curve analysis. *Ultrasound Med Biol* 1986; 12: 473
- Baker DE See Buckwalter KA
- Baker DE See Rebnar M
- Baker DE; Glazer GM; Francis IR: adrenal magnetic resonance imaging in Addison's disease. *Urol Radiol* 1988; 9: 199
- Baker DE; Silver TM; Coran AG; McMillin KI: postappendectomy fluid collections in children: incidence, nature, and evolution evaluated using US. *Radiology* 1986; 161: 341
- Baker DH See Abramson SJ
- Baker DH See Grumbach K
- Baker DH See Singston RD
- Baker DH; Griscom NT; Miller JH; Slovits TL: pediatric radiology. RSNA '87 meeting notes. *Radiology* 1988; 166: 601
- Baker HL Jr See Larson TC III
- Baker HL Jr See Miller GM
- Baker J; Ali A; Groch MW; et al: bone scanning in pregnant patients with breast carcinoma. *Clin Nucl Med* 1987; 12: 519
- Baker JD See Bluth EI
- Baker KF See Pile-Spellman JMD
- Baker KR See Wright LL
- Baker KS; Bezirjian DR; Tisnado J; et al: cervical aortic arch: case report with a 12-year follow-up. *J Canad Assoc Radiol* 1987; 38: 302
- Baker KS; Sawyer RW; Tisnado J; Cho S-R: percutaneous transluminal angioplasty of the renal arteries: double-catheter technique. *Radiology* 1986; 159: 554
- Baker KS; Tisnado J; Cho S-R; Beachley MC: splanchnic artery aneurysms and pseudoaneurysms: transcatheter embolization. *Radiology* 1987; 163: 135
- Baker L See Martin JF
- Baker LL See Hajek PC
- Baker LL; Hajek PC; Bjorkengren A; et al: high-resolution magnetic resonance imaging of the wrist: normal anatomy. *Skeletal Radiol* 1987; 16: 128
- Baker LL; Hajek PC; Burkhard TK; et al: polyorchidism: evaluation by MR. *AJR* 1987; 148: 305
- Baker LL; Hajek PC; Burkhard TK; Dicapua L; Leopold GR; Hesselink JR; Mattrey RF: MR imaging of the scrotum: normal anatomy. *Radiology* 1987; 163: 89
- Baker LL; Hajek PC; Burkhard TK; Dicapua L; Landa HM; Leopold GR; Hesselink JR; Mattrey RF: MR imaging of the scrotum: pathologic conditions. *Radiology* 1987; 163: 93
- Baker LL; Stevenson DK; Enzmann DR: end-stage periventricular leukomalacia: MR evaluation. *Radiology* 1988; 168: 809
- Baker M: anechoic abdominal mass on ultrasound. *Semin Roentgenol* 1988; 23: 143
- Baker MD See Kulick RM
- Baker ME See Chiles C
- Baker ME See Cohan RH
- Baker ME See Illiescas FF
- Baker ME See Johnson CD
- Baker ME See Munechika H
- Baker ME See Silverman PM
- Baker ME See Susman SK
- Baker ME See Wiener MD
- Baker ME See Yankes JR
- Baker ME; Kay H; Mahony BS; et al: sonography of the low transverse incision, cesarean section: a prospective study. *J Ultrasound Med* 1988; 7: 389
- Baker ME; Martinez S; Kier R; et al: high resolution computed tomography of the cadaveric sternoclavicular joint: findings in degenerative joint disease. *CT* 1988; 12: 13
- Baker ME; Silverman PM; Halvorsen RA Jr; et al: computed tomography of masses in periporal/hepatoduodenal ligament. *JCAT* 1987; 11: 258
- Baker ME; Spritzer CE; Blinder R; Herfkens RJ; Leigh GS; Dunnick NR: benign adrenal lesions mimicking malignancy on MR imaging: report of two cases. *Radiology* 1987; 163: 669
- Baker ME; Ungerleider R; Cooper C; et al: computed tomography of a traumatic, diaphragmatic, Richter's hernia: findings mimicking an abscess. *CT* 1988; 12: 42
- Baker ME; Weinerth JL; Andriani RT; et al: lumbar hernia: diagnosis by CT. *AJR* 1987; 148: 565
- Baker MK See Cory DA
- Baker MK See King BF
- Baker MK See Kopecky KK
- Baker MK; Schauwecker DS; Wenker JC; et al: nuclear medicine evaluation of focal fatty infiltration of the liver. *Clin Nucl Med* 1986; 11: 503
- Baker ND; Greenspan A; Neuwirth M: symptomatic vertebral hemangiomas: report of four cases. *Skeletal Radiol* 1986; 15: 458
- Baker RA See Badami JP
- Baker RJ See Fornasiero D
- Baker SR See Kravetz GW
- Baker SR; Rabin A; Lantos G; et al: effect of restricting the indications for lumbosacral spine radiography in patients with acute back symptoms. *AJR* 1987; 149: 535
- Baker SR; Stein HD: radiologic consultation: its application to an acute care surgical ward. *AJR* 1986; 147: 637
- Baker SR; Tartell J; Lawrence C; et al: radiographic abnormalities in coagulation factor VII deficiency. *J Canad Assoc Radiol* 1987; 38: 64
- Baker TW See Hoffman SM
- Bakke A; Goethlin J; Hoisaeter PA: renal malignancies: outcome of patients in stage 4 with or without embolization procedure. (ab). *Radiology* 1986; 159: 571
- Bakke SJ See Nakstad PH
- Bakke SJ See Wester K
- Bakke SJ; Nakstad PH; Aakhus T: intravenous digital subtraction angiography of the precerebral and cerebral arteries in patients with TLA: a comparison with conventional angiography. *Eur J Radiol* 1988; 8: 140
- Bakker CJG See de Graaf CN
- Bakker CJG See Sijens FE
- Bakker CJG; de Graaf CN: precision in calculated ρ_1 and ρ_2 images as a function of data analysis method. *Magn Res Imag* 1988; 6: 3
- Bakker W See Mallens WMC
- Bakkers JTN See van Weelde BJG
- Bal S See Sarda AK
- Balaban EP; Simon TR; Frenkel EP: toxicity of indium-111 on the radiolabeled lymphocyte. *J Nucl Med* 1987; 28: 229
- Balaban RS See Ewy CS
- Balaban RS See Hsieh PS
- Balachandran S See Behjati K
- Balachandran S See McGuire EL
- Balachandran S See Winsett MZ
- Balachandran S; Anguaco TL; Shah HR; et al: incidental hydropneumothorax on bone scintigraphy: sonographic verification. (ab). *Radiology* 1986; 158: 658
- Balachandran S; Boyd CM; Husain MM; et al: indium-111 leukocyte uptake in neoplasms. *Clin Nucl Med* 1987; 12: 920
- Balase H See Zalcm M
- Balashubramaniam P See Kumar VP
- Balashubramaniam N See Acio ER
- Balconi G; Angeli E; Nessi R; et al: ultrasonographic evaluation of Peyronie's disease. *Urol Radiol* 1988; 10: 85
- Baldacchino AC See Denham JW
- Baldassarre M See Carchietti E
- Baldi F See Iaccarino M
- Baldi F; Ferrarini F; Longanesi A; et al: oesophageal function before, during, and after healing of erosive oesophagitis. (ab). *Radiology* 1988; 169: 880
- Baldini N See Picci P
- Baldwin BA; Yamanashi WS: NMR imaging of fluid dynamics in reservoir core. *Magn Res Imag* 1988; 6: 493
- Baldwin JC See Glanville AR
- Baldwin JC See Hofflin JM
- Baldwin RM; Wu J-L: in vivo chemistry of iofetamine HCl iodine-123 (IMP). *J Nucl Med* 1988; 29: 122
- Baldy RE; Brindley GS; Ewusi-Mensah I; et al: fully-automated computer-assisted method of CT brain scan analysis for the measurement of cerebrospinal fluid spaces and brain absorption density. *Neuroradiol* 1986; 28: 109
- Bale JF Jr See Dunn V
- Bale JF Jr; Bell WE; Dunn V; et al: magnetic resonance imaging of the spine in children. (ab). *Radiology* 1987; 163: 295
- Baleriaux D See Aubin ML
- Baleriaux DF See Segebarth CM
- Bales JR; Bell JD; Nicholson JK; et al: ^1H NMR studies of urine during fasting: excretion of ketone bodies and acetylcarnitine. *Magn Res Med* 1986; 3: 849
- Bales JR; Bell JD; Nicholson JK; et al: metabolic profiling of body fluids by proton NMR: self-poisoning episodes with paracetamol (acetaminophen). *Magn Res Med* 1988; 6: 300
- Balfé DM See Fein AB
- Balfé DM See Glazer HS
- Balfé DM See James S
- Balfé DM See Ling D
- Balfé DM See Marx MV
- Balfé DM See Moss AA
- Balfé DM See Niemeyer JH
- Balfé DM See Reiman TH
- Balfé DM See Siegel MJ
- Balfé DM See Weinstein JB
- Balfé DM See Worthington JL
- Balfé DM; Reiman TH; Weyman PJ: suprapancreatic biliary obstruction: CT evaluation: reply. *Radiology* 1987; 168: 875
- Balikian JP See Seltzer SE
- Balino NP See Sporn V
- Balk E See Machac J
- Balkin P See Puyau FA
- Balko A See Malhotra CM
- Bali DL; Bishop JF: failure of a short course of prophylactic cranial irradiation to reduce the incidence of cerebral relapse in small cell lung cancer. *Australas Radiol* 1987; 31: 361
- Bali DS; Friedman AC; Hartman DS; et al: scar sign of renal oncocytoma: magnetic resonance imaging appearance and lack of specificity. *Urol Radiol* 1986; 8: 46
- Bali DS; Friedman AC; Radecki PD; et al: avulsed gallbladder: CT appearance. *JCAT* 1988; 12: 538
- Bali DS; Radecki PD; Friedman AC; Caroline DF; Mayer DP: contrast medium precipitation during abdominal CT. *Radiology* 1986; 158: 258
- Bali JB Jr See Liwnicz BH
- Bali JB Jr: direct oblique sagittal CT of orbital wall fractures. *AJNR* 1987; 8: 147
- Bali JB Jr; Miller GW; Hepfner ST: computed tomography of single-channel cochlear implants. *AJNR* 1986; 7: 41
- Bali ME See Lacy JL
- Bali MR See Curnes JT
- Bali TI See Baumgartner BR
- Bali TI See Davis PC
- Bali TJ; Wyly JB: enterocyst formation: late complication of neonatal necrotizing enterocolitis. *AJR* 1986; 147: 806
- Bali WS Jr See Egelhoff JC
- Bali WS Jr See Han BK
- Bali WS Jr See Kaufman RA
- Bali WS Jr See Kosloske AM
- Bali WS Jr See Strife JL
- Bali WS Jr See Towbin RB
- Bali WS Jr; Towbin RB; Kaufman RA: pediatric case of the day: annual meeting, 1986. *Radiographics* 1987; 7: 1181
- Bali WS Jr; Towbin RB; Kaufman RA: pediatric case of the day: annual meeting, 1986. *Radiographics* 1988; 8: 191
- Bali WS Jr; Towbin RB; Strife JL; et al: interventional genitourinary radiology in children: review of 61 procedures. *AJR* 1986; 147: 791
- Ballantine HT See Bernad PG
- Ballard CA See Bergman A
- Ballard JO III See Shung KK
- Ballard JW See Cochran ST
- Ballard S See Lee KH
- Ballas SK See Rao VM
- Ballerini L See Corno A
- Ballerio C; Bradley BR; Muller HH; et al: microsphere distribution in normal and tumor-bearing (DMBA-induced carcinogenesis) hamster cheek pouch. *Invest Radiol* 1987; 22: 456
- Ballesta A See Marti-Bonmati L
- Ballinger JR; Gerson B; Gulenchyn KY; et al: technetium-99m red blood cell labeling in patients treated with doxorubicin. *Clin Nucl Med* 1988; 13: 169
- Ballinger WE Jr See Lotz PR
- Ballmer PE; Bosker WT: case report 495. *Skeletal Radiol* 1988; 17: 382
- Balm AJM See Hunink MGM
- Balogh B See Neuhold A
- Balogh K See Bhattacharyya AK
- Balsara VJ See Pfeiffer WR
- Balsara VJ; Ravai BK; Hargadine JR; et al: sonographic diagnosis of ascending transtentorial herniation of posterior fossa cystic masses. *AJNR* 1988; 9: 194
- Balseiro J See Ziesman HA
- Balseiro J; Brower AC; Ziesman HA: scintigraphic diagnosis of sacral fractures. *AJR* 1987; 148: 111
- Balseiro J; Eggli DF; Ziesman HA: Paget's disease: a cause of artificially elevated bone mineral density. *Clin Nucl Med* 1987; 12: 809
- Balseiro J; Fahey FH; Ziesman HA; Le TV: comparison of bone mineral density in both hips. *Radiology* 1988; 167: 151
- Baltarowich O See Mitchell DG
- Baltarowich OH See Mitchell DG
- Baltarowich OH See Pennell RG
- Baltarowich OH; Kurtz AB: sonographic evaluation of renal masses. *Urol Radiol* 1987; 9: 79
- Baltarowich OH; Kurtz AB; Pasto ME; et al: spectrum of sonographic findings in hereditary ovarian cysts. *AJR* 1987; 148: 901
- Baltarowich OH; Kurtz AB; Pennell RG; et al: pitfalls in the sonographic diagnosis of uterine fibroids. *AJR* 1988; 151: 725

Balter S See Henschke C

Balter S: introduction to the physics of magnetic resonance imaging, *Radiographics* 1987; 7: 371
Balter S: on the work of the radiologist—separation of image capture from image display, *Acta Radiol* 1988; 29: 257

Balthazar EJ See Hulnick DH

Balthazar EJ See Leitman BS

Balthazar EJ See Megibow AJ

Balthazar EJ: cecal diverticulitis evaluation with CT: reply, *Radiology* 1987; 163: 832

Balthazar EJ: prognostic value of CT in acute pancreatitis: is the early CT examination indicated? *Radiology* 1987; 162: 876

Balthazar EJ; Hulnick DH; Megibow AJ; et al: computed tomography of intramural intestinal hemorrhage and bowel ischemia, *JCAT* 1987; 11: 67

Balthazar EJ; Megibow AJ; Gordon RB; et al: computed tomography of the abnormal appendix, *JCAT* 1988; 12: 595

Balthazar EJ; Megibow AJ; Gordon RB; Hulnick DH: cecal diverticulitis: evaluation with CT, *Radiology* 1987; 162: 79

Balthazar EJ; Megibow AJ; Hulnick DH; et al: carcinoma of the colon: detection and preoperative staging by CT, *AJR* 1988; 150: 301
Balthazar EJ; Megibow AJ; Hulnick DH; et al: CT of appendicitis, *AJR* 1986; 147: 705

Balthazar EJ; Megibow AJ; Hulnick DH; et al: cytomegalovirus esophagitis in AIDS: radiographic features in 16 patients, *AJR* 1987; 149: 919

Balthazar EJ; Naidich DF; Megibow AJ; et al: CT evaluation of esophageal varices, *AJR* 1987; 148: 131

Balu-Maestro C See Bruneton J-N

Bamber JC See Robinson DE

Bamber JC See Sambrook M

Bamberger DM; Daus GF; Gerding DM: osteomyelitis in the feet of diabetic patients: long-term results, prognostic factors, and the role of antimicrobial and surgical therapy, (ab), *Radiology* 1988; 167: 295

Bamberg P; Katarji S; Sakhuja V; et al: Wegener's granulomatosis in North India: radiologic manifestations in eleven patients, *Acta Radiol* 1988; 29: 11

Bamford J; Sandercock P; Jones L; et al: natural history of lacunar infarction: the Oxfordshire Community stroke project, (ab), *Radiology* 1988; 166: 295

Bammatter S; Schnyder P; De Preux J: CT in thrombosed dilated posterior epidural vein, *Eur J Radiol* 1987; 7: 116

Bamrah P See Kasner JR

Ban N See Moriyasu F

Bancewicz J See Mughal MM

Bandieramonte G See Ruggiero R

Bandypadhyay D See Das DK

Banelli E See Tombolini V

Banerji AK See Bhatia S

Bang J See Anderson FE Jr

Bang J: policy statement of the European Federation of Ultrasound Societies for Ultrasound in Medicine and Biology, *Ultrasound Med Biol* 1986; 12: 715

Bang J: susceptibility of the human fetus to physical damage, *Ultrasound Med Biol* 1986; 12: 583

Bangaru BS See Ambrosino MM

Bank ER See Hernandez RJ

Bank ER See Ikeda DM

Bank ER; Aisen AM; Rocchini AP; Hernandez RJ: coarctation of the aorta in children undergoing angioplasty: pretreatment and posttreatment MR imaging, *Radiology* 1987; 162: 235

Bank ER; Hernandez RJ: CT and MR of congenital heart disease, *Radiol Clin North Am* 1988; 26: 241

Bank ER; Hernandez RJ; Byrne WJ: gastrointestinal hemangiomatosis in children: demonstration with CT, *Radiology* 1987; 165: 657

Bank ER; White SJ; Coran AG: radiographic appearance of the endorectal pull-through, *Pediatr Radiol* 1986; 16: 216

Bank WJ See Argov Z

Banker FL: preservation of potency after external beam irradiation for prostate cancer, *Int J Radiat Oncol Biol Phys* 1988; 13: 219

Bankoff MS; Tuckman GA; Scarborough D: CT appearance of liver metastases from medullary carcinoma of the thyroid, *JCAT* 1987; 11: 1102

Banks LM; Stevenson JC: modified method of spinal computed tomography for trabecular bone mineral measurements, *JCAT* 1986; 10: 463

Banks PM See Jack CR Jr

Banks PM See Morton MJ

Banna M See Kolawole T

Banna M: syringomyelia in association with posterior fossa cysts, *AJNR* 1988; 9: 867

Banna M; Mannen J: digital imaging of the intracranial circulation using an aortic arch injection and carotid compression, *J Canad Assoc Radiol* 1986; 37: 184

Banner HJ See Tiu S

Banner MP See Dinamore BJ

Banner MP See Doerny JM

Banner MP See Gordon RL

Banner MP See Mezzich R

Banner MP See Pollack HM

Banner MP See Roberts MC

Banner MP See Rubin JJ

Banner MP See Sacks D

Banner MP See Shapiro MJ

Banner MP See Verstandig AG

Banner MP: genitourinary complications of inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 199

Banning WP See Cohen KH

Banning BC See Curnes JT

Bannon RP See Dixon AK

Bannwarth B See Gaucher A

Bansal M See Abrahams TG

Bansal S See Malhotra CM

Bansal VK See Kozony GA

Banville DL See Kass DA

Baquero JM See Heneghan MA

Barack BM: persistence of the cardinal veins and thrombosis: CT demonstration, *JCAT* 1986; 10: 327

Barak F; Werner A; Walach N; et al: palliative efficacy of a single high dose of radiation in treatment of symptomatic osseous metastases, *Int J Radiat Oncol Biol Phys* 1987; 13: 1233

Barakos JA See Colletti FM

Barakos JA See Ralls PW

Barakos JA; Colletti FM; Siegel ME; et al: Kock continent ileal urinary reservoir: anatomy and potential pitfalls of radionuclide imaging, *Clin Nucl Med* 1987; 12: 744

Barakos JA; Jeffrey RB Jr; Federle MP; et al: CT in the management of peripneumonic abscess, *AJR* 1986; 146: 1161

Barakos JA; Ralls PW; Lapin SA; Johnson MB; Radin DR; Colletti FM; Boswell WD Jr; Halls JM: cholelithiasis: evaluation with CT, *Radiology* 1987; 162: 415

Baral E See Rotstein S

Baram TZ; Goldman AM; Percy AK: Krabbe disease: specific MRI and CT findings, (ab), *Radiology* 1987; 162: 590

Baran AS See Beltran J

Baran GW; Alkema RC; Barkett GK; et al: autonomous ovarian cyst in isosexual precocious pseudopuberty, *JCU* 1988; 16: 58

Baran GW; Frisch KM: duplex Doppler evaluation of puerperal ovarian vein thrombosis, *AJR* 1987; 149: 321

Baran GW; Golin A; Bergsma C; et al: standardized endosonographic evaluation of prostate cancer: receiver-operator-characteristic analysis, *AJR* 1987; 149: 975

Bárány M See Venkatasubramanian PN

Bárány M; Langer BG; Glick RP; Venkatasubramanian PN; Wilbur AC; Spigos DG: in vivo H-1 spectroscopy in humans at 1.5 T, *Radiology* 1988; 167: 839

Barany M; Mertz GT; Ivicic J; et al: surface coil holder for signa, *Magn Res Med* 1987; 5: 175

Barasch E; Kashdan B; Rathore A: spontaneous perforation of the ureter diagnosed on technetium 99m DTPA excretory urography, *Urol Radiol* 1988; 10: 107

Barasch ES See Fruaif AA

Barat J-L; Brendel AJ; et al: quantitative analysis of left-ventricular function using gated single photon emission tomography, (ab), *Radiology* 1986; 158: 573

Barbara L See Bolondi L

Barbaric Z See Kangaroo H

Barbaric ZL See Cochran ST

Barbaric ZL See Mukamel E

Barbary J See Vercio PW

Barbary JE See Furness ME

Barber HB See Hickernell TS

Barber KR See Grant CWM

Barber L; Amendola MA; Pollack HM; Van Arsdalen KN: pseudoureteroceles following extracorporeal shock wave lithotripsy, *Radiology* 1988; 167: 397

Barber LW See Ross GJ

Barber VG See Hogge WA

Barber-Derun S See Cor JD

Barber PA See Becker CD

Barber PA See Marinek B

Barbolini G See Bertolani M

Barbosa DC See Tristram M

Barbour J See Alterman DD

Bard M See Laredo J-D

Bardach G See Dock W

Bardin T; Zingraff J; Shirahama T; et al: hemodialysis-associated amyloidosis and beta-2 microglobulin: clinical and immunohistochemical study, (ab), *Radiology* 1988; 166: 913

Bardowala YM See Abdel-Dayem HM

Baredes S See Silver AJ

Barefield KP See Murphy FB

Barek L; Orron DE: non-Hodgkin's lymphoma presenting as periauricular mass with obstructive jaundice, *CT* 1986; 10: 89

Barek L; Orron DE; Behar DJ: hepatic abscess due to occult biliary stones, *CT* 1987; 11: 31

Barantaz JO; Lemmens JAM; Ruijs SH; et al: carcinoma of the urinary bladder: MR imaging with a double surface coil, *AJR* 1988; 151: 107

Barantaz JO; Ruijs JH; Heystraten FMJ; et al: magnetic resonance imaging of the dissected thoracic aorta, *Br J Radiol* 1987; 60: 499

Barast G See Mohan R

Barfod G See Dangaard S

Barfuss H; Fischer H; Hentschel D; Ladebeck R; Vetter J: whole-body MR imaging and spectroscopy with a 4-T system, *Radiology* 1988; 169: 811

Barge J See Chagnon SF

Bargon G See Arlari IP

Barham SS See Prakash UBS

Bariani L See Orziccolo C

Barish RJ: dosimetry of ionizing radiation, vol 2, *Radiology* 1988; 168: 370

Barish RJ: linear accelerators for radiation therapy, *Radiology* 1987; 163: 660

Barish RJ: radiation protection in radiotherapy, *Radiology* 1987; 163: 818

Barish RJ: shielding block mounting with double-stick tape, *Int J Radiat Oncol Biol Phys* 1987; 13: 133

Barish RJ; Barish SV: new stereotactic X-ray knife, *Int J Radiat Oncol Biol Phys* 1988; 14: 1295

Barish SV See Barish RJ

Barik M See Prober A

Barker BR See Richards TL

Barker DJP See Cooper C

Barker F See Ginjaume M

Barker GR See Gillespie JE

Barker W See Chang JY

Barkett GK See Baran GW

Barkhof F; Valk J: "top of the basilar" syndrome: a comparison of clinical and MR findings, *Neuroradiol* 1988; 30: 293

Barli Y See Bar-Ziv I

Barli Y See Meizner I

Barli Y; Benharroch D; Vinograd L; et al: infarcted cystadenofibroma of the breast: ultrasonic appearance, *J Ultrasound Med* 1987; 6: 213

Barli Y; Eilig I; Moses M; et al: sonographic diagnosis of a large hemorrhagic adrenal cyst in an adult, *JCU* 1987; 15: 194

Barkin S See Pretorius DH

Barkin SZ; Pretorius DH; Beckett MK; et al: severe polyhydramnios: incidence of anomalies, *AJR* 1987; 148: 155

Barkley HT Jr See Ito H

Barkley HT Jr See Jha N

Barkley HT Jr See Lee JS

Barkley HT Jr See Umsaawadi T

Barkley HT Jr; Martin RC; Romsdahl MM; et al: treatment of soft tissue sarcomas by preoperative irradiation and conservative surgical resection, *Int J Radiat Oncol Biol Phys* 1988; 14: 693

Barkovich AJ See Sherman JL

Barkovich AJ See Wippold FJ

Barkovich AJ: abnormal vascular drainage in anomalies of neuronal migration, *AJNR* 1988; 9: 939

Barkovich AJ: techniques and methods in pediatric magnetic resonance imaging, *Semin US CT MR* 1988; 9: 186

Barkovich AJ; Atlas SW: magnetic resonance imaging of intracranial hemorrhage, *Radiol Clin North Am* 1988; 26: 801

Barkovich AJ; Chuang SH; Norman D: MR of neuronal migration anomalies, *AJNR* 1987; 8: 1009

Barkovich AJ; Kjos BO: normal postnatal development of the corpus callosum as demonstrated by MR imaging, *AJNR* 1988; 9: 487

Barkovich AJ; Kjos BO; Jackson DE Jr; Norman D: normal maturation of the neonatal and infant brain: MR imaging at 1.5 T, *Radiology* 1988; 166: 173

Barkovich AJ; Norman D: anomalies of the corpus callosum: correlation with further anomalies of the brain, *AJNR* 1988; 9: 493

Barkovich AJ; Norman D: MR imaging of schizencephaly, *AJNR* 1988; 9: 297

Barkovich AJ; Sherman JL; Citrin CM; et al: MR of postoperative syringomyelia, *AJNR* 1987; 8: 319

Barkovich AJ; Wippold FJ; Sherman JL; et al: significance of cerebellar tonsillar position on MR, *AJNR* 1986; 7: 795

Barlocci LA See Leborgne F

Barlocci LA See Leborgne JH

Barloon T See Lu CC

Barloon T See Foderaro AE

Barloon TJ See Yuh WTC

Barloon TJ; Foderaro AE; Kramolowsky EV: giant prostate carcinoma: computed tomography findings and review of previous reports, *CT* 1988; 12: 49

Barloon TJ; Franken EA Jr: plasma electrolyte status after small-bowel enteroclysis, *AJR* 1986; 146: 323

- Barloon TJ; Lu CC; Franken EA Jr; et al: small bowel enterocolitis survey. *Gastrointest Radiol* 1988; 13: 203
- Barloon TJ; Yuh WTC; DeMarino DP; et al: infratemporal fossa meningioma: CT and MR findings. *JCAT* 1987; 11: 1050
- Barloon TJ; Yuh WTC; Yang CJC; et al: spinal subarachnoid tumor seeding from intracranial metastasis: MR findings. *JCAT* 1987; 11: 242
- Barloon TJ; Zachar CK; Harkens KL; et al: rhabdomyolysis: computed tomography findings. *CT* 1988; 12: 193
- Barlow C See Schnall MD
- Barmeir E See Kaulzaric D
- Barnard B See Hall AS
- Barnard SM See Lees S
- Barnes C See Evans JA
- Barnes D See Eidelberg D
- Barnes D See Johnson G
- Barnes D; McDonald WJ: magnetic resonance imaging study of experimental cerebral edema and its response to dexamethasone. *Magn Res Med* 1988; 7: 125
- Barnes DK See Abratti RP
- Barnes DWH See Adams GE
- Barnes GT See Chakraborty DP
- Barnes GT See Fraser RG
- Barnes GT See Gray JE
- Barnes GT See LaFrance R
- Barnes GT See Niklasson LT
- Barnes J See Anderson S
- Barnes JC See Winkler A
- Barnes L See Merwin WH Jr
- Barnes L Jr See Curtin HD
- Barnes M See Hopper KD
- Barnes M See Klobier R
- Barnes M; Pass H; DeLuca A; et al: response of the mediastinal and thoracic viscera of the dog to intraoperative radiation therapy (ORT). *Int J Radiat Oncol Biol Phys* 1987; 13: 371
- Barnes MM See McKenna WG
- Barnes MR See Talbot AR
- Barnes PD; Lester PD; Yamanaishi WS; et al: magnetic resonance imaging in childhood intracranial masses. *Magn Res Imag* 1986; 4: 41
- Barnes PD; Lester PD; Yamanaishi WS; et al: magnetic resonance imaging in infants and children with spinal dysraphism. *AJNR* 1986; 7: 465
- Barnes PF See Ralls PW
- Barnes PF; DeCock KM; Reynolds TN; et al: comparison of amebic and pyogenic abscess of the liver. (ab). *Radiology* 1988; 167: 883
- Barnes RW See McCowan TC
- Barnes RW: intraoperative monitoring in vascular surgery. *Ultrasound Med Biol* 1986; 12: 919
- Barnes WE; Gose EE: functional image data acquisition and processing. *Semin Nucl Med* 1987; 17: 58
- Barnett C See Binstock P
- Barnett C See Ling CC
- Barnett HJM See Pelz DM
- Barnett MJ; Zussman WV: granulocytic sarcoma of the brain: case report and review of the literature. *Radiology* 1986; 160: 223
- Barnett P See terPenning BJ
- Barnett SB: critical parameters in pulsed ultrasound exposures. *Ultrasound Med Biol* 1986; 12: 697
- Barnett SB: sister chromatid exchanges in laboratory cultured cells after repeated exposures to pulsed ultrasound. *J Ultrasound Med* 1987; 6: 377
- Barnett SB; Barnstable SM; Kosoff G: sister chromatid exchange frequency in human lymphocytes after long duration exposure to pulsed ultrasound. *J Ultrasound Med* 1987; 6: 637
- Barnett SB; Miller MW; Cox C; et al: increased sister chromatid exchanges in Chinese hamster ovary cells exposed to high intensity pulsed ultrasound. *Ultrasound Med Biol* 1988; 14: 397
- Barnett SM: CT findings in tuberculous mediastinitis. *JCAT* 1986; 10: 165
- Barnette PA See de Paredes ES
- Barnhart JL; Berk RN: influence of paramagnetic ions and pH on proton NMR relaxation of biologic fluids. *Invest Radiol* 1986; 21: 132
- Barnstable SM See Barnett SB
- Baro P; Casas JD; Sanchez D: colonic duplication in an adult. *Eur J Radiol* 1988; 8: 199
- Baron B See Rocha P
- Bar-On J See Fogelfeld I
- Baron J See Merinsky E
- Baron JC See Pappala S
- Baron MG See Soulen RL
- Baron RL See Moss AA
- Baron RL See Shuman WP
- Baron RL See Teefey SA
- Baron RL: common bile duct stones: reassessment of criteria for CT diagnosis. *Radiology* 1987; 162: 419
- Baron RL: CT diagnosis of choledocholithiasis. *Semin US CT MR* 1987; 8: 85
- Barone JE; Gillingham BS; Nealon TF; et al: abdominal pain in patients with acquired immune deficiency syndrome. (ab). *Radiology* 1987; 163: 836
- Barr H See Brooks PT
- Barr J See Tegtmeyer CJ
- Barr JD See Kellum CD
- Barr P See Simon TR
- Barr RG See Hopkins AL
- Barr W See Kozony GA
- Barragry TP; Blatchford JW III; Allen MJO: giant gastric ulcers: review of 49 cases. (ab). *Radiology* 1986; 161: 282
- Barraine R See Pettitot JP
- Barral V See Garel L
- Barranger JA See Hill SC
- Barre P See Dupas B
- Barrett A See Westbrook C
- Barrett HH See Hickernell TS
- Barrett L; Glati HJ; Burde RM; Gado MH: optic nerve dysfunction in thyroid eye disease: CT. *Radiology* 1988; 167: 503
- Barrett MR II See Duke RA
- Barrett NK See Morgan TCN
- Barrett MK See Fay TL
- Barrier J See Dupas B
- Barrington KJ See Ryan CA
- Barrio JL; Suarez M; Rodriguez JI; et al: pneumocystis carinii pneumonia presenting as cavitating and noncavitating solitary pulmonary nodules in patients with the acquired immunodeficiency syndrome. (ab). *Radiology* 1987; 163: 587
- Barron BJ See David R
- Barron BJ See Dhekne RD
- Barron BJ See Tien R
- Barron KS See Arroyo IL
- Barrow DL; Spector RH; Braun IF; et al: classification and treatment of spontaneous carotid-cavernous sinus fistulas. (ab). *Radiology* 1986; 158: 284
- Barns DM; Vedder JS: problems in air cisternography. (ab). *Radiology* 1987; 163: 591
- Barry L See Sealy R
- Barry W See Perlmutt LM
- Barry WH See Davis WL
- Barry WH See Ganz P
- Barry WH See Spitzer KW
- Barsky SH; Huang SJ; Bhuta S: extracellular matrix of pulmonary scar carcinomas is suggestive of a desmoplastic origin. (ab). *Radiology* 1987; 163: 290
- Barson AJ See Boothroyd AE
- Barotti JB See Kleefeld J
- Barva VA See Benacerraf BR
- Bartel L See Shalev S
- Bartelink H See Dewit L
- Bartelink H See Schaake-Koning C
- Bartelink H; Eblehen NM; Phillips TL: chemical modifiers. *Int J Radiat Oncol Biol Phys* 1988; 14: 539
- Bartels PC; Boer RO: subacute thyroiditis (de Quervain) presenting as a painless "cold" nodule. *J Nucl Med* 1987; 28: 1488
- Barter S See Miller DH
- Barter S See Stevens JM
- Barter SG; Hicks IP; Hartnell GG; et al: nuclear magnetic resonance imaging in the assessment of unusual abdominal aortic aneurysms. (ab). *Radiology* 1986; 158: 286
- Barth KH; Fakhira JJ; Elliott LP: extracorporeal shockwave lithotripsy: role of the radiologist: reply. *Radiology* 1986; 158: 855
- Barth MH See Roehm JOF Jr
- Barth NH See Siddon RL
- Barthel J See Singh A
- Bartholomew M See Stryker JA
- Bartholomew R See Halpern SE
- Bartholomew RK See Ryan KP
- Barthwal R; Hohn-Berlage M; Gersonde K: in vitro proton T₁ and T₂ studies on rat liver: analysis of multiexponential relaxation processes. *Magn Res Med* 1986; 3: 863
- Bartkowski H See Brant-Zawadzki M
- Bartle WR; Gupta AK; Lazor J: nonsteroidal anti-inflammatory drugs and gastrointestinal bleeding: a case-control study. (ab). *Radiology* 1987; 163: 587
- Bartlett CR See James R
- Bartlett JG; O'Keefe P; Tally FP; et al: bacteriology of hospital-acquired pneumonia. (ab). *Radiology* 1986; 161: 283
- Bartlett P See Spencer NJB
- Bartlett SW: influence of federal and state regulations on the acquisition and operation by hospitals of magnetic resonance imaging scanners. *Cardiovasc Intervent Radiol* 1986; 8: 394
- Bartold K See Eggleston DE
- Bartold KP See Fancher M
- Bartold KP; Abghari R; Sangi VB: uncommon presentations of thyroid carcinoma. *Ann Nucl Med* 1986; 11: 786
- Bartold KP; Fancher M; Abghari R: visualization of the left hepatic lobe during radioisotopic venography/lung imaging with technetium-99m MAA. *Clin Nucl Med* 1986; 11: 259
- Bartolomeu-De Iuri A See Tamburrini O
- Bartolomeu-De Iuri A See Tamburrini O
- Bartolozzi C See Selli C
- Bartolozzi C; Selli C; Olmastroni M; et al: rhabdomyosarcoma of the prostate: MR findings. *AJR* 1988; 150: 1333
- Barton E; Gallagher S; Flower CDR; et al: influence on patient management of general practitioner direct access to radiological services. *Br J Radiol* 1987; 60: 893
- Barton JR See Fowlie S
- Barton RM See Jeffrey RB Jr
- Bartoničková A See Kotkovská D
- Bartow SA See Pollei SR
- Bartram CI See Conry BG
- Bartram CI See Grant DS
- Bartram CI See White MM
- Bartram CI; Hall-Craggs MA: interventional colorectal endoscopic procedures: residual lesions on follow-up double-contrast barium enema study. *Radiology* 1987; 162: 835
- Bartram CI; Turnbull GK; Lennard-Jones JE: evacuation proctography: an investigation of rectal expulsion in 20 subjects without defecatory disturbance. *Gastrointest Radiol* 1988; 13: 72
- Bartynski B See Summerville DA
- Bartynski WS; O'Reilly GV; Forrest MD: high-flow-rate arteriovenous malformation model for simulated therapeutic embolization. *Radiology* 1988; 167: 419
- Bartynski WS; Wang A-M: cavernous sinus air in a patient with basilar skull fracture: CT identification. *JCAT* 1988; 12: 141
- Barwick KW See Rosenfield NS
- Barwick KW See Taylor KJW
- Barzel US See Wasserman SHS
- Barzi F See Lupatelli L
- Barzilai A See Groshar D
- Bar-Ziv J See Meizner I
- Bar-Ziv J See Samuel N
- Bar-ziv J See Silence DO
- Bar-Ziv J See Solomon A
- Bar-Ziv J; Barki Y; Weizman Z; et al: transient protein-losing gastropathy (Menetrier's disease) in childhood. *Pediatr Radiol* 1988; 18: 82
- Basarab RM See Manni A
- Basche S See Kachel R
- Bascom PAJ See Mo LYL
- Bascom PAJ; Cobbold RSC; Roelofs BHM: influence of spectral broadening on continuous wave Doppler ultrasound spectra: geometric approach. *Ultrasound Med Biol* 1986; 12: 387
- Bashein G See Martin RW
- Bashi SA See Johari IA
- Bashir R See Jinkins JR
- Bashira M See Miles RD
- Bashore TM See Bottomley PA
- Bashore TM See Cohan RH
- Bashore TM See Shaffer PB
- Basic I See Milas L
- Basic I See Travis EL
- Basran GS; Hardy JG: monitoring pulmonary vascular permeability using radiolabeled transferrin. *J Thorac Imag* 1988; 3-3: 28
- Baso I See Mayo JR
- Baso JL: percutaneous balloon dilation angioplasty of pulmonary artery branch stenosis. *Cardiovasc Intervent Radiol* 1986; 9: 299
- Bassano DA See Scalzetti EM
- Bassermann R See Heywang SH
- Bassett J See Seidenwurm D
- Bassett LW See Bunnell DH
- Bassett LW See Crim JR
- Bassett LW See Dawson EG
- Bassett LW See Gold RH
- Bassett LW See Hartzman S
- Bassett LW See Kagan AR
- Bassett LW See Kimmie-Smith C
- Bassett LW See Reicher MA
- Bassett LW See Serger LL
- Bassett LW See Tang JSH
- Bassett LW; Bunnell DH; Cerny JA; et al: screening mammography: referral practices of Los Angeles physicians. *AJR* 1986; 147: 689
- Bassett LW; Bunnell DH; Jahanshahi R; Gold RH; Arndt RD; Linsman J: breast cancer detection: one versus two views. *Radiology* 1987; 165: 95
- Bassett LW; Diamond JJ; Gold RH; et al: survey of mammography practices. *AJR* 1987; 149: 1149
- Bassett LW; Gold RH: evolution of mammography. *AJR* 1988; 150: 493
- Bassett LW; Kimmie-Smith C; Sutherland LK; Gold RH; Sarti D; King W III: automated and hand-held breast US: effect on patient management. *Radiology* 1987; 165: 103
- Basso L See Linde R
- Basso L See Nagai GR
- Basso LV See Keeling CA
- Bassoulet J See Pharaboz C
- Bastian BV See Simons MA
- Battianello S See Bozzao L
- Basu AK See Padhy AK

- Basu SK; Chandra K; Chuttani K: radioprotection of peripheral blood cells with a combination of hydroxytryptophan and a thiol compound in mice, *Acta Oncol* 1987; 26: 229
- Basugi N See Nagata K
- Bataini J-P; Bernier J; Asselain B; et al: primary radiotherapy of squamous cell carcinoma of the oropharynx and pharyngolarynx: tentative multivariate modelling system to predict the radiotherapy of neck nodes, *Int J Radiat Oncol Biol Phys* 1988; 14: 635
- Bataini JP; Bernier J; Jaulerry C; et al: impact of neck node radioresponsiveness on the regional control probability in patients with oropharynx and pharyngolarynx cancers managed by definitive radiotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 817
- Bateman BG See Nunley WC Jr
- Bateman ED See Willcox PA
- Bateman JE See Ott RJ
- Bates ER See Grines CL
- Bates SE; Longo DL: use of serum tumor markers in cancer diagnosis and management, (ab), *Radiology* 1988; 166: 296
- Bates TD: 10-year results of a prospective trial of post-operative radiotherapy delivered in 3 fractions per week versus 2 fractions per week in breast carcinoma, *Br J Radiol* 1988; 61: 625
- Bateson EM: pneumothorax in the Aboriginal, *Australas Radiol* 1987; 31: 260
- Bateson EM: tuberculosis in the Aboriginal: radiological perspective, *Australas Radiol* 1986; 30: 63
- Bathurst N; Sanerkin N; Watt I: osteoclast-rich osteosarcoma, *Br J Radiol* 1986; 59: 667
- Batman P See Savarymullu SH
- Batnitzky S See Segall HD
- Batnitzky S; Segall HD; Cohen ME: radiologic guidelines in assessing children with intracranial tumors, (ab), *Radiology* 1986; 159: 288
- Batra P See Brown K
- Batra P See Ovensford CO
- Batra P See Wallace JM
- Batra P; fat embolism syndrome, *J Thorac Imag* 1987; 2: 12
- Batra P; Brown K; Steckel RJ; et al: MR imaging of the thorax: a comparison of axial, coronal, and sagittal imaging planes, *JCAT* 1988; 12: 75
- Batra P; Herrmann C Jr; Mulder D: mediastinal imaging in myasthenia gravis: correlation of chest radiography, CT, MR, and surgical findings, *AJR* 1987; 148: 515
- Batra P; Wallace JM; Ovensford C-O: efficacy and complications of transthoracic needle biopsy of lung in patients with Pneumocystis carinii pneumonia and AIDS, *J Thorac Imag* 1987; 2: 79
- Batsakis JG; Luna MA; Byers RM: metastases to the larynx, (ab), *Radiology* 1986; 159: 823
- Batson R See Patel YP
- Battafarano NJ See Moreno AJ
- Batterman HJ See LeVeen RF
- Battermann JJ; Mijneer BJ: Amsterdam fast neutron therapy project: a final report, *Int J Radiat Oncol Biol Phys* 1986; 12: 2093
- Battikha JG; Schneider PA; Garcia J; et al: ruptured arterial aneurysms in the area of the celiac trunk, *Eur J Radiol* 1987; 7: 94
- Battista JJ See Miller GG
- Batton DG; DiCarmine F; Boal DK: intrauterine skull depression and intracranial hemorrhage in a premature infant, *Pediatr Radiol* 1988; 18: 181
- Batty V See Ott RJ
- Baty BJ See Brar MK
- Baud CA See Lagier R
- Baud L See Frija J
- Baudouin J-L See Lafortune M
- Bauer B See Naidich TP
- Bauer BS; Jones KM; Talbot CW: mammary masses in the adolescent female, (ab), *Radiology* 1988; 167: 292
- Bauer M See Herskovic A
- Bauer M See Leibel S
- Bauer M See Perez CA
- Bauer M See Simpson JR
- Bauer M; Leibel S; Wasserman T; et al: effect of misnidazole dose on survival in patients with stage IIIB-IVA squamous cell carcinoma of the uterine cervix: RTOG randomized trial, *Int J Radiat Oncol Biol Phys* 1986; 12: 1101
- Bauer M; Schulz-Wendland R; Fritz P; et al: brachytherapy of tumour recurrences in the region of the pharynx and oral cavity by means of a remote-controlled afterloading technique, *Br J Radiol* 1987; 60: 477
- Bauer WM; Einhaupl K; Heywang SH; et al: MR of venous sinus thrombosis: case report, *AJNR* 1987; 8: 713
- Bauer-Kirpes B; Schlegel W; Boescke R; et al: display of organs and isodose as shaded 3-D objects for 3-D therapy planning, *Int J Radiat Oncol Biol Phys* 1987; 13: 135
- Bauer-Kirpes B; Sturm V; Schlegel W; et al: computerized optimization of ¹²⁵I implants in brain tumors, *Int J Radiat Oncol Biol Phys* 1988; 14: 1013
- Bauknecht K See Kaufmann K
- Baum ES See Fernbach SK
- Baum JD See Fletcher EWL
- Baum ML; Baum RD; Plaine L; et al: computed tomography in the diagnosis of fistula between the ureter and iliac artery, *JCAT* 1987; 11: 719
- Baum RD See Baum ML
- Baum S See Hunter DW
- Baum S; Gooding GAW; Ravin CE; Stewart ET; Weissman BN; Reuter SR: film interpretation session, *Radiographics* 1987; 7: 161
- Baum S; Gooding GAW; Ravin CE; Stewart ET; Weissman BN; Reuter SR: image interpretation session, *Radiographics* 1986; 6: 925
- Bauman JM See Boykin M
- Bauman JM See Cawthorne MA
- Bauman JM See Hartshorne MF
- Bauman JM See Telepak RJ
- Bauman JM See Timmons JH
- Bauman JM; Boykin M; Hartshorne MF; et al: "halo" sign on indium-111 leukocyte scan in gangrenous cholecystitis, *Clin Nucl Med* 1986; 11: 136
- Bauman JM; Hartshorne MF; Cawthorne MA; et al: false-positive leukocyte imaging: case of colon carcinoma, *Clin Nucl Med* 1986; 11: 211
- Bauman JM; Landry AJ; Cawthorne MA; Hartshorne MF: indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoneuromas, *Radiology* 1986; 161: 570
- Bauman JM; Middaugh RE; Cawthorne MA; et al: radionuclide-anesthetic flow study: new technique for the study of regional anesthesia, *J Nucl Med* 1986; 27: 1487
- Bauman JM; Osenbach R; Hartshorne MF; et al: positive indium-111 leukocyte scan in nocardia brain abscess, *J Nucl Med* 1986; 27: 60
- Bauman RA: automation of film library functions, *Radiol Clin North Am* 1986; 24: 11
- Bauman RA: registration and scheduling processes, *Radiol Clin North Am* 1986; 24: 5
- Baumhann H See Kirkinen P
- Baumann J See Hopper KD
- Baumann JL See Crass JR
- Baumgard S See Howe JW
- Baumgartner BR See Bernardino ME
- Baumgartner BR See Nadel L
- Baumgartner BR See Steinberg HV
- Baumgartner BR See Torres WE
- Baumgartner BR; Dickey KW; Ambrose SS; Walton KN; Nelson RC; Bernardino ME: kidney changes after extracorporeal shock wave lithotripsy: appearance on MR imaging, *Radiology* 1987; 163: 531
- Baumgartner BR; Nelson RC; Ball TJ; et al: MR imaging of renal transplants, *AJR* 1986; 147: 949
- Baumgartner BR; Steinberg HV; Ambrose SS; et al: sonographic evaluation of renal stones treated by extracorporeal shock-wave lithotripsy, *AJR* 1987; 149: 131
- Baumgartner F; Williams RA; Wilson SE: patient selection and complications of transhepatic cholangiography, (ab), *Radiology* 1988; 167: 290
- Baumgartner WA; Augustine S; Borkon AM; et al: present expectations in cardiac transplantation, (ab), *Radiology* 1988; 166: 293
- Baunin C See Paille P
- Bautista DB See Garg M
- Baxter JW See Fleischer AC
- Baxter R; Nino-Murcia M; Bloom RJ; et al: gastrointestinal manifestations of essential mixed cryoglobulinemia, *Gastrointest Radiol* 1988; 13: 160
- Bayer MF See McDougall IR
- Bayley TA See Leekam RN
- Baylink DJ See Schulz EE
- Bayliss AP See King DJ
- Bayliss AP See Smith FW
- Bayliss SG See Broadbridge AT
- Bazar R See Berry M
- Ba Zeze V See Ramos F Jr
- Bazzocchi M See Solbiati L
- Bea C See Hinton A
- Beabout JW See Frassica FJ
- Beabout JW; Linscheid RL: total joint arthroplasty of hands and wrists, *Seminar Roentgenol* 1986; 21: 84
- Beach JL See Maruyama Y
- Beach KW See Zierler RE
- Beachley MC See Baker KS
- Beachley MC See Cho S-R
- Beale DJ; Phelps PD: osteomas of the temporal bone: report of three cases, *Clin Radiol* 1987; 38: 67
- Beale SM See Haaga JR
- Beall M See Westgren M
- Beall SS See Alexander EL
- Beamish MR See Xipell JM
- Bean WJ See Daughtry JD
- Bean WJ See Mullin DM
- Bear MB See Shields JR
- Beard CM; Griffin MR; Schwenk NM; et al: incidence of malignant bone and joint tumors in Olmsted County, Minnesota, 1935 through 1981, (ab), *Radiology* 1988; 168: 590
- Beard DV See Pizer SM
- Beard JD; Evans JM; Skidmore R; et al: Doppler flowmeter for use in theatre, *Ultrasound Med Biol* 1986; 12: d83
- Bearden FH See Haacke EM
- Beasley EW III; Peterman SB; Hertzler LG: unusual form of tibial sarcoidosis, *AJR* 1987; 149: 754
- Beasley JJ See Lecklitner ML
- Beasley SW; De Campo JE: pitfalls in the radiological diagnosis of malrotation, *Australas Radiol* 1987; 31: 376
- Beattie OB See Notman DNH
- Beatty PJ See Hilger DJ
- Beauchamp G See Taillefer R
- Beaulieu CF; Clark JJ; Brown RD III; et al: relaxometry of calf lens homogenates, including cross-relaxation by crystalline NH groups, *Magn Res Med* 1988; 8: 45
- Beaumont PL; Neuzil D; Yang HM; et al: immunoreactivity assay for labeled anti-melanoma monoclonal antibodies, *J Nucl Med* 1986; 27: 824
- Beauregard J See Halpern SE
- Beauregard J See Ryan KP
- Beaver HA See Crane JP
- Beaver PF: practical implementation of ICRP recommendations, *Br J Radiol* 1987; 60: 38
- Becciolini A; Cremonini D; Fabbria D; et al: cell proliferation and differentiation in the small intestine after irradiation with multiple fractions, *Acta Oncol* 1986; 25: 51
- Becciolini A; Giaché V; Scubla E; et al: circadian phenomena and irradiation: modifications of enzyme activity in the small intestine after sublethal exposure, *Acta Oncol* 1987; 26: 477
- Becciolini A; Tommasi MS; Porciani S; et al: serum tissue polypeptide antigen (TPA): marker of acute injury of salivary glands during radiation therapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1339
- Beccerra J See Castillo M
- Beccerra JL See Murphy BJ
- Becht E; Mol V; Neisius D; et al: treatment of prevesical ureteral calculi by extracorporeal shock wave lithotripsy, (ab), *Radiology* 1988; 169: 587
- Becht J See Suit HD
- Bechtel W; Wright KC; Wallace S; Moiser B; Mosier D; Mir S; Kudo S: experimental evaluation of microcapsules for arterial chemoembolization, *Radiology* 1986; 161: 601
- Bechtold R See Dyer RB
- Bechtold RE See Chen YM
- Bechtold RE: pelvic and acetabular fractures, *Radiology* 1986; 161: 814
- Bechtold RE; Wolfman NT; Karstaedt N; Geisinger K: renal sinus histiocytosis, *Radiology* 1987; 162: 689
- Beck B See Fitzsimmons JR
- Beck GJ See Jeanty P
- Beck JL See Van Kroonenburgh MJFG
- Beck S See Cirimelli KM
- Beck TJ See Lowe FC
- Beck-Bornholdt H-P See Vogler H
- Beck-Bornholdt H-P See Wüschmidt F
- Beck-Bornholdt H-P; Wüschmidt F; Vogler H: net growth delay: novel parameter derived from tumor growth curves, *Int J Radiat Oncol Biol Phys* 1987; 13: 773
- Becker CD See Buckley AR
- Becker CD See Gibney RG
- Becker CD See Marincek B
- Becker CD; Barbier PA; Porcellini B: CT evaluation of patients undergoing transhiatal esophagectomy for cancer, *JCAT* 1986; 10: 607
- Becker CD; Barbier PA; Terrier F; et al: patterns of recurrence of esophageal carcinoma after transhiatal esophagectomy and gastric interposition, *AJR* 1987; 148: 273
- Becker CD; Burckhardt B; Terrier F: ultrasound in postoperative calculous cholecystitis, *Gastrointest Radiol* 1986; 11: 47
- Becker CD; Burhenne HJ: animal model for radiologic biliary interventional procedures, *Invest Radiol* 1988; 23: 30
- Becker CD; Cooperberg PL: sonography of the hepatic vascular system, *AJR* 1988; 150: 999
- Becker CD; Fache JS; Gibney RG; et al: external-internal cross-connection for bilateral percutaneous biliary drainage, *AJR* 1987; 149: 91
- Becker CD; Fache JS; Gibney RG; et al: treatment of retained cystic duct stones using extracorporeal shockwave lithotripsy, *AJR* 1987; 148: 1121

- Becker CD; Fache JS; Gibney RG; Scudamore CH; Burhenne HJ: choledocholithiasis: treatment with extracorporeal shock wave lithotripsy. *Radiology* 1987; 165: 407
- Becker CD; Nagy AG; Gibney RG; et al: diagnosis and treatment of choledochocoele complicated by choledocholithiasis (case report). *Gastrointest Radiol* 1987; 12: 322
- Becker CD; Quenville NF; Burhenne HJ: long-term occlusion of the porcine cystic duct by means of endoluminal radio-frequency electrocoagulation. *Radiology* 1988; 167: 63
- Becker CD; Scheidegger J; Marincek B: hepatic vein occlusion: morphologic features on computed tomography and ultrasonography. *Gastrointest Radiol* 1986; 11: 305
- Becker E: contemporary issues in computed tomography: computed tomography of the musculoskeletal system. vol. 8. *Radiology* 1987; 165: 24
- Becker EJ; Lambert RGW: diagnosis of bone and joint disorders. 2d ed. *Radiology* 1988; 169: 670
- Becker GD; Hill S: midline granuloma due to illicit cocaine use. (ab). *Radiology* 1988; 169: 590
- Becker GJ See Benenati JF
- Becker GJ See Boyko OB
- Becker GJ See Denham JS
- Becker GJ See Ferris EJ
- Becker GJ See Hicks ME
- Becker GJ See Hunter DW
- Becker GJ See Klatte EC
- Becker GJ See Olson MA
- Becker GJ See Palmaz JC
- Becker GJ See Rees CR
- Becker GJ See Rowe DM
- Becker GJ See Schrodt JF
- Becker GJ See Wenker JC
- Becker GJ: interventional radiology: challenges and initiatives. *Radiology* 1986; 161: 562
- Becker GJ; Hicks ME: cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter: reply. *Radiology* 1987; 163: 285
- Becker GJ; Katzen BT: peripheral angioplasty and the newer circulatory interventions: whose responsibility? *AJR* 1988; 150: 1235
- Becker GJ; Kopecky KK: can the newer interventional procedures replace cholecystectomy for cholecystolithiasis? the potential role of percutaneous cystic duct ablation. *Radiology* 1988; 167: 275
- Becker GJ; Kreipke DL; Holden RW; et al: intracranial administration of streptokinase in a canine model: disturbances in thromboxane A₂-prostaglandin balance. *Invest Radiol* 1986; 21: 206
- Becker GJ; Wenker JC; Rees CR; Reilly MK; Bendick FJ; Cockerill EM: percutaneous transluminal angioplasty and valvectomy in a failing in situ saphenous graft. *Radiology* 1986; 159: 431
- Becker H See Hoffmann B
- Becker HM See Fritsch S
- Becker JA: renal tuberculosis. *Urol Radiol* 1988; 10: 25
- Becker LC See Melin JA
- Becker NJ; De Smet AA; Cathcart-Rake W; et al: psoriatic arthritis affecting the manubriosternal joint. (ab). *Radiology* 1987; 162: 589
- Becker NN See Shalwitz RA
- Becker RL; Norfray JF; Teitelbaum GP; et al: MR imaging in patients with intracranial aneurysm clips. *AJNR* 1988; 9: 885
- Becker W; Fischbach W; Reiners C; et al: three-phase white blood cell scan: diagnostic validity in abdominal inflammatory diseases. *J Nucl Med* 1986; 27: 1109
- Beckers C See Avalos E
- Beckers C See Keyeux A
- Beckett M See Weichselbaum RR
- Beckett MA See Weichselbaum RR
- Beckett MK See Barkin SZ
- Beckett WC See Crawford ES
- Beckett WW See Steinberg HV
- Beckman EM See Megibow AJ
- Beckman I See Lupetin AR
- Beckmann CF See Archibald GR
- Beckmann CF; Roth RA: secondary ureteropelvic junction stricture: percutaneous dilation. *Radiology* 1987; 164: 365
- Beckmann CF; Roth RA; Luedke MD: upper and midureteral calculi: percutaneous extraction with an occlusion balloon catheter. *Radiology* 1986; 159: 643
- Bédard D; Dussault RG; Jean J-P; et al: fractures de fatigue du col femoral. *J Canad Assoc Radiol* 1988; 39: 209
- Bedard MP See Slovis TL
- Bedbrook G See Chakera TMH
- Bedell JE See Rösch J
- Bedford JS See Zeman EM
- Bedi DG See Gallagher P
- Bedi DG See Kumar R
- Bedi DG See Winsett MZ
- Bedi DG; Kumar R; Moretton LB; et al: fibrolamellar carcinoma of the liver: CT, ultrasound and angiography. case report. *Eur J Radiol* 1988; 8: 109
- Bedi DG; Moeller D; Fagan CJ; et al: chronic ectopic pregnancy: comparison with acute ectopic pregnancy. *Eur J Radiol* 1987; 7: 46
- Bedi DG; Salmon A; Winsett MZ; et al: ruptured uterus: sonographic diagnosis. *JCU* 1986; 14: 529
- Bednar EJ See Mann LC
- Bednarek DR See Kaczmarek RG
- Bedrossian J See Raynaud A
- Bedwinek J See Stokes S
- Bedwinek J: preoperative planning of breast implants using the breast implant planning device (BIPD). *Int J Radiat Oncol Biol Phys* 1988; 14: 817
- Bedwinek JM See Brady LW
- Beekman P See Pilate I
- Beekman R See Unger FM
- Beerman R; Nunez D Jr; Wetli CV: radiographic evaluation of the cocaine smuggler. *Gastrointest Radiol* 1986; 11: 351
- Beers GJ See Berry DF
- Beers GJ; Manson J; Carter AP; et al: intracranial histiocytosis X: case report. *CT* 1986; 10: 237
- Beers GJ; Nichols GR; Willing ST: CT demonstration of fat-embolism-associated hemorrhage in the anterior commissure. *AJNR* 1988; 9: 212
- Begg A See Stewart F
- Begg AC: additivity versus repair inhibition in fractionated treatments combining drugs and x rays: theoretical analysis. *Int J Radiat Oncol Biol Phys* 1987; 13: 921
- Begg CB; McNeil BJ: assessment of radiologic tests: control of bias and other design considerations. *Radiology* 1988; 167: 565
- Begin R See Bisson G
- Begin R; Bergeron D; Samson L; et al: CT assessment of silicosis in exposed workers. *AJR* 1987; 148: 509
- Begin R; Bisson G; Lambert R; et al: gallium-67 uptake in the lung of asbestos exposed sheep: early association with enhanced macrophage-derived fibronectin accumulation. *J Nucl Med* 1986; 27: 538
- Begley MG; Shawker TH; Robertson CN; Bock SN; Wei JP; Lotze MT: Fournier gangrene: diagnosis with scrotal US. *Radiology* 1988; 169: 387
- Behar DJ See Berek L
- Behar KL; Petroff OA; Prichard JW; et al: detection of metabolites in rabbit brain by ¹³C NMR spectroscopy following administration of [¹⁻¹³C]glucose. *Magn Res Med* 1986; 3: 911
- Behari V See Prakash R
- Behjati K; Boyd CM; Balachandran S; et al: value of gallium-67 SPECT in a patient with "malignant" otitis externa. *Clin Nucl Med* 1987; 12: 229
- Beier-Hanratty SA: mammography. *Radiology* 1988; 169: 462
- Beierwaltes WH; Rabbani R; Dmuchowski CF; et al: analysis of "ablation of thyroid remnants" with I-131 in 511 patients from 1947-1984: experience at University of Michigan. (ab). *Radiology* 1986; 158: 573
- Behn R See Friedman BJ
- Beil KA See Wilner HI
- Beitler MK; Mahler PA; Yamanaka WK; et al: effect of the hydrolytic state of dietary protein on post-irradiation morbidity and mucosal cell regeneration. *Int J Radiat Oncol Biol Phys* 1987; 13: 385
- Beitzke A; Stein J: pseudo-widening of cranial sutures as a feature of long-term prostaglandin E₂ therapy. *Pediatr Radiol* 1986; 16: 57
- Bejar R; Coen RW; Merritt TA; et al: focal necrosis of the white matter (periventricular leukomalacia): sonographic, pathologic, and electroencephalographic features. *AJNR* 1986; 7: 1073
- Bekemeyer WB; Crapo RO; Calhoun S; et al: efficacy of chest radiography in a respiratory intensive care unit: prospective study. (ab). *Radiology* 1986; 159: 820
- Bekerman C See Bitran J
- Bekerman C See Walsh TJ
- Bekhti A; Nizet M: radiological changes under effect of mebendazole on univesicular hydatid cysts in the liver and lung. *Eur J Radiol* 1986; 6: 156
- Bekkali F See Halimi P
- Belbeck LW See Nahmias C
- Belchetz PE See Morewood DJW
- Belcourt CL; Roy DL; Nanton MA; Finley JP; Gillis DA; Krause VW; Aterman K: stenosis of individual pulmonary veins: radiologic findings. *Radiology* 1986; 161: 109
- Beliden C See Hashimoto BE
- Belfar HL; Kurtz AB; Wapner RJ: long-term follow-up after removal of an abdominal pregnancy: ultrasound evaluation of the involuting placenta. *J Ultrasound Med* 1986; 5: 521
- Belfar HL; Radecki PD; Friedman AC; et al: pancreatitis presenting as pleural effusions: computed tomography demonstration of pleural space extension of pancreatitis exudate. *CT* 1987; 11: 184
- Belfar B See Zwas ST
- Belis JA See Sease WC
- Belittos NJ See Walsh TJ
- Belkin R See Franklin J
- Bell BA See MacDonald HL
- Bell D; Millar AM; Grayshan R; et al: radiopharmaceuticals for myocardial infarct imaging: a clinical comparison of ^{99m}Tc-pyrophosphate and ^{99m}Tc-dimethylaminomethylene diphosphonate. *Br J Radiol* 1988; 61: 646
- Bell G See Swartz JD
- Bell GL See Silengo MC
- Bell J; Kabala J; Horrocks M: case of the month: "all's well that ends well". *Br J Radiol* 1987; 60: 1231
- Bell J; McGivern D; Bullimore J; et al: diagnostic imaging of post-irradiation changes in the chest. *Clin Radiol* 1988; 39: 109
- Bell JD See Bales JR
- Bell JE See Chambers SE
- Bell KE; McKinstry CS; Mills JOM: iopamidol in the diagnosis of suspected upper gastrointestinal perforation. *Clin Radiol* 1987; 38: 165
- Bell WE See Bale JF Jr
- Bell WE See Dunn V
- Bellah RD See Campeau RJ
- Bellamy EA See Kisin CM
- Bellamy EA; Johnston IDA; Wilson AG: chest radiograph in whooping cough. *Clin Radiol* 1987; 38: 39
- Bellamy EA; Nicholas D; Husband JE: quantitative assessment of lung damage due to bleomycin using computed tomography. *Br J Radiol* 1987; 60: 1205
- Bellamy EA; Nicholas D; Ward M; et al: comparison of computed tomography and conventional radiology in the assessment of treatment response of lytic bony metastases in patients with carcinoma of the breast. *Clin Radiol* 1987; 38: 351
- Bellamy GR; Yiannikas J; Detrano R; Simpfendorfer C; Salcedo EE: detection of multivessel disease after myocardial infarction using intravenous stress digital subtraction angiography. *Radiology* 1986; 161: 685
- Bellani L; Semelka R; Warren CPW: sarcoidosis as a cause of linitis plastica. *J Canad Assoc Radiol* 1988; 39: 72
- Belldugran A See Hussain S
- Belldugran A; Hussain S; Seltzer SE; et al: incidentally discovered mass of the adrenal gland. (ab). *Radiology* 1987; 162: 885
- Bellen JC See Fornasiero D
- Beller U See Megibow AJ
- Belli A See Grundy A
- Belli A; Cawthorne S: visceral angiographic findings in pseudoxanthoma elasticum. *Br J Radiol* 1988; 61: 368
- Belli AM; Dow CJ; Monro P: radiographic appearance of frontal osteomyelitis in two patients with extradural abscess. *Br J Radiol* 1987; 60: 1026
- Belli AM; Elliott C; Heron CW: case of the month: an opportunity not to be missed. *Br J Radiol* 1988; 61: 171
- Belli A-M; Ingram CF; Heron CW; et al: appearance of the inferior thyroid veins on computed tomography. *Br J Radiol* 1988; 61: 125
- Belli A-M; Joseph AEA: renal rind sign: a new ultrasound indication of inflammatory disease in the abdomen. *Br J Radiol* 1988; 61: 806
- Belli A-M; Williams MP: graft versus host disease: findings on plain abdominal radiography. *Clin Radiol* 1988; 39: 262
- Belli D See Garel LA
- Belli JA See Eifel FJ
- Bellin M-F See Frija J
- Bellingier MF See Gross GW
- Belliveau JW See Villringer A
- Bello JA See De GJ
- Bello JA See Moser FG
- Bello JA See Silver AJ
- Belloni M See Cozzi G
- Belloni EM See Sacco DC
- Belloni EM See Shah ZR
- Belloni EM See Yagan R
- Belloni EM; Haacke EM; Coleman PE; et al: MR artifacts: review. *AJR* 1986; 147: 1271
- Belloni EM; Keith MW; Coleman PE; Shah ZR: magnetic resonance imaging of internal derangements of the knee. *Radiographics* 1988; 8: 95
- Belman AB See Majd M
- Belman AL; Lantos G; Horoupan D; et al: AIDS: calcification of the basal ganglia in infants and children. (ab). *Radiology* 1987; 164: 887
- Belsey R See Specht HD

- Belsole R** See Pittman CC
- Belt TG; Cohen MD; Smith JA; et al:** MRI of Wilms' tumor: promise as the primary imaging method. *AJR* 1986; 146: 955
- Beltinger C; Saule H:** imaging of lipoma of the corpus callosum and intracranial dermoids in the Goldenhar syndrome. *Pediatr Radiol* 1988; 18: 72
- Beltramello A** See Benati A
- Beltramello A; Maschio A; Plovon E; et al:** spontaneous arterio-venous fistulae of the vertebral artery: diagnostic and therapeutic considerations. *Eur J Radiol* 1988; 8: 148
- Beltran G** See Abernathy D
- Beltran J** See Herman LJ
- Beltran J** See Weiss KL
- Beltran J; Caudill JL; Herman LA; Kantor SM; Hudson PN; Noto AM; Baran AS:** rheumatoid arthritis: MR imaging manifestations. *Radiology* 1987; 165: 153
- Beltran J; Gray LA; Bools JC; Zuelzer WA; Weiss LD; Unverferth LJ:** rotator cuff lesions of the shoulder: evaluation by direct sagittal CT arthrography. *Radiology* 1986; 160: 161
- Beltran J; Herman LJ; Burk JM; Zuelzer WA; Clark RN; Lucas JG; Weiss LD; Yang A:** femoral head avascular necrosis: MR imaging with clinical-pathologic and radionuclide correlation. *Radiology* 1988; 166: 215
- Beltran J; McGhee RB; Shaffer PB; Olsen JO; Bennett WF; Foster TR; McCalla MS; Iskra LA; Blagg RL; Biller DS:** experimental infections of the musculoskeletal system: evaluation with MR imaging and Tc-99m MDP and Ga-67 scintigraphy. *Radiology* 1988; 167: 167
- Beltran J; Noto AM; Chakares DW; Christoforidis AJ:** tumors of the osseous spine: staging with MR imaging versus CT. *Radiology* 1987; 162: 565
- Beltran J; Noto AM; Herman LJ; Lubbers LM:** tendons: high-field-strength, surface coil MR imaging. *Radiology* 1987; 162: 735
- Beltran J; Noto AM; Herman LJ; Masure JC; Burk JM; Christoforidis AJ:** joint effusions: MR imaging. *Radiology* 1986; 158: 133
- Beltran J; Noto AM; McGhee RB; Freedy RM; McCalla MS:** infections of the musculoskeletal system: high-field-strength MR imaging. *Radiology* 1987; 164: 449
- Beltran J; Noto AM; Masure JC; Bools JC; Zuelzer WA; Christoforidis AJ:** meniscal tears: MR demonstration of experimentally produced injuries. *Radiology* 1986; 158: 691
- Beltran J; Noto AM; Masure JC; Shamam OM; Weiss KL; Zuelzer WA:** ankle: surface coil MR imaging at 1.5 T. *Radiology* 1986; 161: 203
- Beltran J; Noto AM; Masure JC; Weiss KL; Zuelzer WA; Christoforidis AJ:** knee: surface coil MR imaging at 1.5 T. *Radiology* 1986; 159: 747
- Beltran J; Simon DC; Katz W; Weiss LD:** increased MR signal intensity in skeletal muscle adjacent to malignant tumors: pathologic correlation and clinical relevance. *Radiology* 1987; 162: 251
- Beltran J; Simon DC; Levy M; Herman LJ; Weiss LD; Mueller CF:** aneurysmal bone cysts: MR imaging at 1.5 T. *Radiology* 1986; 158: 689
- Beltran JVT** See Gimenez MH
- Beluffi G** See Pazzaglia UE
- Beluffi G; Bertolotti P; Mietta A; et al:** primary leiomyosarcoma of the lung in a girl. *Pediatr Radiol* 1986; 16: 240
- Belzberg H** See Mirvis SE
- Benabid AL** See Le Bas JF
- Benacerraf BR** See Penso C
- Benacerraf BR:** antenatal sonographic diagnosis of congenital clubfoot: possible indication for amniocentesis. *JCU* 1986; 14: 703
- Benacerraf BR:** asymptomatic cysts of the fetal choroid plexus in the second trimester. *J Ultrasound Med* 1987; 6: 475
- Benacerraf BR:** fetal hydrocephalus: diagnosis and significance. *Radiology* 1988; 169: 858
- Benacerraf BR:** intrauterine growth retardation in the first trimester associated with triploidy. *J Ultrasound Med* 1988; 7: 153
- Benacerraf BR; Bars VA; Saltzman DH; Greene MF; Penso CA; Frigoletto FD Jr:** fetal abnormalities: diagnosis or treatment with percutaneous umbilical blood sampling under continuous US guidance. *Radiology* 1988; 166: 105
- Benacerraf BR; Birnholz JC:** diagnosis of fetal hydrocephalus prior to 22 weeks. *JCU* 1987; 15: 531
- Benacerraf BR; Frigoletto FD Jr:** prenatal sonographic diagnosis of isolated congenital cystic hygroma, unassociated with lymphedema or other morphologic abnormality. *J Ultrasound Med* 1987; 6: 63
- Benacerraf BR; Frigoletto FD Jr; Cramer DW:** Down syndrome: sonographic sign for diagnosis in the second-trimester fetus. *Radiology* 1987; 163: 811
- Benacerraf BR; Frigoletto FD Jr; Greene MF:** abnormal facial features and extremities in human trisomy syndromes: prenatal US appearance. *Radiology* 1986; 159: 243
- Benacerraf BR; Greene MF:** congenital diaphragmatic hernia: US diagnosis prior to 22 weeks gestation. *Radiology* 1986; 158: 809
- Benacerraf BR; Greene MF; Bars VA:** prenatal sonographic diagnosis of congenital hemivertebra. *J Ultrasound Med* 1986; 5: 257
- Benacerraf BR; Greene MF; Saltzman DH; Bars VA; Penso CA; Nadel AS; Heffner LJ; Stryker JM; Sandstrom MM; Frigoletto FD Jr:** early amniocentesis for prenatal cytogenetic evaluation. *Radiology* 1988; 169: 709
- Benacerraf BR; Pober BR; Sanders SP:** accuracy of fetal echocardiography. *Radiology* 1987; 168: 847
- Ben-Ami M** See Shalev E
- Ben-Ami T** See Graif M
- Ben Ami T; Treves ST; Tumeh S; Cox-Bryan J; McCarthy C:** stress fractures after surgery for osteosarcoma: scintigraphic assessment. *Radiology* 1987; 163: 157
- Ben-Aryeh H** See Kuten A
- Benati A; Beltramello A; Maschio A; et al:** endovascular treatment of intracranial AVMs: combined embolization with a multi-purpose mobile-wing microcatheter system. *J Neuroradiol* 1987; 14: 99
- Benator RM** See Nussbaum AR
- Ben-Avi DD** See Ledor C
- Ben-Avi HA** See Ledor C
- Benazzo F** See Pazzaglia UE
- Benda J** See Wang M-L
- Benda JA** See Foderaro AE
- Bendall MR; Connolly A; McKendry JM:** elimination of coupling between cylindrical transmit coils and surface-receive coils for *in vivo* NMR. *Magn Res Med* 1986; 3: 157
- Bendall MR; Garwood M; Ugurbil K; et al:** adiabatic refocusing pulse which compensates for variable rf power and off-resonance effects. *Magn Res Med* 1987; 4: 493
- Bendell P** See Zur Y
- Bendell P:** T₂-weighted contrasts in rapid low flip-angle imaging. *Magn Res Med* 1987; 5: 366
- Bender A** See Bradac GB
- Bender CE** See Berquist TH
- Bender CE** See Maus TP
- Bender CE** See May GR
- Bender CE** See Williams HJ Jr
- Bender TM** See Oh KS
- Bender TM** See Reid BS
- Bender TM; Oh KS; Medina JL; et al:** pediatric chest trauma. *J Thorac Imag* 1987; 2: 60
- Bendick PJ** See Becker GJ
- Bendick PJ** See Hicks ME
- Bend B** See Lewall DB
- Ben Dridi MF; Oumaya A; Gastli H; et al:** radiological abnormalities of the skeleton in patients with sickle-cell anemia: study of 222 cases in Tunisia. *Pediatr Radiol* 1987; 17: 296
- Bendriem B; Soussaline F; Campagnolo R; et al:** technique for the correction of scattered radiation in a PET system using time-of-flight information. *JCAT* 1986; 10: 287
- Benedetti TJ** See Nyberg DA
- Benedetto AR** See Lecklinter ML
- Benedetto AR** See Nusynowitz ML
- Benedetto AR:** radiation and life. 2d ed., *Radiology* 1986; 158: 50
- Benedetto AR; Nusynowitz ML:** correlation of right and left ventricular ejection fraction and volume measurements. *J Nucl Med* 1988; 29: 1114
- Benenati JF; Becker GJ; Mail JT; et al:** digital subtraction venography in central venous obstruction. *AJR* 1986; 147: 685
- Benenati SV** See Schrodt JF
- Beneventano TC** See Frager DH
- Beneventano TC** See Wolf EL
- Ben Ezra D** See Rasooly R
- Benfield JR** See Yellin A
- Benghiat A; Tyrrell CJ; Davidson HE; et al:** results of treatment of primary breast carcinoma by radical radiotherapy with artificial pneumothorax. *Clin Radiol* 1986; 37: 313
- Bengtsson A-M** See Sundrehagen E
- Benhamou E** See Dewar JA
- Benharroch D** See Barki Y
- Benini F** See Zorzi C
- Benjamin CS** See Childs WJ
- Benjamin CS** See Robinson BW
- Benjamin DS** See Goldkrand JW
- Benjamin IS** See Gibson RN
- Benjamin IS** See Yeung EYC
- Benjamin SB** See Brody JM
- Benjamin SB** See Jaffe MH
- Benjamin SB** See Zeman RK
- Benjamin V** See Stollman A
- Benmair J** See Lanier B
- Benmair J** See Lanier B
- Benmair J** See Reider-Groswasser I
- Ben-Menachem Y** See Fisher EG
- Ben-Menachem Y:** avulsion of the innominate artery associated with fracture of the sternum. *AJR* 1988; 150: 621
- Ben-Menachem Y; Fields WS; Cadavid G; et al:** vertebral artery trauma: transcatheter embolization. *AJNR* 1987; 8: 501
- Bennaceur B** See Khaldi F
- Bennell C:** complete review of radiography. *Radiology* 1987; 163: 10
- Bennell C:** textbook of radiographic science. *Radiology* 1987; 165: 334
- Bennet WP** See Rosen BR
- Bennett B** See King DJ
- Bennett HF** See Bacic G
- Bennett HF** See Branch RC
- Bennett HF; Swartz HM; Brown RD III; et al:** modification of relaxation of lipid protons by molecular oxygen and nitroxides. *Invest Radiol* 1987; 22: 502
- Bennett JD; Dubeau RA; Driedger AA; et al:** polymorphonuclear leukocytes labeled with technetium-99m HMPAO: a potential bone marrow imaging agent. *Clin Nucl Med* 1988; 13: 44
- Bennett L/N; Voegeli DR; Crumley AB; McDermott JC; Jensen SR; Sollinger HW:** urologic complications following renal transplantation: role of interventional radiologic procedures. *Radiology* 1986; 160: 531
- Bennett M; Felsberg GJ; Unger J; et al:** gallium-67 renal uptake in Sjogren's syndrome. *Clin Nucl Med* 1988; 13: 669
- Bennett MH** See Dische S
- Bennett MH** See Hudson BV
- Bennett MH** See Karp SJ
- Bennett MH** See Makepeace AR
- Bennett WF** See Beltran J
- Bennett WF** See Blumenkopf B
- Bennett WF** See Dobranowski J
- Bennett WF** See Kyser PL
- Bennett WF** See Shamam OM
- Bennion J** See Kaplan PA
- Bennion JW** See Kaplan PA
- Benoit L** See Brown KA
- Benoit F** See Filiatrault D
- Benova D:** antimutagenic properties of WR 2721 and of a radioprotective mixture, ATP-AET-serotonin, with regard to x ray induced reciprocal translocations in mouse spermatogonia. *Int J Radiat Oncol Biol Phys* 1987; 13: 117
- Bensman KW** See Spackman TJ
- Benson B; Pober BR; Hirsch MF; et al:** sonography of Nager acrofacial dysostosis syndrome in utero. *J Ultrasound Med* 1988; 7: 163
- Benson C** See Tumeh S
- Benson CB** See Panicek DM
- Benson CB; Boswell SB; Brown DL; Saltzman DH; Doubilet PM:** improved prediction of intrauterine growth retardation with use of multiple parameters. *Radiology* 1988; 168: 7
- Benson CB; Deligdisch CK; Loughlin KR:** sonographic detection of testicular plasmacytoma. *JCU* 1987; 15: 490
- Benson CB; Doubilet PM; Saltzman DH; et al:** femur length/abdominal circumference ratio: poor predictor of macrosomic fetuses in diabetic mothers. *J Ultrasound Med* 1986; 5: 141
- Benson CB; Doubilet PM; Saltzman DH:** intrauterine growth retardation: predictive value of US criteria for antenatal diagnosis. *Radiology* 1986; 160: 415
- Benson L** See Larsson SG
- Benson L; Hemmingsson A; Ericsson A; et al:** magnetic resonance imaging in primary amyloidosis. *Acta Radiol* 1987; 28: 13
- Benson LN** See Burrows PE
- Benson LN; Freedom RM; Wilson GJ; et al:** cerebral complications following balloon angioplasty of coarctation of the aorta. *Cardiovasc Intervent Radiol* 1986; 9: 184
- Benson M** See Baddeley H
- Benson M** See Dikengil A
- Benson R** See Ralls PW
- Benson RC** See Colletti PM
- Benson RC Jr** See LeRoy AJ
- Bentley E; Chandrasoma P; Cohen H; et al:** colitis cystica profunda: presenting with complete intestinal obstruction and recurrence. (ab). *Radiology* 1986; 160: 284
- Benton C** See Towbin RB
- Benton C:** pioneers in angiography: the Portuguese School of Angiography. 2d ed. *Radiology* 1988; 169: 634
- Benton WK** See Hricak H
- Bentson JR** See Camras LR
- Bentson JR** See Lufkin RB

- Bentson JR See Reicher MA
 Bentson JR See Teresi LM
 Bentson JR; Steckel RJ; Kagan AR: diagnostic imaging in clinical cancer management: brain metastases. *Invest Radiol* 1988; 23: 335
 Bentzen SM; Christensen JJ; Overgaard J; et al: some methodological problems in estimating radiobiological parameters from clinical data: alpha/beta ratios and electron RBE for cutaneous reactions in patients treated with postmastectomy radiotherapy. *Acta Oncol* 1988; 27: 105
 Benus RS See Lisann NM
 Benus RS See Yeh SDJ
 Berant M See Borochowitz Z
 Berbaum K See Cragg AH
 Berbaum K See Smith WL
 Berbaum KS See Conrad GR
 Berbaum KS See El-Khoury GY
 Berbaum KS See Franken EA Jr
 Berbaum KS See Yuh WTC
 Berbaum KS; El-Khoury GY; Franken EA Jr; Kathol MH; Montgomery WJ; Henson W: impact of clinical history on fracture detection with radiography. *Radiology* 1988; 168: 507
 Berbaum KS; Franken EA Jr; Dorfman DD; et al: influence of clinical history upon detection of nodules and other lesions. *Invest Radiol* 1988; 23: 48
 Berbaum KS; Franken EA Jr; Dorfman DD; et al: tentative diagnoses facilitate the detection of diverse lesions in chest radiographs. *Invest Radiol* 1986; 21: 532
 Berberich R See Eisenhut M
 Bercu BB See Shulman DI
 Bercidovsky I See Kuten A
 Berdon W See Amodio J
 Berdon WE See Abramson SJ
 Berdon WE See Amodio JB
 Berdon WE See Feldman F
 Berdon WE See Premkumar A
 Berdon WE See Singen RD
 Berdon WE See Stolar CJH
 Berdon WE: current concepts in the management of neonatal ICU patients with pulmonary hypertension and localized brain trauma. *Radiology* 1986; 158: 493
 Berenberg AL See Stomper PC
 Berenguer A See Garcia-Cuerpo E
 Berens DL: computed tomography of the spine: diagnostic exercises. *Radiology* 1987; 165: 64
 Berens SV See Lester JW Jr
 Berenstein A See Choi IS
 Berenstein A See Jungreis CA
 Berenstein A See Scott JA
 Berenstein A; Choi IS: surgical neuroangiography of intracranial lesions. *Radiol Clin North Am* 1988; 26: 1143
 Berenstein A; Scott J; Choi IS; et al: percutaneous embolization of arteriovenous fistulas of the external carotid artery. *AJNR* 1986; 7: 937
 Beres J See Foley WD
 Beres J; Pech P; Berns TF; et al: spinal epidural lymphomas: CT features in seven patients. *AJNR* 1986; 7: 327
 Beres JJ See Lipchik EO
 Beresini DC See Dean B
 Berg BO See McMurdock SK Jr
 Berg C See Torrisi J
 Berg D See Schon HR
 Berg KK See Lie JT
 Berg OB See Shore RM
 Berg U See Johansson B
 Berg U See Troell S
 Berger AS See Swartz JD
 Berger E; Williams DO; Reinert S; et al: sustained efficacy of percutaneous transluminal coronary angioplasty. (ab). *Radiology* 1986; 161: 285
 Berger JA See Sandler MA
 Berger JR; Kasowitz B; Post MJD; et al: progressive multifocal leukoencephalopathy associated with human immunodeficiency virus infection: a review of the literature with a report of sixteen cases. (ab). *Radiology* 1988; 167: 591
 Berger MS See Gooding GAW
 Berger MS; Wilson CB: epidermoid cysts of the posterior fossa. (ab). *Radiology* 1986; 158: 284
 Berger P See Lee VW
 Berger PE; Atkinson D; Wilson WJ; Wiltse L: high resolution surface coil magnetic resonance imaging of the spine: normal and pathologic anatomy. *Radiographics* 1986; 6: 573
 Berger T; Sorensen R: varicoceles: distal occlusion with coaxial catheter system. *Radiology* 1987; 162: 271
 Berger T; Sorensen R; Konrad J: aortic rupture: complication of transluminal angioplasty. *AJR* 1986; 146: 373
 Bergeron D See Begin R
 Bergeron RT See Reede DL
 Bergery P See Makler PT Jr
 Bergin C; Roggli V; Coblenz C; et al: secondary pulmonary lobule: normal and abnormal CT appearances. *AJR* 1988; 151: 21
 Bergin CJ See Müller NL
 Bergin CJ See Scott I
 Bergin CJ; Müller NL: CT of interstitial lung disease: diagnostic approach. *AJR* 1987; 148: 9
 Bergin CJ; Müller NL; Nichols DM; et al: diagnosis of emphysema: computed tomographic-pathologic correlation. (ab). *Radiology* 1986; 160: 856
 Bergin CJ; Müller NL; Vedral S; et al: CT in silicosis: correlation with plain films and pulmonary function tests. *AJR* 1986; 146: 477
 Bergin KT See Horrigan TP
 Berginer VM; Solomon H; Hirsch M; et al: brain computed tomography in morbid obesity before and after gastric restriction surgery: a prospective quantitative study. *Neuroradiol* 1987; 29: 540
 Berglund I See Nilsson S
 Berglund LG See Adair ER
 Bergman A; Ballard CA; Platt LD: ultrasonic evaluation of urethrovaginal junction in women with stress urinary incontinence. *JCU* 1988; 16: 295
 Bergman EW Jr See Shinnar S
 Bergman RA See Ehara S
 Bergman RA See Sato Y
 Bergmann SR See Knabb RM
 Bergot C See Laval-Jeantet AM
 Bergqvist D See Weibull H
 Bergqvist D; Jonsson G; Weibull H: complications after percutaneous transluminal angioplasty of peripheral and renal arteries. *Acta Radiol* 1987; 28: 3
 Bergqvist L; Sundberg R; Rydén S; et al: "critical colloid dose" in studies of reticuloendothelial function. *J Nucl Med* 1987; 28: 1424
 Bergsma C See Baran GW
 Bergstein JM See Andreoli SP
 Bergstrand G See Hannerz J
 Bergstrand G; Oxenstierna G; Flyckt L; et al: radionuclide cisternography and computed tomography in 30 healthy volunteers. *Neuroradiol* 1986; 28: 154
 Bergstrom J See Wallgren A
 Bergstrom K See Mostrom U
 Bergstrom K See Pech P
 Bergstrom K See Samuelsson L
 Bergstrom M See Chan B
 Bergstrom M See Ericson K
 Bergstrom M See Muhr C
 Bergstrom M; Ericson K; Hagenfeldt L; et al: PET study of methionine accumulation of glioma and normal brain tissue: competition with branched chain amino acids. *JCAT* 1987; 11: 208
 Bergström M; Greitz T; Ribbe T: adaptor to the Leksell stereotaxic instrument for digital coordinate determination in radiography. *Neuroradiol* 1987; 28: 585
 Bergström M; Greitz T; Ribbe T: method of stereotaxic localization adopted for conventional and digital radiography. *Neuroradiol* 1986; 28: 100
 Bergström M; Lundqvist H; Ericson K; et al: comparison of the accumulation kinetics of L-(methyl-¹¹C)-methionine and D-(methyl-¹¹C)-methionine in brain tumors studied with positron emission tomography. *Acta Radiol* 1987; 28: 225
 Bergström M; Muhr C; Ericson K; et al: normal pituitary examined with positron emission tomography and (methyl-¹¹C)-L-methionine and (methyl-¹¹C)-D-methionine. *Neuroradiol* 1987; 29: 221
 Bergström M; Muhr C; Lundberg PO; et al: amino acid distribution and metabolism in pituitary adenomas using positron emission tomography with D-[¹¹C]methionine and L-[¹¹C]methionine. *JCAT* 1987; 11: 384
 Bergström M; Muhr C; Lundberg PO; et al: rapid decrease in amino acid metabolism in prolactin-secreting pituitary adenomas after bromocriptine treatment: a PET study. *JCAT* 1987; 11: 815
 Bergvall U See Gelbert F
 Berke RN See Barnhart JL
 Berke GS; Calcaterra TC: parotid hypertrophy with bulimia: report of surgical management. (ab). *Radiology* 1986; 159: 287
 Berke JP See Smith AS
 Berkman WA; Bishop AF; Palagallo GL; Cashman MD: transhepatic balloon dilation of the distal common bile duct and ampulla of Vater for removal of calculi. *Radiology* 1988; 167: 453
 Berkman YM See Kim KW
 Berkowitz GS; Mellahe KE; Chitkara U; et al: Doppler umbilical velocimetry in the prediction of adverse outcome in pregnancies at risk for intrauterine growth retardation. (ab). *Radiology* 1988; 169: 290
 Berkowitz HD See Lewis VD III
 Berkowitz JE; Gatewood OMB; Donovan GB; Gayler BW: dermal breast calcifications: localization with template-guided placement of skin marker. *Radiology* 1987; 163: 282
 Berland LI See Anderson SD
 Berland LI See Koslin DB
 Berland LI See Lund EC
 Berland LI See Shin MS
 Berland LI: focal areas of decreased echogenicity in the liver at the porta hepatis. *J Ultrasound Med* 1986; 5: 157
 Berland LI; Bryan CR; Sekar BC; et al: sonographic examination of the adult brain. *JCU* 1988; 16: 337
 Berland LI; Koslin DB; Kenney PJ; et al: differentiation between small benign and malignant adrenal masses with dynamic incremented CT. *AJR* 1988; 151: 95
 Berlin L: malpractice and radiologists: update 1986: 11.5-year perspective. *AJR* 1986; 147: 1291
 Berlin O; Angervall L; Kindblom L-G; et al: primary leiomyosarcoma of bone: a clinical, radiographic, pathologic-anatomic, and prognostic study of 16 cases. *Skeletal Radiol* 1987; 16: 364
 Berlin O; Steiner B; Lindahl S; et al: vascularization of peripheral neurilemmomas: angiographic, computed tomographic, and histologic studies. *Skeletal Radiol* 1986; 15: 275
 Berliner LJ; Fujii H; Wan X; et al: feasibility study of imaging a living murine tumor by electron paramagnetic resonance. *Magn Res Med* 1987; 4: 380
 Berlow ME See Manco LG
 Berman A See Teplick JG
 Berman CZ See Epstein LG
 Berman DS See Friedman J
 Berman DS See Rozanski A
 Berman DS See Staniloff HM
 Berman DS See Van Train KF
 Berman HL; Bakal SC; Katz SG: modification of the Cope drainage catheter to facilitate placement. *AJR* 1986; 146: 169
 Berman HL; Katz SG; Bakal CW: replacing the broken suture in the Cope-style loop retention catheter. *AJR* 1986; 146: 590
 Berman HL; Katz SG; Tihansky DP: guided direct antegrade puncture of the superficial femoral artery. *AJR* 1986; 147: 632
 Berman L; Briggs R; Thomas RM: case report: ion-exchange resin bezoar in a neonate. *Clin Radiol* 1986; 37: 297
 Berman L; Catterall A; Meire HB: ultrasound of the hip: review of the applications of a new technique. *Br J Radiol* 1986; 59: 13
 Berman L; Hollingdale J: ultrasound appearance of positive hip instability tests. *Clin Radiol* 1987; 38: 117
 Berman L; Stringer DA; Ein S; et al: childhood diaphragmatic hernias presenting after the neonatal period. *Clin Radiol* 1988; 39: 237
 Berman L; Stringer DA; St Onge O; et al: case report: unilateral haematemesis in uterine duplication associated with renal agenesis. *Clin Radiol* 1987; 38: 545
 Berman MD See Patel D
 Berman S See Cooper RA
 Berman S See Flisak ME
 Berman W See Bodurtha J
 Berman W Jr See Eldridge MW
 Bernad PG; Ballantine HT: computed tomographic analysis of bilateral cingulotomy for intractable mood disturbance and chronic pain. *Comput Radiol* 1987; 11: 117
 Bernadac P See Claudon M
 Bernard C See Hoeftel J-C
 Bernard C See Suarez F
 Bernard S See Diard F
 Bernard TN Jr: don't discard diskography. *Radiology* 1987; 162: 285
 Bernardino ME See Baumgartner BR
 Bernardino ME See Chexmar JL
 Bernardino ME See Murphy FB
 Bernardino ME See Nadel I
 Bernardino ME See Pettigrew RI
 Bernardino ME See Steinberg HV
 Bernardino ME: focal hepatic mass screening: MR imaging or CT scanning? *Radiology* 1987; 162: 282
 Bernardino ME: management of the asymptomatic patient with a unilateral adrenal mass. *Radiology* 1988; 166: 121
 Bernardino ME; Baumgartner BR: abscess drainage in the genitourinary tract. *Radiol Clin North Am* 1986; 24: 539
 Bernardino ME; Erwin BC; Steinberg HV; Baumgartner BR; Torres WE; Gedgudas-McCles RK: delayed hepatic CT scanning: increased confidence and improved detection of hepatic metastases. *Radiology* 1986; 159: 71
 Bernardino ME; Steinberg HV; Pearson TC; Gedgudas-McCles RK; Torres WE; Henderson JM: shunts for portal hypertension: MR and angiography for determination of patency. *Radiology* 1986; 158: 57

Berne

- Berne AS See Meyers MA
 Berner AS See Oliphant M
 Bernier J See Bataini JP
 Bernier P; Coblenz C; CO₂ delivery system for double-contrast barium enema examinations, *Radiology* 1986; 159: 264
 Bernier P; Stevenson GW; Shorvon P: defecography commode, *Radiology* 1988; 166: 891
 Berns DH; Blaser S; Ross JS; et al: MR imaging with Gd-DTPA in leptomeningeal spread of lymphoma, *JCAT* 1988; 12: 499
 Berns TF See Beres J
 Bernsen PLJA; Haan J; Vielvoe GJ; et al: spinal epidural hematoma visualized by magnetic resonance imaging, *Neuroradiol* 1988; 30: 280
 Bernstein BH See Senac MO Jr
 Bernstein EF; Dilley RB; Randolph HF III: improving long-term outlook for patients over 70 years of age with abdominal aortic aneurysms, (ab), *Radiology* 1988; 169: 885
 Bernstein J; Evan AP; Gardner KD Jr: epithelial hyperplasia in human polycystic kidney diseases: its role in pathogenesis and risk of neoplasia, (ab), *Radiology* 1988; 167: 588
 Bernstein JE; Meyer K: groin hernia with inguinoscrotal herniation of the urinary bladder, *Clin Nucl Med* 1987; 12: 155
 Bernstein MA See Hollerman JJ
 Bernstein R See Hoehne KH
 Bernstein RG See Finkel J
 Bernstman I See Abdel-Dayem HM
 Berquist TH See Binkovitz LA
 Berquist TH See Ehlman RL
 Berquist TH See Larkin BT
 Berquist TH See Magnuson JE
 Berquist TH See Maus TP
 Berquist TH See Remark RR
 Berquist TH: imaging of adult cervical spine trauma, *Radiographics* 1988; 8: 667
 Berquist TH: magnetic resonance imaging of the extremities, *Semin US CT MR* 1986; 7: 320
 Berquist TH; Bender CE; Maus TP; et al: pseudobursae: useful finding in patients with painful hip arthroplasty, *AJR* 1987; 148: 103
 Berrey BH See Moser RP Jr
 Berridge MS; Franceschini MP; Tewson TJ; et al: preparation of oxygen-15 butanol for positron tomography, *J Nucl Med* 1986; 27: 834
 Berry CC See Edwards DK III
 Berry CC See Lasser EC
 Berry DF; Willing SJ; Beers GJ: small bowel obstruction due to enterolith: CT appearance, *JCAT* 1987; 11: 707
 Berry DH See Alexander JE
 Berry I See Brant-Zawadzki M
 Berry I See Colombo N
 Berry I See McNamara MT
 Berry I See Terrier F
 Berry I; Brant-Zawadzki M; Manelfe C: MRI study of a feline model of acute cerebral ischemia: contribution of paramagnetic contrast media to the diagnosis, *J Neuroradiol* 1988; 15: 95
 Berry I; Brant-Zawadzki M; Osaki L; et al: Gd-DTPA in clinical MR of the brain: 2. extraaxial lesions and normal structures, *AJNR* 1988; 7: 789
 Berry M See Aggarwal S
 Berry M See Gupta AK
 Berry M See Khosla A
 Berry M See Rao RCK
 Berry M See Sawhney S
 Berry M; Baser R; Bhargava S: amebic liver abscess: sonographic diagnosis and management, *JCU* 1986; 14: 239
 Berry MP; Jenkin RDT; Harwood AR; et al: Ewing's sarcoma: trial of adjuvant chemotherapy and sequential half-body irradiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 19
 Berry RJ See Kardamakis D
 Bersey ML See Williamson MR
 Berson AM; Castro JR; Petti P; et al: charged particle irradiation of chordoma and chondrosarcoma of the base of skull and cervical spine: the Lawrence Berkeley Laboratory experience, *Int J Radiat Oncol Biol Phys* 1988; 15: 559
 Berson M See Arbeille P
 Berson M; Roncin A; Arbeille P; et al: linear array system for deep vessel explorations, *Ultrasound Med Biol* 1987; 13: 267
 Berström M See Mosskin M
 Bertel RM See Schneider K
 Bertelsen S See Pedersen H
 Berthelsen B; Svendsen P: treatment of direct carotid-cavernous fistulas with detachable balloons, *Acta Radiol* 1987; 28: 663
 Berthezene P See Pietri H
 Berthiaume Y See Dooms GC
 Berthier M; Sierra J; Leiguarda R: intraventricular tuberculoma: report of four cases in children, *Neuroradiol* 1987; 28: 163
 Berthoty DP See Mitchell MJ
 Berthoty DP; Shulman HS; Miller HAB: elastofibroma chest wall pseudotumor, *Radiology* 1986; 160: 341
 Bertino RE; Nyberg DA; Cyr DR; et al: prenatal diagnosis of agenesis of the corpus callosum, *J Ultrasound Med* 1988; 7: 251
 Bertino RE; Porter BA; Stimac GK; et al: imaging spinal osteomyelitis and epidural abscess with short T1 inversion recovery (STIR), *AJNR* 1988; 9: 563
 Bertino RE; Wesbey GE; Johnson RJ: Horner syndrome occurring as a complication of chest tube placement, *Radiology* 1987; 164: 745
 Bertolani M; Romagnoli R; Barbolini G: diagnostic approach to pulmonary lymphangioleiomyomatosis: case report, *Eur J Radiol* 1987; 7: 60
 Bertolotti P See Beluffi G
 Bertoni F See Bignardi M
 Bertoni F See Capanna R
 Bertoni F See Present DA
 Bertrand G See Cosgrove GR
 Bertrand G See Fontaine S
 Bertrand M See Mailloux G
 Bertuch H See Pilger E
 Berzidjian DR See Finnegan MF
 Besch G; Tanner MA; Sattler CA; et al: radiation survival of human mammary carcinoma cells: criteria for an agar-based clonogenic assay, *Int J Radiat Oncol Biol Phys* 1986; 12: 75
 Besenski N; Bošnjak V; Ligutic I; et al: cortical heterotopia in Aicardi's syndrome—CT findings, *Pediatr Radiol* 1988; 18: 391
 Beshany SE See Pilla TJ
 Besjakov J See Ekberg O
 Bessell EM See Zentler-Munro PL
 Bessette JR; Maglione DDT: double-contrast barium enema study: simple conversion to CO₂, *Radiology* 1987; 162: 274
 Bessette RW See Katzberg RW
 Bessler WT See Ballmer FE
 Besson JAO See Gemmell HG
 Best DE See Wang Y
 Best JJK See Taylor RE
 Best JJK See Wardlaw MJ
 Bester L See Bagg MNJ
 Bester L; Vellet D; Chetty N; et al: plasma leukotriene C₄ and reactions to contrast media, *Br J Radiol* 1988; 61: 282
 Beth AH See Conturo TE
 Bethune WA: carcinoma of the rectum: 508 patients with failure analysis and implication for adjuvant therapy, *J Canad Assoc Radiol* 1987; 38: 209
 Betts SE See Allen KS
 Betts WL See Stanley JH
 Bettill WL Jr See Curry NS
 Betta PG See de Filippi G
 Bettelli G See Capanna R
 Betting O See Just M
 Bettmann M See Marx M
 Bettmann MA See Dunnick NR
 Bettmann MA See Gardner GA Jr
 Bettmann MA See Grassi CJ
 Bettmann MA See Reagan K
 Bettmann MA: comments on calf hematoma mimicking thrombophlebitis, *Radiology* 1986; 160: 567
 Bettmann MA: contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media: reply, *Radiology* 1988; 168: 878
 Bettmann MA: noninvasive and venographic diagnosis of deep vein thrombosis, *Cardiovasc Intervent Radiol* 1988; 11: 515
 Bettmann MA: venous air embolism on contrast-enhanced CT: chimera or Trojan horse?, *Radiology* 1988; 167: 571
 Bettmann MA; Morris TW: recent advances in contrast agents, *Radiol Clin North Am* 1986; 24: 347
 Bettmann MA; Robbins A; Braun SD; Wetzner S; Dunnick NR; Finkelstein J: contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media, *Radiology* 1987; 165: 113
 Betz H See Biedert S
 Betz RR See Hillmann JS
 Betz RR See Moyer RA
 Beute GH See Pearlberg JL
 Beute GH See Sandler MA
 Bevilacqua M See Godart G
 Bevis CRA; Shields RA; Lawson RS; et al: comparison of technetium-99m-thiodiglycolic acid and iodine-123-hippuran in the evaluation of equivocal upper urinary tract obstruction, *Br J Radiol* 1987; 60: 661
 Bewley DK See Catterall M
 Bewtra C See Forrest TS
 Beyea D See Wallace JC
 Beyer D See Krestin GP
 Beyer D See Steinbrich W
 Beyer GA; Lipman BT; Houghton VM; et al: effect of arachnoiditis on pain threshold, *Invest Radiol* 1987; 22: 781
 Beyer HK See Uhlenbrock D
 Beyer P See Volle E
 Beyer RA; Paden P; Sobel DF; et al: Moyamoya pattern of vascular occlusion after radiotherapy for glioma of the optic chiasm, (ab), *Radiology* 1987; 164: 887
 Beyers JA; Melonas CF: visible wall of a main bronchus: a new radiological sign of pneumomediastinum, *Br J Radiol* 1987; 60: 877
 Beyth Y See Fields SI
 Bezemer PD See Castellijn JA
 Bezirdjian D See Tinsade J
 Bezirdjian DR See Baker KS
 Bezirdjian DR See Tripp MD
 Bezwoda WR See Hendorff CS
 Bezzi M See Mitchell DG
 Bezzi M; Kressel HY; Allen KS; Schiebeler ML; Altman HG; Wein AJ; Pollack HM: prostatic carcinoma: staging with MR imaging at 1.5 T, *Radiology* 1988; 169: 339
 Bezzi M; Mitchell DG; Kurtz AB; et al: prominent fetal breasts: a normal variant, *J Ultrasound Med* 1987; 6: 655
 Bezzi M; Mitchell DG; Needleman L; et al: iatrogenic aneurysmal portal-hepatic venous fistula: diagnosis by color Doppler imaging, *J Ultrasound Med* 1988; 7: 457
 Bezzi M; Teggi A; De Rosa F; Capozzi A; Tucci G; Bonifacio A; Angelini L: abdominal hydatis disease: US findings during medical treatment, *Radiology* 1987; 162: 91
 Bhagavan BS; Slavin RE; Goldberg J; et al: ectopic gastrinoma and Zollinger-Ellison syndrome, (ab), *Radiology* 1986; 161: 858
 Bhamarapravati Y See Ajijamkorn S
 Bhansali DT See Jack CR Jr
 Bhargava S See Berry M
 Bhargava S See Gupta AK
 Bhargava S See Sawhney S
 Bhargava S; Vashisht S; Kakaria A; et al: choledocholithiasis—an ultrasonic study with comparative evaluation with ERCP/PTC, *Australas Radiol* 1988; 32: 220
 Bhasin S; Sartoris DJ; Fellingham L; Zlatkin MB; Andre M; Resnick D: three-dimensional quantitative CT of the proximal femur: relationship to vertebral trabecular bone density in postmenopausal women, *Radiology* 1988; 167: 145
 Bhatia NN; Ostergard DR; McQuown D: ultrasonography in urinary incontinence, (ab), *Radiology* 1987; 164: 589
 Bhatia S; Mahapatra AK; Banerji AK: air in extradural hematomas, *Neuroradiol* 1987; 29: 500
 Bhatt RCV See Wells IP
 Bhattacharyya AK; Balogh K: retroperitoneal lymphangioleiomyomatosis: 36-year benign course in a postmenopausal woman, (ab), *Radiology* 1986; 158: 858
 Bhoopat T See Marshall VG
 Bhushan B See Mohan V
 Bhushan B; Vashist GP; Prasad J; et al: osteoblastic metastases from thyroid carcinoma, (ab), *Radiology* 1986; 158: 569
 Bhushan B; Watal G; Ahmed A; et al: bone metastasis from carcinoma of the oesophagus, *Australas Radiol* 1987; 31: 414
 Bhushan B; Watal G; Mahajan R; et al: endoscopic retrograde cholangiopancreatographic features of pancreaticobiliary ascaris, *Gastrointest Radiol* 1988; 13: 327
 Bhuta S See Barsky SH
 Bhutani VK; Ritchie WG; Shaffer TH: acquired tracheomegaly in very preterm neonates, (ab), *Radiology* 1986; 161: 864
 Bia M See Rigby CM
 Bia M See Taylor KJW
 Bia MJ See Warshaw DM
 Biagini R See Ruggieri P
 Biagioli M See Silengo MC
 Biaglow JE See Dethlefsen LA
 Biaglow JE See Tuttle SW
 Biaglow JE; Varnes ME; Tuttle SW; et al: effect of L-buthionine sulfoximine on the aerobic radiation response of A549 human lung carcinoma cells, *Int J Radiat Oncol Biol Phys* 1986; 12: 1139
 Bianchi SD; Boccardi A; Mela F; et al: computed tomographic appearances of cherubism, *Skeletal Radiol* 1987; 16: 6
 Bianchini AL See Pompili A
 Bianco F; Floris R: computed tomography abnormalities in hanging, *Neuroradiol* 1987; 29: 297
 Bianco R See Casolo F
 Bianco R See Franceschini P
 Bianco R See Silengo MC
 Biberstein M See Sebrechts C
 Bice AN See Clausen M
 Bice AN; Clausen M; Loncaric S; Zeeberg B; Wagner HN Jr: distance-weighted backprojection: SPECT reconstruction technique, *Radiology* 1986; 161: 852
 Bice AN; Wagner HN Jr; Frost JJ; et al: simplified detection system for neuroreceptor studies in the human brain, *J Nucl Med* 1986; 27: 184
 Bicher HI; Wolfstein RS; Lewinsky BS; et al: microwave hyperthermia as an adjunct to radiation therapy: summary experience of 256 multifraction treatment cases, *Int J Radiat Oncol Biol Phys* 1986; 12: 1667

- Bick R See Butler H
 Bick RJ See Haaga JR
 Bick RJ; Bryan PJ: sonographic demonstration of thickened renal pelvic mucosa/submucosa in mixed candida infection, *JCU* 1987; 15: 333
 Bickers DR: photoradiation diagnosis and therapy: dermatologic and photobiologic aspects, *Invest Radiol* 1986; 21: 885
 Bidula MM; Rifkin MD; McCoy RI: ultrasonography of gastric phytobezoar, *JCU* 1986; 14: 49
 Bidwell JK See Mirvis SE
 Bidwell JK; Dunne MG: computed tomography of bladder malakoplakia, *JCAT* 1987; 11: 909
 Bidwell JK; Nelson A: prenatal ultrasonic diagnosis of congenital duplication of the stomach, *J Ultrasound Med* 1986; 5: 589
 Bidwell JK; Young JWR; Khaluff E: giant cell tumor of the spine: computed tomography appearance and review of the literature, *CT* 1987; 11: 307
 Bidwell JK; Young JWR; Saylor L: malignant fibrous histiocytoma of the spine: computed tomography appearance and review of the literature, *CT* 1987; 11: 355
 Die B; Koltai F; Wood GW; et al: noninvasive imaging of the normal temporal bone: comparison of sagittal surface coil imaging and high-resolution computed tomography, (ab), *Radiology* 1988; 169: 295
 Biedert S; Winter R; Betz H; et al: detection of intracranial carotid artery disease by continuous-wave Doppler sonography, *Neuroradiol* 1986; 28: 296
 Biedert S; Winter R; Betz H; et al: efficacy of EC-IC anastomoses: evaluation by directional-cw Doppler sonography, *Neuroradiol* 1988; 30: 98
 Biehl T See Lehner K
 Biehl T See Reiser M
 Bielecki D See Sartoris DJ
 Bielecki DK See Kerr R
 Bielecki DK; Sartoris DJ; Resnick D; et al: intrathecal and intradiscal gas in association with spinal infection: report of three cases, *AJR* 1986; 147: 83
 Biello DK See Miller TR
 Bien R See Papac RJ
 Bien S See Garcia-Cervigon E
 Bien S See Zanter J
 Bien S; Schumacher M; Detmar M: nucleolysis and diskography—an experimental study on interaction of chymopapain and contrast medium, *Neuroradiol* 1987; 29: 483
 Bier S See Hermann G
 Bier S; Halton K; Krivsky B; et al: pneumocystis carinii pneumonia presenting as a single pulmonary nodule, *Pediatr Radiol* 1986; 16: 59
 Bieri A See Floersheim GL
 Biermann W See Mohiuddin M
 Biern RO See Topol EJ
 Biernack H-J See Bockisch A
 Biernack HJ; Linke D; Brassel F; et al: technetium-99m HM-PAO brain SPECT in epileptic patients before and during unilateral hemispheric anesthesia (Wada test): report of three cases, *J Nucl Med* 1987; 28: 1763
 Bies JR See Cory DA
 Bies JR See Ellis JH
 Bieszk JA: performance changes of an Anger camera in magnetic fields up to 10 G, *J Nucl Med* 1986; 27: 1902
 Bieszk JA; Hawman EG: evaluation of SPECT angular sampling effects: continuous versus step-and-shoot acquisition, *J Nucl Med* 1987; 28: 1308
 Bigard MA See Claudon M
 Biggemann M; Hilweg D; Brinckmann P: prediction of the compressive strength of vertebral bodies of the lumbar spine by quantitative computed tomography, *Skeletal Radiol* 1988; 17: 264
 Biggs PJ: theoretical shape of cavity to locate ovoid sources, *Int J Radiat Oncol Biol Phys* 1987; 13: 1409
 Biggs PJ; Russell MD: effect of a femoral head prosthesis on megavoltage beam radiotherapy, *Int J Radiat Oncol Biol Phys* 1988; 14: 581
 Biggs PJ; Shipley WU: beam width improving device for a 25 MV x ray beam, *Int J Radiat Oncol Biol Phys* 1986; 12: 131
 Biggs PJ; Wang CC; Gitterman MM: afterloading vaginal applicator, *Int J Radiat Oncol Biol Phys* 1986; 12: 247
 Bighi S See Orzincolo C
 Bigler RE See Schmall B
 Bigliani LU See Singson RD
 Bignardi M; Bertoni F: radiation treatment with twice a day fractionation versus conventional fractionation in high grade astrocytoma: a retrospective study, *Acta Oncol* 1987; 26: 441
 Rigot JM See Musset D
 Bihi H; Maier H: unilateral gallium-67 uptake in primary tuberculosis of the major salivary glands, *Clin Nucl Med* 1987; 12: 650
 Bihi H; Sautter-Bihi ML; Riedasch G: extrarenal abnormalities in Tc-99m DTPA renal perfusion studies due to hypervascularized tumors, *Clin Nucl Med* 1988; 13: 590
 Bijvoet OLM See Papapoulos SE
 Bijvoet OLM See Vellenga CJLR
 Bilaniuk LT See Atlas SW
 Bilaniuk LT See Braffman BH
 Bilaniuk LT See Goldberg HI
 Bilaniuk LT See Gomori JM
 Bilaniuk LT See Grossman RI
 Bilaniuk LT See Hackney DB
 Bilaniuk LT See Kemp SS
 Bilaniuk LT See Nowell MJ
 Bilaniuk LT See Packer RJ
 Bilaniuk LT See Rubesin SE
 Bilaniuk LT See Spagnoli MV
 Bilaniuk LT See Zimmerman RA
 Bilaniuk LT; Atlas SW; Zimmerman RA: magnetic resonance imaging of the orbit, *Radiol Clin North Am* 1987; 25: 509
 Bilaniuk LT; Moshang T; Cara J; et al: pituitary enlargement mimicking pituitary tumor, (ab), *Radiology* 1986; 159: 573
 Bilbao JM See Miller MH
 Bilbreys GL; Weix J; Kaplan GD: value of single photon absorptiometry in osteoporosis screening, *Clin Nucl Med* 1988; 13: 7
 Bilfield BS See Manco LG
 Billah K See Ney C
 Biller DS See Beltran J
 Biller HF See Som PM
 Biller J See Adams HP Jr
 Biller J See Bruno A
 Biller J See Loes DJ
 Biller J See Smoker WRK
 Biller J See Toffel GJ
 Biller J; Adams HP Jr; Dunn V; et al: dichotomy between clinical findings and MR abnormalities in pontine infarction, *JCAT* 1986; 10: 379
 Biller J; Gentry LR; Adams HP Jr; et al: spontaneous hemorrhage in the medulla oblongata: clinical MR correlations, *JCAT* 1986; 10: 363
 Biller J; Graff-Radford NR; Smoker WRK; et al: MR imaging in "lacunar" hemiballismus, *JCAT* 1986; 10: 793
 Biller J; Hingtgen WL; Adams HP Jr; et al: cervicopharyngeal arterial dissections: a ten-year experience, (ab), *Radiology* 1987; 163: 592
 Billian C See Fei D-Y
 Billings J See Efang SMN
 Billman LA See LeVeen RF
 Billmann F See Brambs H-J
 Billmire ME See Wason S
 Billström A; Hietala S-O; Wirell S: effects of metrizoate and iohexol on the liver at visceral angiography, *Acta Radiol* 1987; 28: 707
 Bilotta W See Vas W
 Bilotta WR See Datz FL
 Bines A See Davison R
 Binet J See Mathur-De Vré R
 Binkert BL See Rosen JM
 Binkhuysen FHB; Puylaert CBA: influence of CT on radiologic utilization in The Netherlands, *Radiology* 1988; 169: 827
 Binkovitz LA; Ehnman RL; Cahill DR; Berquist TH: magnetic resonance imaging of the wrist: normal cross sectional imaging and selected abnormal cases, *Radiographics* 1988; 8: 1171
 Binkovitz LA; Hattery RR; LeRoy AJ: primary lymphoma of the bladder, *Urol Radiol* 1988; 9: 231
 Bino M See Kikinis R
 Binstock P; Barnett C; McCabe R: negative gallium scan in an AIDS patient with Pneumocystis pneumonia, *Br J Radiol* 1987; 60: 714
 Biondetti PR See Jenny AB
 Biondetti PR; Lee JKT; Ling D; Catalona WJ: clinical stage B prostate carcinoma: staging with MR imaging, *Radiology* 1987; 162: 325
 Biondetti PR; Vannier MW; Gilula LA; et al: three-dimensional surface reconstruction of the carpal bones from CT scans: transaxial versus coronal technique, *Comput Med Imag Graph* 1988; 12: 67
 Biondetti PR; Vannier MW; Gilula LA; Knapp R: wrist: coronal and transaxial CT scanning, *Radiology* 1987; 163: 149
 Biondi A See Scotti G
 Biondi A; Scialfa G; Scotti G: intracranial aneurysms: MR imaging, *Neuroradiol* 1988; 30: 214
 Biorklund A See Tennvall J
 Birch PD See Li JKW
 Birch PD; Davies AM: value of computed tomography in elephantiasis neuromatosa, *Br J Radiol* 1988; 61: 76
 Birch SJ See Odurny A
 Birchall IW See Aldridge SM
 Birchall IW; Bird GLA; Rutherford GS: case of the month: case of the forgetful gardener, *Br J Radiol* 1987; 60: 293
 Bird BL See Chui MC
 Bird CR See Diamant MJ
 Bird CR; Drayer BP; Medina M; Rekeate HL; Flom RA; Hodak JA: Gd-DTPA-enhanced MR imaging in pediatric patients after brain tumor resection, *Radiology* 1988; 169: 123
 Bird CR; Gilles FH: type I schizencephaly: CT and neuropathologic findings, *AJNR* 1987; 8: 451
 Bird CR; McMahan JR; Gilles FH; Senac MO; Aphorp JS: strangulation in child abuse: CT diagnosis, *Radiology* 1987; 163: 373
 Bird GLA See Birchall IW
 Bird K See Vick CW
 Bird RE; McLelland R: how to initiate and operate a low-cost screening mammography center, *Radiology* 1986; 161: 43
 Birdwell CR See Ryan KP
 Biriotti V See Sirinelli D
 Birkenhäger JC See Trouerbach WT
 Birkett DH See Abdel-Hafiz AA
 Birnberg FA See Gross BH
 Birnholz JC See Benacerraf BR
 Birnholz JC: algorithmic approach to accurate ultrasonic fetal weight estimation, *Invest Radiol* 1986; 21: 571
 Birnholz JC: evolution of the ultrasonic examination, (ab), *Radiology* 1986; 158: 287
 Birnholz JC: fetal lumbar spine: measuring axial growth with US, *Radiology* 1986; 158: 805
 Birnholz JC; Farrell EE: fetal hyaloid artery: timing of regression with US, *Radiology* 1988; 166: 781
 Bisburg E; Sunderam G; Reichman LB; et al: central nervous system tuberculosis with the acquired immunodeficiency syndrome and its related complex, (ab), *Radiology* 1987; 163: 294
 Biscay P; Lespinasse F; Oiry J; et al: radiobiological evaluation of a newly synthesized cysteamine derivative, *Int J Radiat Oncol Biol Phys* 1986; 12: 1469
 Bischoff PG See Russell CD
 Bishop AF See Berkman WA
 Bishop JF See Ball DL
 Bishop N; Rees MR: idiosyncratic reaction to intracoronary injection of non-ionic contrast media, *Clin Radiol* 1988; 39: 396
 Bislin L See Santoni R
 Bisler J: diagnostic ultrasound of the lower abdomen, *Radiology* 1986; 158: 342
 Bismuth H See Castaing D
 Bisset GS III See Egelhoff JC
 Bisset GS III See Towbin RB
 Bisset GS III See Wondall BH
 Bisset GS III: MR-tomographie von herz und thorax (MR tomography of the heart and thorax), vol. 3 of atlas der MR-tomographie (atlas of MR tomography), *Radiology* 1988; 167: 408
 Bisset GS III; Kaufman RA; Towbin RB; et al: case report 452, *Skeletal Radiol* 1987; 16: 666
 Bisset GS III; Kirks DR: intussusception in infants and children: diagnosis and therapy, *Radiology* 1988; 168: 141
 Bisset GS III; Kirks DR; Strife JL; et al: cor triatriatum: diagnosis by MR imaging, *AJR* 1987; 149: 567
 Bisset GS III; Oestreich AE: nuklearmedizin—diagnostik II/nuclear medicine—diagnostic II, vol. 15, pt. 3 of handbuch der medizinischen radiologie/encyclopedia of medical radiology, *Radiology* 1986; 159: 484
 Bisset GS III; Strife JL: duplex collecting system in girls with urinary tract infection: prevalence and significance, *AJR* 1987; 148: 497
 Bisset GS III; Strife JL; Dunbar JS: urography and voiding cystourethrography: findings in girls with urinary tract infection, *AJR* 1987; 148: 479
 Bisset GS III; Strife JL; Kirks DR; et al: vascular rings: MR imaging, *AJR* 1987; 149: 251
 Bisset GS III; Towbin RB: pediatric case of the day, *Radiographics* 1986; 6: 731
 Bisset GS III; Towbin RB: pediatric case of the day: annual meeting 1985, *Radiographics* 1986; 6: 508
 Bisset GS III; Towbin RB: pediatric case of the day: annual meeting, 1985, *Radiographics* 1986; 6: 917
 Bisset GS III; Towbin RB; Strife JL; Gole D: pediatric case of the day, annual meeting, 1985, *Radiographics* 1987; 7: 186
 Bisset RAL See Khan AN
 Bisset RAL; Gupta SC: hypertrophic pyloric stenosis, ultrasonic appearances in a small baby, *Pediatr Radiol* 1988; 18: 405
 Bisset RAL; Gupta SC; Zammitt-Maempel I: case report: radiographic and ultrasound appearances of an intra-mural haematoma of the pylorus, *Clin Radiol* 1988; 39: 316
 Bisset RAL; Khan AN: detection of active bleeding from a transitional cell carcinoma of the bladder by ultrasonography, *JCU* 1987; 15: 269

- Bisson G See Begin R
 Bisson G See Leclerc Y
 Bisson G See Verreault J
 Bisson G; Lamoureux G; Begin R: quantitative gallium 67 lung scan to assess the inflammatory activity in the pneumoconiosis, *Semin Nucl Med* 1987; 17: 72
 Bitritzer T; Tamir A; Oland J; et al: severe dyspnea and dysphagia resulting from an aberrant cervical thymus, (ab), *Radiology* 1986; 159: 576
 Bitar RA; Scheffel U; Murphy PA; et al: accumulation of indium-111-labeled neutrophils and gallium-67 citrate in rabbit abscesses, *J Nucl Med* 1986; 27: 1883
 Bitran J; Bekerman C; Weinstein R; et al: patterns of gallium-67 scintigraphy in patients with acquired immunodeficiency syndrome and the AIDS related complex, *J Nucl Med* 1987; 28: 1103
 Bitach K See Sillesen H
 Bitach KR See Josephsen L
 Bittar ES See Heare MM
 Bitterman P; Ariza A; Black RA; et al: multiple myeloma mimicking pituitary adenoma, *Comput Radiol* 1986; 4: 201
 Bittner V See Sanders C
 Dixon R See Laffey KJ
 Bjarnagard BE See DeWyngeart JK
 Bjerg-Nielsen A See Jensen DB
 Bjerner L; Engström-Laurent A; Lundgren R; et al: bronchoalveolar mastocytosis in farmer's lung is related to the disease activity, (ab), *Radiology* 1988; 169: 287
 Björk GR See Rasmussen T
 Bjork L; Zackrisson BF: low dose urography with a low osmolar contrast medium, *Acta Radiol* 1986; 27: 111
 Björkengren A See Baker LL
 Björkengren A See Hakej PC
 Björkengren A See Kerr R
 Björkengren A See Zlatkin MB
 Björkengren AG See Hayward I
 Björkengren AG See Pathria MN
 Björkengren AG See Zlatkin MB
 Björkengren AG; Kurz LT; Resnick D; et al: symptomatic intraspinal synovial cysts: opacification and treatment by percutaneous injection, *AJR* 1987; 149: 105
 Björkengren AG; Pathria MN; Sartoris DJ; Terkeltaub R; Edsall JM; Weisman M; Resnick D: carpal alterations in adult-onset Still disease, juvenile chronic arthritis, and adult-onset rheumatoid arthritis: comparative study, *Radiology* 1987; 165: 545
 Björkengren AG; Resnick D; Haghighi P; et al: intraosseous glomus tumor: report of a case and review of the literature, *AJR* 1986; 147: 739
 Björkengren AG; Resnick D; Sartoris DJ: entropathic arthropathies, *Radiol Clin North Am* 1987; 25: 189
 Björkengren AG; Sartoris DJ; Shermis S; et al: patterns of paravertebral ossification in the prehistoric saber-toothed cat, *AJR* 1987; 148: 779
 Björkengren AG; Weisman M; Pathria MN; et al: neuroarthropathy associated with chronic alcoholism, *AJR* 1988; 151: 743
 Björnstad PG See Lindberg H
 Blaauw G See Schipper J
 Blacher E; Johnson DE; Haynie TP: value of routine radionuclide bone scans in renal cell carcinoma, (ab), *Radiology* 1986; 159: 571
 Black GB See Rogalsky RJ
 Black KS See Fagelman D
 Black KS See Hyman RA
 Black ML; Ros PR; Smirniotopoulos JG; et al: intruscepted Meckel diverticulum: radiologic-pathologic correlation, *Comput Radiol* 1987; 11: 245
 Black P See Hernanz-Schulman M
 Black RA See Bittman P
 Black R; Fernandez-Ulloa M; anatomic and position-induced increased radiopharmaceutical uptake in the cervical spine on bone imaging, *Clin Nucl Med* 1988; 13: 483
 Black TL See Brown D
 Black WC See de Lange EE
 Black WC See Gay SB
 Black WC See Pasing MR
 Black WC See Siström CL
 Black WC See Tatu WF
 Black WC: to whom should we give the safer contrast media?, *Radiology* 1987; 163: 631
 Black WC; Armstrong P; Daniel TM; et al: computed tomography of aggressive fibromatosis in the posterior mediastinum, *JCAT* 1987; 11: 153
 Black WC; Armstrong P; Daniel TM: cost effectiveness of chest CT in TINOMO lung cancer, *Radiology* 1988; 167: 373
 Black WC; Burke JW; Feldman PS; et al: CT appearance of cervical lipoblastoma, *JCAT* 1986; 10: 696
 Black WC; Gouse JC; Williamson BRJ; et al: computed tomography of traumatic lung cyst: case report, *CT* 1986; 10: 33
 Blackbourne B See Kleinman FK
 Blackett RL See Fitzgerald EJ
 Blackford D See Newmark H III
 Blackledge G See Meanwell CA
 Blacklock JB See Doppman JL
 Blackshear JL See Orlandi C
 Blackwell CR See Shaw EG
 Bladergroen MR; Lowe JE; Postlethwait RW: diagnosis and recommended management of esophageal perforation and rupture, (ab), *Radiology* 1987; 163: 588
 Blagg RL See Beltran J
 Blaha D See Tehranzadeh J
 Blaha JD See Higgins WL
 Blair D; Rigaby C; Rosenfield AT: nubbin sign on computed tomography and sonography, *Urol Radiol* 1987; 9: 149
 Blair DN See Rapoport S
 Blair DN; Rapoport S; Sostman HD; Blair OC: normal brachial plexus: MR imaging, *Radiology* 1987; 165: 763
 Blair KM See Kloiber R
 Blair OC See Blair DN
 Blair V See Hunter RD
 Blair VP III See Wilson AJ
 Blair WF See El-Khoury GY
 Blaisdell FW See Hartling RP
 Blake GM; Gray JM; Zivanovic MA; et al: strontium-89 radionuclide therapy: a dosimetric study using impulse response function analysis, *Br J Radiol* 1987; 60: 685
 Blake GM; Zivanovic MA; Blaquiére RM; et al: strontium-89 therapy: measurement of absorbed dose to skeletal metastases, *J Nucl Med* 1988; 29: 549
 Blake GM; Zivanovic MA; McEwan AJ; et al: strontium-89 therapy: strontium kinetics and dosimetry in two patients treated for metastasising osteosarcoma, *Br J Radiol* 1987; 60: 253
 Blake PR; Branson AN; Lambert HE: combined radiotherapy and chemotherapy for advanced carcinoma of the cervix, *Clin Radiol* 1986; 37: 465
 Blake PR; Carr DH; Goolden AWG: intracranial Hodgkin's disease, *Br J Radiol* 1986; 59: 414
 Blake SW See Bonnett DE
 Blake SW See Shaw JE
 Blakely E See Linstad D
 Blanchard H See Patrinquin HB
 Bland KI See Urrutia EJ
 Bland P See Braunstein EM
 Bland PH; DiPietro MA; Chenevert TL; Hutchinson RJ; Carson PL: tissue characterization of the testes using ultrasonic CT: work in progress, *Radiology* 1986; 159: 101
 Blandino A See Pandolfo I
 Blane CE See Ho AMW
 Blane CE See Vydenary KH
 Blane CE See White SJ
 Blane CE; Calhoun JG; Vydenary KH: constructing pre- and post-tests in a medical student elective, *Invest Radiol* 1986; 21: 743
 Blane CE; DiPietro MA; Johnson MZ; et al: sonographic detection of monoamniotic twins, *JCU* 1987; 15: 394
 Blane CE; Klein MD; Drongowski RA; et al: gastroesophageal reflux in children: is there a place for the upper gastrointestinal study?, *Gastrointest Radiol* 1986; 11: 346
 Blane CE; White SJ; Wesley JR; et al: sonography of ruptured appendicitis, *Gastrointest Radiol* 1986; 11: 357
 Blangy S; Cornud F; Sibert A; et al: hepatitis tuberculosis presenting as tumoral disease on ultrasonography, *Gastrointest Radiol* 1988; 13: 52
 Blank N See Castellino RA
 Blank N See Rubin DL
 Blank N; Castellino RA: mediastinum in Hodgkin's and non-Hodgkin's lymphomas, *J Thorac Imag* 1987; 2: 66
 Blankier J See Kurjak A
 Blankier J: ultrasound diagnosis in obstetrics and gynaecology (ultraschalldiagnostik in geburtshilfe und gynäkologie), *Radiology* 1987; 162: 674
 Blankstein A See Friedman B
 Blanshard KS; Finlay DBL; Scott DJA; et al: radiological analysis of lateral ligament injuries of the ankle, *Clin Radiol* 1986; 37: 247
 Blaquiére RM See Blake GM
 Blaquiére RM See English RE
 Blaslo L See Mitchell DG
 Blaser S See Berns DH
 Blatchford JW III See Barragry TP
 Blatt J; Deutsch M; Wollman MR: results of therapy in stage IV-S neuroblastoma with massive hepatomegaly, *Int J Radiat Oncol Biol Phys* 1987; 13: 1467
 Blatter DD: phosphorus-31 magnetic resonance spectroscopy of experimentally induced arthritis in rats, *Skeletal Radiol* 1987; 16: 183
 Blattmann H See Takai M
 Blasfox MD See Kim CK
 Blasfox MD: radioactive artifacts: historical sources of modern radium contamination, *Semin Nucl Med* 1988; 18: 46
 Blasfox MD; Freeman LM: renewed role of nuclear medicine in renovascular hypertension, *Urol Radiol* 1988; 10: 35
 Blecker I See Swanson D
 Bleehen N See Nelson DF
 Bleehen NM See Ashby MA
 Bleehen NM See Bartelink H
 Bleehen NM See Newman HFV
 Bleehen NM See Roberts JT
 Bleehen NM See Smith PJ
 Bleehen NM See Twentyman PR
 Bleehen NM; Roberts JT; Newman HFV: phase II study of CCNU with benznidazole for metastatic malignant melanoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 1401
 Biel CL See Choyke PL
 Biel CL; Nirschl RP; Grant EG: Achilles tendon of pathologic conditions: US diagnosis. work in progress, *Radiology* 1986; 159: 765
 Bleicher JJ See Abu-Yousef MM
 Bleichrodt RP; Vermeij A; Piers DA; et al: early and delayed thallium 201 imaging: diagnosis of patients with cold thyroid nodules, (ab), *Radiology* 1988; 168: 295
 Bleier AR See Jolesz FA
 Bleier AR See Sandor T
 Blekenhorst G See Sealy R
 Blend M See Shanes JG
 Blend MJ; Dondalski M: diffuse lung uptake of technetium-99m sulfur colloid associated with fatty liver disease of pregnancy, *Clin Nucl Med* 1987; 12: 287
 Blery MV See Chagnon SF
 Bleyer WA See Littman P
 Blickman JG: bildgebende verfahren in der diagnostik von gallenwegserkrankungen (imaging modalities in diagnostic radiology of diseases affecting the gallbladder), *Radiology* 1986; 158: 108
 Blickman JG: die klinische wertigkeit neuer bildgebender verfahren (clinical value of the newer imaging modalities), *Radiology* 1986; 159: 174
 Blickman JG: strahlengefahrung und strahlenschutz/radiation exposure and radiation protection, vol. 20 of handbuch der medizinischen radiologie/encyclopedia of medical radiology, *Radiology* 1986; 160: 576
 Blickman JG: ultraschall präoperative diagnostik (preoperative ultrasound diagnostics), *Radiology* 1988; 167: 688
 Blickman JG: urosonographie (urologic ultrasound differential diagnosis), *Radiology* 1987; 164: 160
 Blickman JG; Wilkinson RH; Graef JW: radiologic "lead band" revisited, *AJR* 1986; 146: 245
 Bliesener JA See Ebel K-D
 Blin D See Ovtchinnikov S
 Blinc R See Kveder M
 Blinder R See Baker ME
 Blinder R See Wiener MD
 Blinder RA See Coleman RE
 Blinder RA See Feldman JM
 Blinder RA See Kier R
 Blinder RA See Spritzer CE
 Blisard KS; Kleinman R: Hirschsprung's disease: clinical and pathologic overview, (ab), *Radiology* 1987; 163: 295
 Bliss JM See Carter RL
 Blitzer A See Silver AJ
 Blitzer PH See Curran WJ
 Blitzer PH See Wang CC
 Bliven SF See Leith JT
 Bloch D See Altman R
 Bloch DA See Arnett FC
 Bloch P See Powlis WJ
 Bloch CA See McIlhenny J
 Bloch DA See Altman RD
 Bloch JB See duCret RP
 Bloch JE See Genant HK
 Bloch JE See Lang P
 Bloch JE See Steiger P
 Bloch NL See Gottlieb CF
 Bloch PC See Peterson MB
 Bloch RE; Parekh BC: deuterium nuclear spin relaxation in biological tissues, *Magn Res Med* 1987; 5: 286
 Bloch RE; Parekh BC: enhanced proton magnetic resonance imaging of experimental mammary tumors, *Magn Res Med* 1988; 6: 116
 Blocka KLN; Sibbey JT: undiagnosed chronic monarthritis: clinical and evolutionary profile, (ab), *Radiology* 1988; 168: 590
 Blocker SH See Claiborne AK
 Blocker SH See Jamroz GA
 Bloem JL See de Roos A
 Bloem JL See Falke THM

- Bloem JL See Kieft GJ
- Bloem JL: transient osteoporosis of the hip. MR imaging. *Radiology* 1988; 167: 753
- Bloem JL; Blum RM; Taminiau AHM; van Oosterom AT; Stolk J; Doornbos J: magnetic resonance imaging of primary malignant bone tumors. *Radiographics* 1987; 7: 425
- Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ: radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination. *Radiology* 1988; 169: 805
- Blom R; Witt N; Johnson ES: demonstration of a symptomatic intraventricular cyst using direct intraventricular metrizamide instillation. *AJNR* 1986; 7: 1093
- Blom RJ: pleomorphic xanthoastrocytoma: CT appearance. *JCAT* 1988; 12: 351
- Blome SA: retropharyngeal calcific tendinitis. *Australas Radiol* 1987; 31: 142
- Blomgren H See Rotstein S
- Blomgren H; Petrini B; Wasserman J; et al: changes of the blood lymphocyte population following ¹³¹I treatment for nodular goiter. *Int J Radiat Oncol Biol Phys* 1987; 13: 209
- Blomlie V; Lien HH; Fosna SD; et al: computed tomography in primary non-seminomatous germ cell tumors of the mediastinum. *Acta Radiol* 1988; 29: 289
- Blomquist E See Ostling O
- Blomqvist G See Ericson K
- Blondel D See Daniels S
- Blood RA See Libson E
- Bloodworth LL; Kershaw JB; Stevens PE; et al: failure of radiotherapy to reverse progressive pulmonary fibrosis caused by paraquat. *Br J Radiol* 1986; 59: 1037
- Bloom JG See Fuller DB
- Bloom RA See Libson E
- Bloom RA; Asaf V; Verstandig A; et al: hypertrophic osteoarthropathy and primary intestinal lymphoma. *Gastrointest Radiol* 1986; 11: 185
- Bloom RA; Libson E; Husband JE; et al: periosteal sunburst reaction to bone metastases: a literature review and report of 20 additional cases. *Skeletal Radiol* 1987; 16: 629
- Bloom RA; Libson E; Lax E; et al: assimilated osseous metastasis. *Skeletal Radiol* 1986; 15: 455
- Bloom RA; Libson E; Verstandig A; et al: tooth-root sign: a characteristic appearance of distal ureteric calculi. *Clin Radiol* 1988; 39: 212
- Bloom RJ See Baxter R
- Bloom SM; Phillips E; Paul RE Jr: optimal double-contrast visualization of the posteriorly directed duodenal bulb. *Radiology* 1986; 161: 549
- Bloom SR; Polak JM: glucagonoma syndrome. (ab). *Radiology* 1988; 166: 583
- Bloomer WD See Kalnick S
- Bloomfield CD See Lee CKK
- Bloomfield CD See Levitt SH
- Bloomfield JA: undergraduate training in radiology. *Australas Radiol* 1987; 31: 14
- Blue JW See Ngo FQH
- Blue PW See Dyde GJ
- Blue PW See Manier SM
- Blue PW; Manier SM; Chantelois AE; et al: differential diagnosis of prolonged cortical retention of radiotracer in technetium-99m DTPA renal scintigraphy. *Clin Nucl Med* 1987; 12: 77
- Blue PW; Manier SM; Ghaed N: masked obstruction of the renal collecting system. *Clin Nucl Med* 1987; 12: 497
- Blum RM See Guit GL
- Blum RM; RG See Bloem JL
- Blum RM; RG See Falke THM
- Bluestone PA See Naidich JB
- Blum E; Pearlman M; Graham D; et al: early second-trimester sonographic diagnosis of thoracopagus twins. *JCU* 1986; 14: 207
- Blum JE: trauma: conventional radiologic study in spine injury. *Radiology* 1986; 159: 390
- Blum JE; De Silva SM; Drachman DB; et al: low-dose-rate total lymphoid irradiation: a new method of rapid immunosuppression. *Int J Radiat Oncol Biol Phys* 1988; 15: 547
- Blume H See Baisman D
- Blumenfeld TS See Schnitzler CM
- Blumenkropf B; Bennett WF: delayed presentation of posttraumatic cervical disk herniation. *AJNR* 1986; 7: 722
- Blumenthal D See Scott JA
- Blumgart LH See Gibson RN
- Blumgart LH See Weinreb K
- Blumgart RL; Payne M; Rhodes AH: case report: angiolymphoma of the liver. *Clin Radiol* 1987; 38: 329
- Blumhagen JD See Rosenbaum DM
- Blumhagen JD See Weinberger E
- Blumhagen JD: role of ultrasonography in the evaluation of vomiting in infants. *Pediatr Radiol* 1986; 16: 267
- Blumhagen JD; MacLain L; Krauter D; et al: sonographic diagnosis of hypertrophic pyloric stenosis. *AJR* 1988; 150: 1367
- Blumhagen JD; Wood BJ; Rosenbaum DM: sonographic evaluation of abdominal lymphangiomas in children. *J Ultrasound Med* 1987; 6: 487
- Blunck CE See Hughes JJ
- Bluth EI See Kutcher WA
- Bluth EI: incorporating radiology technologists into the faculty of medical student clerkships in radiology: the technical aspects workshop. *Invest Radiol* 1987; 22: 343
- Bluth EI; Kay D; Merritt CRB; et al: sonographic characterization of carotid plaque: detection of hemorrhage. *AJNR* 1986; 7: 311
- Bluth EI; McVay LV III; Merritt CRB; et al: identification of ulcerative plaque with high resolution duplex carotid scanning. *J Ultrasound Med* 1988; 7: 73
- Bluth EI; Stavros AT; Marich KW; Wetters SM; Aufrichtig D; Baker JD: carotid duplex sonography: a multicenter recommendation for standardized imaging and Doppler criteria. *Radiographics* 1988; 8: 487
- Bly SHP; Lee-Chahal D; Foster DR; et al: quantitative contrast measurements in B-mode images: comparison between experiment and theory. *Ultrasound Med Biol* 1986; 12: 197
- Boag GS; Nolan RL: CT visualization of medullary sponge kidney. *Urol Radiol* 1988; 9: 220
- Boag GS; Nolan RL: sonographic features of urinary bladder involvement in regional enteritis. *J Ultrasound Med* 1988; 7: 125
- Boal DK See Batton DG
- Boal DKB See Bahia JO
- Boal DKB See Fletcher RM
- Boardman RE See Kelsey CA
- Boas RN See Leebe JM
- Boat TF See Fernald GW
- Bobba VS; Mittal BB; Hoover SV; Kepka A: classical and anaplastic seminoma: difference in survival. *Radiology* 1988; 167: 849
- Bober-Sorcinelli KE See Lacy J
- Bobert M See Furo I
- Bobman SA See Lee JN
- Bobman SA See Riederer SJ
- Bobman SA; Riederer SJ; Lee JN; Tasciyan T; Farzaneh F; Wang HZ: pulse sequence extrapolation with MR image synthesis. *Radiology* 1986; 159: 253
- Bobrowski R See Nathanson SD
- Boccardi A See Bianchi SD
- Boccardo M; Macchia G; Carloti G; et al: value of enhanced "dynamic" computed tomography in localizing a spinal juxta medullary meningioma: enhanced dynamic CT in localizing a spinal meningioma. *Neuroradiol* 1987; 29: 313
- Bocchiola FC See Epstein BM
- Bocher-Schwarz HG See Weiss W-D
- Bock E; Grandinetti F; Corcioni E; et al: lipomatosis of the pancreas: mistake in diagnostic imaging. *JCU* 1986; 14: 398
- Bock S See Arundel C
- Bock SN See Begley MG
- Bockisch A; Jäger N; Biersack H-J; et al: magnetic resonance (MR) imaging of prostatic tumours, a comparison with X-ray CT and transrectal sonography (TRS). *Eur J Radiol* 1988; 8: 54
- Bocquet B See Bouvier JF
- Boddy SAM See Bomanji J
- Bode FJ See van Buchem MA
- Bode U; Scheidt W: change of thymic size during and following cytotoxic therapy in young patients. *Pediatr Radiol* 1988; 18: 20
- Boden B See Argov Z
- Boddy GP See Khardori N
- Bodine D; Quinn SF; Cochran CF: imaging foreign glass and wooden bodies of the extremities with CT and MR. *JCAT* 1988; 12: 608
- Bodine D; Quinn SF; Kloss J; et al: reactive perineurial fibroblastic proliferation of the median nerve: MR characteristics. *JCAT* 1988; 12: 532
- Bodine D; Quinn SF; Murray WT; et al: magnetic resonance images of chronic patellar tendinitis. *Skeletal Radiol* 1988; 17: 24
- Bodine DJ See Quinn SF
- Bodner E See Kugel HE
- Bodurtha J; Kessel A; Berman W; et al: distinctive gastrointestinal anomaly associated with Coffin-Siris syndrome. (ab). *Radiology* 1988; 167: 591
- Boechat MI See Diamant MJ
- Boechat MI See Gilsanz V
- Boechat MI See Kangaroo H
- Boechat MI See Taira RK
- Boechat MI: spinal deformities and pseudofractures. *AJR* 1987; 148: 97
- Boechat MI; Gormley LS; O'Laughlin BJ: thickened cortical bones in congenital neutropenia. *Pediatr Radiol* 1987; 17: 124
- Boechat MI; Kangaroo H: MR imaging in Drash syndrome. *JCAT* 1988; 12: 405
- Boechat MI; Kangaroo H; Gilsanz V: hepatic masses in children. *Semin Roentgenol* 1988; 23: 185
- Boechat MI; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V: primary liver tumors in children: comparison of CT and MR imaging. *Radiology* 1988; 169: 727
- Boeckstyns M See Duus BR
- Boen JR See Levitt SH
- Boer RO See Bartels PC
- Boer VHT See Rodacki MA
- Boesch C; Martin E: combined application of MR imaging and spectroscopy in neonates and children: installation and operation of a 2.35-T system in a clinical setting. *Radiology* 1988; 168: 481
- Bonecke R See Bauer-Kirpes B
- Bonecke R See Schad LR
- Boesiger P See Buchli R
- Boetes C See Strijk SP
- Boethius J See Marions O
- Beeve WJ; Martijn A: case report 406. *Skeletal Radiol* 1987; 16: 67
- Bofill ER See Makhija M
- Bogacz K; Caldron P: enteric-coated aspirin bezoar: elevation of serum salicylate level by barium study—case report and review of medical management. (ab). *Radiology* 1988; 167: 290
- Bogdasarian RS See Cook KL
- Boger DC: traction device to improve CT imaging of lower cervical spine. *AJNR* 1986; 7: 719
- Boggan JE See Gooding GAW
- Boggan JE See McGahan JP
- Boggan JE See Ross BD
- Bogl W See Hammermaier A
- Bogman MJT See Strijk SP
- Bognanno JR; Edwards MK; Lee TA; et al: cranial MR imaging in neurofibromatosis. *AJNR* 1988; 9: 461
- Bogoch E See Leekam RN
- Bogouslavsky J See Fox AJ
- Bogouslavsky J; Regli F: ischemic stroke in adults younger than 30 years of age: cause and prognosis. (ab). *Radiology* 1987; 165: 887
- Bogouslavsky J; Regli F: ischemic stroke in adults younger than 30 years of age: cause and prognosis. (ab). *Radiology* 1988; 166: 914
- Bogouslavsky J; Regli F: unilateral watershed cerebral infarcts. (ab). *Radiology* 1987; 162: 887
- Bogouslavsky J; Regli F; Van Melle G; et al: migraine stroke. (ab). *Radiology* 1988; 169: 589
- Bogren HG; Underwood SR; Firmin DN; et al: magnetic resonance velocity mapping in aortic dissection. *Br J Radiol* 1988; 61: 456
- Bogusky RT; Garwood M; Matson GB; et al: localization of phosphorus metabolites and sodium ions in the rat kidney. *Magn Res Med* 1986; 3: 251
- Bohan TP See Byrd SE
- Böhlen S See Stewart F
- Bohlman H See Modic MT
- Bohlman H See Ross JS
- Bohlman HH See Huetfle MG
- Bohlman ME See Goldman SM
- Bohlman ME; Ensor RE; Sanders RC: sonographic findings in adenomyosis of the uterus. *AJR* 1987; 148: 765
- Bohm G See Dremsek PA
- Böhm-Völz M See Fleischer AC
- Böhm-Völz M See Mendelson EB
- Bohndorf K; Reiser M; Lechner B; et al: magnetic resonance imaging of primary tumours and tumour-like lesions of bone. *Skeletal Radiol* 1986; 15: 511
- Bohnen JM See Jones BA
- Bohrer SP See Klein A
- Bohrer SP See Wiggins T
- Bohrer SP: annulus vacuum sign. *Skeletal Radiol* 1986; 15: 233
- Bohrer SP: bone changes in the extremities in sickle cell anemia. *Semin Roentgenol* 1987; 22: 176
- Bohrer SP: diagnostic imaging in hemophilia. *Radiology* 1986; 158: 308
- Bohrer SP: essentials of skeletal radiology. vols. 1 and 2. *Radiology* 1987; 165: 158
- Bohrer SP: orthopaedic radiology. *Radiology* 1988; 169: 386
- Bohrer SP: osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation. *Radiology* 1986; 161: 277
- Bohrer SP: radiology of acute cervical spine trauma. 2d edition. *Radiology* 1987; 165: 170
- Bohrer SP; Chen YM: cervical spine annulus vacuum. *Skeletal Radiol* 1988; 17: 324
- Bohrer SP; Choplin RH: diagnostic approach to chest diseases: differential diagnosis based on roentgenographic patterns. 3d ed. *Radiology* 1987; 165: 730
- Bohrer SP; Klein A; Martin V: V-shaped predens space. (ab). *Radiology* 1986; 158: 570

- Bohrer SP; Watson NE: radionuclide bone imaging and densitometry, *Radiology* 1988; 168: 546
- Boijesen E See Aspin P
- Boijesen E See Petersson H
- Boijesen M See Kewenter J
- Boijesen M; Jacobson L; Tylén U: renal function measured by x-ray fluorescence analysis: a comparison between contrast medium clearance and non-simultaneous ^{51}Cr -EDTA clearance, *Acta Radiol* 1987; 28: 581
- Boileau M; Foley R; Flechner S; et al: renal adenocarcinoma and end stage kidney disease, (ab), *Radiology* 1988; 166: 909
- Boileau MA See Russell KJ
- Boillot A See Coche G
- Boissel F See Claudon M
- Boissierie-Lacroix M; Kien P; Caille JM: imaging of intradural extramedullary tumours: neurinomas and meningiomas, *J Neurosurg* 1987; 14: 66
- Boissierie-Lacroix M; Martigne C; Laurent F; et al: pleuroparacardiac cyst in an unusual location: the value of magnetic resonance, *Comput Med Imag Graph* 1988; 12: 277
- Boisvert J See Pedicelli G
- Boitard C See Viard J-P
- Bojanowski W; Rigamonti D; Spetzler RF; et al: angiographic demonstration of the meningeal branch of the posterior cerebral artery, *AJNR* 1988; 9: 808
- Bok LR See Shetty PC
- Boldt DW See De Campo JF
- Bolen FH See Smith R
- Bolen JW See Freeny PC
- Bolen JW Jr; de Lange EE; Frierson HF Jr: infiltrating angiolipoma of skeletal muscle: MR findings, *JCAT* 1988; 12: 681
- Bolger JJ See Kader HA
- Bolia A See Naik DR
- Bolia AA: case report: diagnosis and hydrostatic reduction of an intussusception under ultrasound guidance, (ab), *Radiology* 1986; 159: 571
- Bolinger L See Renshaw PF
- Bolinger L See Schnall MD
- Bolkier M See Moskowitz B
- Bollar A; Martinez R; Gelabert M; et al: anomalous origin of the anterior cerebral artery associated with aneurysm—embryological considerations, *Neurosurg* 1988; 30: 86
- Bollerslev J See Andersen PE Jr
- Bolli R See Rokey R
- Bollinger B: bone changes in diffuse congenital lipomatosis, *Neurosurg* 1987; 29: 104
- Bollinger B; Knudsen LL: frontal epidural haematoma with ipsilateral exophthalmos, *Neurosurg* 1987; 29: 315
- Bolondi L See Livraghi T
- Bolondi L; Bortolotti M; Santi V; et al: measurement of gastric emptying time by real-time ultrasonography, (ab), *Radiology* 1986; 160: 573
- Bolondi L; Casanova P; Caletti GC; Grigioni W; Zani L; Barbara L: primary gastric lymphoma versus gastric carcinoma: endoscopic US evaluation, *Radiology* 1987; 165: 821
- Bolondi L; Casanova P; Santi V; et al: sonographic appearance of the normal gastric wall: in vitro study, *Ultrasound Med Biol* 1986; 12: 991
- Bolson EL See Sheehan FH
- Bolt DW See Howat AJ
- Bolton JS See Hayes DH
- Bom N; Slager CJ; van Egmond FC; et al: intra-arterial ultrasonic imaging for recanalization by spark erosion, *Ultrasound Med Biol* 1988; 14: 257
- Bomalaski JS; Williamson PK; Goldstein CS: infectious arthritis in renal transplant patients, (ab), *Radiology* 1986; 161: 283
- Bomanji J; Boddy SAM; Britton KE; et al: radionuclide evaluation pre- and postextracorporeal shock wave lithotripsy for renal calculi, *J Nucl Med* 1987; 28: 1284
- Bomanji J; Britton KE: uterine uptake of iodine-123 metaiodobenzylguanidine during the menstrual phase of uterine cycle, *Clin Nucl Med* 1987; 12: 601
- Bomanji J; Flatman WD; Horne T; et al: quantitation of iodine-123 MIBG uptake by normal adrenal medulla in hypertensive patients, *J Nucl Med* 1987; 28: 319
- Bomanji J; Levison DA; Flatman WD; et al: uptake of iodine-123 MIBG by pheochromocytomas, paragangliomas, and neuroblastomas: histopathological comparison, *J Nucl Med* 1987; 28: 973
- Bomanji J; Levison DA; Zuzarte J; et al: imaging of carcinoid tumors with iodine-123 metaiodobenzylguanidine, *J Nucl Med* 1987; 28: 1907
- Bomanji J; Nimmon CC; Hungerford JL; et al: ocular radiolabelled muscimol: sensitivity and practical considerations, *J Nucl Med* 1988; 29: 1031
- Bombardier C See Gladman DD
- Bomber P; McCready R; Hammersley P: propranolol hydrochloride enhancement of tumor perfusion and uptake of gallium-67 in a mouse sarcoma, *J Nucl Med* 1986; 27: 243
- Bombi JA See Ayuso MC
- Bombard CK See Walton L
- Bomsdorf H See Haase A
- Bomsdorf H See Mathaei D
- Bona X See Martinez A
- Bonadonna G See Jaletta E
- Bonakdarpour A See Herman SD
- Bonakdarpour A See Hillmann JS
- Bonakdarpour A See Mesgarzadeh M
- Bonakdarpour A See Meyer RA
- Bonaly A See Frija G
- Bonamo JJ See Rafil M
- Bond OB See Sattler LF
- Bond WH; Mould J: single radium insertion for treatment of early carcinoma of the cervix: rationale and results, *Clin Radiol* 1986; 37: 573
- Bond WH; Mould J: uterine body carcinoma: staging anomaly, *Clin Radiol* 1986; 37: 571
- Bondeson L See Löfgren M
- Bondestam S See Taavitsainen M
- Bondi F See Mancuso L
- Bondurant FJ See Kulkarni MV
- Bone RC; Fox RI; Howell FV; et al: Sjögren's syndrome: persistent clinical problem, (ab), *Radiology* 1986; 158: 860
- Bone SN; Johnson GA; Thompson MB: three-dimensional magnetic resonance microscopy of the developing chick embryo, *Invest Radiol* 1986; 21: 782
- Bonetti MC See Incalzi RA
- Bonfanti N See Cecchini A
- Bonfiglio MM See Buckwalter JA
- Bonfiglio TA See Griffiths HJ
- Bongiorno P See Nath R
- Bonheim P See Buffo G
- Boniface GR; Suresh MK; Willans DJ; et al: renal tubular receptor imaging with iodine-131-labeled peanut lectin: pharmacokinetics and renal clearance mechanism in animals, *J Nucl Med* 1986; 27: 668
- Bonifacio A See Bezzi M
- Bonnard V See Garel L
- Bonnemain B; Hartl C; Cardinal A; et al: tolerability of hypertonic and isotonic contrast media injected intravenously: a comparative study in the dog, *Invest Radiol* 1988; 23: 478
- Bonner H See Schwartz EE
- Bonnett DE See Shaw JE
- Bonnett DE; Blay SW; Shaw JE; et al: Clatterbridge high-energy neutron therapy facility: specification and performance, *Br J Radiol* 1988; 61: 38
- Bonneville JF See Daniels DL
- Bonow RO See Bacharach SL
- Bonsib SM See Weiner CP
- Bonsignore M See Pistolesi M
- Bonte FJ: chernobyl retrospective, *Semin Nucl Med* 1988; 18: 16
- Bonte FJ; Ross ED; Chehab HH; et al: SPECT study of regional cerebral blood flow in Alzheimer disease, *JCAT* 1986; 10: 579
- Boobis LH See Tuck JS
- Booijs PE See Doornbos J
- Bookbinder MJ See Warshaw DM
- Bookstein FL See Glazer GM
- Bookstein FL See Li KC
- Bookstein JJ See Davis GB
- Bookstein JJ See Lurie AL
- Bookstein JJ See Maitzel AS
- Bookstein JJ See Valji K
- Bookstein JJ: cavernosal venocclusive insufficiency in male impotence: evaluation of degree and location, *Radiology* 1987; 164: 175
- Bookstein JJ: penile angiography: the last angiographic frontier, *AJR* 1988; 150: 47
- Bookstein JJ; Lang EV: penile magnification pharmacocardiography: details of intrapenile arterial anatomy, *AJR* 1987; 148: 883
- Bookstein JJ; Valji K; Parsons L; et al: penile pharmacocavernosography and cavernosometry in the evaluation of impotence, (ab), *Radiology* 1987; 165: 296
- Bookstein JJ; Valji K; Parsons L; et al: pharmacocardiography in the evaluation of impotence, (ab), *Radiology* 1987; 164: 883
- Booler RV; Moores BM; Doves T; et al: digital ionography: preliminary results, *Br J Radiol* 1987; 60: 515
- Bools JC See Beltran J
- Bools JC; Rose BS: traumatic atlantooccipital dislocation: two cases with survival, *AJNR* 1986; 7: 901
- Boon AW See Naik DR
- Boonkitticharoen V; Ehrhardt JC; Kirchner PT: radiometric assay of bacterial growth: analysis of factors determining system performance and optimization of assay technique, *J Nucl Med* 1987; 28: 209
- Boonstra AM; van Weerden TW; te Strake L; et al: ultrasonography of the peroneal nerve muscle group in normal subjects and patients with peroneal palsy, *JCU* 1988; 16: 17
- Boorstein JM; Spizary DL: case report 476, *Skeletal Radiol* 1988; 17: 208
- Boos GJ See Herba MJ
- Boote EJ; Zagzebski JA: performance tests of Doppler ultrasound equipment with a tissue and blood-mimicking phantom, *J Ultrasound Med* 1988; 7: 137
- Booth A See Buirski G
- Booth A See Kutt E
- Booth AJ; Bruce DI; Steiner GM: ultrasound diagnosis of splenic injuries in children—the importance of free peritoneal fluid, *Clin Radiol* 1987; 38: 395
- Boothroyd AE; Barson AJ: pulmonary interstitial emphysema—a radiological and pathological correlation, *Pediatr Radiol* 1988; 18: 194
- Boothroyd AE; Russell JGB: lead apron: room for improvement?, *Br J Radiol* 1987; 60: 203
- Boraker DK See Miller DL
- Borchert RD See Orzel JA
- Borden SIV See Caro PA
- Bore PJ See Oberhaensli RD
- Bore PJ; Galloway GJ; Styles P; et al: are quenchers dangerous?, *Magn Res Med* 1986; 3: 112
- Borello JA See Buckwalter KA
- Borello JA; Chenover TL; Meyer CR; Aisen AM; Glazer GM: chemical shift-based true water and fat images: regional phase correction of modified spin-echo MR images, *Radiology* 1987; 164: 531
- Borenstein DG; Simon GL: hemophilus influenzae septic arthritis in adults: report of four cases and a review of the literature, (ab), *Radiology* 1987; 162: 589
- Borenstein MT See Hilton E
- Borer J See Williams DO
- Borer JS; Miller D; Schreiber T: radionuclide cineangiography in acute myocardial infarction: role in prognostication, *Semin Nucl Med* 1987; 17: 89
- Boretos JW See Doppman JL
- Borg U See Mirvis SE
- Borg JH; Keijzer AH: conservative breast cancer treatment: analysis of cosmetic results and the role of concomitant adjuvant chemotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1173
- Borghys D See Raeymaekers HH
- Borgström A See Fork F-T
- Borgström P See Ekberg O
- Borgström PS; Olsson R; Sundkvist G; et al: pharyngeal and oesophageal function in patients with diabetes mellitus and swallowing complaints, *Br J Radiol* 1988; 61: 817
- Borin BF; Abghari R; Sarkissian A: skeletal photopenic appearance of Paget's disease with indium-111 white blood cell imaging, *Clin Nucl Med* 1987; 12: 783
- Boris P See Kjaer M
- Borkan AM See Baumgartner WA
- Borlaza GS See Lee F
- Bornert P See Dreher W
- Borning AW See Haynor DR
- Borstein J; Charboneau JW; Hartman GW: leiomyoma of the bladder: sonographic and urographic findings, *J Ultrasound Med* 1986; 5: 407
- Borochowitz Z; Berant M; Kristal H: spondylometaphyseal dysplasia: further heterogeneity, *Skeletal Radiol* 1988; 17: 181
- Borovich B See Braun J
- Borovich B; Braun J; Guilburd JN; et al: delayed onset of traumatic extradural hematoma, (ab), *Radiology* 1986; 159: 573
- Borowsky LM See Teplick SK
- Borrelli E See Giomarelli PP
- Borrelli MJ; Frizzell LA; Dunn F: ultrasonically induced morphological changes in the mammalian neonatal spinal cord, *Ultrasound Med Biol* 1986; 12: 285
- Borrello J See Glazer GM
- Borrello JA See Glazer GM
- Borrero GO; Jafri SZH; Vazquez PM; et al: computed tomography of acute renal abscess due to salmonella chester, *Comput Radiol* 1986; 10: 41
- Borrero GO; Miller PR; Vora K; et al: acute ureteral obstruction as a complication of suprapubic catheterization, *Urol Radiol* 1987; 9: 171
- Borricio S See Ambrose JA
- Bors S See Rudas G
- Borsch G See Wegner M
- Borthne A; Kjellevid K; Kaalhus O; et al: salivary gland malignant neoplasms: treatment and prognosis, *Int J Radiat Oncol Biol Phys* 1986; 12: 747
- Borthwick-Clarke A See Davies AC
- Bortolotti M See Bolondi L
- Boruchowsky S See Zwas ST
- Borzykowski M See Saxton HM
- Boscalini M See Pietri H
- Boscarini M See Verna E
- Bosco P See Hauser CJ
- Bosq M See Arnaud O

- Boshra Y See Kolawole TM
 Bosiger P See McKinnon GC
 Bösiger P See Meier D
 Bosiger P See Schopflin RE
 Bosio U See Di Filippo G
 Bosio CB See Di Piero V
 Boska MD See Matsen GB
 Boskovic D See Boskovic D
 Boskovic D; Elezovic I; Boskovic D; et al: late thrombosis of the Björk-Shiley tilting disc valve in the tricuspid position: thrombolytic treatment with streptokinase, (ab), *Radiology* 1987; 162: 294
 Bosma JF See Rubenstein SE
 Bosniak MA See Hulnick DH
 Bosniak MA See Megibow AJ
 Bosniak MA See Schwartz JM
 Bosniak MA See Smith SJ
 Bosniak MA: current radiological approach to renal cysts, *Radiology* 1986; 158: 1
 Bosniak MA; Megibow AJ; Hulnick DH; et al: CT diagnosis of renal angiomyolipoma: the importance of detecting small amounts of fat, *AJR* 1988; 151: 497
 Bošnjak V See Belenski N
 Boschietti EB See Kromhout D
 Bosse DA See Lovren RE
 Bosse M See Gellad FE
 Bosshart D See Howland WJ
 Bossuyt M See Casselman JW
 Boswell SB See Benson CB
 Boswell SB See Trisolini MG
 Boswell WD Jr See Barakos JA
 Boswell WD Jr See Radin DR
 Boswell WD Jr See Ralls PW
 Bosworth JL; Packer S; Rotman M; Ho T; Finger FT: choroidal melanoma: 1-125 plaque therapy, *Radiology* 1988; 169: 249
 Bot H See Delemarre BJ
 Botti JM See Wahl RL
 Bottles K See Jeffrey RB Jr
 Bottles K See Nyberg DA
 Bottles K; McPhaul LW; Volberding P: fine-needle aspiration biopsy of patients with the acquired immunodeficiency syndrome (AIDS): experience in an outpatient clinic, (ab), *Radiology* 1988; 168: 592
 Bottomley PA See Hardy CJ
 Bottomley PA: noninvasive study of high-energy phosphate metabolism in human heart by depth-resolved ³¹P NMR spectroscopy, (ab), *Radiology* 1986; 158: 862
 Bottomley PA; Charles HC; Roemer PB; et al: human in vivo phosphate metabolite imaging with ³¹P NMR, *Magn Res Med* 1988; 7: 319
 Bottomley PA; Drayer BF; Smith LS: chronic adult cerebral infarction studied by phosphorus NMR spectroscopy, *Radiology* 1986; 160: 763
 Bottomley PA; Herfkens RJ; Smith LS; Bashore TM: altered phosphate metabolism in myocardial infarction: P-31 MR spectroscopy, *Radiology* 1987; 165: 703
 Bottomley PA; Smith LS; Brazzamaso S; et al: fate of inorganic phosphate and pH in regional myocardial ischemia and infarction: a noninvasive ³¹P NMR study, *Magn Res Med* 1987; 5: 129
 Bottoms SF See Zador IE
 Botvinick EH See Garrett JS
 Botvinick EH See McNamara MT
 Botvinick EH: breast attenuation artifacts in Tl-201 scintigraphy, *Radiology* 1988; 168: 878
 Botvinick EH; O'Connell WJ; Dae MW; et al: analysis of thallium-201 "washout" from parametric color coded images, *J Nucl Med* 1988; 29: 302
 Boucaut H See Chatterton BE
 Boucaut H; Vion-Dury J
 Bouchard A; Lipton MJ; Farmer DW; et al: evaluation of regional ventricular wall motion by ECG-gated CT, *JCAT* 1987; 11: 969
 Boucher CA See Gill JB
 Boucher CA See Homma S
 Boucher CA See Kaul S
 Boucher CA See Strauss HW
 Boucher D See Brun P
 Boucher J; Heon M; Levesque R-Y: demonstration radiologique d'un kyste épidermoïde intradural rupture, *J Canad Assoc Radiol* 1987; 38: 17
 Bouchex MC See Dubos JP
 Boudreau RJ See duCret RP
 Boudreau RJ See Loken MK
 Boudreau RJ See Sirr SA
 Boudreau RJ; Burbidge S; Sirr S; et al: comparison of the biodistribution of manganese-54 DTPA and gadolinium-153 DTPA in dogs, *J Nucl Med* 1987; 28: 349
 Boudreau RJ; duCret RP; Juenemann P; et al: utility of gallium-technetium subtraction imaging in evaluation of pulmonary involvement by lymphoma, *Clin Nucl Med* 1987; 12: 766
 Boudreau RJ; Johnson T; duCret RP; et al: nonfunctional photomultiplier tubes can produce subtle total-body scan defects, *Clin Nucl Med* 1987; 12: 554
 Boudreau RJ; Loken MK: functional imaging of the heart, *Semin Nucl Med* 1987; 17: 28
 Boudreaux GJ See Skafianakis GN
 Bouffard JA See Jafri SZH
 Boukila-Hassane A See Mathieu D
 Boulay F; Danchin N; Neimann J-L; et al: echocardiographic features of right atrial thrombi, *JCU* 1986; 14: 601
 Boulden TF See Magill HL
 Boulter N See Abbattucci JS
 Boulos RS See Jack CR Jr
 Boulos RS See Quint DJ
 Boulbee JE See Morgan TCN
 Boulware DW See Hedgcock MT
 Boumghar M See Snyder F
 Bourmphey F See Masaryk TJ
 Bourdillon F; role of NHS hospitals in the preparedness for nuclear accidents, *Br J Radiol* 1987; 60: 1171
 Bourdon F See Nicot V
 Bourgeois JM See Godlewski G
 Bourgoignie JJ See Skafianakis GN
 Bourgouin P; Cousineau G; Lemire P; et al: differentiation of radiation-induced fibrosis from recurrent pulmonary neoplasm by CT, *J Canad Assoc Radiol* 1987; 38: 23
 Bourgouin PM See Oestmann JW
 Bourgouin PM; Shepard JO; McLoud TC; Spizaryn DL; Dedrick CG: transthoracic needle aspiration biopsy: evaluation of the blood patch technique, *Radiology* 1988; 166: 93
 Bourgouin PM; Shepard JO; Moore EH; et al: plexiform neurofibromatosis of the mediastinum: CT appearance, *AJR* 1988; 151: 461
 Bourguet F See Bretagne J-F
 Bourguet F See Raoul J-L
 Bourguet F; Delaval P; Herry JY: direct quantitation of thoracic gallium-67 uptake in sarcoidosis, *J Nucl Med* 1986; 27: 1550
 Bourland JD; Reynolds KL; Chaney EL; et al: integrated system for interstitial ¹⁹²Ir implants, *Int J Radiat Oncol Biol Phys* 1987; 13: 455
 Bourne EE: late venous rupture after angioplasty of an arteriovenous dialysis fistula, *AJR* 1988; 150: 797
 Boussas D See Pappis CH
 Bousquet J-C See Mueller PR
 Bousquet J-C See Saini S
 Bousquet J-C; Goze A; Hassan M; et al: leiomyosarcoma of the inferior vena cava: ultrasonographic appearance, *J Ultrasound Med* 1987; 6: 7
 Bousquet J-C; Saini S; Stark DD; Hahn PF; Nigam M; Wittenberg J; Ferrucci JT Jr: Gd-DOTA: characterization of a new paramagnetic complex, *Radiology* 1988; 166: 693
 Boussignac G See Geschwind HJ
 Bousvaros A; Kirks DR; Grossman H: imaging of neuroblastoma: overview, *Pediatr Radiol* 1986; 16: 89
 Boutin H See Grignon A
 Bouvier JF; Bouquet B; Lahneche BE: gallium-67 studies in a patient with multiple muscular abscesses, *Clin Nucl Med* 1986; 11: 807
 Bouvier J-F; You E; Feu J-Y; et al: diffuse uptake of technetium-99m pertechnetate in a patient with metastases from thyroid carcinoma, *Clin Nucl Med* 1986; 11: 728
 Bouyoucef SE See Thivolle P
 Bouyase S See Laval-Jeantet AM
 Bova JG; Dutton NE; Goldstein HM; et al: medication-induced esophagitis: diagnosis by double-contrast esophagography, *AJR* 1987; 148: 731
 Bove AA See Holmes DR
 Bove KE See Babcock DS
 Bove KE: pathology of selected abdominal masses in children, *Semin Roentgenol* 1988; 23: 147
 Bovee WMMJ See de Graaf AA
 Bovee WMMJ See Mathur-De Vré R
 Boven E See van Harskamp G
 Boven K See Roodhooft AM
 Bowditch M See Williams AR
 Bowen A See Pedicelli G
 Bowen A See Segel MC
 Bowen A See Tobben PJ
 Bowen A: vomiting infant: recent advances and unsettled issues in imaging, *Radiol Clin North Am* 1988; 26: 377
 Bowen B; Ros PR; McCarthy MJ; Otmsted WW; Hjertstad BM: gastrointestinal teratomas: CT and US appearance with pathologic correlation, *Radiology* 1987; 162: 431
 Bowen BJ See Sherman JL
 Bowen D See Ashby MA
 Bowen JR See Kumar SJ
 Bowering JH See Schenck DA
 Bowering CK See Hayward RS
 Bowerman RA See Adler RS
 Bowerman RA See Penna DR
 Bowerman RA See Platt JF
 Bowerman RA: tangential sulcal echoes: potential pitfall in the diagnosis of parenchymal lesions on cranial sonography, *J Ultrasound Med* 1987; 6: 685
 Bowerman RA; DiPietro MA: erroneous sonographic identification of fetal lateral ventricles: relationship to the echogenic periventricular "blush", *AJNR* 1987; 8: 661
 Bowerman RA; Penna DR; Jongeward RH Jr: sonographic identification of an unusual complication of midtrimester pregnancy termination: unrecognized intra-abdominal extrusion of fetal parts, *JCU* 1988; 16: 119
 Bowers JE See DelBalso AM
 Bowie JD See Cohan RH
 Bowie JD See Fein AB
 Bowie JD See Gale JT
 Bowie JD See Hertzberg BS
 Bowie JD See Kirks DR
 Bowie JD See Mahony BS
 Bowie JD See Tamas DE
 Bowie JD See Wiener MD
 Bowie JD See Yankes JR
 Bowles CR See Daves ML
 Bowles CR; Olcott C IV; Pakter RL; et al: diffuse arterial narrowing as a result of intimal proliferation: a delayed complication of embolization with the Fogarty balloon catheter, (ab), *Radiology* 1988; 169: 588
 Bowman RL See Doppman JL
 Bowman TL See Brateman L
 Bowsher WG See Fitzgerald EJ
 Bowshley S See Nutwood HM
 Bowyer FM See Clements R
 Bowyer FM See Whyte AM
 Boxen I: inability of bone and gallium imaging to differentiate acute gouty arthritis from septic arthritis, *Clin Nucl Med* 1986; 11: 443
 Boxer DT: case of the month: the dry tap, *Br J Radiol* 1988; 61: 267
 Boxer RA; Fishman M; LaCorte MA; et al: cardiac MR imaging in Pompe disease, *JCAT* 1986; 10: 857
 Boxer RA; LaCorte MA; Singh S: evaluation of the aorta in the Marfan syndrome by magnetic resonance imaging, (ab), *Radiology* 1987; 162: 886
 Boxer RA; Singh S; LaCorte MA; et al: cardiac magnetic resonance imaging in children with congenital heart disease, (ab), *Radiology* 1987; 164: 590
 Box LM See Fried R
 Box LM See Gardiner GA Jr
 Box LM See Grassi CJ
 Box LM: recent developments in digital imaging, *Radiology* 1986; 159: 110
 Box LM; Meyerovitz MF; Taus RH; et al: use of digital video coronary arteriography in the performance of percutaneous transluminal coronary angioplasty, *Cardiovasc Intervent Radiol* 1987; 10: 55
 Box LM; Meyerovitz MF; Taus RH; Ganz P; Friedman PL; Levin DC: side branch occlusion complicating percutaneous transluminal coronary angioplasty, *Radiology* 1986; 161: 681
 Box LM; Rich S; Fried R; et al: automated morphologic evaluation of pulmonary arteries in primary pulmonary hypertension, *Invest Radiol* 1986; 21: 906
 Boyadjis TA; D'Alton RA: orbital involvement by multiple myeloma: case report, *CT* 1986; 10: 145
 Boyages J: problem of local control in patients with advanced breast cancer—combined modality approach, *Australas Radiol* 1986; 30: 60
 Boyages J; Langlands AO: efficacy of combined chemotherapy and radiotherapy in advanced non-metastatic breast cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 71
 Boyce S See Baer T
 Boyd CM See Angtuaco TL
 Boyd CM See Balachandran S
 Boyd CM See Behjati K
 Boyd CM See McGuire EL
 Boyd CM See Shah HR
 Boyd CM See Williamson MR
 Boyd DP See Asimakopoulos PA
 Boyd GS See Monks R
 Boyd MC; Steinbok P: choroid plexus tumors: problems in diagnosis and management, (ab), *Radiology* 1988; 166: 591
 Boyd SG See Kendall BE
 Boyer M See Kikuchi Y
 Boyer M See Malnor MD
 Boyer RS See Crawford SC
 Boyer RS See Pollei SR
 Boyer RS; Jaffe BB; Nixon GW; et al: trampoline fracture of the proximal tibia in children, *AJR* 1986; 146: 83
 Boyer de Latour F See Martin B
 Boyer M; Fourcade Y; Sebag A; et al: aneurysmal dilatation of the portal vein: case diagnosed by real-time ultrasonography, *Gastrointest Radiol* 1986; 11: 319
 Boykin M See Bauman JM
 Boykin M; Hartshorne MF; Bauman JM; et al: last surviving wall, *Clin Nucl Med* 1987; 12: 751
 Boyko EJ See Lipsky BA

- Boyko OB See Rothchild PA
- Boyko OB; Becker GJ; Burt RW; et al: application of SPECT scanning with I-123 HIPDM to forensic medicine. *JCAT* 1986; 10: 885
- Boyko OB; Becker GJ; Burt RW: vascular pseudotumor of the pelvis as demonstrated by technetium-99m MDP skeletal scintigraphy. *Clin Nucl Med* 1987; 12: 238
- Boyko OB; Cory DA; Cohen MD; et al: MR imaging of osteogenic and Ewing's sarcoma. *AJR* 1987; 148: 317
- Boyko OB; Park H-M; Edwards MK; Wellman HN; Glazier MC; Marquart CL; Kung HF: I-123 HIPDM SPECT imaging and cerebral angiography for EC-IC bypass evaluation. *Radiographics* 1987; 7: 563
- Boyle B See Wholey MH
- Boyle MJ See Sarr SA
- Boyle RR Jr See Yoshino MT
- Boysen M See Asperstrand F
- Boz G See De Paoli A
- Bozeman RE See Zerhouni EA
- Bozynski ME; Nagle RA; Russell EJ: real-time ultrasonographic surveillance in the detection of CNS involvement in systemic Candida infection. *Pediatr Radiol* 1986; 16: 235
- Bozynski ME; Nelson MN; Matalon TAS; et al: prolonged mechanical ventilation and intracranial hemorrhage: impact on developmental progress through 18 months in infants weighing 1,200 grams or less at birth. (ab). *Radiology* 1987; 165: 591
- Bozza A See Dal Pozzo G
- Bozza L; Bastianello S; Fantozzi LM; et al: angiographic, CT and MRI study of cryptic brain stem vascular malformations. *J Neuroradiol* 1988; 15: 148
- Borzetti F See Audilio RA
- Brackman R See Schipper J
- Bracard S See Claudon M
- Bracard S; Claude D; Vespignani H; et al: scanography and IRM de la maladie de Marchiafava-Bignami (computerized tomography and MRI in Marchiafava-Bignami disease). *J Neuroradiol* 1986; 13: 87
- Bracard S; Marchal J-C; Auque J; et al: craniofacial fractures and brain injuries. *J Neuroradiol* 1986; 13: 265
- Bracchi M See Nelson MD Jr
- Bracchi M See Savolardo M
- Bracchi M See Valentini MC
- Brace JA See Tate T
- Brachman MB; Rothman BJ; Ramanna L; et al: false-positive iodine-131 body scan caused by a large renal cyst. *Clin Nucl Med* 1988; 13: 416
- Bracken RB: renal carcinoma: clinical aspects and therapy. *Semin Roentgenol* 1987; 22: 241
- Brackmann DE See Gherini SG
- Brackmann DE See Horn KL
- Brackmann DE See Lo WWM
- Brada M See Verger E
- Bradac GB See Schorner W
- Bradac GB; Fernst R; Bender A; et al: peritumoral edema in meningiomas: radiological and histological study. *Neuroradiol* 1986; 28: 304
- Bradac GB; Riva A; Schörner W; et al: cavernous sinus meningiomas: an MRI study. *Neuroradiol* 1987; 28: 578
- Bradley N; Johnson RJ; Read G: abdominal computed tomography in teratoma of the testis: its accuracy in Stage I disease and an assessment of the distribution of retroperitoneal lymph-node metastases in other stages of the disease. *Br J Radiol* 1987; 60: 487
- Bradford BF; Abdenour GE Jr; Frank JL; et al: usual and unusual radiologic manifestations of acquired immunodeficiency syndrome (AIDS) and human immunodeficiency virus (HIV) infection in children. *Radiol Clin North Am* 1988; 26: 341
- Bradford PF See Jasinski RW
- Bradley BR See Ballerio C
- Bradley BR See Burbank FH
- Bradley CM See Chakera TMH
- Bradley DA; Chong CS: associated x-ray spectra of Amersham caesium-137 afterloading sources. *Br J Radiol* 1987; 60: 175
- Bradley EL III: management of infected pancreatic necrosis by open drainage. (ab). *Radiology* 1988; 167: 586
- Bradley JS See Noorbehesht B
- Bradley PJ See Morgan DAL
- Bradley PJ See Vallis MP
- Bradley WG See Dietrich RB
- Bradley WG See Tsuruda JS
- Bradley WG: when should GRASS be used? *Radiology* 1988; 169: 574
- Bradley WG; Glenn BJ: effect of variation in slice thickness and interslice gap on MR lesion detection. *AJNR* 1987; 8: 1057
- Bradley WG Jr See Dietrich RB
- Bradley WG Jr See Holshouser BA
- Bradley WG Jr See McMurdo SK Jr
- Bradley WG Jr See Marshall VG
- Bradley WG Jr See Stein MG
- Bradley WG Jr See Teitelbaum GP
- Bradley WG Jr: comparing costs and efficacy of MRI. *AJR* 1986; 146: 1307
- Bradley WG Jr: flow phenomena in MR imaging. *AJR* 1988; 150: 983
- Bradley WG Jr; Kortman KE; Burgoyne B: flowing cerebrospinal fluid in normal and hydrocephalic states: appearance on MR images. *Radiology* 1986; 159: 611
- Bradley WG Jr; Tsuruda JS: MR sequence parameter optimization: an algorithmic approach. *AJR* 1987; 149: 815
- Bradley-Simpson B See Ratner AV
- Bradpiece HA See Gibson RN
- Bradshaw JD: special report: the stereotactic radiosurgery unit in Sheffield. *Clin Radiol* 1986; 37: 277
- Bradus RJ; Hybarger P; Gooding GAW: parotid gland: US findings in Sjögren syndrome: work in progress. *Radiology* 1988; 169: 749
- Brady LW See Giles GM
- Brady LW: radiation therapy oncology group—1987. *Int J Radiat Oncol Biol Phys* 1988; 15: 537
- Brady LW; Cox JD; Markoe AM: clinical summary: challenge of local tumor control and its impact on survival. *Int J Radiat Oncol Biol Phys* 1986; 12: 705
- Brady LW; Davis LW; Levitt SH; et al: report from the trustees of the American Board of Radiology. *Int J Radiat Oncol Biol Phys* 1986; 12: 993
- Brady LW; Kramer S; Wasserman TH; et al: radiation therapy oncology group: an outline of clinical research activities. *Int J Radiat Oncol Biol Phys* 1988; 14: 53
- Brady LW; Markoe AM; DeUillis T; et al: gynecology: combined radiotherapy and chemotherapy in gynecologic oncology. *Int J Radiat Oncol Biol Phys* 1988; 14: 5203
- Brady LW; Markoe AM; Fisher S: president's address: cancer cure with organ preservation using radiation therapy. *Radiology* 1986; 160: 1
- Brady LW; Perez CA; Bedwinek JM: failure patterns in gynecologic cancer. *Int J Radiat Oncol Biol Phys* 1986; 12: 549
- Brady LW; Woo DV; Heindel ND; et al: therapeutic and diagnostic uses of modified monoclonal antibodies. *Int J Radiat Oncol Biol Phys* 1987; 13: 1535
- Brady LW Jr See Pendergrass HP
- Brady MB See Cooper SD
- Brady MB See Sotile SC
- Brady MB; Brogdon BG: cardiac herniation and volvulus: radiographic findings. *Radiology* 1986; 161: 657
- Brady MB; Ewing RH; Robinson AE; et al: flank mass and pain in a 72-year-old man. *Invest Radiol* 1986; 21: 419
- Brady TJ See Buxton RB
- Brady TJ See Edelman RR
- Brady TJ See Kaul S
- Brady TJ See Lauffer RB
- Brady TJ See Meuli RA
- Brady TJ See Rosen BR
- Brady TJ See Rosenthal DI
- Brady TJ See Saini S
- Brady TJ See Stark DD
- Brady TJ See Stratemeyer EJ
- Brady TJ See White EM
- Braffman B; Keller R; Gendal ES; et al: subdiaphragmatic bronchogenic cyst with gastric communication. *Gastrointest Radiol* 1988; 13: 309
- Braffman BH See Grossman RI
- Braffman BH; Bilaniuk LT; Eagle RC Jr; et al: MR imaging of a carcinoembryonic antigen metastatic to the orbit. *JCAT* 1987; 11: 891
- Braffman BH; Bilaniuk LT; Zimmerman RA: central nervous system manifestations of the phakomatoses on MR. *Radiol Clin North Am* 1988; 26: 773
- Braffman BH; Zimmerman RA; Rabichong P: cranial nerves III, IV, and VI: a clinical approach to the evaluation of their dysfunction. *Semin US CT MR* 1987; 8: 185
- Braffman BH; Zimmerman RA; Trojanowski JQ; et al: brain MR: pathologic correlation with gross and histopathology. 1. lacunar infarction and Virchow-Robin spaces. *AJNR* 1988; 9: 621
- Braffman BH; Zimmerman RA; Trojanowski JQ; et al: brain MR: pathologic correlation with gross and histopathology. 2. hyperintense white-matter foci in the elderly. *AJNR* 1988; 9: 629
- Braga CA See Hricak H
- Braganza JM See Jenkins JPR
- Bragg DG See Harnsberger HR
- Bragg DG: annual oration 1985. tribute to Henry Seymour Kaplan, M.D. *Radiology* 1986; 159: 289
- Bragg DG: how the NIH processes a grant application: implications for radiology. *Invest Radiol* 1987; 22: 66
- Bragg DG; Colby TV; Ward JH: annual oration 1985: new concepts in the non-Hodgkin lymphomas: radiologic implications. *Radiology* 1986; 159: 291
- Braham RI See Aronson LJ
- Brahimi L; Bacha L; Koslowski K; et al: acromesomelic dysplasia—a new type: report of two siblings. *Pediatr Radiol* 1988; 18: 67
- Brahme A See Ahnesjö A
- Brahme A: design principles and clinical possibilities with a new generation of radiation therapy equipment: a review. *Acta Oncol* 1987; 26: 403
- Brahme A; Agren A-K: optimal dose distribution for eradication of heterogeneous tumors. *Acta Oncol* 1987; 26: 377
- Brahme A; Lind B; Nafstad P: radiotherapeutic computed tomography with scanned photon beams. *Int J Radiat Oncol Biol Phys* 1987; 13: 95
- Brailion A; Revert R; Remond A; et al: transcatheter embolization of liver capsule perforation during transvenous liver biopsy. *Gastrointest Radiol* 1986; 11: 279
- Brainard JR; Hoekenga DE; Hutson JY: metabolic consequences of anoxia in the isolated, perfused guinea pig heart: anaerobic metabolism of endogenous amino acids. *Magn Res Med* 1986; 3: 673
- Brainin M; Reisner T; Neuhold A; et al: topological characteristics of brainstem lesions in clinically definite and clinically probable cases of multiple sclerosis: an MRI study. *Neuroradiol* 1987; 29: 530
- Braithwaite M See McLaughlin SJ
- Braitner S See Heller H
- Braman SS See Rosen JM
- Braman SS; Dunn SM; Amico CA; et al: complications of intrathecal transport in critically ill patients. (ab). *Radiology* 1988; 167: 589
- Bramble J See Pretorius DH
- Brambs H-J See Spamer C
- Brambs H-J; Billmann P; Hoppe-Seyler F; et al: esophagus after injection sclerotherapy of varices. (ab). *Radiology* 1986; 159: 575
- Brambs HJ; Spamer C; Volk B; et al: diagnostic value of ultrasound in duodenal stenosis. *Gastrointest Radiol* 1986; 11: 135
- Brammer HM See Derrig P
- Bramson RT See Rush BH
- Branch HM See Rifkin MD
- Branch RA See McNeal GR
- Brand FW See MacMoran JW
- Brand WJ; Schneider PA; Tokars RP: long term results of a pilot study of low dose cranial-spinal irradiation for cerebellar medulloblastoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 1641
- Brandis M-G See Kogelnik HD
- Brandon CJ See Stuck KJ
- Brandon JC See Laffey PA
- Brandon JC; Glick SN; Teplick SK; et al: emphysematous cholecystitis: pitfalls in its plain film diagnosis. *Gastrointest Radiol* 1988; 13: 33
- Brandon JC; Teplick SK; Haskin PH; Sammon JK; Muhr WF; Hofmann AF; Gambesia RA; Zitomer N: common bile duct calculi: updated experience with dissolution with methyl tertiary butyl ether. *Radiology* 1988; 166: 665
- Brandone H See Kurtz JM
- Brandt DJ; Johnson CD; Stephens DH; et al: imaging of fibrolamellar hepatocellular carcinoma. *AJR* 1988; 151: 295
- Brandt DJ; MacCarty RL; Charbonneau JW; et al: gallbladder disease in patients with primary sclerosing cholangitis. *AJR* 1988; 150: 571
- Brandt L See Larsson E-M
- Brandt LJ See Frager DH
- Brandt LJ See Wolf EL
- Brandt LJ; Katz HJ; Wolf EL; et al: simulation of colonic carcinoma by ischemia. (ab). *Radiology* 1986; 158: 568
- Brandt M See König H-J
- Brandt TD See Rothenberg DM
- Branson AN See Blake PR
- Branson J See Nicolson V
- Brant WE See Forte MD
- Brantley SD; Schlesinger AE; Orzel JA; et al: intrasosseous rheumatoid nodule. *Pediatr Radiol* 1987; 17: 432
- Brantley SD; Spies JB: thoracodorsal artery aneurysm caused by fibromuscular dysplasia. *AJR* 1987; 149: 1067
- Brantly P See Zerhouni EA
- Brant-Zawadzki M See Berry I
- Brant-Zawadzki M See Bryan RN
- Brant-Zawadzki M See Burke DR
- Brant-Zawadzki M See Dooms GC
- Brant-Zawadzki M See Kramer JH
- Brant-Zawadzki M See Kucharczyk W
- Brant-Zawadzki M See Lemme-Plaghos L
- Brant-Zawadzki M See McMurdo SK Jr

- Brant-Zawadzki M See McNamara MT
 Brant-Zawadzki M See Olsen WL
 Brant-Zawadzki M See Sze G
 Brant-Zawadzki M: CT of the brain is alive and well: reply. *Radiology* 1988; 167: 878
 Brant-Zawadzki M; Berry I; Osaki L; et al: Gd-DTPA in clinical MR of the brain: I. intraxial lesions. *AJNR* 1986; 7: 781
 Brant-Zawadzki M; Pereira B; Weinstein P; et al: MR imaging of acute experimental ischemia in cats. *AJNR* 1986; 7: 7
 Brant-Zawadzki M; Weinstein P; Bartkowski H; et al: MR imaging and spectroscopy in clinical and experimental cerebral ischemia: review. *AJNR* 1987; 8: 39
 Brant-Zawadzki MN See Mark AS
 Brant-Zawadzki MN See Sze G
 Brant-Zawadzki M: MR imaging of the brain. *Radiology* 1988; 166: 1
 Brar HS See De Vore GR
 Brar MK; Cubberley DA; Baly BJ; et al: chest wall hamartoma in a fetus. *J Ultrasound Med* 1988; 7: 217
 Brash RC See Ehman RL
 Brash RC See McNamara MT
 Brash RC See Montgomery AB
 Brash RC See Moore SG
 Brash RC See Ogan MD
 Brash RC See Paajanen H
 Brash RC See Revel D
 Brash RC See Schmiedl U
 Brash RC: ultrafast computed tomography for infants and children. *Radiol Clin North Am* 1988; 26: 277
 Brash RC; Bennett HF: considerations in the choice of contrast media for MR imaging. *Radiology* 1988; 166: 897
 Brash RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ: upper airway obstruction in infants and children: evaluation with ultrafast CT. *Radiology* 1987; 165: 459
 Brassard N See Lagrange JL
 Brassard R See Fontaine S
 Brasse F See Hoeft JC
 Brasse F See Biersack HJ
 Brateman L: chemical shift imaging: review. *AJR* 1986; 146: 971
 Brateman L: potential hazards from movable radiographic tables. *Radiology* 1987; 165: 878
 Brateman L; Bowman TT; Dymstra S; et al: magnetic field shimming by Fourier analysis. *Magn Res Med* 1988; 6: 459
 Bratt C-G; Granerus G: 125 I-hippuran absorption from the human renal pelvis. (ab). *Radiology* 1987; 163: 291
 Bratton CB See Hopkins AL
 Brauer K See Wollmer P
 Brauer M See Lunt JA
 Brauer M; Penney HF; Janowska-Wieczorek A; et al: cryoprotective effects of dimethyl sulfoxide on human bone marrow as studied by 31 P nuclear magnetic resonance spectroscopy. *Magn Res Med* 1986; 3: 203
 Braun IF See Barrow DL
 Braun IF See Davis PC
 Braun IF See Malko JA
 Braun IF See Mandelblatt SM
 Braun IF See Som PM
 Braun IF; Malko JA; Davis PC; et al: behavior of Pantopaque on MR: in vivo and in vitro analyses. *AJNR* 1986; 7: 997
 Braun J See Borovich B
 Braun J; Borovich B; Guillard JN; et al: acute subdural hematoma mimicking epidural hematoma on CT. *AJNR* 1987; 8: 171
 Braun J; Gdal-On M; Goldsher D; et al: traumatic carotid aneurysm secondary to cavernous sinus penetration by wood: CT features. *JCAT* 1987; 11: 525
 Braun J; Guillard JN; Borovich B; et al: occipital aneurysmal bone cyst: CT features. *JCAT* 1987; 11: 880
 Braun JP See Tournade A
 Braun M; Cosnard G; Cabanis EA; et al: I. R. M. et neurinomes (NMR imaging and neuromas). *J Neuroradiol* 1986; 13: 209
 Braun M; McCarthy AL: voxel distortion in NMR imaging with non-uniform steady fields. *Australas Radiol* 1987; 31: 322
 Braun SD See Bettmann MA
 Braun SD See Cohan RH
 Braun SD See Illescas FF
 Braun SD See Perlmutter LM
 Braun SD See Saeed M
 Braun SD See Sussman SK
 Braun SD: percutaneous insertion of the Kimray-Greenfield filter. *Radiology* 1988; 167: 283
 Braunschweiger PG; Schiffer LM; Furmansk P: 1 H-NMR relaxation times and water compartmentalization in experimental tumor models. *Magn Res Imag* 1986; 4: 335
 Braunschweiger PG; Schiffer LM; Furmansk P: measurement of extracellular water volumes in tissues by gadolinium modification of 1 H-NMR spin lattice (T1) relaxation. *Magn Res Imag* 1986; 4: 285
 Braunstein EM See Aisen AM
 Braunstein EM See Cantor RM
 Braunstein EM See Cook KL
 Braunstein EM See Ho A
 Braunstein EM See Howe MA
 Braunstein EM See Lynn MD
 Braunstein EM See Rogers LF
 Braunstein EM See Trengren SW
 Braunstein EM; Capek P; Buckwalter K; Mand P; Meyer CR: adaptive histogram equalization in digital radiography of destructive skeletal lesions. *Radiology* 1988; 166: 883
 Braunstein EM; Goldstein SA; Ku J; et al: computed tomography and plain radiography in experimental fracture healing. *Skeletal Radiol* 1986; 15: 27
 Braunstein EM; Menerey K; Martel W; et al: radiologic features of a pyrophosphate-like arthropathy associated with long-term dialysis. *Skeletal Radiol* 1987; 16: 437
 Braunstein EM; White SJ; Russell W; et al: paleoradiologic evaluation of the Egyptian royal mummies. *Skeletal Radiol* 1988; 17: 348
 Braunstein P See McCalley MG
 Braunwald E See Parker JA
 Braunwald E See Williams DO
 Braver J See Shapir J
 Braver JM; Jones TB; Brooks JR: sonographic appearance of the pancreatic duct following transpapillary septectomy. *J Ultrasound Med* 1986; 5: 459
 Braverman RM See Siegelman SS
 Bray BE See Simons MA
 Bray JF See Hamlin JA
 Brayden GP See Johnson MR
 Brayshaw CI See Broadbridge AT
 Brazee-Lamontagne L; Charlin B; Levesque R-Y; Lussier A: cricoarytenoiditis: CT assessment in rheumatoid arthritis. *Radiology* 1986; 158: 463
 Brazier W See Specker BL
 Brazzamaso S See Bottomley PA
 Brazzini A; Hunter DW; Darcy MD; Smith TF; Cragg AH; Castaneda-Zuniga WR; Amplatz K: safe splenoportography. *Radiology* 1987; 162: 607
 Bream FR See Green CE
 Breatnach E; Stanley RJ; Bueschen AJ: CT demonstration of spontaneous extrusion of staghorn calculus. *JCAT* 1986; 10: 346
 Breatnach ES See Chakraborty DP
 Breatnach ES See Sanders C
 Breatnach ES; Nath PH; Delany DJ: role of computed tomography in acute and subacute mediastinitis. *Clin Radiol* 1986; 37: 139
 Breaux E; Burns JR: outpatient extracorporeal shock-wave lithotripsy. (ab). *Radiology* 1987; 164: 884
 Brechbiel MW See Frank JA
 Brechbiel MW See Magenst M
 Brecht-Kraus D; Kusmerek J; Hellwig D; et al: quantitative bone scintigraphy in patients with hyperparathyroidism. *J Nucl Med* 1987; 28: 458
 Breckenridge RE See Franken EA Jr
 Breckle K See Hill LM
 Breckle R See Ragozzino MW
 Bree RL See Amendola MA
 Bree RL See Glazer GM
 Bree RL See Platt JF
 Bree RL See Rains GJ
 Bree RL See Schultz SR
 Bree RL; Schwab RE; Glazer GM; Fink-Bennett D: varied appearances of hepatic cavernous hemangiomas with sonography, computed tomography, magnetic resonance imaging and scintigraphy. *Radiographics* 1987; 7: 1153
 Breedveld FC; Algra FR; Vielvoys CJ; et al: magnetic resonance imaging in the evaluation of patients with rheumatoid arthritis and subluxations of the cervical spine. (ab). *Radiology* 1987; 163: 886
 Breen JF See Carlson HC
 Bregger RK See Daniels DL
 Bregger RK See Houghton VM
 Bregger RK See Kilgore DP
 Bregger RK; Casavonke LF; Kass EG; et al: truncation artifact in MR images of the intervertebral disk. *AJNR* 1988; 9: 825
 Bregger RK; Papke RA; Pajunas KW; Houghton VM; Williams AL; Daniels DL: benign extraaxial tumors: contrast enhancement with Gd-DTPA. *Radiology* 1987; 163: 427
 Bregger RK; Wehrli FW; Charles HC; et al: reproducibility of relaxation and spin-density parameters in phantoms and the human brain measured by MR imaging at 1.5 T. *Magn Res Med* 1986; 3: 649
 Bregman MD See Yohem KH
 Bretier N See Trott K-R
 Breitz HB; Siroffs PS; Graham MM: cardiac calcification causing arrhythmia detected by technetium-99m MDP and SPECT. *Clin Nucl Med* 1988; 13: 153
 Breitz HB; Siroffs PS; Nelp WB; et al: progressive pulmonary calcification complicating successful transplantation. (ab). *Radiology* 1988; 168: 292
 Brem RF See Scarlata JC
 Bremer AM See Eisenberg RA
 Bremer PO See Sundrehagen E
 Brenbridge AN; Chevallier RL; Kaiser DL: increased renal cortical echogenicity in pediatric renal disease: histopathologic correlations. *JCU* 1986; 14: 595
 Brenbridge NAG See Pope TL Jr
 Brendel AJ See Barot J-L
 Brendel AJ; Guyot M; Jeandot R; et al: thallium-201 imaging in the follow-up of differentiated thyroid carcinoma. *J Nucl Med* 1988; 29: 1515
 Brennan J See Strickland B
 Brennan MD See Forbes G
 Brennan MF See D'Ambrosio FG
 Brennan RP; Pearlstein AE; Miller SA: computed tomography of the kidneys in a patient with methoxyflurane abuse. *JCAT* 1988; 12: 155
 Brennan SS See O'Connor MK
 Brennan TG See Lodge JFA
 Brennen SE See Clarkson DM
 Brenner M See Pugh P
 Brenner S See Zaltzman S
 Brennhovd IO See Hult H
 Brenoit P See Pernes JM
 Brenowitz JB; Kayser KL; Johnson WD: results of coronary artery endarterectomy and reconstruction. (ab). *Radiology* 1988; 168: 884
 Brent BN See Marx M
 Breerton HD See Gallagher MJ
 Breerton IM See Brooks WM
 Breerton IM See Buisling JM
 Breerton IM See Doddrell DM
 Breerton IM See Galloway GJ
 Breerton IM See Irving MG
 Breerton IM; Brooks WM; Marshman MF; et al: low-power NMR volume selection by slicing z magnetization. *Magn Res Med* 1987; 5: 586
 Bresnahan JC See Chakraborty DW
 Bresnahan EL; Alpern MR; Glazer GM; Francis IR; Ensminger WD: hypervascular hepatic metastases: CT evaluation. *Radiology* 1987; 162: 49
 Bresnahan EL; Francis IR; Glazer GM; et al: bolus contrast medium enhancement for distinguishing pleural from parenchymal lung disease: CT features. *JCAT* 1987; 11: 436
 Bresnahan EL; Marr CS; Gore RM; et al: evaluation of ectopic bone by CT. *AJR* 1987; 148: 931
 Bresnahan EL; Rubin JM; McCracken S: sonographic parallel channel sign: a reappraisal. *Radiology* 1987; 164: 343
 Brestowsky H See Kalender WA
 Bret F See Bret PM
 Bret PM See Herba MJ
 Bret PM See Matter D
 Bret PM; Bretagnolle M; Fond A; et al: use of large silicone catheters in patients with long-term percutaneous transhepatic biliary drainage. *Cardiovasc Intervent Radiol* 1986; 9: 57
 Bret PM; Bretagnolle M; Partensky C; et al: hepatic scar along a transhepatic biliary drainage tract simulating metastatic disease. *JCU* 1987; 15: 56
 Bret PM; de Stempel JV; Atri M; Lough JO; Illescas FF: intrahepatic bile duct and portal vein anatomy revisited. *Radiology* 1988; 169: 405
 Bret PM; Fond A; Bretagnolle M; Valette PJ; Thiesse P; Lambert R; Labadie M: percutaneous aspiration and drainage of hydatid cysts in the liver. *Radiology* 1988; 168: 617
 Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P: abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy. *Radiology* 1986; 159: 345
 Bret PM; Labadie M; Bretagnolle M; et al: hepatocellular carcinoma: diagnosis by percutaneous fine needle biopsy. *Gastrointest Radiol* 1988; 13: 253
 Bret PM; Reinhold C; Herba M; et al: replaced or right accessory hepatic artery: can ultrasound replace angiography? *JCU* 1988; 16: 245
 Bret PM; Sente J-M; Bretagnolle M; et al: ultrasonically guided fine-needle biopsy in focal intrahepatic lesions: six years' experience. *J Canad Assoc Radiol* 1986; 37: 5
 Bretagne J-F See Raoul J-L
 Bretagne J-F; Raoul J-L; Bourguet P; Duvauferrier K; Deugnier Y; Faroux R; Ramée A; Herby J-Y; Gastard J: hepatic artery injection of I-131-labeled lipiodol. part II. preliminary results of therapeutic use in patients with hepatocellular carcinoma and liver metastases. *Radiology* 1988; 168: 547
 Bretagnolle M See Bret PM

Bretagnolle

- Bretagnolle M See Casola G
 Bretagnolle M See Matter D
 Bretagnolle M See Bret PH
 Bretan P See Vigneron DB
 Bretan PN Jr See Hricak H
 Bretan PN Jr; Busch MP; Hricak H; et al: chronic renal failure: significant risk factor in the development of acquired renal cysts and renal cell carcinoma: case reports and review of the literature. (ab). *Radiology* 1986; 161: 574
 Bretan PN Jr; Vigneron DB; Hricak H; McClure RD; Yen TSB; Moseley M; Tanagho EA; James TL: assessment of testicular metabolic integrity with P-31 MR spectroscopy. *Radiology* 1987; 162: 867
 Bretland PM: costing imaging procedures. *Br J Radiol* 1988; 61: 54
 Breton E See Le Bihan D
 Breton G See Lafortune M
 Bretsky SS See Huvoos AG
 Brett CM: use of intravenous sedatives in infants and children. (ab). *Radiology* 1988; 167: 592
 Bretzel H See Ellwatt JW
 Brew B See Houang MTW
 Brewer EJ See Jones MM
 Brewer EJ Jr See Arroyo IL
 Brewer ML See Stanisic TH
 Brewer ML; Kinnison ML; Perler BA; White RI Jr: blue toe syndrome: treatment with anticoagulants and delayed percutaneous transluminal angioplasty. *Radiology* 1988; 166: 31
 Brewer WH See Cook DE
 Brewer WH See Vick CW
 Brewin TB See Going JJ
 Brewster DC See Walker TG
 Brewster LJ See Mohan R
 Brey WW See Narayana PA
 Breyer B See Kurjak A
 Brick SH; Caroline DF; Lev-Toaff AS; Friedman AC; Grumbach K; Radecki PD: esophageal disruption: evaluation with iohexol esophagography. *Radiology* 1988; 169: 141
 Brick SH; Friedman AC; Pollack HM; Fishman EK; Radecki PD; Siegelbaum MH; Mitchell DG; Lev-Toaff AS; Caroline DF: urachal carcinoma: CT findings. *Radiology* 1988; 169: 377
 Brick SH; Hill MC; Lande IM: mistaken or indeterminate CT diagnosis of hepatic metastases: the value of sonography. *AJR* 1987; 148: 723
 Brick SH; Taylor GA; Potter BM; Eichelberger MR: hepatic and splenic injury in children: role of CT in the decision for laparotomy. *Radiology* 1987; 165: 643
 Brickman I See Kundel HL
 Bridge JHB See Spitzer KW
 Bridges R See Cohen AJ
 Brigg DJ See Anderson H
 Briggs R See Berman L
 Briggs RC; Amberson SM: colloid shift following blunt trauma. *J Nucl Med* 1987; 28: 188
 Briggs RW See Mamourian AC
 Bright J See Halden WJ Jr
 Bright RA; Morrison AS; Brissan J; et al: relationship between mammographic and histologic features of breast tissue in women with benign biopsies. (ab). *Radiology* 1988; 168: 587
 Bright RW See Young JWR
 Brightman RC See Chervenak FA
 Briguot A See Lahrech H
 Briguot A; Chankij J; Desorbay G; et al: phase contrast in magnetic resonance imaging perspectives for chemical shift imaging. *Magn Res Imag* 1986; 4: 431
 Brihaye C; Butler TA; Knapp FF Jr; et al: new osmium-191/iridium-191m radionuclide generator system using activated carbon. *J Nucl Med* 1986; 27: 380
 Brikmann I See Powlis WD
 Brikman IS See De Simone DN
 Brill AB See Slosman DO
 Brill AB See Yamamoto K
 Brill CB See Schwab FJ
 Brill DR: colonic varices demonstrated by technetium-99m red cell scintigraphy. *Clin Nucl Med* 1987; 12: 176
 Brill PW See Jagannath A
 Brill PW See Kleinman PK
 Brill PW See Sherman C
 Brill PW See Winchester P
 Briller RA See Keller MW
 Brinberg DE; Carr MF Jr; Premkumar A; et al: isolated ventral pancreatitis in an alcoholic with pancreas divisum. *Gastrointest Radiol* 1988; 13: 323
 Brincat S; Mantell BS: case report: partial relapse of Bell's palsy following superficial radiotherapy to a basal cell carcinoma in the temple. *Clin Radiol* 1986; 37: 411
 Brincker H: problems associated with comparisons of response-defined subsets of patients in randomized trials: treatment-related bias and response migration. *Acta Oncol* 1987; 26: 425
 Brinckmann P See Biggemann M
 Brindley DC See Park H-M
 Brindley GS See Baldy RE
 Briner U See Rudin M
 Brinquez WL III; Chappuis CW; Cohn J Jr; et al: early gastric cancer: 21-year experience. (ab). *Radiology* 1987; 162: 586
 Brink JA; Sheets FW; Dines KA; et al: quantitative assessment of burn injury in porcine skin with high-frequency ultrasonic imaging. *Invest Radiol* 1986; 21: 645
 Brinker JA See Powe NR
 Brinker RA See Zeiss J
 Brinko RE See Kenney PJ
 Brinko RE See Panicek DM
 Brion N See Levy M
 Brisbon NE See De Simone DN
 Briscoe C See Patterson J
 Brisman J See Lundstedt C
 Brismar J: skeletal scintigraphy of the wrist in suggested scaphoid fracture. *Acta Radiol* 1988; 29: 101
 Brismar J; Gustafson T: bone scintigraphy in staging of bladder carcinoma. *Acta Radiol* 1988; 29: 251
 Brissan J See Bright RA
 Britton AC See Schmiedl U
 Britt EJ See Haponik EF
 Britt RR See Enzmann DR
 Britton CA; Wholey MH: radiation exposure of personnel during digital subtraction angiography. *Cardiovasc Intervent Radiol* 1988; 11: 108
 Britton J See Naidich TP
 Britton J; Marsh H; Kendall B; et al: MRI and hydrocephalus in childhood. *Neuroradiol* 1988; 30: 310
 Britton KE See Bomanji J
 Britton KE See Granowicz M
 Britton KE See Jafri RA
 Britton PD See Reed DH
 Brizel DM; Weinstein H; Hunt M: failure patterns and survival in pediatric soft tissue sarcoma. *Int J Radiat Oncol Biol Phys* 1988; 15: 37
 Brizendine M See Ginzton LE
 Broadbridge AT; Bayliss SG; Brayshaw CI: effect of intrathecal iohexol on visual evoked response latency: comparison including incidence of headache with iopamidol and metrizamide in myelographic radiology. *Clin Radiol* 1987; 38: 71
 Broadfoot J See De Silva M
 Broadwater JR See Williamson MR
 Brochstein JA See Shank B
 Brochu P See Pelletier VA
 Brock R; Mueller PR: Hollister disk and bag system for intractable pericatheter leakage: method for controlling psychological and physical disability. *AJR* 1986; 146: 869
 Brock WA See Arundel C
 Brock WA See Peters LJ
 Brockmann WP; Klapper R: palliative punctures in polycystic liver and kidney disease under sonographic monitoring. (ab). *Radiology* 1986; 158: 566
 Brockmann WP; Maas R; Voigt H; et al: changes in peripheral lymph nodes as seen via sonography. (ab). *Radiology* 1986; 158: 863
 Brodack JW See Minton MA
 Brodack JW; Kilbourn MR; Welch MJ; et al: application of robotics to radiopharmaceutical preparation: controlled synthesis of fluorine-18 16 α -fluoroestradiol-17 β . *J Nucl Med* 1986; 27: 714
 Brodell GK See Rao BK
 Broder GJ See Gatenby RA
 Brodner RA See McCormack J
 Brodsky RJ; Friedman AC; Maurer AH; et al: hepatic cavernous hemangioma: diagnosis with ^{99m}Tc-labeled red cells and single-photon emission CT. *AJR* 1987; 148: 125
 Brody AS: tomodesitometric corps entier (computed tomography of the body). *Radiology* 1986; 158: 694
 Brody AS; Embury SH; Mentzer WC; et al: preservation of sickle cell blood-flow patterns during MR imaging: an in vivo study. *AJR* 1988; 151: 139
 Brody AS; Kaufman RA; Kirks DR: isolated caudate lobe liver injury in a child: CT demonstration. *JCAT* 1988; 12: 524
 Brody AS; Saka BJ; Field DR; Skinner SR; Capra RE: artifacts seen during CT pelvimetry: implications for digital systems with scanning beams. *Radiology* 1986; 160: 269
 Brody BA See DiPietro MA
 Brody JM; Miller DK; Zeman RK; Klappenbach RS; Jaffe MH; Clark LR; Benjamin SB; Choyke PL: gastric tuberculosis: manifestation of acquired immunodeficiency syndrome. *Radiology* 1986; 159: 347
 Brody S See Alpert M
 Brody WR See Burbank FH
 Brodgon BG See Brady MB
 Brodgon BG See Hughes JJ
 Brodgon BG See Kinard RE
 Brodgon BG See Machen BC
 Brodgon BG See Sotile SC
 Brodgon BG; Arcement LJ: case report 388. *Skeletal Radiol* 1986; 15: 503
 Brolin I See Dernevik I
 Brolin I See Hellstrom M
 Brolin RE; Krassa MJ; Mast BA: use of tubes and radiographs in the management of small bowel obstruction. (ab). *Radiology* 1988; 166: 908
 Bron KM See Cassidy FF Jr
 Bron KM See Herbener T
 Bron KM See Tobben PJ
 Bron KM See Trambert JJ
 Bron KM See Wozney P
 Bron KM See Zajko AB
 Bronk JB; Parker BR: pyelocalyceal diverticula in the Beckwith-Wiedemann syndrome. *Pediatr Radiol* 1987; 17: 80
 Bronner MH; Marsh WH; Stanley JH: pancreaticopleural fistula: demonstration by computed tomography and endoscopic retrograde cholangiopancreatography. *CT* 1986; 10: 167
 Bronskill MJ See Henkelman RM
 Bronskill MJ See Kroeker RM
 Bronskill MJ See McVeigh ER
 Bronskill MJ See Poon FY
 Bronskill MJ See van Heteren JG
 Bronskill MJ: NMR in medicine: instrumentation and clinical applications. *Radiology* 1987; 164: 198
 Bronskill MJ; Henkelman RM; Poon FY; et al: magnetic resonance imaging, computed tomography, and radionuclide scintigraphy in detection of liver metastases. *J Canad Assoc Radiol* 1988; 39: 3
 Bronskill MJ; McVeigh ER; Kucharczyk W; Henkelman RM: syrinx-like artifacts on MR images of the spinal cord. *Radiology* 1988; 166: 485
 Bronstein A See Nyberg DA
 Bronstein AD; Nyberg DA; Schwartz AN; et al: increased salivary gland density on contrast-enhanced CT after head and neck radiation. *AJR* 1987; 149: 1259
 Bronstein SL See Westesson P-L
 Brooke OG; Lucas A: metabolic bone disease in preterm infants. (ab). *Radiology* 1986; 160: 288
 Brookeman JR See Paling MR
 Brookeman VA See Gouse JC
 Brooker AF See Kuhlman JE
 Brooker AF Jr See Fishman EK
 Brooker AF Jr See Magid D
 Erooker HR See Fitzsimmons JR
 Brooker HR; Marec TH; Mao J: selective Fourier transform localization. *Magn Res Med* 1987; 5: 417
 Brooks AP; Resnek RH; Webb JAW; et al: computed tomography in the follow-up of retroperitoneal fibrosis. *Clin Radiol* 1987; 38: 597
 Brooks BS See El Gammal T
 Brooks DJ; Carr DH; Legg NJ: role of delayed computed tomographic scanning using high doses of contrast material in detecting cerebral demyelination in patients with multiple sclerosis in relapse and remission. *Br J Radiol* 1987; 60: 295
 Brooks FP: radiologic exploration of the gastrointestinal tract: an interdisciplinary enterprise. *Radiographics* 1986; 6: 160
 Brooks JJ See Saul SH
 Brooks JR See Braver JM
 Brooks M; Kleefeld J; O'Reilly GV; et al: thoracic chordoma with unusual radiographic features. *Comput Radiol* 1987; 11: 85
 Brooks ML See Kleefeld J
 Brooks ML See Lipman JC
 Brooks ML; Joles FA; Patz S: MRI of pulsatile CSF motion within arachnoid cysts. *Magn Res Imag* 1988; 6: 575
 Brooks PT; Troop AC; Barr H; et al: massive pneumoperitoneum following laser therapy of inoperable oesophageal carcinoma. *Clin Radiol* 1988; 39: 305
 Brooks RA See Di Chiro G
 Brooks RA See Hatazawa J
 Brooks RA See Levy LM
 Brooks RA; Di Chiro G; Zukerberg BW; et al: test-retest studies of cerebral glucose metabolism using fluorine-18 deoxyglucose: validation of method. *J Nucl Med* 1987; 28: 53
 Brooks RH See Kaye JJ
 Brooks WM See Brereton IM
 Brooks WM See Doddrell DM
 Brooks WM See Galloway GJ
 Brooks WM; Brereton IM; Doddrell DM: RAPID—a new method for fast imaging using a single slice of z-magnetization. *Magn Res Med* 1987; 5: 191
 Brooks WM; Field J; Irving MG; et al: in vivo determination of ³¹P spin relaxation times (T₁, T₂, T₁ ρ) in rat leg muscle. use of an off-axis solenoid coil. *Magn Res Imag* 1986; 4: 245

- Brophy BP See Downey PR
 Brophy BP See Hassam RM
 Bronson JR See Grossman RI
 Broske RJ See Maslack MM
 Bronsman T See Sommer G
 Brosnan AI See Alpert LC
 Broth TG; Gelfand MJ; Williams CC; Spilker JA; Hertzberg VS: frequency and patterns of abnormality detected by iodine-123 amine emission CT after cerebral infarction, *Radiology* 1986; 158: 729
 Brouillette RT See Vailas GN
 Brouillette RT See Weese-Mayer DE
 Brountzos E See Passas V
 Brower W See Kamman RL
 Browder W; Cerise EJ; Litwin MS: impact of emergency angiography in massive lower gastrointestinal bleeding, (ab), *Radiology* 1987; 164: 291
 Brower A See Jacobs RP
 Brower AC See Balseiro J
 Brower AC See Curtis DJ
 Brower AC See Nelson MC
 Brower AC See Vydareny KH
 Brown AP; Fixsen JA; Flowman PN: local control of Ewing's sarcoma: analysis of 67 patients, *Br J Radiol* 1987; 60: 261
 Brown AS See Butch RJ
 Brown AS; Mueller FR: controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall: reply, *Radiology* 1986; 160: 278
 Brown AS; Mueller FR; Ferrucci JT Jr: controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall, *Radiology* 1986; 158: 543
 Brown AS; Mueller FR; Ferrucci JT Jr: transhepatic removal of obstructed Carey-Coons biliary endoprosthesis, *Radiology* 1986; 159: 555
 Brown BG; Gallery CA; Badger RS; et al: incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, (ab), *Radiology* 1986; 160: 859
 Brown BM; Schwartz RH; Frank E; et al: preoperative evaluation of cervical radiculopathy and myelopathy by surface-coil MR imaging, *AJNR* 1988; 9: 859
 Brown BS See Chiam SE
 Brown BS: ultrasonographic features of nonimmune hydrops fetalis: study of 30 successive patients, *J Canad Assoc Radiol* 1986; 37: 164
 Brown BW Jr See Smathers RL
 Brown CE See Weinreb JC
 Brown CH See Pradhan DG
 Brown D; Magill HL; Black TL: delayed presentation of traumatic intraperitoneal bladder rupture, *Pediatr Radiol* 1986; 16: 252
 Brown DD; Childress MH: case report 486, *Skeletal Radiol* 1988; 17: 302
 Brown DL See Benson CB
 Brown DL; Johnson JB Jr; Kraus AP Jr; et al: computed tomography with intraperitoneal contrast medium for localization of peritoneal dialysis leaks, *JCAT* 1987; 11: 276
 Brown DL; Luchi RJ: cardiac tamponade and constrictive pericarditis complicating endoscopic sclerotherapy, (ab), *Radiology* 1988; 167: 885
 Brown DM See Horsman MR
 Brown DQ See Gatenby RA
 Brown DQ; Shaw LM; Pittcock JW III; et al: modification of WR-2721 toxicity and radioprotection by an inhibitor of alkaline phosphatase, *Int J Radiat Oncol Biol Phys* 1986; 12: 1491
 Brown EW; Riccardi VM; Mawad M; et al: MR imaging of optic pathways in patients with neurofibromatosis, *AJNR* 1987; 8: 1031
 Brown GM See Sehgal CM
 Brown HL See Miller JM Jr
 Brown J See Fass D
 Brown J; Gunn TR; Mora JD; et al: prenatal ultrasonographic diagnosis of cardiomegaly due to tricuspid incompetence, *Pediatr Radiol* 1986; 16: 440
 Brown JC See Hagstrom JA
 Brown JC; Virtama P: radiology of joint disease. 3d ed., *Radiology* 1987; 165: 350
 Brown JJ See Van Lom KJ
 Brown JJ; Gilbert T; Gamsu G; et al: MR imaging of low signal intensity pulmonary lesions using flow-sensitive techniques, *JCAT* 1988; 12: 560
 Brown JJ; Hesselink JR; Rothrock JF: MR and CT of lacunar infarcts, *AJNR* 1988; 9: 477
 Brown JLL: zinc fume fever, *Br J Radiol* 1988; 61: 327
 Brown JM See Hartshorne MF
 Brown JM See Horsman MR
 Brown JM See Zeman EM
 Brown JS: glomus jugular tumors revisited: ten-year statistical follow-up of 231 cases, (ab), *Radiology* 1986; 158: 861
 Brown K See Batra P
 Brown K; Batra P: MR imaging of aneurysm of an aberrant right subclavian artery, *JCAT* 1987; 11: 1071
 Brown KA; Benoit L; Clements JP; et al: fast washout of thallium-201 from area of myocardial infarction: possible artifact of background subtraction, *J Nucl Med* 1987; 28: 945
 Brown KA; McKay R; Heller GV; et al: hemodynamic determinants of thallium-201 lung uptake in patients during atrial pacing stress, (ab), *Radiology* 1986; 160: 859
 Brown KT; Kattapuram SV; Rosenthal DI: computed tomography analysis of bone tumors: patterns of cortical destruction and soft tissue extension, *Skeletal Radiol* 1986; 15: 448
 Brown KT; Schoenberg NY; Moore ED; Saddekni S: percutaneous transluminal angioplasty of infrapopliteal vessels: preliminary results and technical considerations, *Radiology* 1988; 169: 75
 Brown KT; Yeoh CB; Saddekni S: balloon dilatation of the left main bronchus in sarcoidosis, *AJR* 1988; 150: 553
 Brown LK See vanSonnenberg E
 Brown LR See Givovold JJ
 Brown LR See Zerhouni EA
 Brown LR; Muih JR; Aughenbaugh GL; et al: computed tomography of benign mature teratomas of the mediastinum, *J Thorac Imag* 1987; 2: 66
 Brown LW See Swartz JD
 Brown MA See Rosen GM
 Brown MA; Stenzel TT; Ribeiro AA; et al: NMR studies of combined lanthanide shift and relaxation agents for differential characterization of ^{23}Na in a two-compartment model system, *Magn Res Med* 1986; 3: 289
 Brown MC See Richmond DH
 Brown ML See Magnuson JE
 Brown ML See Merkel KD
 Brown ML See O'Connell PR
 Brown ML See Siegel BA
 Brown ML; Hauser MF; Aznarez A; et al: indium-111 leukocyte imaging: skeletal photopenic lesion, *Clin Nucl Med* 1986; 11: 611
 Brown ML; Sweet RG; Johnson KA: bone scintigraphy of the calcaneus, *Clin Nucl Med* 1986; 11: 530
 Brown MM See Thompson AJ
 Brown MS See Gore JC
 Brown MT See McHugh JM
 Brown MW; Carson CC III; Dunnick NR; et al: comparison of the costs and morbidity of percutaneous and open flank procedures, (ab), *Radiology* 1986; 161: 859
 Brown NJG See Hunter GJS
 Brown PF See Englund R
 Brown PH See Specht HD
 Brown PH; Juni JE; Lieberman DA; et al: hepatocyte versus biliary disease: a distinction by deconvolutional analysis of technetium-99m IDA time-activity curves, *J Nucl Med* 1988; 29: 623
 Brown R See Pastakia B
 Brown RA See Casola G
 Brown RA See Cremin BJ
 Brown RD III See Beaulieu CF
 Brown RD III See Bennett HF
 Brown RD III See Geraldine CFGC
 Brown RD III See Koenig SH
 Brown RD III See Lauffer RB
 Brown RKJ See Bahn DK
 Brown RKJ See Pusey E
 Brown RKJ; Gomes A; King W; et al: hepatic hemangiomas: evaluation by magnetic resonance imaging and technetium-99m red blood cell scintigraphy, *J Nucl Med* 1987; 28: 1683
 Brown RKJ; Memsic LDF; Busuttil RW; et al: accurate demonstration of hepatic infarction in liver transplant recipients, *J Nucl Med* 1986; 27: 1428
 Brown RKJ; Memsic LDF; Pusey EJ; et al: hepatic abscess in liver transplantation: accurate diagnosis and treatment, *Clin Nucl Med* 1986; 11: 233
 Brown RW See Moretini LB
 Brown SA See McNeill TH
 Brown SB; Hedlund GL; Glasier CM; Williams KD; Greenwood LH; Gilliland JD: tracheobronchial stenosis in infants: successful balloon dilation therapy, *Radiology* 1987; 164: 475
 Brown SG See Gattley SJ
 Brown T See Wu S-y
 Brown T; Mandell J; Lebowitz RL: neonatal hydronephrosis in the era of sonography, *AJR* 1987; 148: 959
 Brown T; Wilkinson RH: chronic recurrent multifocal osteomyelitis, *Radiology* 1988; 166: 493
 Brown TR See Federle MP
 Brown TR See Gatenby RA
 Brown TS See McNamara M
 Brownlee WC See Foster CJ
 Brownlee WC See Mitchell L
 Brownless S See Critchley M
 Brownless SM See Gimlette TMD
 Bruce D See Atlas SW
 Bruce DI See Booth AJ
 Bruce J See Elliott S
 Bruce R; Alton D: duplication of the urethra with communication to the rectum: report of a case, *Pediatr Radiol* 1986; 16: 79
 Bruckl R See Hess H
 Bruckmann H; Zeumer H; Ferbert A: "distal stump" of the internal carotid artery with ascending pharyngeal artery collateralization: potential source for further embolic ischemia, *Neuroradiol* 1987; 29: 81
 Bruder H; Fischer H; Graumann R; et al: new steady-state imaging sequence for simultaneous acquisition of two MR images with clearly different contrasts, *Magn Res Med* 1988; 7: 35
 Brugières F See Djindjian M
 Bruhlmann WF See Zollinger CL
 Brumback RJ See Young JWR
 Brummer ME See Dixon WT
 Brummett RE; Talbot JM; Charuhas P: potential hearing loss resulting from MR imaging, *Radiology* 1988; 169: 539
 Brun A See England E
 Brun F; Gauthier F; Boucher D; et al: ultrasound findings in biliary atresia in children: study with surgical correlation in 86 cases, (ab), *Radiology* 1986; 158: 283
 Brunberg JA See Burk DL Jr
 Brunberg JA See Kanal E
 Brunberg JA; Latchaw RE; Kanal E; et al: magnetic resonance imaging of spinal dysraphism, *Radiol Clin North Am* 1988; 26: 181
 Brunelle F See Arthur RJ
 Brunelle F See Garel L
 Brunelle F See Stringer DA
 Brunelle F; choledocholithiasis in children, *Semin US CT* MR 1987; 8: 118
 Brunelle FO; Chaumont P; Teillac D; et al: facial vascular malformations in children: conventional and digital, diagnostic and therapeutic angiography, *Pediatr Radiol* 1988; 18: 377
 Brunelle RL See Maglente DDT
 Bruner J See Glass JP
 Bruner JM See Lee Y-Y
 Bruner JM See Van Tassel P
 Bruneton JN See Mathieu D
 Bruneton JN; Caramella E; Casenave P; et al: gastric leiomyosarcoma: comparative value of barium examinations, ultrasonography and CT scans, *Eur J Radiol* 1987; 7: 160
 Bruneton JN; Caramella E; Hery M; Aubanel D; Manzano JJ; Picard JL: axillary lymph node metastases in breast cancer: preoperative detection with US, *Radiology* 1986; 158: 325
 Bruneton JN; Dalfin FY; Caramella E; et al: value of ultrasound in localizing the internal mammary vessels, *Eur J Radiol* 1986; 6: 142
 Bruneton J-N; Drouillard J; Rogopoulos A; et al: extraperitoneal abdominal malignant fibrous histiocytoma, *Gastrointest Radiol* 1988; 13: 299
 Bruneton J-N; Kerboul P; Drouillard J; et al: hepatic lipomas: ultrasound and computed tomographic findings, *Gastrointest Radiol* 1987; 12: 299
 Bruneton J-N; Kerboul P; Grimaldi C; et al: hepatic intraarterial lipodol: technique, semiology patterns, and value for hepatic tumors, *Gastrointest Radiol* 1988; 13: 45
 Bruneton J-N; Normand F; Balu-Maestro C; Kerboul P; Santini N; Thys A; Schneider M: lymphomatous superficial lymph nodes: US detection, *Radiology* 1987; 165: 233
 Bruneton JN; Roux P; Caramella E; Manzano JJ; Valliçioni J; Demard F: tongue and tonsil cancer: staging with US, *Radiology* 1986; 158: 743
 Brunetti A See Kern KA
 Brunetti JC See Van Heertum RL
 Brunetti JC See Yudd AP
 Brünig R See Vogl T
 Brunken R; Tillisch J; Schwaiger M; et al: regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q-wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, (ab), *Radiology* 1986; 161: 285
 Brunner P See Hennig J
 Bruno A; Yuh WTC; Biller J; et al: magnetic resonance imaging in young adults with cerebral infarction due to moyamoya, (ab), *Radiology* 1988; 169: 294
 Bruno AN; Lavin JP; Nasrallah PF: ultrasound experience with prenatal genitourinary abnormalities, (ab), *Radiology* 1986; 158: 287
 Brunot B See Demangeat J-L

- Brunton FJ See Goodfellow T
 Brunton FJ See Herbetko J
 Brun-Vezinet F See Roulet D
 Brustad T See Rofstad EK
 Bruwer A; Nelson GW; Spark RP: punctate intranodal gold deposits simulating microcalcifications on mammograms, *Radiology* 1987; 163: 87
 Bryan CL See Schenck DA
 Bryan CR See Berland LL
 Bryan PJ See Bick RJ
 Bryan PJ See Martin B
 Bryan PJ See Yulish BS
 Bryan PJ; Butler HE; LiPuma JP; et al: CT and MR imaging in staging bladder neoplasms, *JCAT* 1987; 11: 96
 Bryan PJ; Butler HE; Nelson AD; et al: magnetic resonance imaging of the prostate, *AJR* 1986; 146: 543
 Bryan RN See Chakares DW
 Bryan RN See Hayman LA
 Bryan RN See Rokey R
 Bryan RN See Wendt RE III
 Bryan RN; Brant-Zawadzki M; Lee JKT: magnetic resonance, RSNA '87 meeting notes, *Radiology* 1988; 166: 613
 Bryan RN; Mawad ME; Sandlin ME; et al: CT imaging of the salivary glands, *Semin US CT MR* 1986; 7: 154
 Bryant DJ See Cox IJ
 Bryant DJ See Young IR
 Bryant G See Carrasquillo JA
 Bryant RG See Cockerill TP
 Bryant RG See Hornak JP
 Bryant RG: NMR in living systems, *Radiology* 1987; 162: 774
 Bryant-LeBlanc CE See Gerberding JL
 Brydon WG; Merrick MV; Hannan J: absorbed dose from ¹⁴C xylitol and ¹⁴C mannitol, *Br J Radiol* 1987; 60: 563
 Bryk D See Zafarano S
 Brymer J See Alam M
 Brymer JF See Burke MW
 Brynes RK See Erwin BC
 Bucci MN; Farhat SM: metastatic adenocarcinoma of the prostate as a cause of subdural hematoma, (ab), *Radiology* 1986; 160: 858
 Bucciolini M See Santoni R
 Buchan A See Pele DM
 Buchbinder D See Rollins DL
 Buchet R; Tredaniel J: pulmonary melioidosis, (ab), *Radiology* 1986; 158: 565
 Buchli R; Boesiger P; Meier D: heating effects of metallic implants by MRI examinations, *Magn Res Med* 1988; 7: 255
 Buchmann F See Gmelin E
 Buchness MR See Sonnenblick EB
 Buchholz RW See Sartoris DJ
 Buchsbaum DJ; Nelson LA; Hanna DE; et al: human leukemia cell binding and killing by anti-CD5 radioimmunotoxins, *Int J Radiat Oncol Biol Phys* 1987; 13: 1701
 Buck JL See Dachman AH
 Buck JL See Drane WE
 Buck JL See Ros PR
 Buck JL See Sheth S
 Buck KA See Wolfe JN
 Buck LL See Slone RM
 Buckley AR; Cooperberg PL; Reeve CE; et al: distinction between acute renal transplant rejection and cyclosporine nephrotoxicity: value of duplex sonography, *AJR* 1987; 149: 521
 Buckley AR; Scudamore CH; Becker CD; et al: intraoperative imaging of the biliary tree: sonography vs. operative cholangiography, *J Ultrasound Med* 1987; 6: 589
 Buckley J See Davies P
 Buckley J See Morris DL
 Buckley J See Powell MC
 Buckley JH See Mawhinney RR
 Buckley JH; Roebuck EJ: mammographic changes following radiotherapy, *Br J Radiol* 1986; 59: 337
 Buckman R See Mirvis SE
 Buckwalter JA; Bonfiglio MM; El-Khoury G; et al: case report 490, *Skeletal Radiol* 1988; 17: 361
 Buckwalter K See Braunstein EM
 Buckwalter KA See Burnstein M
 Buckwalter KA See Howe MA
 Buckwalter KA; Alsen AM; Dilworth LR; et al: gated cardiac MRI: ejection-fraction determination using the right anterior oblique view, *AJR* 1986; 147: 33
 Buckwalter KA; Ellis JH; Baker DE; Borello JA; Glazer GM: pitfall in MR imaging of lymphadenopathy after lymphangiography, *Radiology* 1986; 161: 831
 Buckwalter KA; Gross BH; Hernandez RJ: bolus dynamic computed tomography in the evaluation of pulmonary sequestration, *CT* 1987; 11: 335
 Buda AJ See Friedman HZ
 Buda AJ See Meyer CR
 Budde RB Jr See D'Alto RA
 Buddemeyer EU See Mirvis SE
 Budenz RW See McGahan JP
 Budinger TF See Doyle WK
 Budinger TF See Jagust WJ
 Budinger TF See Mazoyer BM
 Budorick NE; Love L: duodenal obstruction after repair of abdominal aortic aneurysm, *Radiology* 1988; 169: 421
 Buenger RE See Heitzman ER
 Buenger RE: Radiological Society of North America, 73rd scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, *Radiology* 1987; 164: 581
 Buenger RE; Siegelman SS: note of thanks, *Radiology* 1987; 165: 862
 Bueschen AJ See Breatnach E
 Buescher PC See Pillai RP
 Buescher PC See White RI Jr
 Buffard P See Bret PM
 Buffo GC; Clair MR; Bonheim P: diverticulosis of the vermiform appendix, *Gastrointest Radiol* 1986; 11: 108
 Buffo GC; Deitch JS: pneumatosis intestinalis in a patient with polyarteritis nodosa, *Gastrointest Radiol* 1986; 11: 286
 Buhl M See Lund E
 Buhlinger C See Bajakian RL
 Buhlmeier K; Schober JG; Lorenz HP; et al: early diagnosis and medical treatment of the persistent ductus arteriosus in infants, *Cardiovasc Intervent Radiol* 1986; 9: 273
 Bulkman D; Helzel T; Roeschmann P: RF coil, as a sensitive motion detector for magnetic resonance imaging, *Magn Res Imag* 1988; 6: 281
 Bulinski G: investigation of sciatica and low back pain syndromes: current trends, *Clin Radiol* 1987; 38: 151
 Bulinski G; Booth A; Watt I: case report 419, *Skeletal Radiol* 1987; 16: 240
 Bulinski G; Jordan SC; Joffe HS; et al: superior vena caval abnormalities: their occurrence rate, associated cardiac abnormalities and angiographic classification in a paediatric population with congenital heart disease, *Clin Radiol* 1986; 37: 131
 Bulinski G; Ratliff AH; Watt I: cartilage-cell-containing tumours of the pelvis: radiological review of 40 patients, *Br J Radiol* 1986; 59: 197
 Bulinski G; Watt I: dynamic CT discography: an evaluation of a new technique, *Australas Radiol* 1988; 32: 197
 Buist TAS See Sellar RJ
 Buja LM See Erdman WA
 Buja LM See Katz J
 Buja LM; Willerson JT: role of coronary artery lesions in ischemic heart disease: insights from recent clinicopathologic, coronary arteriographic, and experimental studies, (ab), *Radiology* 1987; 165: 585
 Bul RD See Toomey FB
 Bulbrook RD See Gravelle IH
 Bulgim O; Manning A; Lintott D; et al: "shrunk" pancreas: a morphological variant of idiopathic chronic pancreatitis, *Br J Radiol* 1987; 60: 543
 Bulic M See Podobnik M
 Bulic M; Podobnik M; Koreniti B; et al: first-trimester diagnosis of low obstructive uropathy: an indicator of initial renal function in the fetus, *JCU* 1987; 15: 537
 Bull MJ See Sampson MA
 Bullimore J See Bell J
 Bullimore JA See Collis CH
 Bullimore JA See Tomlinson MJ
 Bulsing JM; Galloway GJ; Bererton IM; et al: on the calculation of magnetization slice profiles for NMR imaging and in vivo spectroscopy, *Magn Res Med* 1987; 5: 478
 Bulstrode JC See Gravelle IH
 Bump EA; Jacobs GP; Lee WW; et al: radiosensitization by diamide analogs and arsenicals, *Int J Radiat Oncol Biol Phys* 1986; 12: 1533
 Buncher CR See Kaufman RA
 Buncher CR See Specker BL
 Bundgaard T; Kristensen H; Lesak F: catheter perforation of distal oesophagus with duodenal re-entry of catheter: report of a case, *Acta Radiol* 1988; 29: 211
 Bundrick T See Cho S-R
 Bundrick TJ; Katz PG: excretory urography in patients with prostatism, *AJR* 1986; 147: 957
 Bunschuh CV See Modic MT
 Bunschuh CV See Tyrrell RL II
 Bunschuh CV; Modic MT; Kearney F; et al: rheumatoid arthritis of the cervical spine: surface-coil MR imaging, *AJNR* 1988; 9: 565
 Bunschuh CV; Modic MT; Ross JS; et al: epidural fibrosis and recurrent disk herniation in the lumbar spine: MR imaging assessment, *AJNR* 1988; 9: 169
 Bundy AL; Lidov H; Soliman M; et al: antenatal sonographic diagnosis of cerebophty, *J Ultrasound Med* 1988; 7: 395
 Bundy AL; Litwin M; Gluck CL: sonographic diagnosis of an obstructing urethral calculus, *J Ultrasound Med* 1988; 7: 523
 Bundy AL; Ritchie WGM; Fine C; et al: dermoid tumor and cystadenoma arising in the same ovary, *JCU* 1986; 14: 727
 Bundy AL; Saltzman DH; Emerson D; et al: sonographic features associated with cleft palate, *JCU* 1986; 14: 486
 Bundy AL; Saltzman DH; Fober B; et al: antenatal sonographic findings in trisomy 18, *J Ultrasound Med* 1986; 5: 361
 Bunge RE; Herman CL: usage of diagnostic imaging procedures: nationwide hospital study, *Radiology* 1987; 163: 569
 Bunke J See Heindel W
 Bunko H See Nakajima K
 Bunn PA See Carmichael J
 Bunn PA Jr See Carrasquillo JA
 Bunnell DH See Bassett LW
 Bunnell DH; Fisher DA; Bassett LW; Gold RH; Ellman H: elbow joint: normal anatomy on MR images, *Radiology* 1987; 165: 527
 Buonanno FS See Johnson KA
 Buoncristiani P See Signorini E
 Buonocore E See Kabalka GW
 Buras R; Guzzetta F; Avery G; et al: acidosis and hepatic portal venous gas: indications for surgery in necrotizing enterocolitis, (ab), *Radiology* 1987; 162: 591
 Burbank F; Parish D; Wexler L: echocardiographic-like angled views of the heart by MR imaging, *JCAT* 1988; 12: 181
 Burbank FH; Bradley BR; Yegnanashankaran S; et al: contrast media toxicity: part II. isotonic ioxaglate vs. standard Renografin for IV-DSA evaluation of the carotid bifurcation, a double-blind prospective clinical trial, *Invest Radiol* 1986; 21: 340
 Burbank FH; Enzmann DR; Brody WR: carotid bifurcation: results of apical hybrid subtraction angiography compared with standard temporal and hybrid images, *Radiology* 1986; 160: 227
 Burbank FH; Thompson WM: contrast media toxicity: part I. effects upon IV-DSA time-concentration curve peak and width: experimental studies, *Invest Radiol* 1986; 21: 240
 Burbidge S See Boudreau RJ
 Burch D See Stitman GK
 Burch PA See Kuhlman JE
 Burch WM; Sullivan PJ; Lomas FE; et al: lung ventilation studies with technetium-99m pseudogas, *J Nucl Med* 1986; 27: 842
 Burchard F See Thomsen HS
 Burckhardt B See Becker CD
 Burde RM See Barrett L
 Burdery DA; Kroeker MA: CT appearance of the ventral pancreas, *J Canad Assoc Radiol* 1988; 39: 190
 Burdge AH See Hayward SJ
 Burge DM See Goodfellow T
 Burgener FA See Gutierrez OH
 Burgener FA; Gutierrez OH: angiographic, hemodynamic, and histologic evaluation of portal hypertension and periportal fibrosis induced in the dog by retrograde biliary injections of sesame oil, *Invest Radiol* 1986; 21: 551
 Burgener FA; Gutierrez OH: experimental intrahepatic portocaval shunts created in portal hypertension by balloon angioplasty catheters, *Invest Radiol* 1988; 23: 24
 Burgener FA; Gutierrez OH: prostaglandins in diagnostic and therapeutic superior mesenteric artery pharmacography, *Invest Radiol* 1986; 21: 210
 Burgener FA; Steinmetz DS: treatment of experimental adenocarcinomas by percutaneous intratumoral injection of absolute ethanol, *Invest Radiol* 1987; 22: 472
 Burger P See Drayer BP
 Burger PC See Hertzberg BS
 Burger PC See Salomon A
 Burger-De Guss A See de Slegte RGM
 Burgers JMV See Tubiana M
 Burgess AE; Colborne B; Zoffmann E: vertebral trabecular bone: comparison of single and dual-energy CT measurements with chemical analysis, *JCAT* 1987; 11: 506
 Burgess AR See Young JWR
 Burgess CK See Chandramouly BS
 Burgess L See Kelland LR
 Burgoyne B See Bradley WC Jr
 Burquet JL See Wackenheim A
 Burhenne HJ See Becker CD
 Burhenne HJ See Burhenne LW
 Burhenne HJ See Ferrucci JT
 Burhenne HJ See Gibney RG
 Burhenne HJ See Mueller FR
 Burhenne HJ: biliary lithotripsy: preliminary experience and prospects, *Radiology* 1988; 168: 336
 Burhenne HJ: interventional cholelithotomy as an alternative to cholecystectomy with or without the surgeon?, *Invest Radiol* 1986; 21: 594

- Burhenne HJ: promise of extracorporeal shock-wave lithotripsy for the treatment of gallstones, *AJR* 1987; 149: 233
- Burhenne HJ; Fache JS; Gibney RG; et al: biliary lithotripsy by extracorporeal shock waves: integral part of nonsurgical intervention, *AJR* 1988; 150: 1279
- Burhenne HJ; Fache JS; Gibney RG; et al: suction device for evacuation of gallbladder stones, *J Canad Assoc Radiol* 1987; 38: 190
- Burhenne HJ; Scudamore CH: antegrade transcholecystic sphincterotomy: canine study of a new interventional technique, *Gastrointest Radiol* 1986; 11: 73
- Burhenne LJW; Connell DG: xeroradiography in the diagnosis of the Haglund syndrome, *J Canad Assoc Radiol* 1986; 37: 157
- Burhenne LW; Longley JD; Burhenne HJ: xeromammographic diagnosis of carcinoma of the breast in office practice, (ab), *Radiology* 1987; 165: 588
- Burk DL: spinal and paraspinal neurofibromatosis: surface coil MR imaging at 1.5 T, *Radiology* 1987; 162: 797
- Burk DL Jr; Dalinka MK; Kanal E; et al: meniscal and ganglion cysts of the knee: MR evaluation, *AJR* 1988; 150: 331
- Burk DL Jr; Dalinka MK; Schiebler ML; et al: strategies for musculoskeletal magnetic resonance imaging, *Radiol Clin North Am* 1988; 26: 653
- Burk DL Jr; Kanal E; Brunberg JA; et al: 1.5-T surface-coil MRI of the knee, *AJR* 1986; 147: 293
- Burk DL Jr; Mears DC; Cooperstein LA; et al: acetabular fractures: three-dimensional computed tomographic imaging and interactive surgical planning, *CT* 1986; 10: 1
- Burk JM See Beltran J
- Burke BA See Day DL
- Burke CM See Glanville AR
- Burke CM; Safai C; Nelson DP; et al: pulmonary arteriovenous malformations: critical update, (ab), *Radiology* 1987; 162: 290
- Burke DL See Rosenthal I
- Burke DR See Doerny JM
- Burke DR See Kerlan RK Jr
- Burke DR See Lewis VD III
- Burke DR See McLean GK
- Burke DR See Meranze SG
- Burke DR See Mishkin JD
- Burke DR See Sacks D
- Burke DR See Swigals PJ
- Burke DR See Tittelbaum DS
- Burke DR; Brant-Zawadzki M: CT of pyogenic spine infection, (ab), *Radiology* 1986; 158: 860
- Burke DR; Gordon RL; Mishkin JD; McLean GK; Meranze SG: percutaneous transluminal angioplasty of subclavian arteries, *Radiology* 1987; 164: 699
- Burke DR; Meranze SG: early removal of retained biliary stone without T-tube removal: case report, *Cardiovasc Intervent Radiol* 1988; 11: 36
- Burke DR; Verstandig A; Edwards O; et al: infantile hemangioendothelioma: angiographic features and factors determining efficacy of hepatic artery embolization, *Cardiovasc Intervent Radiol* 1986; 9: 154
- Burke DR; Weinstein JK: malignant jejunal strictures after Whipple procedure: stenting with large-bore tubes and use of combined transhepatic and peroral approach, *Radiology* 1988; 169: 258
- Burke J See Griffiths HJ
- Burke JS; Sheibani K; Nathwani BN; et al: monoclonal small (well-differentiated) lymphocytic proliferations of the gastrointestinal tract resembling lymphoid hyperplasia: a neoplasm of uncertain malignant potential, (ab), *Radiology* 1988; 167: 882
- Burke JW See Black WC
- Burke JW; Erickson SJ; Kellum CD; Tegtmeyer CJ; Williamson BRJ; Hansen MF: pseudoaneurysms complicating pancreatitis: detection by CT, *Radiology* 1986; 161: 447
- Burke JW; Williamson BRJ; Hurst RW: "Idiopathic" cerebellar calcifications: association with hypothyroidism?, *Radiology* 1988; 167: 533
- Burke M See Towbin RB
- Burke M; Fraser R: obstructive pneumonitis: a pathologic and pathogenetic reappraisal, *Radiology* 1988; 166: 699
- Burke MW See Sharma RP
- Burke MW See Shetty PC
- Burke MW See Watt AC
- Burke MW; Windham JP; Thrall JH; Shetty PC; Brymer JF: eigenimage filtration of intravenous digital subtraction angiograms of the heart: work in progress, *Radiology* 1987; 164: 267
- Burke PE; Michna BA; Harvey CF; et al: experimental comparison of percutaneous vena caval devices: titanium Greenfield filter versus bird's nest filter, (ab), *Radiology* 1988; 166: 589
- Burke R: angiographic diagnosis of supratentorial cerebral tumours (compared with CT scan), *Radiology* 1986; 161: 76
- Burke TH See Sharma RP
- Burke TS; Tatum JL; Fraktin MJ; et al: radionuclide bone imaging findings in recurrent calvarial infarction in sickle cell disease, *J Nucl Med* 1988; 29: 411
- Burke TS; Tatum JL; Fraktin MJ: rib artifact demonstrated on xenon-133 lung imaging, *Clin Nucl Med* 1987; 12: 147
- Burke TW See Nash JD
- Burkes RL; Meyer PR; Gill PS; et al: rectal lymphoma in homosexual men, (ab), *Radiology* 1986; 161: 284
- Burkhalter JL See Morano JU
- Burkhalter JL; Morano JU; Patel BR: accumulation of technetium-99m MDP in a cavernous hemangioma of the liver, *Clin Nucl Med* 1986; 11: 498
- Burkhard TK See Baker LL
- Burks DD See Liddell HT
- Burks DD; Drolshagen LF; Fleischer AC; et al: transrectal sonography of benign and malignant prostatic lesions, *AJR* 1986; 146: 1187
- Burl M See Young IR
- Burnand KG See Thomas ML
- Burnett K See Kantrowitz LR
- Burnett K See Milne ENC
- Burnett KG See Ryan KP
- Burnett KR; Davis CI; Read J: dynamic display of the temporomandibular joint meniscus by using "fast-scan" MR imaging, *AJR* 1987; 149: 959
- Burnett LL See Eusek JF
- Burns JR See Breaux E
- Burns PN See Chow PP
- Burns PN See Patriquin HB
- Burns PN See Ramos IM
- Burns PN See Rigaby CM
- Burns PN: physical principles of Doppler and spectral analysis, *JCU* 1987; 15: 567
- Burns RJ; Armitage DL; Fountas PN; et al: usefulness of radionuclide angiography in predicting stenotic mitral orifice area, (ab), *Radiology* 1987; 164: 293
- Burnside DK See Nordstrom LA
- Burnstein M; Buckwalter KA; Martel W; et al: case report 427, *Skeletal Radiol* 1987; 16: 346
- Burrow RD See Hung C-Y
- Burrell M See Klein J
- Burrell MI See Allen KS
- Burrell MI See Siakind BN
- Burrig K-F: epithelial (true) splenic cysts: pathogenesis of the mesothelial and so-called epidermoid cyst of the spleen, (ab), *Radiology* 1988; 169: 286
- Burrow CR See Gatewood OMB
- Burrows PE See Freedom RM
- Burrows PE; Benson LN; Smallhorn JS; et al: angiographic features associated with percutaneous balloon valvotomy for pulmonary valve stenosis, *Cardiovasc Intervent Radiol* 1988; 11: 111
- Burrows PE; Lasjanian PL; Ter Brugge KG; et al: urgent and emergent embolization of lesions of the head and neck in children: indications and results, (ab), *Radiology* 1988; 167: 888
- Burry KA See Thurmond AS
- Bursch JH; Ochs C; Hahne HJ; et al: experimental studies of renal blood flow by digitized functional angiography, (ab), *Radiology* 1986; 158: 574
- Burstein D; Fossel ET: intracellular sodium and lithium NMR relaxation times in the perfused frog heart, *Magn Res Med* 1987; 4: 261
- Burstein S See Horep D
- Burstein S See Vogelzang RL
- Burstein SP See Spies WG
- Burt AM See Diggs J
- Burt CT; Koutcher J; Roberts JT; et al: magnetic resonance spectroscopy of the musculoskeletal system, *Radiol Clin North Am* 1986; 24: 321
- Burt RW See Boyko OB
- Burt RW See Schanwecker DS
- Burt RW; Reddy RV; Mock BM; et al: acetazolamide enhancement of HIPDM brain flow distribution imaging, *J Nucl Med* 1986; 27: 1627
- Burt TB See Yang FJ
- Burt TB: MR of CSF flow phenomenon mimicking basilar artery aneurysm, *AJNR* 1987; 8: 55
- Burt TB; Seeger JF; Carmody RF; Yang FJ: dural infolding during C1-2 myelography, *Radiology* 1986; 158: 546
- Burton BE; Amin EA; Tisdale F: bipartite liver: a case report, *Clin Nucl Med* 1987; 12: 641
- Burton BK See Nelson LH
- Burton EM; Oestreich AE: cerebro-costomandibular syndrome with stippled epiphysis and cystic fibrosis, *Pediatr Radiol* 1988; 18: 365
- Burton GV See Flowers JL
- Burwell RG See Upadhyay SS
- Bushy RC See Eklund GW
- Busch HP See Strauss LG
- Busch HP; Strauss LG: comparison of performance characteristics of different DSA-installations, *Eur J Radiol* 1987; 7: 56
- Busch MP See Bretan PN Jr
- Buschman RW See Rosch J
- Busemann-Sokole E: measurement of collimator hole angulation and camera head tilt for slant and parallel hole collimators used in SPECT, *J Nucl Med* 1987; 28: 1592
- Bush A; Gray H; Denison DM: diagnosis of pulmonary hypertension from radiographic estimates of pulmonary arterial size, (ab), *Radiology* 1988; 169: 881
- Bush C See Delic JJ
- Bush CA See Kolabash AJ Jr
- Bush CA See Stephanadis C
- Bush CH; Gillespy T III; Dell PC: high-resolution CT of the wrist: initial experience with scaphoid disorders and surgical fusions, *AJR* 1987; 149: 757
- Bush D See Williams JL
- Bush E See Smathers RL
- Bush SE See von Esen CF
- Bush WH See Eusek JF
- Bush WH; Gibbons RP: extracorporeal shockwave lithotripsy: role of the radiologist, *Radiology* 1986; 158: 855
- Bush WH; Gibbons RP; Lewis GF; et al: impact of extracorporeal shock wave lithotripsy on percutaneous stone procedures, *AJR* 1986; 147: 89
- Bush WH; Jones D; Gibbons RP: radiation dose to patient and personnel during extracorporeal shock wave lithotripsy, (ab), *Radiology* 1988; 167: 293
- Bushman B; Watal G; Ahmed A; et al: giant ivory osteoma of frontal sinus, *Australas Radiol* 1987; 31: 306
- Bushnell D See Ackerman L
- Bushnell DL See Romyn AM
- Bushnell DL; Gupta S; Micoch AG; et al: demonstration of focal hyperemia in acute cerebral infarction with iodine-123 iodoamphetamine, *J Nucl Med* 1987; 28: 1920
- Bushnell DL; Perlman SB; Wilson MA; et al: rim sign: association with acute cholecystitis, *J Nucl Med* 1986; 27: 353
- Busilacchi P See Solbiati L
- Buss DH See Scarantino CW
- Bussaka H See Higashida Y
- Bussaka H See Takahashi M
- Bussaka H See Yamashita Y
- Busscher DLT See Schultz Kool LJ
- Busscher DLT See van Buchem MA
- Busse H See Muller K-F
- Bussuttil RW See Brown RKJ
- Butch RJ See Mueller PR
- Butch RJ See Stark DD
- Butch RJ See White EM
- Butch RJ; Mueller PR; Ferrucci JT Jr: drainage of pelvic abscesses through the greater sciatic foramen: reply, *Radiology* 1986; 160: 279
- Butch RJ; Mueller PR; Ferrucci JT Jr; Wittenberg J; Simeone JF; White EM; Brown AS: drainage of pelvic abscesses through the greater sciatic foramen, *Radiology* 1986; 158: 487
- Butch RJ; Stark DD; Malt RA: MR imaging of hepatic focal nodular hyperplasia, *JCAT* 1986; 10: 874
- Butch RJ; Stark DD; Wittenberg J; et al: staging rectal cancer by MR and CT, *AJR* 1986; 146: 1155
- Buthaus D; Plette JC; Ducureau MN; et al: steroid-induced spinal epidural lipomatosis: CT survey, *JCAT* 1988; 12: 501
- Butkiewicz BL See Cunningham MJ
- Butland RJA See Wilson AG
- Butler BD: production of microbubbles for use as echo contrast agents, *JCU* 1986; 14: 408
- Butler H; Bick R; Morrison S: unsuspected adrenal masses in the neonate: adrenal cortical carcinoma and neuroblastoma, a report of two cases, *Pediatr Radiol* 1988; 18: 237
- Butler HE See Bryan PJ
- Butler HE See Martin B
- Butler HL See Williamson SL
- Butler J; Huang J; Wilson SE: repeated laparotomy for postoperative intra-abdominal sepsis: an analysis of outcome predictors, (ab), *Radiology* 1988; 166: 291
- Butler JJ See Chen JL
- Butler KW; Deslauriers R; Smith ICP: effects of antimalarial drugs on oxygen consumption by erythrocytes infected with *Plasmodium falciparum*: ESR study, *Magn Res Med* 1986; 3: 312
- Butler MJ See Adams HP Jr

Butler

- Butler MR See Daly BD
 Butler P See Fearon T
 Butler P See McGregor JC
 Butler P; Freer CEL; Jha AN; et al: intravenous digital subtraction angiography in intracranial aneurysms. *Br J Radiol* 1987; 60: 323
 Butler P; Williamson B: intravenous digital subtraction angiography in patients with suspected bypass graft occlusion following surgery for peripheral vascular disease. *Br J Radiol* 1986; 59: 329
 Butler SA See Cobb LM
 Butler SP; Bailey DL; McLaughlin AF; et al: SPECT evaluation of arterial perfusion in regional chemotherapy. *J Nucl Med* 1988; 29: 593
 Butler TA See Brihaye C
 Butson FC See Harman RR
 Butt KMH See Glanz S
 Butterfield RL See Gohagan JK
 Butterworth R See Quinton DN
 Buttery B: Australia. *JCU* 1986; 14: 652
 Butto F; Hunter DW; Castaneda-Zuniga WR; Amplatz K: coil-in-coil technique for vascular embolization. *Radiology* 1986; 161: 554
 Butto F; Robinson JD; Hunter DW; Castaneda-Zuniga WR; Amplatz K: new heavy-duty exchange guide wire. *Radiology* 1987; 163: 276
 Butto F; Robinson JD; Vlodaver Z; Hunter DW; Castaneda-Zuniga WR; Amplatz K: modified sheath introducer for reduced arterial damage. *Radiology* 1987; 163: 824
 Button TM See Fiel RJ
 Button TM; Fiel RJ: isointense model for the evaluation of tumor-specific MRI contrast agents. *Magn Res Imag* 1988; 6: 275
 Buxi TB; Mathur RK; Doda SS: computed tomography of lipoma of corpus callosum and choroid plexus lipoma: report of two cases. *CT* 1987; 11: 57
 Buxi TS See Doda SS
 Buxton R See Edelman RR
 Buxton R See Wedeen VJ
 Buxton RB See Rosen BR
 Buxton RB See Wismer GL
 Buxton RB; Edelman RR; Rosen BR; et al: contrast in rapid MR imaging: T1- and T2-weighted imaging. *JCAT* 1987; 11: 7
 Buxton RB; Wismer GL; Brady TJ; et al: quantitative proton chemical-shift imaging. *Magn Res Med* 1986; 3: 881
 Buxton RC; Tan CS; Khine NM; et al: atypical transmurular thoracic lipoma: CT diagnosis. *JCAT* 1988; 12: 196
 Buxton-Thomas MS See Ashford NS
 Buy J-N See Guinet C
 Buy J-N; Ghossain MA; Poirson F; et al: computed tomography of mediastinal lymph nodes in nonsmall cell lung cancer: a new approach based on the lymphatic pathway of tumor spread. *JCAT* 1988; 12: 545
 Buy J-N; Moss AA; Ghossain MA; Sciort C; Malbec L; Vadrot D; Paniel BJ; Decroix Y: peritoneal implants from ovarian tumors: CT findings. *Radiology* 1988; 169: 691
 Buy J-N; Moss AA; Guinet C; Ghossain MA; Malbec L; Arrive L; Vadrot D: MR staging of bladder carcinoma: correlation with pathologic findings. *Radiology* 1988; 169: 695
 Buyon J See Norman A
 Buytaert P See van Dam PA
 Byard RW; Leduc JR; Chambers RJ; et al: rapid evolution of a large mycotic aneurysm of the abdominal aorta. *J Canad Assoc Radiol* 1988; 39: 62
 Bydder GM See Johnson MA
 Bydder GM See Fennock JM
 Bydder GM See Slasky BS
 Bydder GM See Young IR
 Bydder GM; nuclear magnetic resonance of the brain. *Cardiovasc Intervent Radiol* 1986; 8: 264
 Bydder GM; Payne JA; Collins AG; et al: clinical use of rapid T2 weighted partial saturation sequences in MR imaging. *JCAT* 1987; 11: 17
 Bye AME; Hodson E; Kewley G; et al: progressive diaphyseal dysplasia and a low muscle carnitine. *Pediatr Radiol* 1988; 18: 340
 Byers PD See Kemp HBS
 Byers RM See Batsakis JG
 Byers RM See Lo K
 Byfield JE; Lynch M; Kulhanian F: exclusion of an interactive effect of combined x-irradiation and activated cyclophosphamide in tissue culture. *Int J Radiat Oncol Biol Phys* 1986; 12: 1441
 Byhardt R See Seydel HG
 Byhardt RW; Hartz A; Libnoch JA; et al: prognostic influence of TNM staging and LDH levels in small cell carcinoma of the lung (SCCL). *Int J Radiat Oncol Biol Phys* 1986; 12: 771

- Bylund H See Nilsson S
 Byrd EB See Nabors MW
 Byrd SE; Bohan TP; Osborn RE; et al: CT and MR evaluation of lissencephaly. *AJNR* 1988; 9: 923
 Byrd SE; Naidich TP: common congenital brain anomalies. *Radiol Clin North Am* 1988; 26: 755
 Byrd SE; Osborn RE; Radkowski MA; et al: disorders of midline structures: holoprosencephaly, absence of corpus callosum, and Chiari malformations. *Semin US CT MR* 1988; 9: 201
 Byrne JV See Whyte AM
 Byrne JV: case of the season. *Semin Roentgenol* 1986; 21: 101
 Byrne MN; Spector JG: parotid masses: evaluation, analysis, and current management. (ab). *Radiology* 1988; 169: 590
 Byrne P See Travis RC
 Byrne SF: standardized echography of the eye and orbit. *Neuroradiol* 1986; 28: 618
 Byrne WJ See Bank ER

C

- Caballero P See Inaraja L
 Cabanis E See Ferry M
 Cabanis E See Le Bihan D
 Cabanis EA See Braun M
 Cabbad M See Schaffer RM
 Cabellon S See Sippo WC
 Cabral DA; Flodmark O; Farrell K; et al: prospective study of computed tomography in acute bacterial meningitis. (ab). *Radiology* 1988; 167: 591
 Cabrera O; vanSonnenberg E; Wittich GR; et al: sonography of gallstones and biliary dilatation without a visible aetiology: the infrequency of obstructing choledocholithiasis. *Eur J Radiol* 1988; 8: 34
 Cabrera OA See vanSonnenberg E
 Cacayorin ED See Hochhauser I
 Cacayorin ED See Naidich TP
 Cacayorin ED See Petro GR
 Cacayorin ED See Soges LJ
 Cacciatori B See Lehtovirta P
 Cacciotti LR: introduction to radiographic cephalometry. *Radiology* 1986; 161: 68
 Cacciotti LR: Stafne's oral radiographic diagnosis. *Radiology* 1986; 158: 452
 Caceres E See Zaharia M
 Caceres J See Andreu J
 Cáceres J; Mata J; Rams A; et al: pulmonary nodule simulated on the lateral chest radiograph by branches of the aortic arch. *AJR* 1988; 151: 465
 Cadavid G See Ben-Menachem Y
 Cadkin AV; McAlpin J: threatened abortion: sonographic distinction of normal and abnormal gestation sacs. *Radiology* 1986; 160: 567
 Cadman PJ See Nolan DJ
 Cadman PJ; Lindsell DRM; Golding SJ: unusual appearance of renal lymphoma. *Clin Radiol* 1988; 39: 452
 Cadogan E See Fataar S
 Cadotte R; Leger C; Harel C; et al: bronchial angiography: report of 21 patients. *J Canad Assoc Radiol* 1986; 37: 22
 Cadotte RN; Rankin RN: percutaneous drainage and aspiration of fluid collections: emphasis on pancreatic collections and transplant patients. *J Canad Assoc Radiol* 1988; 39: 121
 Cahill DR See Binkovitz LA
 Cahill PT See Erlebacher JA
 Cahill PT See Markisz JA
 Cail WS See Hurst RW
 Cail WS See Park TS
 Caille JM See Allard M
 Caille JM See Boissierie-Lacroix M
 Caille J-M See Cassier C
 Caille JM See Castel J-C
 Cain JB See Shin MS
 Caines GH; Goldstein JH: NMR investigation of hydroxyethyl starch-induced aggregation of human erythrocytes. *Magn Res Med* 1987; 5: 67
 Caines GH; Morgan CF; Long RC Jr; et al: transverse relaxation of saline and plasma using Mn(II), HSA-EDTA-Mn, and HSA-EDTA-Cd: application to erythrocyte water exchange. *Magn Res Med* 1987; 5: 269
 Cajade AG See Levine MS
 Calabrese LH; Mallek JA: primary angitis of the central nervous system: report of 8 new cases, review of the literature, and proposal for diagnostic criteria. (ab). *Radiology* 1988; 169: 295
 Calabro A; Di Prima F; Aragona F; et al: bladder herniation through abdominal wall: exceptional complication of retropubic prostatic adenectomy. *Urol Radiol* 1987; 9: 56
 Calame A See Fawer CL
 Calame JJ See de Slegte RGM
 Calcaterra TC See Berke GS
 Calcaterra TC See Kessler DJ
 Calderwood G; Nguyen DL; Leonard JC: hepatoblastoma. *Clin Nucl Med* 1986; 11: 880
 Caldwell JH See Newman B
 Caldron P See Bogacz K
 Caldwell CB See Vaffe MJ
 Caldwell JR See Longley S
 Caldwell JR See Hurwitz RA
 Caletti GC See Bolondi L
 Calhoun S See Bekemeyer WB
 Calhoun JG See Blane CE
 Calhoun JG See Vydareny KH
 Calhoun JG; Vydareny KH; Ten Haken JD; et al: journal publications in radiology education: a review of the literature, 1966-1986. *Invest Radiol* 1988; 23: 62
 Calhoun JM; Golas DB; Harris SG: effects of varying geometry on dose calibrator response: cobalt-57 and technetium-99m. *J Nucl Med* 1987; 28: 1478
 Calhoun P; Feldman PS; Armstrong P; et al: clinical outcome of needle aspirations of the lung when cancer is not diagnosed. (ab). *Radiology* 1986; 161: 858
 Califf RM See Papanicolaou MN
 Calisti A See Mirk P
 Calitchi E See Pierquin B
 Calkins AR; Jackson VP; Morris JG; et al: sonographic appearance of the irradiated breast. *JCU* 1988; 16: 409
 Calkins AR; Stehman FB; Sutton GP; et al: adenocarcinoma corpus colli: analysis of diagnostic variables. *Int J Radiat Oncol Biol Phys* 1986; 12: 911
 Calkins AR; Stehman FB; Wass JL; et al: pitfalls in interpretation of computed tomography prior to second-look laparotomy in patients with ovarian cancer. *Br J Radiol* 1987; 60: 975
 Callaghan JJ See Lower RF
 Callaghan JJ See McNiesh LM
 Callaghan JJ See Polly DW Jr
 Callaghan JJ See Van Nostrand D
 Callahan AP See Knapp FF Jr
 Callahan LF See Kaye J
 Callahan LF See Nance EP Jr
 Calle R; Vilcoq JR; Zafrani B; et al: local control and survival of breast cancer treated by limited surgery followed by irradiation. *Int J Radiat Oncol Biol Phys* 1986; 12: 873
 Callen PW See Goldstein RB
 Callen PW See Hashimoto BE
 Callen PW See Hoddick WK
 Callen PW See Kleiner B
 Callen PW See Randel SB
 Callen PW See Ruvalo KA
 Callen PW See Townsend RR
 Callen PW; Chooljian D: effect of ventricular dilatation upon biometry of the fetal head. *J Ultrasound Med* 1986; 5: 17
 Callen PW; Hashimoto BE; Newton TH: sonographic evaluation of cerebral cortical mantle thickness in the fetus and neonate with hydrocephalus. *J Ultrasound Med* 1986; 5: 251
 Calley N See Nelson DW Jr
 Callis JT See Dean RH
 Callowich MC See Little CM
 Calo M See Cris G
 Calo M; Cris G; Martinelli C; et al: CT and the diagnosis of myopathies: preliminary findings in 42 cases. *Neuroradiol* 1986; 28: 53
 Calvert X See Pons F
 Calvo FA; Hanks GE: intraoperative trials. *Int J Radiat Oncol Biol Phys* 1988; 14: S111
 Calvo W See Nothdurft W
 Calvo W; Hopewell JW; Reinhold HS; et al: dose-dependent and time-dependent changes in the choroid plexus of the irradiated rat brain. *Br J Radiol* 1987; 60: 1109
 Calvy TM; Segall HD; Gilles FH; et al: CT anatomy of the craniovertebral junction in infants and children. *AJNR* 1987; 8: 489
 Camacho A See Aufermann W
 Camarà ML; Aris A; Padró JM; et al: long-term results of mitral valve surgery in patients with severe pulmonary hypertension. (ab). *Radiology* 1988; 168: 589
 Cambier J See Martin N
 Cambria R See Morse SS
 Camel HM See Perez CA
 Cameron AJ See Molins L
 Cameron BJ See Laxer RM
 Cameron BJ; Laxer RM; Wilmut DM; et al: idiopathic periosteal hyperostosis with dysproteinemia (Goldblum's syndrome): case report and review of the literature. (ab). *Radiology* 1988; 167: 886
 Cameron D See Watson EA
 Cameron DG See Adler J
 Cameron FC See Ransom DT
 Cameron IL See Finnie M
 Cameron JL See Davis MC

- Cameron JL See Redmond PL
 Cameron JL; Pitt HA; Zinner MJ; et al: resection of hepatic duct bifurcation and tranhepatic stenting for sclerosing cholangitis, (ab), *Radiology* 1988; 169: 880
 Camici P See Spinks TJ
 Cammack PL; Edie RN; Edmunds LH Jr: bar calcification of the mitral annulus: a risk factor in mitral valve operations, (ab), *Radiology* 1988; 168: 589
 Cammarata CA See Lang EK
 Cammelli F See Spreafico G
 Campagna NF See Kneeland JB
 Campagnolo R See Bendriem B
 Campana A See Kaulzaric D
 Campana F See Fourquet A
 Campatelli A See DiCandio G
 Campbell A See McKenna RJ Jr
 Campbell AF: multicystic dysplastic kidney and contralateral renal aplasia in a twin: diagnosis by prenatal sonography, *AJR* 1988; 151: 145
 Campbell CA See Holman BL
 Campbell CF; Pearson GA; Collins SM; et al: myocardial proton spin-lattice relaxation times in vitro: effect of elapsed time after excision, *Magn Res Imag* 1986; 4: 473
 Campbell DR See Llewellyn CG
 Campbell DR See Murphy G
 Campbell DR; Mason WF; Flemming BK; et al: therapeutic embolization of the hepatic artery, (ab), *Radiology* 1986; 159: 575
 Campbell GR See Moorehead RJ
 Campbell H See Danher J
 Campbell IR; Green JA; Errington RD; et al: sequential chemotherapy, surgery and radiotherapy in locally advanced breast cancer, *Clin Radiol* 1988; 39: 442
 Campbell J See Kozlowski K
 Campbell J; Gilbert WM; Nicolaides KH; et al: ultrasound screening for spina bifida: cranial and cerebellar signs in a high-risk population, (ab), *Radiology* 1988; 166: 295
 Campbell JA See Thornbury JR
 Campbell JB See Strain JD
 Campbell JD See Henderson JM
 Campbell JP; Wilson SR: pancreatic neoplasms: how useful is evaluation with US?, *Radiology* 1988; 167: 341
 Campbell S See Sia STB
 Campbell WA; Vintzileos AM; Nochimson DJ: comparison of two different ultrasound methods for estimating fetal weight in preterm gestations, *JCU* 1988; 16: 463
 Campbell WE Jr; Weinstein BJ: sonographic appearance of pelvic extramedullary hematopoiesis, *J Ultrasound Med* 1986; 5: 103
 Campbell WL See Herbener T
 Campbell WL See Segel MC
 Campbell WL See Zajko AB
 Campbell WL; Schultz JC: specificity and sensitivity of esophageal motor abnormality in systemic sclerosis (scleroderma) and related diseases: cine-radiographic study, *Gastrointest Radiol* 1986; 11: 218
 Campeau RJ; Bellah RD; Varma DGK: pathologic fractures in a patient with renal osteodystrophy: failure of early detection on bone scans, *Clin Nucl Med* 1987; 12: 510
 Campeau RJ; Ey EH; Varma DGK: thallium-201 uptake in a benign thymoma, *Clin Nucl Med* 1986; 11: 524
 Campeau RJ; Faust JM; Ahmad S: unusual ventilation perfusion scintigram in a case of immunologic pulmonary edema clinically simulating pulmonary embolism, *Clin Nucl Med* 1987; 12: 874
 Campistol J; Fernandez-Alvarez E; Ruscalleda J: CT appearance of low attenuation areas in basal ganglia in childhood: report of 23 cases, *Comput Radiol* 1987; 11: 229
 Campos J; Fox AJ; Vinueza FV; et al: sacular aneurysms in basilar artery fenestration, *AJNR* 1987; 8: 233
 Campos M See Linder B
 Camposampiero A See Corbetti F
 Campra J See Rector WG Jr
 Camputaro CM See Rapoport S
 Camras LR; Reicher MA; Benson JR; et al: partially thrombosed giant aneurysm simulating an arteriovenous malformation on MR imaging, *JCAT* 1987; 11: 326
 Camúñez F See Robledo R
 Camúñez F; Lafuente J; Robledo R; et al: CT demonstration of extension of renal angiomylipoma into the inferior vena cava in a patient with tuberous sclerosis, *Urol Radiol* 1987; 9: 152
 Camunoz F; Simo G; Robledo R; et al: ultrasound diagnosis of ruptured hydatid cyst of the liver with biliary obstruction, *Gastrointest Radiol* 1986; 11: 330
 Camuset JP See Crouzet J
 Camuset JP See Le Ba JF
 Canby RC See Fleckenstein JL
 Cancer Therapy Committee: outline of research activities in radiotherapy of the medical research council's (U.K.) cancer therapy committee, *Int J Radiat Oncol Biol Phys* 1988; 14: 517
 Candandjia G See Schnyder P
 Candiani F See Rubaltelli L
 Candiani F See Solbiati L
 Caneschi S See Di Piero V
 Canestrì G See de Filippi G
 Canevari MA See Rosa M
 Cangir A See Eftekhari F
 Cangir A See Goepfert H
 Canino VR See Tector AJ
 Cann C See Gamsu G
 Cann CC See Gilanz V
 Cann CE See Chafetz NI
 Cann CE See de Geer G
 Cann CE See Fike JR
 Cann CE See Turowski K
 Cann CE See van Waas PFGM
 Cann CE: quantitative CT applications: comparison of current scanners, *Radiology* 1987; 162: 257
 Cann CE: quantitative CT for determination of bone mineral density: a review, *Radiology* 1988; 166: 509
 Canney FA See Priestman SG
 Canning JR See Calkin DJ
 Canning LR See Neirinx RD
 Cannon JG See Dinarello CA
 Canonico A See Mancuso L
 Cantelmo NL; Snow JR; Menzies JO; et al: successful vein bypass in patients with an ischemic limb and palpable popliteal pulse, (ab), *Radiology* 1986; 160: 287
 Canter CE See Vannier MW
 Canter RJ See Nedzelski JM
 Cantor DM See Goldkrand JW
 Cantor RJ See Mohiuddin M
 Cantor RM; Braunstein EM: productive osseous changes about the wrist in rheumatoid arthritis, *Skeletal Radiol* 1987; 16: 397
 Cantrell RW See Levine PA
 Cao Q See Sommer G
 Capanna R; Bertoni F; Bettelli G; et al: dedifferentiated chondrosarcoma, (ab), *Radiology* 1988; 168: 294
 Capanna R; Van Horn JR; Ayala A; et al: osteoid osteoma and osteoblastoma of the talus: report of 40 cases, *Skeletal Radiol* 1986; 15: 360
 Capanna R; Van Horn JR; Ruggieri P; et al: epiphyseal involvement in unicameral bone cysts, *Skeletal Radiol* 1986; 15: 428
 Capek M See Pera A
 Capek P See Alperin MB
 Capek P See Braunstein EM
 Capek V See Mafee MF
 Capellini C See Rosa M
 Capello WN See Wellman HN
 Capelus P See Kaiser MC
 Capitano M See Soulen RL
 Capitano MA See Furler MC
 Capitano MA See Gainei MA
 Capitano MA See Leithiser RE Jr
 Capitano MA See Swartz JD
 Caplan RH; Gundersen GA; Abellera RM; et al: uptake of iodine-131 by a Meckel's diverticulum mimicking metastatic thyroid cancer, *Clin Nucl Med* 1987; 12: 760
 Caplin JL; Flatman WD; Dymond DS: gated right ventricular studies using krypton-81m: comparison with first-pass studies using gold-195m, *J Nucl Med* 1986; 27: 602
 Capozzi A See Bezi M
 Capper WL; Amore JN; Clifford PC; et al: system for rapid analysis of the femoral blood velocity waveform at the bedside, *Ultrasound Med Biol* 1986; 12: 31
 Cappuccio FP See Minton MJ
 Capra RE See Brody AS
 Caprihan A See Altobelli SA
 Caprihan A; Davis JG; Altobelli SA; et al: new method for flow velocity measurement: frequency encoded NMR, *Magn Res Med* 1986; 3: 352
 Capron F See Hoeffel JC
 Capron J-P See Delamarre J
 Capua A See Tombolini V
 Capusten BM See Miller JDR
 Capusten BM: 1987 year book of nuclear medicine, *Radiology* 1988; 166: 760
 Capusten BM: atlas of ultrasonographic artifacts and variants, *Radiology* 1987; 163: 624
 Capusten BM: biomedical imaging, *Radiology* 1987; 163: 644
 Capusten BM: clinics in diagnostic ultrasound: controversies in ultrasound, vol. 19, *Radiology* 1987; 165: 10
 Capusten BM: clinics in diagnostic ultrasound, vol. 21, interventional ultrasound, *Radiology* 1987; 165: 382
 Capusten BM: color atlas of real-time two-dimensional Doppler echocardiography, *Radiology* 1987; 165: 686
 Capusten BM: color Doppler in clinical cardiology, *Radiology* 1988; 168: 720
 Capusten BM: contrast media in pediatric radiology, *Radiology* 1988; 167: 720
 Capusten BM: Doppler echocardiography: practical manual, *Radiology* 1986; 159: 152
 Capusten BM: fundamentals of x-ray and radium physics, 7th ed, *Radiology* 1986; 161: 22
 Capusten BM: gamuts in radiology, 2d ed., *Radiology* 1988; 167: 154
 Capusten BM: handbook of gastrointestinal imaging, *Radiology* 1988; 166: 134
 Capusten BM: handbook of regional cerebral blood flow, *Radiology* 1988; 168: 780
 Capusten BM: nuclear medicine annual 1987, *Radiology* 1988; 166: 766
 Capusten BM: operative ultrasound of the liver and biliary ducts, *Radiology* 1987; 165: 634
 Capusten BM: practical magnetic resonance imaging: a case study report, *Radiology* 1987; 165: 340
 Capusten BM: radiological physicists, *Radiology* 1986; 161: 34
 Capusten BM: radiology today, vol. 4, *Radiology* 1988; 169: 10
 Capusten BM: ultrasound physics and instrumentation, *Radiology* 1986; 159: 544
 Caputo GR See White RD
 Caputo GR; Sechtem U; Tscholakoff D; et al: measurement of myocardial infarct size at early and late time intervals using MR imaging: an experimental study in dogs, *AJR* 1987; 149: 237
 Caputo GR; Tscholakoff D; Sechtem U; et al: measurement of canine left ventricular mass by using MR imaging, *AJR* 1987; 148: 33
 Cara J See Wilanuk LT
 Carabasi RA See Moore JH Jr
 Caramella E See Brunston JN
 Caramora D See Kandarpa K
 Caravelli JF See Heelan RT
 Carberry D See Austin JHM
 Carberry JN See Lo WWM
 Carbo P See Pope CF
 Carbo P See Sostman HD
 Carcietti E; Baldassarre M; Fencio T; et al: iopamidol 300—induced epilepsy: intensive treatment and pathogenic hypothesis, *Neuroradiol* 1988; 30: 256
 Card PJ See Nakada T
 Cardo P See Tubiana M
 Cardia JA See Resnik CS
 Cardella JF See Darcy MD
 Cardella JF See Mercado S
 Cardella JF See Smith TP
 Cardella JF See Young AT
 Cardella JF; Amplatz K: postoperative angiographic and interventional radiologic evaluation of liver recipients, *Radiol Clin North Am* 1987; 25: 309
 Cardella JF; Amplatz K: preoperative angiographic evaluation of prospective liver recipients, *Radiol Clin North Am* 1987; 25: 299
 Cardella JF; Castaneda-Zuniga WR; Hunter DW; et al: angiographic and interventional radiologic considerations in liver transplantation, *AJR* 1986; 146: 143
 Cardella JF; Castaneda-Zuniga WR; Hunter DW; Hulbert JC; Amplatz K: urine-compatible polymer for long-term ureteral stenting, *Radiology* 1986; 161: 313
 Cardella JF; Smith TP; Darcy MD; et al: balloon occlusion femoral angiography prior to in-situ saphenous vein bypass, *Cardiovasc Intervent Radiol* 1987; 10: 181
 Cardella JF; Young AT; Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Knighton D; Nelson D; Amplatz K: lower-extremity venous thrombosis: comparison of venography, impedance plethysmography, and intravenous manometry, *Radiology* 1988; 168: 109
 Cardinal A See Bonnemain B
 Cardinal A See Dunadiu AM
 Cardinale A; Lagalla R; de Maria M; et al: biologic effects of ultrasound on liver cells of rat embryos, *Acta Radiol* 1987; 28: 221
 Cardone JT See May KJ Jr
 Cardot JC See Maubiant JC
 Cardoza J; Schrupp J; Skoldebrand C; et al: biliary obstruction caused by a papilloma of the common hepatic duct, *J Ultrasound Med* 1988; 7: 467
 Cardoza JD; Filly RA; Podrasky AE: dangling choroid plexus: a sonographic observation of value in excluding ventriculomegaly, *AJR* 1988; 151: 767
 Cardoza JD; Goldstein RB; Filly RA: exclusion of fetal ventriculomegaly with a single measurement: the width of the lateral ventricular atrium, *Radiology* 1988; 169: 711
 Cardoza JD; Jeffrey RB Jr: nasogastric feeding tube placement in immobile patients, *Radiology* 1988; 166: 893
 Cardwell MS: Pena-Shokeir syndrome: prenatal diagnosis by ultrasonography, *J Ultrasound Med* 1987; 6: 619
 Carella A; Resta M; Farchi G; et al: bone changes in the pathogenesis of persistence-recurrence of low back pain in patients operated for lumbar disk herniation: CT evaluation, *J Neuroradiol* 1987; 14: 171
 Carrette MF See Musset D
 Carey BM; Arthur RJ; Housley WT: ventriculitis in congenital rubella: ultrasound demonstration, *Pediatr Radiol* 1987; 17: 415

- Carey BM; Williams CE; Arthur RJ: ultrasound demonstration of pericardial empyema in an infant with pyrexia of undetermined origin, *Pediatr Radiol* 1988; 18: 349
- Carey JE See Arnsperg NB
- Carey JE See Koral KF
- Carey JE Jr See Kircos LT
- Carey LS See Fox AJ
- Carey PO; Howards SS: multicystic dysplastic kidneys and diagnostic confusion on renal scan, (ab), *Radiology* 1988; 168: 588
- Carey PO; Lippert MC; Constable WC; et al: combined gold seed implantation and external radiotherapy for Stage B2 or C prostate cancer, (ab), *Radiology* 1988; 169: 588
- Carey R See Choi NC
- Carichner S See Fink-Bennett D
- Caride VJ See Miller MB
- Carignan L See Nicolet V
- Carithers JS See Maves MD
- Carl UM; McNally NJ; Joiner MC: effect of mixed fractionation with x rays and neutrons on tumour growth delay and skin reactions in mice, *Br J Radiol* 1987; 60: 583
- Carlisle T See Whitehead J
- Carlo D See Halpern SE
- Carlo DJ See Ryan KP
- Carlos R; Fukui M; Hasuo K; et al: radiological analysis of hemifacial spasm with special reference to angiographic manifestations, *Neuroradiol* 1986; 28: 288
- Carloti G See Boccardo M
- Carlson K-H See Eriksson J
- Carlson O: absorbed radiation dose in adults from iodine-131 and iodine-123 orthiodohippurate and technetium-99m DTPA renography, *J Nucl Med* 1988; 29: 400
- Carlson O; Kvinesdal B; Nathan E: quantitative evaluation of iodine-123 hippuran gamma camera renography in normal children, *J Nucl Med* 1986; 27: 117
- Carlson HC: perspective: small bowel examination in the diagnosis of Crohn's disease, *AJR* 1986; 147: 63
- Carlson HC: small intestine enema, *AJR* 1988; 150: 510
- Carlson HC; Breen JF: amyloidosis and plasma cell dyscrasias: gastrointestinal involvement, *Semin Roentgenol* 1986; 21: 128
- Carlson J; Crooks LE; Ortendahl DA; Kramer DM; Kaufman L: signal-to-noise ratio and section thickness in two-dimensional versus three-dimensional Fourier transform MR imaging, *Radiology* 1988; 166: 266
- Carlson JA See Ebner F
- Carlson JW See Mills TC
- Carlson JW: currents and fields of thin conductors in rf saddle coils, *Magn Res Med* 1986; 3: 778
- Carlson JW; Arakawa M; Kaufman L; McCarten BM; George C: depth-focused radio frequency coils for MR imaging, *Radiology* 1987; 165: 251
- Carlson KJ See Mulley AG Jr
- Carlson LS; Fletcher GH; Oswald MJ: guidelines for radiotherapeutic techniques for cervical metastases from an unknown primary, *Int J Radiat Oncol Biol Phys* 1986; 12: 2101
- Carlson M See Gilman V
- Carlson RA See Ottery FD
- Carlson RW See Hancock SL
- Carlson L See Ahlstrom H
- Carlsten J See Hemmingson A
- Carlsten J See Russo A
- Carmichael J; Crane JM; Bunn PA; et al: results of therapeutic cranial irradiation in small cell lung cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 455
- Carmichael J; Friedman N; Tochner Z; et al: inhibition of the protective effect of cyclophosphamide by pre-treatment with buthionine sulfoximine, *Int J Radiat Oncol Biol Phys* 1986; 12: 1191
- Carmichael MJ See Akins EW
- Carmody RF See Burt TB
- Carmody RF See Yang PJ
- Carmody RF; Yang PJ; Seeger JF; et al: digital subtraction angiography: update, 1986, *Invest Radiol* 1986; 21: 899
- Carniero d'Albuquerque LA See Uflacker R
- Carney K See George EA
- Carney PG See Crosbie DC
- Caro FA See Mahboobi S
- Caro FA; Borden S IV: plastic bowing of the ribs in children, *Skeletal Radiol* 1988; 17: 255
- Caro FA; Rosenberg HK; Snyder HM III: congenital urethral polyp, *AJR* 1986; 147: 1041
- Caroline DF See Ball DS
- Caroline DF See Brick SH
- Caroline DF See Fiel SB
- Caroline DF See Glick SN
- Caroline DF See Richerman RL
- Caroline DF; Evans K: colitis: radiographic features and differentiation of idiopathic inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 47
- Caroline DF; Hilpert PL; Russin VL: CMV colitis mimicking Crohn's disease in a patient with acquired immune deficiency syndrome (AIDS), *J Canad Assoc Radiol* 1987; 38: 227
- Carolin JM See Stines J
- Caron J-L See Worthington C
- Carpenter HA See Hooyman JR
- Carpenter HA See Prakash UB
- Carpenter J See Gal R
- Carpenter RJ Jr See Reiter AA
- Carr D See Epenetos AA
- Carr DH See Blake PR
- Carr DH See Brooks DJ
- Carr DH See Gibson RN
- Carr DH See Hicks IP
- Carr DH See Walker AC
- Carr DH; Graif M; Niendorf HP; et al: gadolinium-DTPA in the assessment of liver tumours by magnetic resonance imaging, *Clin Radiol* 1986; 37: 347
- Carr L See Goodman JD
- Carr L See Grabb A
- Carr L See Yeh H-C
- Carr M; Jagannath A: hemopericardium resulting from attempted internal jugular vein catheterization: case report and review of complications of central venous catheterization, *Cardiovasc Intervent Radiol* 1986; 9: 214
- Carr MF Jr See Brinberg DE
- Carr RF See Gilchrist AM
- Carr SL; Shaffer HA Jr; de Lange EE: duplication of the colon: varied presentations of a rare congenital anomaly, *J Canad Assoc Radiol* 1988; 39: 29
- Carr TJ See Oliphant L
- Carraro M See Stacul F
- Carrasco CH See Charnsangavej C
- Carrasco CH See Lorigan JG
- Carrasco CH See Miller DA
- Carrasco CH See O'Keefe FN
- Carrasco CH See Swartz IA
- Carrasco CH See Wallace MJ
- Carrasco CH See Wallace S
- Carrasco CH See Woods DM
- Carrasco CH; Charnsangavej C; Ajani J; et al: carcinoma syndrome: palliation by hepatic artery embolization, *AJR* 1986; 147: 149
- Carrasco CH; Richli WR; Charnsangavej C; et al: technical note: repositioning misplaced central venous catheters, *Cardiovasc Intervent Radiol* 1987; 10: 234
- Carrasco CR; Leymaster CE: simple tailored microcomputer system for the obstetrical ultrasound laboratory, *J Ultrasound Med* 1986; 5: 21
- Carrasquillo JA See Woolfenden JM
- Carrasquillo JA; Abrams PG; Schroff RW; et al: effect of antibody dose on the imaging and biodistribution of indium-111 9.2.27 anti-melanoma monoclonal antibody, *J Nucl Med* 1988; 29: 39
- Carrasquillo JA; Mulshine JL; Bunn PA Jr; et al: indium-111 T101 monoclonal antibody is superior to iodine-131 T101 in imaging of cutaneous T-cell lymphoma, *J Nucl Med* 1987; 28: 281
- Carrasquillo JA; Sugarbaker P; Colcher D; et al: radioimmunoscintigraphy of colon cancer with iodine-131-labeled B72.3 monoclonal antibody, *J Nucl Med* 1988; 29: 1022
- Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman B; Schlom J; Larson SM: peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, *Radiology* 1988; 167: 35
- Carrera GF See Kneeland JB
- Carrera GF See Middleton WD
- Carrera GF See Williams AL
- Caretta R See Floyd JL
- Carrier L See Dufresne F
- Carrier L See Le Bel L
- Carrier L See Morais J
- Carrier L See Picard D
- Carrier L See Picard M
- Carrier L; Picard D; Chartrand R; et al: abdominal patterns of indium-111 labeled leukocyte imaging, *Clin Nucl Med* 1986; 11: 153
- Carrington BM; Martin DF: position of the superior mesenteric artery on computed tomography and its relationship to retroperitoneal disease, *Br J Radiol* 1987; 60: 997
- Carrington CB See McCloud TC
- Carrio I See Pons F
- Carrio I; Estorch M: cold sternal image as a sign of metastatic involvement, *Clin Nucl Med* 1986; 11: 417
- Carroll CL See Seidenwurm D
- Carroll CL See Sommer FG
- Carroll CL; Jeffrey RB Jr; Federle MP; et al: CT evaluation of mediastinal infections, *JCAT* 1987; 11: 449
- Carroll CL; Sommer FG; McNeal JE; Stamey TA: abnormal prostate: MR imaging at 1.5 T with histopathologic correlation, *Radiology* 1987; 163: 521
- Carroll B See Sommer FG
- Carroll BA See Davis WK
- Carroll BA See Green D
- Carroll BA See Woodruff WW III
- Carroll CD See Kaufman RA
- Carroll F See James AE Jr
- Carroll FE See Mazer MJ
- Carroll FE See Podgorski GT
- Carroll JE See Murphy WA
- Carroll MJ See Roddie ME
- Carroll PR See Hricak H
- Carroll PR See Thurnher S
- Carroll R See Miketic LM
- Carroll R; Gombergh R: empty-bladder (hystero-graphic) view on US for evaluation of intrauterine devices, work in progress, *Radiology* 1987; 163: 822
- Carroll R; Miketic LM: Ewing sarcoma of the temporal bone: CT appearance, *JCAT* 1987; 11: 362
- Carroll RG See Harwood SJ
- Carruthers JS See Simpson WJ
- Carsin M; Gandon Y; Rolland Y; et al: MRI of the spinal cord: intramedullary tumours, *J Neuroradiol* 1987; 14: 337
- Carsky EW See Panicek DM
- Carson CC See Goldwasser B
- Carson CC III See Brown MW
- Carson JL; Strom BL; Soper KA; et al: association of nonsteroidal antiinflammatory drugs with upper gastrointestinal tract bleeding, (ab), *Rad. Jology* 1987; 163: 837
- Carson PL See Aisen AM
- Carson PL See Blau PH
- Carson PL See Hershman DO
- Carson PL See Madsen EL
- Carson PL See Rubin JM
- Carson PL; Scherzinger AL; Meyer CR; et al: lesion detectability in ultrasonic computed tomography of symptomatic breast patients, *Invest Radiol* 1988; 23: 421
- Carson RE: maximum likelihood method for region-of-interest evaluation in emission tomography, *JCAT* 1986; 10: 654
- Carson RE; Daube-Witherspoon ME; Green MV: method for postinjection PET transmission measurements with a rotating source, *J Nucl Med* 1988; 29: 1558
- Carstensen EL: acoustic cavitation and the safety of diagnostic ultrasound, *Ultrasound Med Biol* 1987; 13: 597
- Carstensen EL: biological effects of acoustic cavitation, *Ultrasound Med Biol* 1986; 12: 703
- Carstensen JM See Törnberg SA
- Carter AP See Beers GJ
- Carter AR See Weiss RM
- Carter BC; Nguyen V; Cone RO; et al: skeletal manifestations of idiopathic bone sclerosis, *Australas Radiol* 1988; 32: 242
- Carter BL See Charnoff SK
- Carter BL See Rao VM
- Carter BL See Shapiro MP
- Carter CJ See Hull RD
- Carter D See Otis CN
- Carter D See Ramos IM
- Carter D See Taylor KJW
- Carter JR See Huefle MG
- Carter JR See Modic MT
- Carter JR See Ross JS
- Carter MP See Lester JW Jr
- Carter RL; Bliss JM; Soo K-C; et al: radical neck dissections for squamous carcinomas: pathological findings and their clinical implications with particular reference to transcarpal spread, *Int J Radiat Oncol Biol Phys* 1987; 13: 825
- Carter SJ See Shuman WP
- Carter SR; Aldridge MJ; Fitzgerald R; et al: stress changes of the wrist in adolescent gymnasts, *Br J Radiol* 1988; 61: 109
- Carter SW See Reynolds H
- Carter MS; Davidoff A; Warneke LA; et al: normal diameter of the fetal aorta and pulmonary artery: echocardiographic evaluation in utero, *AJR* 1987; 149: 1003
- Carter MS; Emerson D; Flappert T; et al: hypoplastic left heart with absence of the aortic valve: prenatal diagnosis using two-dimensional and pulsed Doppler echocardiography, *JCU* 1987; 15: 463
- Cartoni C See Mandelli F
- Carty H See Garrett A
- Carty HML See Kenny JB
- Carty HML See Phelan EMD
- Carvajal S See Ney C
- Carvalho P; Allison DJ: liver biopsy embolization track: ultrasonic appearance, *JCU* 1988; 16: 426
- Carver RA; Okorie M; Steiner GM; et al: infantile hypertrophic pyloric stenosis—diagnosis from the pyloric muscle index, *Clin Radiol* 1987; 38: 625
- Carvlin MJ See Hackney DB
- Carvlin MJ; Arger PH; Kundel HL; et al: acute tubular necrosis: use of gadolinium-DTPA and fast MR imaging to evaluate renal function in the rabbit, *JCAT* 1987; 11: 488

- Casanova P See Bolondi L
 Casanueva B See Rodriguez-Valverde V
 Casarella WJ See Gaylord GM
 Casarella WJ See Hunter DW
 Casarella WJ See Martin LG
 Casarella WJ See Roubin GS
 Casarella WJ See Ruff RJ
 Casarella WJ: percutaneous transluminal angioplasty below the knee: new techniques, excellent results, *Radiology* 1988; 169: 271
 Casarotto D See Sheiban I
 Casas JD See Baro P
 Casasco A See Theron J
 Cascino TL See Earnest F IV
 Caseldine J See Dowle CS
 Casey M See Ginjaume M
 Casey ME; Hoffman EJ: quantitation in positron emission computed tomography: 7. technique to reduce noise in accidental coincidence measurements and coincidence efficiency calibration, *JCAT* 1986; 10: 845
 Casey TT; Stone WJ; DiRaimondo CR; et al: tumoral amyloidosis of bone of beta₂-microglobulin origin in association with long-term hemodialysis: new type of amyloid disease, (ab), *Radiology* 1986; 161: 860
 Cash M See Orenstein M
 Cashman MD See Berkman WA
 Cashner KA; Christopher CR; Dysert GA: spontaneous fetal loss after demonstration of a live fetus in the first trimester, (ab), *Radiology* 1988; 167: 884
 Casillas J See Castillo M
 Casillas J See Fanney D
 Casillas J See Murphy BJ
 Caskey C See Zerhouni EA
 Caskey CL; Fishman EK: computed tomography of calcified metastases to skeletal muscle from adenocarcinoma of the colon, *CT* 1988; 12: 199
 Casola G See Bret PM
 Casola G See Christensen RA
 Casola G See Herba MJ
 Casola G See Lee AS
 Casola G See Neff CC
 Casola G See Quinn SF
 Casola G See Romano AJ
 Casola G See Stavas J
 Casola G See vanSonnenberg E
 Casola G See Varney RA
 Casola G See Withers CE
 Casola G; Nicolet V; vanSonnenberg E; Withers C; Bretagnolle M; Saba RM: unsuspected pheochromocytoma: risk of blood-pressure alterations during percutaneous adrenal biopsy, *Radiology* 1986; 159: 733
 Casola G; vanSonnenberg E; Keightley A; Ho M; Withers C; Lee AS: pneumothorax: radiologic treatment with small catheters, *Radiology* 1988; 164: 89
 Casola G; vanSonnenberg E; Neff CC; Saba RM; Withers C; Emarine CW: abscesses in Crohn disease: percutaneous drainage, *Radiology* 1987; 163: 19
 Casola G; Withers C; vanSonnenberg E; Herba MJ; Saba RM; Brown RA: percutaneous cecostomy for decompression of the massively distended cecum, *Radiology* 1986; 158: 793
 Casolo F; Bianco R; Franceschelli N: perirenal fluid collection complicating chronic pancreatitis: CT demonstration, *Gastrointest Radiol* 1987; 12: 117
 Cass AS; Luxenberg M: traumatic thrombosis of a segmental branch of the renal artery, (ab), *Radiology* 1987; 165: 884
 Cass AS; Luxenberg M; Gleich P; et al: clinical indications for radiographic evaluation of blunt renal trauma, (ab), *Radiology* 1987; 162: 292
 Cassidy JR See Eifel FJ
 Cassar-Pullicino V See Colhoun EN
 Casselden PA: ocular lens dose in cerebral vascular imaging, *Br J Radiol* 1988; 61: 202
 Casselman J See Wilms GE
 Casselman J; Oyen R; Baert A; et al: computed tomography of infected epiglottic cyst, *JCAT* 1986; 10: 694
 Casselman JW; Demeulemeester L; Bosuoyt M; et al: CT findings in sylvian chondromatosis of the temporomandibular joint, *JCAT* 1987; 11: 898
 Casselman JW; Lemahieu SF; Peene P; et al: polychondritis affecting the laryngeal cartilages: CT findings, *AJR* 1988; 150: 355
 Casselman JW; Mancuso AA: major salivary gland masses: comparison of MR imaging and CT, *Radiology* 1987; 165: 183
 Casselman JW; Smet MH; Van Damme B; et al: primary cervical neuroblastoma: CT and MR findings, *JCAT* 1988; 12: 684
 Cassidy FP Jr; Zajko AB; Bron KM; et al: noninfectious complications of long-term central venous catheters: radiologic evaluation and management, *AJR* 1987; 149: 671
 Cassidy MM See Sechtum U
 Cassidy MM See White RD
 Cassidy TD See Newmark H III
 Cassier C; Kien P; Caille J-M: CT images in constitutional abnormalities of the posterior pole of the eye: optic disc coloboma, posterior pole staphyloma, *J Neuroradiol* 1986; 13: 11
 Cassini NJ See Mendenhall WM
 Cassini NJ See Parsons JT
 Castagno AA See Shuman WP
 Castagno AA; Shuman WP: MR imaging in clinically suspected brachial plexus tumor, *AJR* 1987; 149: 1219
 Castagno AA; Shuman WP; Kilcoyne RF; Haynor DR; Morris ME; Matsen FA: complex fractures of the proximal humerus: role of CT in treatment, *Radiology* 1987; 165: 759
 Castaing D; Emond J; Bismuth H; et al: utility of operative ultrasound in the surgical management of liver tumors, (ab), *Radiology* 1987; 164: 291
 Castaings L; Moret J; Picard L; et al: sodium nitroprusside for the control of arterial spasm during embolization in the territory of the external carotid artery, *J Neuroradiol* 1986; 13: 32
 Castaldi G See Orziccolo C
 Castaneda F: noninvasive diagnosis of peripheral vascular disease, *Radiology* 1988; 168: 732
 Castaneda F; Johnson S; Hulbert JC; et al: urethroplasty with balloon catheter in prostatic hypertrophy, *AJR* 1987; 149: 313
 Castaneda F; Lund GB; Larson BW; Limas E; Urness M; Reddy PK; Wasserman N; Hulbert JC; Hunter DW; Castaneda-Zuniga WR; Amplatz K: prostatic urethra: experimental dilation in dogs, *Radiology* 1987; 163: 645
 Castaneda F; Reddy PK; Wasserman N; Hulbert JC; Lund GB; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K: benign prostatic hypertrophy: retrograde transurethral dilation of the prostatic urethra in humans: work in progress, *Radiology* 1987; 163: 649
 Castaneda-Zuniga WR See Brazzini A
 Castaneda-Zuniga WR See Butto F
 Castaneda-Zuniga WR See Cardella JF
 Castaneda-Zuniga WR See Castaneda F
 Castaneda-Zuniga WR See Darcy MD
 Castaneda-Zuniga WR See Derauf BJ
 Castaneda-Zuniga WR See Letourneau JG
 Castaneda-Zuniga WR See Maynar M
 Castaneda-Zuniga WR See Mercado S
 Castaneda-Zuniga WR See Nordstrom LA
 Castaneda-Zuniga WR See Robinson JD
 Castaneda-Zuniga WR See Smith TP
 Castaneda-Zuniga WR See Young AT
 Castaneda-Zuniga WR See Zollhofer CL
 Castels-Vandaele M See Marchal GJF
 Castel J-C; Dorcier F; Caille JM: penetration of the brain by nonionic water soluble tri- and hexadiminated contrast media: experimental autoradiographic study of two contrast media: iotrol and iopamidol labelled with iodine 125, *Neuroradiol* 1987; 29: 206
 Castele RJ See Connors AF Jr
 Castellanos JA; Gerritsen GJ; Kaiser MC; Valk J; van Zanen TEG; Golding RG; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB: invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, *Radiology* 1988; 167: 199
 Castellanos JA; Kaiser MC; Valk J; et al: MR imaging of laryngeal cancer, *JCAT* 1987; 11: 134
 Castellani V See Visona A
 Castelli C See Pazzaglia UE
 Castellino RA See Blank N
 Castellino RA See Marglin SI
 Castellino RA: Hodgkin disease: imaging studies and patient management, *Radiology* 1988; 169: 269
 Castellino RA: Hodgkin disease: practical concepts for the diagnostic radiologist, *Radiology* 1986; 159: 305
 Castellino RA; Blank N; Hoppe RT; Cho C: Hodgkin disease: contributions of chest CT in the initial staging evaluation, *Radiology* 1986; 160: 603
 Castello J See Pinto I
 Castillo M See Fanney D
 Castillo M; Casillas J: CT appearance of giant renal angiomyolipoma, *Comput Radiol* 1987; 11: 49
 Castillo M; Casillas J: unusual long term follow-up of xanthogranulomatous pyelonephritis by computed tomography: case report, *Comput Radiol* 1986; 4: 179
 Castillo M; Murphy R: septic portal vein thrombophlebitis: computed tomography appearance, case report, *Comput Radiol* 1986; 10: 289
 Castillo M; Nunez D; Morillo G: review of computed tomography findings in thrombosis of the major abdominal venous pathways, *CT* 1986; 10: 205
 Castillo M; Quencer RM; Green BA; et al: syringomyelia as a consequence of compressive extramedullary lesions: postoperative clinical and radiological manifestations, *AJNR* 1987; 8: 973
 Castillo M; Quencer RM; Post MJD: MR of intramedullary spinal cysticercosis, *AJNR* 1988; 9: 393
 Castillo M; Tehranzadeh J; Becerra J; et al: case report 408, *Skeletal Radiol* 1987; 16: 74
 Castillo N See Herrera-Ornelas L
 Castor WR See Willan BD
 Castro JR See Austin-Seymour MM
 Castro JR See Berson AM
 Castro JR See Linstadt D
 Castro JR See Zink SR
 Castro JR; Reimers MM: charged particle radiotherapy of selected tumors in the head and neck, *Int J Radiat Oncol Biol Phys* 1988; 14: 711
 Castro-Malaspina H See Shank B
 Castronovo FP Jr See Dann J
 Castronovo FP Jr: gastroesophageal scintiscanning in a pediatric population: dosimetry, *J Nucl Med* 1986; 27: 1212
 Castronovo FP Jr: iodine-131 thyroid uptake results in travelers returning from Europe after the Chernobyl accident, *J Nucl Med* 1987; 28: 535
 Castronovo J See Lisann NM
 Castronovo JJ See Amesur P
 Castrucci M See Rossi P
 Cattalotti L See Ciatto S
 Catalana WJ See Biondetti PR
 Catalana WJ See Tackett RE
 Catapia FC See Takayasu K
 Catelli WF See Hinshaw DB Jr
 Catena L See Markle BM
 Catena LM See Taylor GA
 Cates JD See Foley WD
 Cates JD See Middleton WD
 Cates JD; Foley WD; Lawson TL: retrograde opacification of the renal vein: CT sign of renal artery avulsion, *Urol Radiol* 1986; 8: 92
 Cates JD; Thorsen MK; Foley WD; et al: CT diagnosis of massive hemorrhage from hepatocellular carcinoma, *JCAT* 1987; 11: 81
 Cates JD; Thorsen MK; Lawson TL; et al: CT evaluation of parathyroid adenomas: diagnostic criteria and pitfalls, *JCAT* 1988; 12: 626
 Cates KL See Feder HM
 Cathcart KNS See Teicher BA
 Cathcart-Rake W See Becker NJ
 Caté D; Lovrinčević A; Čengić-Huković F; et al: CT diagnosis of hematocele, *Comput Med Imag Graph* 1988; 12: 315
 Cattau EL See Zeman RK
 Cattau EL Jr See Drane WE
 Catterall A See Berman L
 Catterall A See Dorrell JH
 Catterall M See Errington RD
 Catterall M; Errington RD: implications of improved treatment of malignant salivary gland tumors by fast neutron radiotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1313
 Catterall M; Errington RD; Bewley DK: comparison of clinical and laboratory data on neutron therapy for locally advanced tumors, *Int J Radiat Oncol Biol Phys* 1987; 13: 1783
 Cattin F See Maesol J
 Catz A See Reider-Groswasser I
 Catz A; Reider-Groswasser I: acoustic neuroma and posterior fossa meningioma: clinical and CT radiologic findings, *Neuroradiol* 1986; 28: 47
 Catz Z See Lentle BC
 Caudana R See Proccaci C
 Caudill JL See Beltran J
 Caudry M; Escarmant F; Maire JP; et al: radiotherapy of gastric cancer with a three field combination: feasibility, tolerance, and survival, *Int J Radiat Oncol Biol Phys* 1987; 13: 1821
 Cauquil P See Van Beers B
 Cauey G See Mitchell MJ
 Cavalieri R See Nelson MJ
 Cavanagh D See Quinn SF
 Cavanagh N See Kendall B
 Cavanagh P See Jones DK
 Cavanaugh DJ See Unger FM
 Cawley KM See Kelly RB
 Cawthon MA See Bauman JM
 Cawthon MA See Hartshorne MF
 Cawthon MA See Telepak RJ
 Cawthon MA See Timmons JH
 Cawthon MA; Hartshorne MF; Bauman JM: SPECT confidence building: subtle skull bone imaging lesions made conspicuous, *Clin Nucl Med* 1986; 11: 805
 Cawthorne S See Belli A
 Caygill CPJ; Hilli MJ; Hall CN; et al: increased risk of cancer at multiple sites after gastric surgery for peptic ulcer, (ab), *Radiology* 1988; 167: 586

- Cazenave C See Virapongse C
- Cazenave CR; Williams JL: scrotal cup for testicular ultrasound, *JCU* 1987; 15: 357
- Cazenave F See Bruneton JN
- Cecarelli C; Pacini F; Lippi F; et al: unusual case of a false-positive iodine-131 whole body scan in a patient with papillary thyroid cancer, *Clin Nucl Med* 1988; 13: 192
- Cecchini A; Locatelli D; Bonfanti N; et al: lipomyelomeningocele: a neuroanatomical approach, *J Neurosurg* 1988; 15: 49
- Ceckler TL; Bryant RG; Hornak JP: noise reduction in wide-bore magnets using a patient cage, *Magn Res Med* 1987; 5: 173
- Cederholm C See Weibull H
- Cederlund C-G; Edlin R: asymptomatic leiomyosarcoma of the inferior vena cava: incidental finding at ultrasonography, *Acta Radiol* 1987; 28: 181
- Cello J See Dolmatch BL
- Celorio C See Orense M
- Cementina AM See Feder HM
- Cengic-Huković F See Catić D
- Centers for Disease Control: classification system for human T-lymphotropic virus type III/lymphadenopathy-associated virus infections, (ab), *Radiology* 1987; 163: 586
- Cerdan S; Subramanian VH; Hilberman M; et al: ³¹P NMR detection of mobile dog brain phospholipids, *Magn Res Med* 1986; 3: 432
- Cerebral Embolism Study Group: cardioembolic stroke, early anticoagulation, and brain hemorrhage, (ab), *Radiology* 1987; 164: 885
- Cerise EJ See Browder W
- Cerny JA See Bassett LW
- Cerny JC See Littleton RH
- Cerqueira MD See Eary JF
- Cerqueira MD See Gilbert BR
- Cerqueira MD; Harp GD; Ritchie JL: evaluation of myocardial perfusion and function by single photon emission computed tomography, *Semin Nucl Med* 1987; 17: 200
- Cerqueira MD; Matsuoaka D; Ritchie JL; et al: influence of collimators on SPECT center of rotation measurements: artifact generation and acceptance testing, *J Nucl Med* 1988; 29: 1393
- Cervantes CD; Lifshitz F; Levenbrown J: radiologic anthropometry of the hand in patients with familial short stature, *Pediatr Radiol* 1988; 18: 210
- Cesaretti A See Grolli C
- Cesarini K; Pech P; Haughton VM: experimental endovascular reinforcement, *Neuroradiol* 1986; 28: 78
- Cesaro P See Defer G
- Cetrulo CI See Feingold M
- Ceuterick L; Baert AL; Marchal G; et al: CT diagnosis of primary torsion of greater omentum, *JCAT* 1987; 11: 1083
- Chaabane M See Ladeb MF
- Chachati A; Meyers A; Godon JP; et al: rapid method for the measurement of differential renal function: validation, *J Nucl Med* 1987; 28: 829
- Chadduck WM See Angtuaco EJC
- Chadha M; Shank B; Fuks Z; et al: improved survival of poor prognosis diffuse histiocytic (large cell) lymphoma managed with sequential induction chemotherapy, "boost" radiation therapy, and autologous bone marrow transplantation, *Int J Radiat Oncol Biol Phys* 1988; 14: 407
- Chafetz NI See Lang P
- Chafetz NI; Cann CE; Morris JM; Steinbach LS; Goldberg HI; Ax L: pseudarthrosis following lumbar fusion: detection by direct coronal CT scanning, *Radiology* 1987; 162: 803
- Chaffetz N See Rothman SLG
- Chagnon SF; Vallee CA; Barge J; Chevalier L; Le Gal J; Biery MV: aneurysmal portahepatic venous fistula: report of two cases, *Radiology* 1986; 159: 693
- Chaisson D See Laxer RM
- Chaitman BR See Goodgold HM
- Chaix AF See Pettilat JP
- Chak LY; Zatz LM; Wasserstein P; et al: neurologic dysfunction in patients treated for small cell carcinoma of the lung: clinical and radiological study, *Int J Radiat Oncol Biol Phys* 1986; 12: 385
- Chakera TMH See Foulner D
- Chakera TMH See Greenberger R
- Chakera TMH; Bedbrook G; Bradley CM: spontaneous resolution of spinal canal deformity after burst-dispersion fracture, *AJNR* 1988; 9: 779
- Chakeres DW See Beltran J
- Chakeres DW See Kapila A
- Chakeres DW; Bryan RN: acute subarachnoid hemorrhage: in vitro comparison of magnetic resonance and computed tomography, *AJNR* 1986; 7: 223
- Chakeres DW; Flickinger F; Bressanahan JC; et al: MR imaging of acute spinal cord trauma, *AJNR* 1987; 8: 5
- Chakeres DW; Kapila A; LaMasters D: radiology of the ambient cistern. part II: pathology, *Neuroradiol* 1986; 28: 4
- Chakeres DW; Weider DJ: computed tomography of the ossicles, (ab), *Radiology* 1986; 158: 860
- Chakmakian V See Newmark H III
- Chako AC See Wiener JI
- Chakraborty DP See Cousin AJ
- Chakraborty DP See Gray JE
- Chakraborty DP See Niklason LT
- Chakraborty DP; Breatnach ES; Yester MV; Soto B; Barnes GT; Fraser RG: digital and conventional chest imaging: modified ROC study of observer performance using simulated nodules, *Radiology* 1986; 158: 35
- Chakravarty M: utilization of angiography in trauma, *Radiol Clin North Am* 1986; 24: 383
- Chaloupi J See Duprat G Jr
- Chaleby K See Jinkins JR
- Chaliff MI See Proto AV
- Challa VR; Moody DM: white-matter lesions in MR imaging of elderly subjects, *Radiology* 1987; 164: 874
- Challoner D See Plant GR
- Chalmers AG See McNamara MJ
- Chalmers AG; Gallegos NC: spondylolysis of the anterior arch of the atlas, (ab), *Radiology* 1986; 158: 859
- Chalmers AG; Robinson PJ; Chapman AH: embolisation in small bowel haemorrhage, *Clin Radiol* 1986; 37: 379
- Chalmers AG; Wyatt J; Robinson PJ: computed tomographic and pathological findings in pulmonary alveolar microlithiasis, *Br J Radiol* 1986; 59: 408
- Chaloupka JC; Fishman EK; Siegelman SS: use of CT in the evaluation of primary cardiac tumors, *Cardiovasc Intervent Radiol* 1986; 9: 132
- Chaly T; Diksic M: high yield synthesis of 6-^[18F]fluoro-L-DOPA by regioselective fluorination of protected L-DOPA with ^[18F]fluoride, *J Nucl Med* 1986; 27: 1896
- Chaly T; Diksic M: synthesis of "no-carrier-added" α-^[11C] methyl-L-tryptophan, *J Nucl Med* 1988; 29: 370
- Chamberlain AT See Guyer PB
- Chamberlain DW See Huang D
- Chamberlain DW See Weisbrod GL
- Chamberlain J See Howd A
- Chamberlain MJ See Vezina WC
- Chambers AA: thoracic disk herniation, *Semin Roentgenol* 1988; 23: 111
- Chambers RJ See Byard RW
- Chambers RJ: quantitative coronary and left ventricular cineangiography, *Radiology* 1987; 164: 698
- Chambers RJ: state of the art in quantitative coronary arteriography, *Radiology* 1988; 166: 592
- Chambers SE; Muir BB; Bell JE: "bullet"-shaped head in fetuses with spina bifida: a pointer to the spinal lesion, *JCU* 1988; 16: 25
- Chamides BK See Davis SD
- Champion GD See Sambrook PN
- Chan APS See Olive PL
- Chan B; Bergstrom M; Palmer MR; et al: scatter distribution in transmission measurements with positron emission tomography, *JCAT* 1986; 10: 296
- Chan CK; Hutcheon MA; Hyland RH; et al: pulmonary tumor embolism: a critical review of clinical, imaging, and hemodynamic features, *J Thorac Imag* 1987; 2: 4
- Chan DW See Drew HM
- Chan F-L See Chan SCH
- Chan FL See Chau EMT
- Chan FL See Lau SPC
- Chan FL See Tam PKH
- Chan FL See Woo E
- Chan F-L; Cheng C-S; Tam PK-H; et al: sacrococcygeal teratoma: computed tomography evaluation, *CT* 1987; 11: 200
- Chan F-L; Ho EKW; Chau EMT: spinal pseudarthrosis complicating ankylosing spondylitis: comparison of CT and conventional tomography, *AJR* 1988; 150: 611
- Chan FL; Ho EKW; Fang D; et al: spinal pseudarthrosis in ankylosing spondylitis, *Acta Radiol* 1987; 28: 383
- Chan F-L; Tso W-K; Wong L-C; Ngan H: barium intravascular: radiographic and CT findings in a nonfatal case, *Radiology* 1987; 163: 311
- Chan H-P See Doi K
- Chan H-P See MacMahon H
- Chan H-P; Vyborny CJ; MacMahon H; et al: digital mammography: ROC studies of the effects of pixel size and unsharp-mask filtering on the detection of subtle microcalcifications, *Invest Radiol* 1987; 22: 581
- Chan HSL; Sonley MJ; Moes CAF; et al: primary and secondary tumors of childhood involving the heart, pericardium, and great vessels: report of 75 cases and review of the literature, (ab), *Radiology* 1986; 158: 574
- Chan J See Marcovitz S
- Chan JC See Post MJD
- Chan KK; Walmough DJ; Hope DT; et al: new motor-driven surgical probe and its in vitro comparison with the Cavitron Ultrasonic Surgical Aspirator, *Ultrasound Med Biol* 1986; 12: 279
- Chan K-W See LeBlanc JG
- Chan MSY See Price J
- Chan O See Thomas ML
- Chan PKL; Skov KA; James BR; et al: new ruthenium radiosensitizer: RuCl₂(DMSO)₂(4-nitroimidazole), *Int J Radiat Oncol Biol Phys* 1986; 12: 1059
- Chan PYM See Zevallos M
- Chan R; Wamshawski RS; Scott J; et al: experience with I-131-metaiodobenzylguanidine (MIBG): retrospective study, *J Canad Assoc Radiol* 1987; 38: 35
- Chan SCH; Chan F-L; Chau EMT; et al: portal thrombosis complicating appendicitis: ultrasound detection and hepatic computed tomography lobar attenuation alteration, *CT* 1988; 12: 208
- Chan SM; Hoffer PB; Maric N; et al: comparison of gallium-67 versus indium-111 monoclonal antibody (96.5, ZME-018) in detection of human melanoma in athymic mice, *J Nucl Med* 1987; 28: 1441
- Chan SM; Hoffer PB; Maric N; et al: inhibition of gallium-67 uptake in melanoma by an anti-human transferrin receptor monoclonal antibody, *J Nucl Med* 1987; 28: 1303
- Chan T; Levine MS; Park Y; cholesterol embolization as a cause of cecal infarct mimicking carcinoma, *AJR* 1988; 150: 1315
- Chan WC See Erwin BC
- Chanas D See Vincent RN
- Chance B See Schnall MD
- Chandler JB See El-Khoury GY
- Chandler KW See Alberts WM
- Chandler PW; Shin MS; Friedman SE; et al: radiographic manifestations of bronchiolitis obliterans with organizing pneumonia vs usual interstitial pneumonia, *AJR* 1986; 147: 899
- Chandler ST; Anderson P: method for thresholding subtracted images in radiolabelled-antibody imaging, *Br J Radiol* 1987; 60: 881
- Chandler WF See Platt JF
- Chandler WF See Rubin JM
- Chandra K See Basu SK
- Chandra R See Jungreis CA
- Chandra R See Lubbers RM
- Chandra R See Pizzarello DJ
- Chandra R See Rumancik WM
- Chandra R; Pizzarello DJ: effect of stress on proton relaxation times (T1 and T2) of rat liver, *Invest Radiol* 1986; 21: 652
- Chandramouly B See Amesur P
- Chandramouly BS; Burgess CK; Vaccaro RM: diagnostic significance of unusual small intestinal pattern of technetium-99m DISIDA hepatobiliary imaging studies, *Clin Nucl Med* 1987; 12: 852
- Chandra-Sekar B See Vitek JJ
- Chandrasekaran K; Greenleaf JF; Robinson BS; et al: echocardiographic visualization of acute myocardial ischemia—in vitro study, *Ultrasound Med Biol* 1986; 12: 785
- Chandrasoma P See Bentley E
- Chandrasoma P See Marks S
- Chandrasoma P See Radin DR
- Chaney C See Erdman WA
- Chaney EL See Bourland JD
- Chang A; Glazer HS; Lee JKT; Ling D; Heiken JP: adrenal gland: MR imaging, *Radiology* 1987; 163: 123
- Chang AE See Miller DL
- Chang AE See Reing JW
- Chang AE; Matory YL; Dwyer AJ; et al: magnetic resonance imaging versus computed tomography in the evaluation of soft tissue tumors of the extremities, (ab), *Radiology* 1987; 163: 590
- Chang B See Kaufman JL
- Chang C See Marcial VA
- Chang CCN See Giulian BB
- Chang CH See Liskow A
- Chang C-H See Vinocur L
- Chang CHJ See Fritz SL
- Chang FC See Jeffrey RB Jr
- Chang FM See Chen HY
- Chang GY See McMurdo SK Jr
- Chang H See Feinberg DA
- Chang H; Leone LA; Tefft M; Nigri PT: advanced head and neck cancer: response to and toxicity of multimodality therapy, *Radiology* 1988; 168: 863
- Chang J See Lui B
- Chang JB See Pillari G
- Chang JY; Duara R; Barker W; et al: two behavioral states studied in a single PET/CT procedure: theory, method, and preliminary results, *J Nucl Med* 1987; 28: 852
- Chang KH See Chang JW
- Chang KH See Hesselink JR
- Chang KH See Lim TH

- Chang KH; Cho SY; Chi JG; Kim WS; Han MC; Kim C-W; Myung H; Choi KS: cerebral sparganosis: CT characteristics. *Radiology* 1987; 168: 505
- Chang KH; Kim WS; Cho SY; et al: comparative evaluation of brain CT and ELISA in the diagnosis of neurocysticercosis. *AJNR* 1988; 9: 125
- Chang KS See Chung AYC
- Chang L-H; Pereira BM; Weinstein PR; et al: comparison of lactate concentration determinations in ischemic and hypoxic rat brains by *in vivo* and *in vitro* ^1H NMR spectroscopy. *Magn Res Med* 1987; 4: 575
- Chang M See Hack SN
- Chang R See Halden WJ Jr
- Chang R See Kinnison ML
- Chang R See Miller DL
- Chang R See Murray RR Jr
- Chang R See Shawker TH
- Chang R See Shuman L
- Chang R; Marshall EF; Mitchell S: percutaneous management of benign ureteral strictures and fistulas. (ab). *Radiology* 1987; 165: 884
- Chang T See Teng MMH
- Chang W See Ehrhardt JC
- Chang W: slice characteristics of the Imatron cine-CT scanner. *JCAT* 1987; 11: 554
- Chang W; Li S; Williams JJ; et al: new methods of examining gamma camera collimators. *J Nucl Med* 1988; 29: 676
- Chang YCF See Hricak H
- Chang YCF; Hricak H; Thurnher S; Lacey CG: vagina: evaluation with MR imaging. part II. neoplasms. *Radiology* 1988; 169: 175
- Chang-Chien C-S See Lee C-M
- Chankji J See Briguet A
- Chantelois AE See Blue PW
- Chantreau D See Hoeftel JC
- Chao P See Farman J
- Chao PW; Farman J; Kapelner S: CT features of presacral mass: unusual focus of extramedullary hematopoiesis. *JCAT* 1986; 10: 684
- Chao Y-S See Wedeen VJ
- Chaplin DJ See Douglas BG
- Chaplin DJ See Olive PL
- Chaplin DJ; Acker B: effect of hydralazine on the tumor cytotoxicity of the hypoxic cell cytotoxin RSU-1069: evidence for therapeutic gain. *Int J Radiat Oncol Biol Phys* 1987; 13: 579
- Chaplin DJ; Douglas BG; Grulkey W; et al: response of mouse epidermis to fractionated doses of α mesons. *Int J Radiat Oncol Biol Phys* 1987; 13: 1199
- Chaplin DJ; Durand RE; Olive PL: acute hypoxia in tumors: implications for modifiers of radiation effects. *Int J Radiat Oncol Biol Phys* 1986; 12: 1279
- Chaplin DJ; Durand RE; Stratford IJ; et al: radiosensitizing and toxic effects of RSU-1069 on hypoxic cells in a murine tumor. *Int J Radiat Oncol Biol Phys* 1986; 12: 1091
- Chapman AH See Chalmers AG
- Chapman AH See Lodge JPA
- Chapman B See Howseman AM
- Chapman B; Turner R; Ordridge RJ; et al: real-time movie imaging from a single cardiac cycle by NMR. *Magn Res Med* 1987; 5: 246
- Chapman JC See James AE Jr
- Chapman JD See Kanclerz A
- Chapman JD See Urtsan RC
- Chapman JD See Van Os-Corby DJ
- Chapman JE See Heller RM
- Chapman JP; Gonzalez J; Diokno AC: significance of urinary extravasation during renal colic. (ab). *Radiology* 1988; 167: 885
- Chapman JR See Treacher DF
- Chapman M See Hall-Craggs MA
- Chapman PK See Allwright SJ
- Chapman S: acute scrotum: a complication of cardiac catheterization. *Br J Radiol* 1988; 61: 162
- Chapman S: trichothiodystrophy syndrome of Pollitt. *Pediatr Radiol* 1988; 18: 154
- Chapman WH See Russell KJ
- Chappard S See Rossi J-F
- Chappell G See Savader SJ
- Chappell BW: cervical spinal stenosis: determination with vertebral body ratio method. *Radiology* 1988; 167: 282
- Chappuis CW See Bringaze WL III
- Char DH See Fries PD
- Char DH See Linstadt D
- Charache S See Magid D
- Charachon R; Crouzet G; Vasdev A; et al: tumours of the petrous apex: a clinical series. *J Neuroradiol* 1988; 15: 186
- Charbeau P See Kernschot EAJ
- Charboneau JW See Bornstein I
- Charboneau JW See Brandt DJ
- Charboneau JW See Edmonson GR
- Charboneau JW See Galiber AK
- Charboneau JW See Gorman B
- Charboneau JW See Kriegerhauser JS
- Charboneau JW See Merton MJ
- Charboneau JW See Ormson ML
- Charboneau JW See Reading CC
- Charboneau JW See Sutton RT
- Chard MJ See Tudway DC
- Chardavoyne R; Kumari-Subhaya S; Auguste LJ; et al: comparison of intraoperative ultrasonography and cholangiography in detection of small common bile duct stones. (ab). *Radiology* 1988; 166: 908
- Charles ND; Maurer AH; Siegel JA; Radecki PD; Malmud LS: MR imaging in thyroid disorders: correlation of signal intensity with Graves disease activity. *Radiology* 1987; 164: 491
- Charles ND; Siddhivarn N; Schneck CD: bone scanning in the adductor insertion avulsion syndrome ("thigh splints"). *J Nucl Med* 1987; 28: 1835
- Charlebois N; Saint-Georges G; Hudson G: percutaneous transluminal angioplasty of the lower abdominal aorta. *AJR* 1986; 146: 369
- Charlebois S See Lafortune M
- Charles C See Axel L
- Charles HC See Bottomley PA
- Charles HC See Breger RK
- Charles HC See Lenkinski RE
- Charleson FP See Flanagan RJ
- Charletta DA: microcomputer-assisted residency data management. *Invest Radiol* 1988; 23: 224
- Charlin B See Brasseur-Lamontagne L
- Charnas L See White RI Jr
- Charnoff SK; Carter BL: plunging ranula: CT diagnosis. *Radiology* 1986; 158: 467
- Charnsangavej C See Carrasco CH
- Charnsangavej C See Duprat G Jr
- Charnsangavej C See Lawrence DD Jr
- Charnsangavej C See Lorigan JG
- Charnsangavej C See O'Keeffe FN
- Charnsangavej C See Rollins N
- Charnsangavej C See Wallace MJ
- Charnsangavej C See Wallace S
- Charnsangavej C See Wright KC
- Charnsangavej C; Carrasco CH; Wallace S; Richli W; Haynie TP: hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy. *Radiology* 1987; 165: 71
- Charnsangavej C; Carrasco CH; Wallace S; Wright KC; Ogawa K; Richli W; Gianturco C: stenosis of the vena cava: preliminary assessment of treatment with expandable metallic stents. *Radiology* 1986; 161: 295
- Charny MC; Roberts GM; Roberts CJ: out-of-hours radiology: a suitable case for audit? *Br J Radiol* 1987; 60: 583
- Charras C See Dautz MM
- Charron M See Ackerman ES
- Charron M; Rosenthal L: visualization of the spleen with radiophosphate in severe combined immunodeficiency disease. *Clin Nucl Med* 1988; 13: 339
- Charters JR See Petasnick JP
- Charters JR See Rabin DN
- Charton M See Vallancien G
- Chartrand R See Carrier L
- Chartrand R See Le Bel L
- Chartrand R See Picard M
- Charuhas F See Brummett RE
- Chase BM See O'Leary DH
- Chase DR See Jasinski RW
- Chase DR See Sauer DD
- Chase TN See Simmons JT
- Chasen MH See Holbert JM
- Chasen MH See Shirkhoda A
- Chasen MH; McCarthy MJ: pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study: reply. *Radiology* 1987; 162: 288
- Chasen MH; McCarthy MJ; Gilliland JD; Floyd JL: concepts in computed tomography of the thorax. *Radiographics* 1986; 6: 793
- Chason JL See Jack CR Jr
- Chassagne D See Wilson JF
- Chatat J-F; Fumoleau P; Saccavini J-C; et al: immunocintigraphy: recurrences of gynecologic carcinomas. *J Nucl Med* 1987; 28: 1807
- Chatani M See Teshima T
- Chatelain P See Lüthy P
- Chattellier G See Farge D
- Chatson GP See Hulinick DH
- Chatterton BE See Collins RP
- Chatterton BE See Davies RP
- Chatterton BE; Boucatt H; Wilson CG: incidence of sub-hepatic collections after cholecystectomy. *Australas Radiol* 1986; 30: 30
- Chaturvedi P See Sharma S
- Chau EMT See Chan F-L
- Chau EMT See Chan SCH
- Chau EMT; Leong LLY; Chan FL: prominent periportal echogenicity: its sonographic evaluation and its significance. *Br J Radiol* 1986; 59: 543
- Chau EMT; Leong LLY; Chan FL: recurrent pyogenic cholangitis: ultrasound evaluation compared with endoscopic retrograde cholangiopancreatography. *Clin Radiol* 1987; 38: 79
- Chau W-K; Na A-T; Feng T-T; et al: ultrasound diagnosis of perforation of the gallbladder: real-time application and the demonstration of a new sonographic sign. *JCU* 1988; 16: 358
- Chaudry F See Sargel C
- Chauhan PS See Dunn EK
- Chauhan S See Saha MM
- Chausmont F See Brunelle FO
- Chausow A See Walsh TJ
- Chaussy CD See Cochran ST
- Chaussy CG See Winfield HN
- Chavandra N See Malaise EP
- Chawla HS See Keller MS
- Chawla R See Gupta RK
- Chawluk J See Alavi A
- Chawluk JB See Fazekas F
- Chawluk JB; Alavi A; Dann R; et al: positron emission tomography in aging and dementia: effect of cerebral atrophy. *J Nucl Med* 1987; 28: 431
- Chayen B; Rifkin MD: cephalocentesis: guidance with an endovaginal probe and endovaginal needle placement. *J Ultrasound Med* 1987; 6: 221
- Cheang M See Lyons EA
- Chechick A See Salai M
- Cheekley D See Hickey DS
- Cheekley D; Loveday BE; Waterton JC; et al: detection of myocardial infarction in the minipig using NMR imaging. *Magn Res Med* 1987; 5: 201
- Cheekley DR See Zhu XP
- Cheekley DR; Sekiya T; Isherwood I; et al: *in vivo* evaluation of myocardial infarction by computed tomography: experiment with electrocardiographic gating. *Br J Radiol* 1986; 59: 461
- Cheekley DR; Zhu XP; Hickey DS; et al: method for increasing the resolution of scanned projection radiography and other digital x-ray systems. *Br J Radiol* 1986; 59: 365
- Chedid MK See Rothfus WE
- Cheeseman CI See Thomson ABR
- Chehabi HH See Bonte FJ
- Cheitlin MD See Didier D
- Cheitlin MD See Sechtum U
- Cheitlin MD See White RD
- Cheitlin MD See White RD
- Chelini F See Amico S
- Chen B See Rigby CM
- Chen CC See Juni JE
- Chen C-K See Farman J
- Chen C-N See Hoult DI
- Chen C-N; Sank VJ; Cohen SM; et al: field dependence of NMR imaging: I. laboratory assessment of signal-to-noise ratio and power deposition. *Magn Res Med* 1986; 3: 722
- Chen C-T See Levin DN
- Chen C-Y See Liu R-S
- Chen C-Y See Wang D-J
- Chen DCP See Gasser AM
- Chen DCP See Lee KH
- Chen DCP See Nishimi L
- Chen DCP; Holder LE; Kaplan GN: correlation of radionuclide imaging and diagnostic ultrasound in scrotal diseases. *J Nucl Med* 1986; 27: 1774
- Chen D-S See Shen J-C
- Chen F-H; Hendry JH: radiosensitivity of microcolony- and macrocolony-forming cells in mouse tail epidermis. *Br J Radiol* 1986; 59: 389
- Chen GTY See Austin-Seymour MM
- Chen GTY See Levin DN
- Chen HH; Panella JS; Rochester D; et al: non-Hodgkin lymphoma of ureteral wall: CT findings. *JCAT* 1988; 12: 157
- Chen H-S See Sommer G
- Chen HY; Chang FM; Huang HC; et al: antenatal fetal blood flow in the descending aorta and in the umbilical vein and their ratio in normal pregnancy. *Ultrasound Med Biol* 1988; 14: 263
- Chen H-Y; Lu C-C; Cheng Y-T; et al: antenatal measurement of fetal umbilical venous flow by pulsed Doppler and B-mode ultrasoundography. *J Ultrasound Med* 1986; 5: 319
- Chen J; Weisbrod GL; Herman SJ: computed tomography and pathologic correlations of thymic lesions. *J Thorac Imag* 1988; 3-1: 61
- Chen JC; Kucharczyk W: nontraumatic orbital subperiosteal hematomas in a scuba diver: CT and MR findings. *JCAT* 1988; 12: 504
- Chen JIS; LaFrance ND; Rippin R; et al: iodine-123 SPECT of the thyroid in multinodular goiter. *J Nucl Med* 1988; 29: 110
- Chen J; Osborne BM; Butler JJ: residual fibrous masses in treated Hodgkin's disease. (ab). *Radiology* 1988; 166: 586
- Chen JT See Sullivan DC
- Chen JTT See Godwin JD
- Chen JTT See Kirks DR
- Chen JTT See MacGregor JH
- Chen JTT See Takasugi JE
- Chen JTT: cardiac catheterization and angiography. 3d ed. *Radiology* 1987; 162: 480
- Chen JTT: coronary artery diseases. *Radiology* 1987; 162: 376

- Chen K See Swartz HM
 Chen M See Dong B
 Chen MC-M See Tsang Y-M
 Chen P See Mukai J
 Chen PC See Faustini D
 Chen TT See Mirra JG
 Chen TV; Enrich LJ; Driscoll DL: clinical significance of pathological findings in surgically resected margins of the primary tumor in head and neck carcinoma, *Int J Radiat Oncol Biol Phys* 1987; 13: 833
 Chen WJ See Wan YL
 Chen W-L See Cheng C-Y
 Chen YM See Bohrer SP
 Chen YM See Gelfand DW
 Chen YM See Ott DJ
 Chen YM See Richter JE
 Chen YM; Gelfand DW; Ott DJ; et al: natural progression of the lower esophageal mucosal ring, *Gastrointest Radiol* 1987; 12: 93
 Chen YM; Ott DJ; Gelfand DW; et al: impact of the barium enema on patient management, *Gastrointest Radiol* 1988; 13: 81
 Chen YM; Ott DJ; Wolfman NT; Gelfand DW; Karstadet N; Bechtold RE: recurrent colorectal carcinoma: evaluation with barium enema examination and CT, *Radiology* 1987; 163: 307
 Chen YM; Ott DJ; Wu WC; et al: Cowden's disease: a case report and literature review, *Gastrointest Radiol* 1987; 12: 325
 Chen Z See Avrami E
 Chen ZX; Gu DZ; Yu ZH; et al: radiation therapy of giant cell tumor of bone: analysis of 35 patients, *Int J Radiat Oncol Biol Phys* 1986; 12: 329
 Chenery SG See Wolkov HB
 Chenevert TL See Bland PH
 Chenevert TL See Borello JA
 Chenevert TL See Glazer GM
 Chenevert TL See Quint LE
 Cheng C-S See Chan F-L
 Cheng CW; Chin LM: computer-aided treatment planning technique for universal wedges, *Int J Radiat Oncol Biol Phys* 1987; 13: 1927
 Cheng CW; Chin LM; Kijewski PK: coordinate transfer of anatomical information from CT to treatment simulation, *Int J Radiat Oncol Biol Phys* 1987; 13: 1559
 Cheng C-Y See Wang D-J
 Cheng C-Y; Wang D-J; Chen W-L; et al: demonstration of persistent left superior vena cava by first pass radionuclide angiography, *Clin Nucl Med* 1987; 12: 843
 Cheng HM See terPenning BJ
 Cheng KT; Seltzer SE; Adams DF; et al: production and evaluation of contrast-carrying liposomes made with an automatic high-pressure system, *Invest Radiol* 1987; 22: 47
 Cheng Y-T See Chen H-Y
 Chennells PM See Fowler RC
 Cheong FW See Ngai SS
 Cheong FW See Wilde CC
 Cherrin MM See Danielson K
 Cherrin MM See Fajardo LL
 Cherrin MM; Amberg JR; Kogan FJ; et al: efficacy of radiologic studies in the detection of Barrett's esophagus, *AJR* 1986; 147: 257
 Chernish SM See Maglente DDT
 Chernish SM See Vahney TN
 Cherryman G See Sharp FF
 Cherryman GR See Smith FW
 Cherryman GR See Williams MP
 Chervenak FA See Jeanty P
 Chervenak FA See Rosenberg JC
 Chervenak FA; Brightman RC; Thornton J; et al: crown-rump length and serum human chorionic gonadotropin as predictors of gestational age, (ab), *Radiology* 1986; 160: 862
 Chervenak FA; Goldberg JD; Chiu T-H; et al: importance of karyotype determination in a fetus with ventriculomegaly and spina bifida discovered during the third trimester, *J Ultrasound Med* 1986; 5: 405
 Chervenak FA; Isaacson G; Rosenberg JC; et al: antenatal diagnosis of frontal cephalocele in a fetus with atelosteogenesis, *J Ultrasound Med* 1986; 5: 111
 Chervenak FA; Isaacson G; Tortora M: sonographic study of fetal cystic hygromas, (ab), *Radiology* 1986; 159: 576
 Chervu LR See Finkel J
 Chesler DA See Kaul S
 Chesna E See Martin KW
 Chesneau AM See Laisay JP
 Chessells JM See Mitchell CD
 Chetty N See Bester L
 Cheung AYC; Chang KS: effects of a sonographic technique for determining chest wall thickness in treatment planning for breast carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 15: 223
 Cheung EH; Craver JM; Jones EL; et al: mediastinitis after cardiac valve operations: impact upon survival, (ab), *Radiology* 1986; 160: 287
 Cheung N-KV See Miraldi FD
 Cheung N-KV; Neely JE; Landmeier B; et al: targeting of ganglioside GD₂ monoclonal antibody to neuroblastoma, *J Nucl Med* 1987; 28: 1577
 Cheung OT See Contreras MA
 Cheung SW See Crane JP
 Cheung Y See Rosenberg ZS
 Cheung YJ; Steinbaum S; Yuh WT; et al: MR findings in extracranial cysticercosis, *JCAT* 1987; 11: 179
 Chevalier L See Chagnon SF
 Chevalier RL See Brenbridge AN
 Chevallier C See Streeter OE Jr
 Chevrot A See Van Lom KJ
 Chew DE See Vanderwilde R
 Chew FS See Kim S
 Chew FS See Panicek DM
 Chew FS: coauthorship in radiology journals, *AJR* 1988; 150: 23
 Chew FS: scientific literature in diagnostic radiology for American readers: survey and analysis of journals, papers, and authors, *AJR* 1986; 147: 1055
 Chew FS; Hefner ML: computer-aided design and realization of scientific exhibits in radiology, *AJR* 1987; 149: 195
 Chew FS; Relyea-Chew A: how research becomes knowledge in radiology: an analysis of citations to published papers, *AJR* 1988; 150: 31
 Chew W See Mills P
 Chew WM; Moseley ME; Mills PA; et al: spin-echo fluorine magnetic resonance imaging at 2 T: in vivo spatial distribution of halothane in the rabbit head, *Magn Res Imag* 1987; 5: 51
 Chezman JL See Nelson RC
 Chezman JL See Steinberg HV
 Chezman JL; Bernardino ME: mesoatrial shunt for the treatment of Budd-Chiari syndrome: radiologic evaluation in eight patients, *AJR* 1987; 149: 707
 Chezman JL; Robbins SM; Nelson RC; Steinberg HV; Torres WE; Bernardino ME: adrenal masses: characterization with T1-weighted MR imaging, *Radiology* 1988; 166: 357
 Chezman JL; Rumanicik WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME: liver and abdominal screening in patients with cancer: CT versus MR imaging, *Radiology* 1988; 168: 43
 Chi JG See Chang KH
 Chia KB See Khoo FY
 Chiang C-W; Pang S-C; Lin F-C; et al: diagnostic accuracy of two-dimensional echocardiography for detection of left atrial thrombus in patients with mitral stenosis, *J Ultrasound Med* 1987; 6: 525
 Chiang EH See Meyer CR
 Chiara O See Giomarelli PP
 Chiaradonna NL See Norrtray JF
 Chick BE: practice enhancement: physician's guide to success in private practice, *Radiology* 1986; 159: 200
 Chiemchaisri C See Juttijudata P
 Chiesa JC See Saint Martin GA
 Chik L See Zador IE
 Chik LL See Wolfson RN
 Chilcote W See Goldberg RM
 Chilcote WA; Davis GA; Suchy P; Paushter DM: breast specimen radiography: evaluation of a compression device, *Radiology* 1988; 168: 425
 Child JS See Gomes AS
 Child JS See Krivokapich J
 Child SA See Urry RL
 Childress MH See Brown DD
 Childress MH See Findley A
 Childress MH: sonographic features of milk of calcium cholelithiasis, *JCU* 1986; 14: 312
 Childs WJ; Benjamin CS; Pattison NS: sporadic non-African Burkitt's lymphoma: a case report, *Australas Radiol* 1988; 32: 269
 Chiles C See Coblenz CL
 Chiles C See MacGregor JH
 Chiles C See Sherrier RH
 Chiles C See Sussman SK
 Chiles C See Vail CM
 Chiles C; Baker ME; Silverman PM: superior pericardial recess simulating aortic dissection on computed tomography, *JCAT* 1986; 10: 421
 Chiles C; Hedlund LW; Kubek RJ; et al: distribution of 15- and 137- μ diameter microspheres in the dog lung in the axial plane, *Invest Radiol* 1986; 21: 618
 Chilton HM See Cowan RJ
 Chin A See Landuyt W
 Chin JG See Guitt GL
 Chin JK See Kushner DC
 Chin LM See Cheng CW
 Chin LM See Rice RK
 Chin LM; Harter KW; Svensson GK; et al: external beam treatment technique for retinoblastoma, *Int J Radiat Oncol Biol Phys* 1988; 15: 455
 Chin N See Ohnishi K
 Chinn DH See Worthy L
 Chinn DH; Miller EI; Piper N: hemorrhagic cholecystitis: sonographic appearance and clinical presentation, *J Ultrasound Med* 1987; 6: 313
 Chinol M See Hnatowich DJ
 Chinol M; Hnatowich DJ: generator-produced yttrium-90 for radioimmunotherapy, *J Nucl Med* 1987; 28: 1465
 Chin-Sang HB See Pui MH
 Chintapalli K See Yetkin Z
 Chintapalli K; Dodds WJ; Olson DL: computed tomography characteristics of intermesenteric hematomas, *CT* 1988; 12: 122
 Chintapalli K; Sheth NK; Goodman LR: unusual "cavity-in-cavity" appearance of pulmonary aspergilloma, *CT* 1988; 12: 64
 Chintapalli K; Thorsen MK; Olson DL; et al: computed tomography of pulmonary thromboembolism and infarction, *JCAT* 1988; 12: 553
 Chintapalli K; Wentworth W; Wilson CR: simple radiation protection device for CT, *AJR* 1988; 150: 199
 Chinwuba C; Wallman J; Strand R: nasal airway obstruction: CT assessment, *Radiology* 1986; 159: 503
 Chinwuba CE See Iko RO
 Chiodetti N See Floersheim GL
 Chipperfield PM See Munk FL
 Chirakal R See Farnau G
 Chirakal R; Farnau G; Garnett ES: high yield synthesis of 6-[¹⁸F]fluoro-L-dopa, *J Nucl Med* 1986; 27: 417
 Chiras J See Clavier E
 Chiras J See Fauchon F
 Chiras J See Gaston A
 Chiras J; Dormont D; Fauchon F; et al: intra-arterial chemotherapy of malignant gliomas, *J Neurosurg* 1988; 15: 31
 Chiron C See Kalifa GL
 Chisholm RA; Coltart RS; Cooper P; et al: circumferential para-aortic masses: computed tomographic observations, *Clin Radiol* 1986; 37: 531
 Chisn R; Fabian R; Weber AL; et al: MR imaging of a lymphangioma involving the masseter muscle, *JCAT* 1988; 12: 690
 Chism SE; Brown BS; Hoyle BA: breast cancer treatment: evolving approaches but stable results, *Int J Radiat Oncol Biol Phys* 1986; 12: 2073
 Chitkara U See Berkowitz GS
 Chiu BKY See Ammann W
 Chiu EKW See Yu YL
 Chiu L See Luffkin RB
 Chiu L See Phillips J
 Chiu LC See Pattany PM
 Chiu MC See Lasjaunias P
 Chiu RC-J See Unruh H
 Chiu S-m; Friedman LR; Xue L-y; et al: modification of DNA damage in transcriptionally active vs. bulk chromatin, *Int J Radiat Oncol Biol Phys* 1986; 12: 1529
 Chiu T-H See Chervenak FA
 Chivers RC See Lewin PA
 Chiyasu S See Asaga T
 Cho C See Castellino RA
 Cho E-S See Morgello S
 Cho E-S See Rogers LR
 Cho KC See Alterman DD
 Cho KC See Kravetz GW
 Cho KC See Lynch MA
 Cho KC; Gold BM; Prantz DA: multiple transverse folds in the gastric antrum, *Radiology* 1987; 164: 339
 Cho KJ See Andrews JC
 Cho KJ See Griffin DJ
 Cho KJ See Konchanin RP
 Cho MH See Park HW
 Cho PS See Mankovich NJ
 Cho PS; Huang HK; Tillisch J; et al: clinical evaluation of a radiologic picture archiving and communication system for a coronary care unit, *AJR* 1988; 151: 823
 Cho S-R See Baker KS
 Cho S-R See Freeman MP
 Cho S-R See Henry DA
 Cho S-R See Ingram TL
 Cho S-R See Lebolt SA
 Cho S-R See Reid SH
 Cho SR See Tisnado J
 Cho S-R See Turner MA
 Cho S-R; Messner J; Bundrick T; et al: inadvertent inflation of the balloon: a rare but serious complication of Miller-Abbott intubation, *Br J Radiol* 1987; 60: 547
 Cho S-R; Tisnado J; Cockrell CH; Beachley MC; Frutkin MJ; Henry DA: angiographic evaluation of patients with unilateral massive perfusion defects in the lung scan, *Radiographics* 1987; 7: 729
 Cho SY See Chang KH
 Cho ZH See Kim YS
 Cho ZH See Lee SW
 Cho ZH See Park HW
 Cho ZH See Ra JB
 Cho ZH; Oh CH; Mun CW; et al: some results of high-flow-velocity NMR imaging using selection gradient, *Magn Res Med* 1986; 3: 857

- Chobanian SJ See Van Ness MM
- Chodak GW; Wald V; Farmer E; et al: comparison of digital examination and transrectal ultrasonography for the diagnosis of prostatic cancer, (ab). *Radiology* 1986; 161: 574
- Choe YH; Im J-G; Park JH; et al: anatomy of the pericardial space: a study in cadavers and patients. *AJR* 1987; 149: 693
- Choi BI See Im J-G
- Choi BI See Lim TH
- Choi BI See Park JH
- Choi BI; Choo IW; Han MC; et al: sonographic appearance of Krukenberg tumor from gastric carcinoma. *Gastrointest Radiol* 1988; 13: 15
- Choi BI; Kim KW; Han MC; Kim YI; Kim C-W: solid and papillary epithelial neoplasms of the pancreas: CT findings. *Radiology* 1988; 166: 413
- Choi BI; Kim SH; Yu ES; et al: retained surgical sponge: diagnosis with CT and sonography. *AJR* 1988; 150: 1047
- Choi BI; Ok ID; Im J-G; et al: exogastric cystic gastric leiomyoblastoma with unusual CT appearance. *Gastrointest Radiol* 1988; 13: 109
- Choi BI; Park JH; Kim YI; Yu ES; Kim SH; Kim WH; Kim CY; Han MC: peripheral cholangiocarcinoma and cholangiolithiasis: CT findings. *Radiology* 1988; 169: 149
- Choi H See Rifkin MD
- Choi H-O; Hwang KJ: mechanism of ionophoric transport of indium-111 cations through a lipid bilayer membrane. *J Nucl Med* 1987; 28: 91
- Choi HY See Hertzberg BS
- Choi HY See Shlansky-Goldberg RD
- Choi IS See Berenstein A
- Choi IS See Jungreis CA
- Choi IS; Berenstein A: surgical neuroangiography of the spine and spinal cord. *Radiol Clin North Am* 1988; 26: 131
- Choi K See Rotman M
- Choi KH See Mafee MF
- Choi KH See Wilbur AC
- Choi KS See Chang KH
- Choi NC See Mirmanoff RO
- Choi NC; Probert K; Carey R; et al: accelerated radiotherapy followed by chemotherapy for locally recurrent small-cell carcinoma of the lung: phase II study of cancer and leukemia group B. *Int J Radiat Oncol Biol Phys* 1987; 13: 263
- Choi RE See duCret RP
- Choi S See Morimoto K
- Choi SK; Starshak RJ; Meyer GA; et al: arachnoid cyst of the quadrigeminal plate cistern: report of two cases. *AJNR* 1986; 7: 725
- Choi K; Shinohara M; Nojima T; et al: significant reduction of the echogenicity of the compressed cavernous hemangioma. *Acta Radiol* 1988; 29: 317
- Chokshi V See Goldfarb CR
- Cholankeri JV; Freundlich R; Ketyer S; et al: computed tomography in urothelial tumors of renal pelvis and related filling defects. *CT* 1986; 10: 263
- Chole RA: petrous apicitis: surgical anatomy. (ab). *Radiology* 1986; 159: 287
- Chonacki NJ; Thomas FD: evaluation of plasma clearance by synthesis of continuous infusion: principles and use. *J Nucl Med* 1986; 27: 1611
- Chong CS See Bradley DA
- Chong WK; Tanner A; Wilkins R: case report: pneumoperitoneum, omental emphysema and intramural barium perforation following double contrast barium enema. *Clin Radiol* 1987; 38: 319
- Choo IW See Choi BI
- Choo IW See Park JH
- Chooljian D See Callen PW
- Choplin RH See Bohrer SP
- Choplin RH See Dyer RB
- Choplin RH See Poole GV Jr
- Choplin RH; Kawamoto EH; Dyer RB; et al: atypical carcinoma of the lung: radiographic features. *AJR* 1986; 146: 665
- Choraria S See Taylor DN
- Chossière D See Pharoaroz C
- Choto S See Matsui O
- Chou C-K See Scott RS
- Chou CK See Wong JYC
- Chou C-S See Liu R-S
- Chou JL; Easley JD; Feldmeier JJ; et al: effective radiotherapy in palliating mammalgia associated with gynecomastia after DES therapy. *Int J Radiat Oncol Biol Phys* 1988; 15: 749
- Chou Y-H; Tiu C-M; Pan H-B; et al: high-resolution real-time ultrasound in Peyronie's disease. *J Ultrasound Med* 1987; 6: 67
- Chow CK; Ziessman HA; Earll JM: visualization of adrenocortical carcinoma lung metastases with iodine-131 labeled 68-iodomethylcholesterol (NP-59). *Clin Nucl Med* 1987; 12: 468
- Chow K-S See Wu C-C
- Chow PP; Horgan JG; Burns PN; et al: choroid plexus papilloma: detection by real-time and Doppler sonography. *AJNR* 1986; 7: 168
- Choy D See Teo P
- Choy DH-L See Hsüchi R
- Choy DSJ; Ascher P; Lammner J; et al: percutaneous laser catheter recanalization of carotid arteries in seven cadavers and one patient. *AJNR* 1986; 7: 1050
- Choyke FL See Archer AG
- Choyke FL See Brody JM
- Choyke FL See Clark A
- Choyke FL See Glass-Royal MC
- Choyke FL See Grant EG
- Choyke FL See Jaffe MH
- Choyke FL See O'Brien WM
- Choyke FL See White EM
- Choyke FL See Zeman RK
- Choyke FL: MR imaging in renal cell carcinoma. *Radiology* 1988; 169: 572
- Choyke FL; Blei CL; Jaffe MH; et al: prevesical hematoma: complication of prostatic biopsy. *Urol Radiol* 1986; 8: 32
- Choyke FL; Grant EG; Hoffer FA; et al: cortical echogenicity in the hemolytic uremic syndrome: clinical correlation. *J Ultrasound Med* 1988; 7: 439
- Choyke FL; Pollack HM: role of MRI in diseases of the kidney. *Radiol Clin North Am* 1988; 26: 617
- Choyke FL; White EM; Zeman RK; Jaffe MH; Clark LR: renal metastases: clinicopathologic and radiologic correlation. *Radiology* 1987; 162: 359
- Choyke FL; Zeman RK; Goetters JE; et al: thymic atrophy and regrowth in response to chemotherapy: CT evaluation. *AJR* 1987; 149: 269
- Chretien J See Laredo J-D
- Christi AP; Small P; Rutter N; et al: echo planar imaging of normal and abnormal connections of the heart and great arteries. *Pediatr Radiol* 1986; 16: 289
- Christi AP; Small P; Rutter N; et al: transectional echo planar imaging of the heart in cyanotic congenital heart disease. *Pediatr Radiol* 1986; 16: 293
- Christen B See Aronchick JM
- Christensen CW; Reeves WC; Holt GW: intracranial echo-contrast agents: abnormalities in myocardial function in a normal and reduced coronary perfusion model in dogs. *Ultrasound Med Biol* 1988; 14: 199
- Christensen H See Nielsen S
- Christensen JJ See Bentzen SM
- Christensen LR; Shapiro J; et al: radiology of colonic introposition and its associated complications. *Gastrointest Radiol* 1986; 11: 233
- Christensen M; Jacobsen JP: ³¹P NMR relaxation time studies of 2,3-diphosphoglycerate in solution and intact erythrocytes. *Magn Res Med* 1988; 7: 197
- Christensen MR See Richter JM
- Christensen R See vanSonnenberg E
- Christensen R; Pollei SR; Nemcek AA Jr: intracranial calcification in a child. *Invest Radiol* 1987; 22: 694
- Christensen RA; Pinckney LE; Higgins S; et al: sonographic diagnosis of lipoma of the corpus callosum. *J Ultrasound Med* 1987; 6: 449
- Christensen RA; vanSonnenberg E; Casola G; et al: interventional ultrasound in the musculoskeletal system. *Radiol Clin North Am* 1988; 26: 145
- Christensen SE See Nielsen FF
- Christensen T; Neubauer B: arterial wall stiffness in insulin-dependent diabetes mellitus: an in vivo study. *Acta Radiol* 1987; 28: 207
- Christensen T; Neubauer B: increased arterial wall stiffness and thickness in medium-sized arteries in patients with insulin-dependent diabetes mellitus. *Acta Radiol* 1988; 29: 299
- Christian PE See Datz FL
- Christian PE See Taylor A Jr
- Christian PE; Datz FL; Moore JG: gastric emptying studies in the morbidly obese before and after gastropylasty. *J Nucl Med* 1986; 27: 1686
- Christiansen EL See Hinshaw DB Jr
- Christiansen EL; Moore RJ; Thompson JR; et al: radiation dose in radiography, CT, and arthrography of the temporomandibular joint. *AJR* 1987; 148: 107
- Christiansen EL; Thompson JR; Hasso AN; et al: CT number characteristics of malpositioned TMJ menisci: diagnosis with CT number highlighting (blinkmode). *Invest Radiol* 1987; 22: 315
- Christiansen EL; Thompson JR; Hasso AN; Hinshaw DB Jr: correlative thin section temporomandibular joint anatomy and computed tomography. *Radiographics* 1986; 6: 703
- Christiansen J See Skomrowaka E
- Christiansen R See Nemcek AA Jr
- Christiansen T; Funch-Jensen P; Jacobsen NO; et al: radiologic quantitation of gastro-oesophageal reflux: correlation between height of food stimulated gastro-oesophageal reflux and level of histologic changes in reflux oesophagitis. *Acta Radiol* 1987; 28: 731
- Christiansen T; Thommesen P: food-stimulated gastro-oesophageal reflux demonstrated by barium examination. *Acta Radiol* 1986; 27: 45
- Christie JH See Williams AG Jr
- Christie MJ See Johnson JA
- Christoforidis AJ See Beltran J
- Christophe C See Hanquinet S
- Christopher CR See Cushman KA
- Christopherson D See Jones D
- Christou NV See Olak J
- Christy WC See Cush JJ
- Chrousos GP See Doppman JL
- Chrousos GP See Saris SC
- Chrzanoski R See Lipp-Zwahlen AE
- Chu J See Coia L
- Chu JCH See Solin LJ
- Chu JCH; Larsen RR: construction of three-dimensional compensators using a simplified moiré camera. *J Canad Assoc Radiol* 1988; 39: 42
- Chu SC See Yilmaz A
- Chu W-K See Hahn FJ
- Chua GT See Maglinte DDT
- Chuang C See Rubin P
- Chuang CH See Fitz CR
- Chuang C-N See Shu J-C
- Chuang JY See Yang S-J
- Chuang S; Harwood-Nash D: tumors and cysts. *Neuroradiol* 1986; 28: 463
- Chuang SH See Babyn PS
- Chuang SH See Barkovich AJ
- Chuang VP See Alpaugh JP
- Chuang VP See Gaylord GM
- Chuang VP See Martin LG
- Chuang VP See Ruff RJ
- Chuang VP See Sanchez FW
- Chuang VP; Alpaugh JP: efficacy of embolic occlusion of needle tracks after biopsy: reply. *Radiology* 1988; 168: 582
- Chuang VP; Alpaugh JP: sheath needle for liver biopsy in high-risk patients. *Radiology* 1988; 166: 261
- Chuchowski M See Wendt TG
- Chui MC See Li KC
- Chui MC; Bird BL; Rogers J: extracranial and extraspinal nerve sheath tumors: computed tomographic evaluation. *Neuroradiol* 1988; 30: 47
- Chui MS See Hine AL
- Chui-Mei T See Miller M
- Chan CH; Johnson JD; Hofstetter M; et al: brain abscess: a study of 45 consecutive cases. (ab). *Radiology* 1987; 164: 582
- Chan M; Manko GB; Hetelekidis S: radiotherapy in the treatment of pituitary adenomas. *Int J Radiat Oncol Biol Phys* 1988; 15: 305
- Chan P See Steiner RM
- Chang CT See Panicek DM
- Chang D See Teo P
- Chang EB; Enzinger FM: extraaxial osteosarcoma. (ab). *Radiology* 1988; 167: 590
- Chang JW; Chang KH; Han MH; et al: computed tomography of cavernous sinus diseases. *Neuroradiol* 1988; 30: 319
- Chang KJ See Hesselink JR
- Chang SK See Bahk YW
- Chang SR See Kim DS
- Chang SY; Kim I; Ryo UY; Maskin C; Pinsky S: blood-flow measurement in muscle with Xe-133. *Radiology* 1987; 165: 571
- Chang T See Fox ER
- Chang W-M: antenatal detection of hepatic cyst. *JCU* 1986; 14: 217
- Churchill CA See Rosenman J
- Churchill D See Lees S
- Churchill RJ See Demos TC
- Churchwell A See Eisner R
- Churg A; Tron V; Wright JL: effects of cigarette smoke exposure on retention of asbestos fibers in various morphologic compartments of the guinea pig lung. (ab). *Radiology* 1988; 167: 884
- Chusid MJ; Sty JR; Wells RG: pulmonary aspergillosis appearing as chronic nodular disease in chronic granulomatous disease. *Pediatr Radiol* 1988; 18: 232
- Chutani K See Basu SK
- Chyatte D See Tash RK
- Chyou SC See Shen EY
- Cianci P; Fusin JP; Shimshak RR; et al: air embolism complicating percutaneous thin needle biopsy of lung. (ab). *Radiology* 1988; 167: 290
- Cianciulli E See Ambrosio D
- Ciaravino V See Rees CR
- Ciarallo M See Gugenheim J
- Ciatto S: nonpalpable lesions detected with mammography: reply. *Radiology* 1988; 167: 281

- Ciatto S; Cataliotti L; Distant V: nonpalpable lesions detected with mammography: review of 512 consecutive cases. *Radiology* 1987; 163: 99
- Cibis GW; Whitaker CK; Wood WE: intraocular extension of optic nerve meningioma in a case of neurofibromatosis, (ab). *Radiology* 1986; 158: 285
- Ciesielski TE See Dey HM
- Cilliers C See Stones DK
- Cimino C See Savoiardo M
- Cinquin AM See Crouzet G
- Cioffi-Ragan DT See Klingensmith WC III
- Cioloa C See Dorland JP
- Cionini I See Santoni R
- Cipriano PR See Zimmerman JJ
- Cipriano PR: balloon embolotherapy catheter used percutaneously: reply. *Radiology* 1986; 160: 279
- Ciric IS See Mikhael MA
- Cirimelli KM; Colletti PM; Beck S: metastatic choriocarcinoma simulating an arteriovenous malformation on chest radiography and dynamic CT. *JCAT* 1988; 12: 317
- Cirincione C See Recht L
- Citrin C See Wippold FJ
- Citrin CM See Barkovich AJ
- Citrin CM See Kumar AJ
- Citrin CM See Sherman JL
- Citrin CM: high resolution orbital computed tomography. *JCAT* 1986; 10: 810
- Citrin CM; Sherman JL; Gangarosa RE; et al: physiology of the CSF flow-vol sign: modification by cardiac gating. *AJNR* 1986; 7: 1021
- Citron KM See Roberts CM
- Cluffreda L See Giaccone G
- Civelek AC See Clausen M
- Civitello L See De Haan J
- Clader TJ See Dawson EG
- Claes H See Van Poppel H
- Claessens R See Corstens F
- Classon I; Jacobsson B; Riha M: computerized system for handling renal size measurements from urograms. *Pediatr Radiol* 1987; 17: 459
- Clafin KS; Alverson DC; Pathak D; et al: cardiac output determinations in the newborn: reproducibility of the pulsed Doppler velocity measurement. *J Ultrasound Med* 1988; 7: 311
- Clairborne AK; Blocker SH; Martin CM; et al: prenatal and postnatal sonographic delineation of gastrointestinal abnormalities in a case of the VATER syndrome. *J Ultrasound Med* 1986; 5: 45
- Clair MR See Buffo GC
- Clair MR See Gatenby RA
- Clancy M See Hillmann JS
- Clark A; Zeman RK; Choyke PL; et al: pancreatic pseudotumors associated with multifocal idiopathic fibrosclerosis. *Gastrointest Radiol* 1988; 13: 30
- Clark BJ See Osbakken M
- Clark CR See El-Khoury GH
- Clark CR See Menezes AY
- Clark CR; White AA: fractures of the dens: multicenter study, (ab). *Radiology* 1986; 159: 821
- Clark D See Xipell JM
- Clark DB See Shih WJ
- Clark DL See Rees MR
- Clark EP: thiol-induced biochemical modification of chemo- and radioresponses. *Int J Radiat Oncol Biol Phys* 1986; 12: 1121
- Clark JA See Peters TM
- Clark JA II; Kelly WM: common artifacts encountered in magnetic resonance imaging. *Radiol Clin North Am* 1988; 26: 893
- Clark JDA; Freer CEL; Wheatley T: case report: pituitary apoplexy: unusual cause of stroke. *Clin Radiol* 1987; 38: 75
- Clark JI See Beaulieu CF
- Clark JI See Menard TW
- Clark JM; Hayner DR: anatomy of the abductor muscles of the hip as studied by computed tomography, (ab). *Radiology* 1988; 167: 589
- Clark JW See Huckman MS
- Clark KG See Panicek DM
- Clark LC Jr See Thomas SR
- Clark LR See Brody JM
- Clark LR See Choyke PL
- Clark LR See Jaffe MH
- Clark LR See Zeman RK
- Clark MD See Rosenthal D
- Clark OH See Auffermann W
- Clark OH See Gooding GAW
- Clark OH See Peck WW
- Clark OH See Randel SB
- Clark RA See Merhar GL
- Clark RA See Quinn SF
- Clark RA: computed tomography of bowel infarction. *JCAT* 1987; 11: 757
- Clark RA; Gallant TE: bile duct strictures associated with hepatic arterial infusion chemotherapy. *Gastrointest Radiol* 1987; 12: 148
- Clark RL See Cuttino JT Jr
- Clark RL See Matsumoto AH
- Clark RL See Viglione CA
- Clark RM See Ege GN
- Clark RM See Liu F-F
- Clark RN See Beltran J
- Clark SA See Jackson VP
- Clark SA See Park H-M
- Clark WC; Acker JD; Dohan FC Jr; et al: presentation of central nervous system sarcoidosis as intracranial tumors, (ab). *Radiology* 1986; 161: 863
- Clarke C See Hopkins A
- Clarke DP; Cosgrove DO: real-time ultrasound scanning in the planning and guidance of pericardiocentesis. *Clin Radiol* 1987; 38: 119
- Clarke EA See Magill HL
- Clarke G See Rehr RB
- Clarke GD See Kraft KA
- Clarke HS Jr See Nally JV Jr
- Clarke LP; Schnitzlein HN; Murtagh FR; et al: high resolution MRI: imaging anatomy of the lumbosacral spine. *Magn Res Imag* 1986; 4: 515
- Clarke PD: computed tomography of gangrenous appendicitis. *JCAT* 1987; 11: 1081
- Clarke PG See Gulino LA
- Clarke RH: reactor accidents in perspective. *Br J Radiol* 1987; 60: 1182
- Clarke SEM; Lazarus CR; Edwards S; et al: scintigraphy and treatment of medullary carcinoma of the thyroid with iodine-131 metaiodobenzylguanidine. *J Nucl Med* 1987; 28: 1820
- Clarke SEM; Lazarus CR; Mistry R; et al: role of technetium-99m penta-valent DMSA in the management of patients with medullary carcinoma of the thyroid. *Br J Radiol* 1987; 60: 1089
- Clarke SEM; Lazarus CR; Wright P; et al: penta-valent ^{99m}Tc DMSA, ^{111}In MIBG, and ^{99m}Tc MDP—an evaluation of three imaging techniques in patients with medullary carcinoma of the thyroid. *J Nucl Med* 1988; 29: 33
- Clarkson DM; Brennen SE: use of a microcomputer for the estimation of x-ray dose received by the fetus. *Br J Radiol* 1987; 60: 1119
- Clasen RA See Geremia GK
- Claude D See Bracad S
- Claudon M; Bracad S; Plenet F; Regent D; Bernadac P; Picard L: spinal involvement in alveolar echinococcosis: assessment of two cases. *Radiology* 1987; 162: 571
- Claudon M; Verain AL; Bigard MA; Boissel P; Poisson P; Floquet J; Regent D: cyst formation in gastric heterotopic pancreas: report of two cases. *Radiology* 1988; 169: 659
- Clausen M See Bice AN
- Clausen M See Knüttel A
- Clausen M; Civelek AC; Bice AN; Petronis J; Koller D; Loncaric S; Weiss JL; Wagner HN Jr: short-axis circumferential profiles of the heart in healthy subjects: comparison of TI-201 SPECT and two-dimensional echocardiography. *Radiology* 1988; 168: 723
- Clavel A See Weinstein GS
- Clavier E See Thiebot J
- Clavier E; Guimaraes L; Chiras J; et al: isolated dorsoscapular artery supplying anterior spinal artery. *Neuroradiol* 1987; 29: 213
- Clavier E; Thiebot J; Delange T; et al: Marchiafava-Bignami disease: case studied by CT and MR imaging. *Neuroradiol* 1986; 28: 376
- Clavier E; Thiebot J; Godlewski J; et al: intracranial aneurysmal bone cyst: a rare CT appearance. *Neuroradiol* 1988; 30: 269
- Clayman RV See Picus D
- Clayman RV See Preminger GM
- Clayman RV See Winfield HN
- Claypool HR See Fajardo LL
- Clayton JR See Haack EM
- Clayton PD See Haug PJ
- Clearfield HR See Teplick SK
- Clelland J See Vallis MP
- Cleghorn GJ See Stringer DA
- Clement DB See Ammann W
- Clement PB; Young RH; Scully RE: necrotic pseudoxanthomatous nodules of ovary and peritoneum in endometriosis, (ab). *Radiology* 1988; 169: 290
- Clements BS; Warner JO: pulmonary sequestration and related congenital bronchopulmonary-vascular malformations: nomenclature and classification based on anatomical and embryological considerations, (ab). *Radiology* 1988; 166: 909
- Clements BS; Warner JO; Shinebourne EA: congenital bronchopulmonary vascular malformations: clinical application of a simple anatomical approach in 25 cases, (ab). *Radiology* 1988; 166: 585
- Clements JL See Robbins SM
- Clements JP See Brown KA
- Clements LA See Zeman RK
- Clements R See Griffiths GJ
- Clements R; Bowyer FM: hydatid disease of the pelvis. *Clin Radiol* 1986; 37: 375
- Clements R; Evans C; Salaman JR: percutaneous transluminal angioplasty of renal transplant artery stenosis. *Clin Radiol* 1987; 38: 235
- Clements R; Fitzgerald E; Thorpe A: diagnosis of spontaneous aorto-caval fistula by computed tomography. *Br J Radiol* 1986; 59: 403
- Clements R; Gravelle IH: laryngeal papillomatosis. *Clin Radiol* 1986; 37: 547
- Clements R; Griffiths GJ; Peeling WB; et al: how accurate is the index finger? a comparison of digital and ultrasound examination of the prostatic nodule. *Clin Radiol* 1988; 39: 87
- Clermont A See Pinet F
- Cleveland RH See Herman TE
- Cleveland RH See Kushner DC
- Cleveland RH; Foglia RP: CT in the evaluation of pleural versus pulmonary disease in children. *Pediatr Radiol* 1988; 18: 14
- Cleveland RH; Kushner DC; Herman TE; et al: acquired ureteropelvic junction obstruction in childhood. *Pediatr Radiol* 1986; 16: 76
- Cleveland RH; Kushner DC; Ogden MC; et al: determination of leg length discrepancy: a comparison of weight-bearing and supine imaging. *Invest Radiol* 1988; 23: 301
- Clewell W See Pretorius DH
- Clifford PC See Capper WL
- Clifton AG; Ginsberg L; Webb WJS; et al: idiopathic spinal arachnoid cyst and syringomyelia. *Br J Radiol* 1987; 60: 1023
- Cline MJ: role of proto-oncogenes in human cancer: implications for diagnosis and treatment. *Int J Radiat Oncol Biol Phys* 1987; 13: 1297
- Clinger NJ; Hunter TB; Hillman BJ: radiology reporting: attitudes of referring physicians. *Radiology* 1988; 169: 825
- Clinical NMR Group: The magnetic resonance imaging of parenchymal liver disease: a comparison with ultrasound, radionuclide scintigraphy and x-ray computed tomography. *Clin Radiol* 1987; 38: 495
- Clongsuek P See Atchartakarn V
- Cloostermans MJTM; Mol H; Verhoef WA; et al: in vitro estimation of acoustic parameters of the liver and correlations with histology. *Ultrasound Med Biol* 1986; 12: 39
- Clopton P See Sartoris DJ
- Clore FC See Saterfield JL
- Clorius JH See Konig R
- Clorius JH See Schuhmacher JH
- Close HJ See Collins TM
- Close LG See Schaefer SD
- Close ME See Gardiner GA Jr
- Close ME See Lanir A
- Close ME See Lee RGL
- Close ME See Lee SM
- Close ME; Stokes KR; Lee RGL; Falchuk KR: bile duct stones: percutaneous transhepatic removal. *Radiology* 1986; 160: 525
- Cloutier S See Stringer DA
- Clutter M See Halpern SE
- Clutter ML See Ryan KP
- Co CS; Shea WJ Jr; Goldberg HI: evaluation of common bile duct diameter using high resolution computed tomography. *JCAT* 1986; 10: 424
- Coad NAG; Shah KJ: Menetrier's disease in childhood associated with cytomegalovirus infection: case report and review of the literature. *Br J Radiol* 1986; 59: 615
- Coady DJ; Snyder JR; Subramanyam B: appendiceal abscess in pregnancy: diagnosis by ultrasound. *JCU* 1986; 14: 70
- Coakham HB See Wood CH
- Coalter GC; Metcalfe PE: Barytes Board: cost effective radiation barrier material for use in diagnostic x-ray suites. *Australas Radiol* 1987; 31: 90
- Coates G See Loewy J
- Coates G; O'Brodoich H: extrapulmonary radioactivity in lung permeability measurements. *J Nucl Med* 1987; 28: 903
- Coates G; O'Brodoich H: measurement of pulmonary epithelial permeability with ^{99m}Tc -DTPA aerosol. *Semin Nucl Med* 1986; 16: 275
- Coates G; O'Brodoich H; Dolovich M: lung clearance of ^{99m}Tc -DTPA in patients with acute lung injury and pulmonary edema. *J Thorac Imag* 1988; 3-3: 21
- Coates T See Cohen MD
- Cobb C See Onik G
- Cobb LM; Butler SA: influence of prior total body irradiation on the tissue distribution of mouse lymphoma/leukemia. *Int J Radiat Oncol Biol Phys* 1986; 12: 83
- Cobb RJ; Mendelson DS: CT findings in mediastinal extravasation of hyperalimentation fluid. *JCAT* 1987; 11: 158

- Cobb SR; Mehlinger CM: Wallerian degeneration in a patient with Schilder disease: MR imaging demonstration. *Radiology* 1987; 162: 521
- Cobb SR; Mehlinger CM; Itabashi HH; et al: CT of subinsular infarction and ischemia. *AJNR* 1987; 8: 221
- Cobbold RSC See Bascom PAJ
- Cobbold RSC See Mo LYL
- Cobbold RSC See Poets JK
- Cobby MJD; Leslie LJ; Watt I: cervical myelography of nerve root avulsion injuries using water-soluble contrast media. *Br J Radiol* 1988; 61: 673
- Coblentz C See Bergin C
- Coblentz C See Bernier P
- Coblentz C See Fitzgerald EJ
- Coblentz C; Martin LJ; Tuttle R: calcified ascending aorta after radiation therapy. *AJR* 1986; 147: 477
- Coblentz C; Roberts JT; Fitzgerald E: hibernoma: patient examined by CT. *J Canad Assoc Radiol* 1986; 37: 110
- Coblentz CL: radiology of the pediatric chest: clinical and pathological correlations. *Radiology* 1988; 166: 92
- Coblentz CL; Sallee DS; Chiles C: aortobronchopulmonary fistula complicating aortic aneurysm: diagnosis in four cases. *AJR* 1988; 150: 535
- Coburn C; Makowska L; Ho C-S; et al: percutaneous transhepatic sphincterotomy in the management of biliary tract disease. *Gastrointest Radiol* 1986; 11: 273
- Cocchia P See Littman P
- Cocchia PF See Miraldi FD
- Coche G See Lemarbré L
- Coche G; Moran V; Boillot A; et al: acute fatty liver of pregnancy: CT evaluation. case report. *Eur J Radiol* 1988; 8: 115
- Cochlin DL; Wake A; Salaman JR; et al: ultrasound changes in the transplant kidney. *Clin Radiol* 1988; 39: 373
- Cochran CF See Bodine D
- Cochran CF See Quinn SF
- Cochran M See Arstein NB
- Cochran ST: extracorporeal shock wave lithotripsy: clinical results. *Urol Radiol* 1988; 10: 46
- Cochran ST; Ballard JW; Katzberg RW; et al: evaluation of iopamidol and diatrizoate in excretory urography: a double-blind clinical study. *AJR* 1988; 151: 523
- Cochran ST; Barbic ZL; Mindell HJ; Chaussy CD; Fuchs GJ; Laps AN: extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center. *Radiology* 1987; 163: 655
- Cochran ST; Liu E; Barbic ZL: percutaneous nephrostomy in conjunction with ESWL in treatment of nephrolithiasis. *AJR* 1988; 151: 103
- Cockcroft A See Seal RME
- Cockerill EM See Becker GJ
- Cockerill EM See Lappas JC
- Cocklin ML See Lams PM
- Cockram CS See Price J
- Cockrell CH See Cho S-R
- Cockrell CH See Robinson JM
- Cockshott WP See Horne J
- Cockshott WP See Nhamias C
- Cockshott WP See Rooney PJ
- Cockshott WP: 1986 year book of diagnostic radiology. *Radiology* 1987; 163: 156
- Cockshott WP: differential diagnosis of soft tissue and bone tumors. *Radiology* 1986; 160: 134
- Cockshott WP: radiology of the hand. *Radiology* 1986; 161: 474
- Cockshott WP: RSNA international visiting professor. *Radiology* 1988; 166: 900
- Coderre JA; Packer S; Fairchild RG; et al: iodiothiouracil as a melanoma localizing agent. *J Nucl Med* 1986; 27: 1157
- Coel JD See McAlister WH
- Coel M; Gushkin B: reliability of thallium-201 myocardial tomography in a clinical setting without exclusions for drugs or suboptimal exercise. *Clin Nucl Med* 1988; 13: 155
- Coen RW See Bejar R
- Coenen HH See Hamacher K
- Coerkamp EG; Kroon HM: cortical bone metastases. *Radiology* 1988; 169: 525
- Cofar GP See Hollett MD
- Coffey C II See Matar JR
- Coffey CW II See Droege RT
- Coffey EL See Wiener J
- Coffey RJ Jr; Knight CD Jr; van heerden JA; et al: gastric adenocarcinoma complicating Gardner's syndrome in a North American woman. (ab). *Radiology* 1986; 158: 568
- Coffman CE See Reinartz SJ
- Cogan MG See Jaschke WR
- Cohan RH See Illescas FF
- Cohan RH See Johnson CD
- Cohan RH See Miner DG
- Cohan RH See Munchchika H
- Cohan RH See Perimutt LM
- Cohan RH See Rose SC
- Cohan RH See Saeed M
- Cohan RH See Sussman SK
- Cohan RH; Dunnick NR: intravascular contrast media: adverse reactions. *AJR* 1987; 149: 665
- Cohan RH; Dunnick NR; Bashore TM: treatment of reactions to radiographic contrast material. *AJR* 1988; 151: 263
- Cohan RH; Illescas FF; Braun SD; et al: fine needle aspiration biopsy in malignant obstructive jaundice. *Gastrointest Radiol* 1986; 11: 145
- Cohan RH; Illescas FF; Saeed M; et al: infectious complications of percutaneous biliary drainage. *Invest Radiol* 1986; 21: 705
- Cohan RH; Mahony BS; Bowie JD; Cooper C; Baker ME; Illescas FF: striated intramural gallbladder lucencies on US studies: predictors of acute cholecystitis. *Radiology* 1987; 164: 31
- Cohan RH; Saeed M; Sussman SK; et al: percutaneous drainage of pelvic lymphatic fluid collections in the renal transplant patient. *Invest Radiol* 1987; 22: 864
- Cohen AJ See Cole-Beuglet CM
- Cohen AJ; Bridges R; Rowen SJ: communicating gastric-splenic abscess proven by combined technetium-99m reticulate and sulfur colloid imaging. *Clin Nucl Med* 1987; 12: 403
- Cohen AJ; Schachnig RJ; Hochholzer L: mediastinal hemangiomas. (ab). *Radiology* 1987; 165: 587
- Cohen AM See Goldberg REA
- Cohen AM See Tepper JE
- Cohen AM See Tomaszefski JF Jr
- Cohen AS See Lee VW
- Cohen BA See Gale JT
- Cohen BA See Mendelson DS
- Cohen BA; Lanzieri CF; Mendelson DS; et al: CT evaluation of the greater sciatic foramen in patients with sciatica. *AJNR* 1986; 7: 337
- Cohen D See Gomeri JM
- Cohen D; Fields S: CT findings in visceral leishmaniasis mimicking lymphoma. *Comput Med Imag Graph* 1988; 12: 325
- Cohen DJ; Fagelman D: pancreas islet cell carcinoma with complete fatty replacement: CT characteristics. *JCAT* 1986; 10: 1050
- Cohen EB See Komorowski RA
- Cohen EK See Coleman BG
- Cohen EK See Ebner F
- Cohen EK See Glickstein MF
- Cohen EK; Daneman A; Stringer DA; Soto G; Thorne P: focal adrenal hemorrhage: new US appearance. *Radiology* 1986; 161: 631
- Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML: hyaline cartilage-origin bone and soft-tissue neoplasms: MR appearance and histologic correlation. *Radiology* 1988; 167: 477
- Cohen EK; Kressel HY; Perosio T; et al: MR imaging of soft-tissue hemangiomas: correlation with pathologic findings. *AJR* 1988; 150: 1079
- Cohen EK; Stringer DA; Smith CR; et al: hydrops of the gallbladder in typhoid fever as demonstrated by sonography. *JCU* 1986; 14: 633
- Cohen G See Quencer RM
- Cohen H See Bentley E
- Cohen H See Radin DR
- Cohen HL See Haller JO
- Cohen HL: abdominal ultrasound. *Radiology* 1987; 165: 720
- Cohen HL; Haller JO: diagnostic sonography of the fetal genitourinary tract. *Urol Radiol* 1987; 9: 88
- Cohen HL; Haller JO; Mestel AL; Cohen C; Schechter S; Eaton DH: neonatal duodenum: fluid-aided US examination. *Radiology* 1987; 164: 805
- Cohen HL; Haller JO; Schechter S; et al: renal candidiasis of the infant: ultrasound evaluation. *Urol R* 1986; 6: 17
- Cohen HL; Schechter S; Mestel AL; et al: ultrasonic "double track" sign in hypertrophic pyloric stenosis. *J Ultrasound Med* 1987; 6: 159
- Cohen HR See Schatz SL
- Cohen I See Lanir A
- Cohen IT See Worthington-Kirsch RL
- Cohen J See Onik G
- Cohen JM See Erdman WA
- Cohen JM See Weinreb JC
- Cohen JM; Weinreb JC; Redman HC: arteriovenous malformations of the extremities: MR imaging. *Radiology* 1986; 158: 475
- Cohen JM; Weinreb JC; Redman HC: postoperative assessment of splenorenal shunts with MRI: preliminary investigation. *AJR* 1986; 146: 597
- Cohen JP; Pernik MS; Reede DL: internal jugular vein thrombosis. (ab). *Radiology* 1986; 161: 862
- Cohen JR; Leal J; Pillari G; et al: superior mesenteric artery balloon occlusion: a nonoperative model of small bowel ischemia in dogs. *Invest Radiol* 1987; 22: 871
- Cohen JS See Lyon RC
- Cohen KH; Welt S; Banner WP; et al: localization of radioiodinated monoclonal antibody in colorectal cancer: initial dosimetry results. (ab). *Radiology* 1988; 167: 882
- Cohen L See Orton CG
- Cohen L See Saroja KR
- Cohen L: optimization of dose-time factors for a tumor and multiple associated normal tissues. *Int J Radiat Oncol Biol Phys* 1987; 13: 251
- Cohen LM See Lev-Toaff AS
- Cohen LM; Hill MC; Siegel RS; et al: CT manifestations of Richter syndrome. *JCAT* 1987; 11: 1007
- Cohen LM; Sachs L; Hill MC: dilation of the common bile duct secondary to a hydronephrotic kidney. *CT* 1986; 10: 291
- Cohen LM; Schwartz AM; Rockoff SD: benign schwannoma: pathologic basis for CT inhomogeneities. *AJR* 1986; 147: 141
- Cohen M See McCarthy SM
- Cohen MB; Graham LS; Lake R; et al: diagnosis of Alzheimer's disease and multiple infarct dementia by tomographic imaging of iodine-123 IMP. *J Nucl Med* 1986; 27: 769
- Cohen MB; Saxton RE; Lake RR; et al: detection of malignant melanoma with iodine-123 iodoamphetamine. *J Nucl Med* 1988; 29: 1200
- Cohen MD See Belt TG
- Cohen MD See Boyko OB
- Cohen MD See Cory DA
- Cohen MD See Franken EA Jr
- Cohen MD: choosing contrast media for the evaluation of the gastrointestinal tract of neonates and infants. *Radiology* 1987; 162: 447
- Cohen MD; DeRosa GP; Kleiman M; et al: magnetic resonance evaluation of disease of the soft tissues in children. (ab). *Radiology* 1987; 165: 591
- Cohen MD; McGuire WA; Cory DA; et al: MR appearance of blood and blood products: in vitro study. *AJR* 1986; 146: 1293
- Cohen MD; Scales RL; Eigen H; et al: evaluation of pulmonary parenchymal disease by magnetic resonance imaging. *Br J Radiol* 1987; 60: 223
- Cohen MD; Siddiqui AR; Weetman RM; Provisor AJ; Coates T: Hodgkin disease and non-Hodgkin lymphomas in children: utilization of radiological modalities. *Radiology* 1986; 158: 499
- Cohen ME See Batnitzky S
- Cohen MI See Morvland SI III
- Cohen MI; Vogelzang RL: comparison of techniques for improved visualization of the arteries of the distal lower extremity. *AJR* 1986; 147: 1021
- Cohen MM See Goldfinger M
- Cohen MS See Gelberman RH
- Cohen MS See Unger EC
- Cohen MV See Steingart RM
- Cohen PF See Ammann W
- Cohen PJ See Frank JA
- Cohen RB See Hall FM
- Cohen S See Cascina WF
- Cohen S See Reuter KL
- Cohen SM See Chen C-N
- Cohen W See Hernandez-Schulman M
- Cohen WA See Holliday RA
- Cohen WA See Jungreis CA
- Cohen WA See Kowalaki HM
- Cohn DF See Avrahami E
- Cohn HE See Park CH
- Cohn I Jr See Bringaze WL III
- Cohn JR See Davis PS
- Cohn RA See Vogelzang RL
- Cola L; Chu J; Larsen R; et al: spinal cord protection during radiation therapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1697
- Cola LR; Hanks GE: complications from large field intermediate dose infradiaphragmatic radiation: an analysis of the patterns of care outcome studies for Hodgkin's disease and seminoma. *Int J Radiat Oncol Biol Phys* 1988; 13: 29
- Cola LR; Hanks GE; Martz K; et al: practice patterns of palliative care for the United States 1984-1985. *Int J Radiat Oncol Biol Phys* 1988; 14: 1261
- Coit WE; Harnsberger HR; Osborn AG; Snooker WRK; Stevens MH; Lufkin RB: ranulas and their mimics: CT evaluation. *Radiology* 1987; 163: 211
- Coker NJ See Lipkin AF
- Colagrande C See Squillaci E
- Colajacomo M See Fasanelli S
- Colajacomo M See Uzzo S
- Colan RV: gelatin sign: ultrasonographic evidence of cerebral necrosis in infants. (ab). *Radiology* 1986; 161: 576
- Colan SD: quantitative applications of Doppler cardiography in congenital heart disease. *Cardiovasc Intervent Radiol* 1987; 10: 332
- Colangelo M See Ruggiero R
- Colapinto RF See Osburn A
- Colapinto RF; Hart PW: femoral artery compression device for outpatient angiography. *Radiology* 1988; 166: 890

Colapinto

- Colapinto RF; Stronell RD; Johnston WK: transluminal angioplasty of complete iliac obstructions, *AJR* 1986; 146: 859
- Colas-Linhart N See Hindie E
- Colavita N See Kozlowski K
- Colavita N; Kozlowski K; Sprague P: cranio-metaphyseal dysplasia (report of 3 cases—two infants and one adult), *Australas Radiol* 1988; 32: 257
- Colavita N; Orzi C; Danza SM; et al: premature epiphyseal fusion and extramedullary hematopoiesis in thalassemia, *Skeletal Radiol* 1987; 16: 533
- Colbert RF See Evans RH
- Colborne B See Burgess AE
- Colby TV See Bragg DG
- Colby TV See McLoud TC
- Colby TV See Yousem SA
- Colcher D See Carrasquillo JA
- Coldwell DM See Fraser KW
- Coldwell DM: diagnostic patient studies in surgery, *Radiology* 1987; 162: 352
- Coldwell DM: hepatic embolization with an open-ended guide wire, *Radiology* 1987; 165: 285
- Cole AJL; Webb L; Cole TJ: bone age estimation: a comparison of methods, *Br J Radiol* 1988; 61: 683
- Cole BR See Melson GL
- Cole BR See Worthington JL
- Cole BS See Gibbons RP
- Cole CA See Acker JD
- Cole DJ: glomus jugulare tumours seen in Oxford 1960-1984, *Clin Radiol* 1988; 39: 83
- Cole FH; Cole FH Jr; Khandekar A; et al: management of broncholithiasis: is thoracotomy necessary?, (ab), *Radiology* 1987; 163: 290
- Cole FH Jr See Cole FH
- Cole FH Jr; Miller MF; Jones CV: transdiaphragmatic intercostal hernia, (ab), *Radiology* 1986; 161: 283
- Cole PJ See Currie DC
- Cole RL See Alexieva-Jackson B
- Cole S See Otis CN
- Cole SR See Westcott JL
- Cole TJ See Cole AJL
- Cole WC; DeNardo SJ; Meares CF; et al: comparative serum stability of radiochelates for antibody radiopharmaceuticals, *J Nucl Med* 1987; 28: 83
- Cole-Buglet CM See Aufrichtig D
- Cole-Buglet CM; Aufrichtig D; Cohen AJ; Harrison L; Miller EJ; Crade M: ultrasound case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 389
- Cole-Buglet CM; Miller EJ; Aufrichtig D; Pais MJ; Cohen AJ: ultrasound case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 822
- Cole-Buglet CM; Pais MJ; Aufrichtig D; Cohen AJ: ultrasound case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 600
- Cole-Buglet CM; Pais MJ; Cohen AJ; Aufrichtig D: ultrasound case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 1183
- Coliella JP See McNeely GF
- Coleman AJ; Saunders JE; Crum LA; et al: acoustic cavitation generated by an extracorporeal shockwave lithotripter, *Ultrasound Med Biol* 1987; 13: 69
- Coleman AJ; Saunders JE; Preston RC; et al: pressure waveforms generated by a Dornier extracorporeal shock-wave lithotripter, *Ultrasound Med Biol* 1987; 13: 651
- Coleman BG See Allen KS
- Coleman BG See Arger PH
- Coleman BG See Coscina WF
- Coleman BG See Coogrove DO
- Coleman BG See Glickstein MF
- Coleman BG See Grumbach K
- Coleman BG See Khouri MR
- Coleman BG See Lev-Toaff AS
- Coleman BG See Mitchell DG
- Coleman BG See Rubin JI
- Coleman BG See Simpson EL
- Coleman BG See Weinreb JC
- Coleman BG; Arger PH; Grumbach K; Menard MK; Mintz MC; Allen KS; Aronson RL; Lamon KA: transvaginal and transabdominal sonography: prospective comparison, *Radiology* 1988; 168: 639
- Coleman BG; Grumbach K; Arger PH; Mintz MC; Aronson RL; Mennuti M; Gabbe SG: twin gestations: monitoring of complications and anomalies with US, *Radiology* 1987; 165: 449
- Coleman BG; Kressel HY; Dalinka MK; Scheibler ML; Burk DL; Cohen EK: radiographically negative avascular necrosis: detection with MR imaging, *Radiology* 1988; 168: 525
- Coleman CN See Watchie J
- Coleman CN; Wasserman TH; Urtasun RC; et al: phase I trial of the hypoxic cell radiosensitizer SR-2508: results of the five to six week drug schedule, *Int J Radiat Oncol Biol Phys* 1986; 12: 1105
- Coleman DJ See Felleppa EJ
- Coleman DJ See Silverman RH
- Coleman DJ; Lizi FL; Silverman RH; et al: therapeutic ultrasound, *Ultrasound Med Biol* 1986; 12: 633
- Coleman GU See Johnson HW
- Coleman JJ III See Torres WE
- Coleman ND See Manco LG
- Coleman P See Thornhill BA
- Coleman PE See Bellon EM
- Coleman PE See Hahn FJ
- Coleman PE See Lee SH
- Coleman RE See Floyd CE Jr
- Coleman RE See Frankel N
- Coleman RE See Jaszczak RJ
- Coleman RE; Blinder RA; Jaszczak RJ: single photon emission computed tomography (SPECT), part II: clinical applications, *Invest Radiol* 1986; 21: 1
- Coleman RE; Mashiter G; Whitaker KB; et al: bone scan flare predicts successful systemic therapy for bone metastases, *J Nucl Med* 1988; 29: 1354
- Coleman RE; Rubens RD; Fogelman I: reappraisal of the baseline bone scan in breast cancer, *J Nucl Med* 1988; 29: 1045
- Colhoun E See Fairclough J
- Colhoun EN; Cassar-Pullicino V; McCall IW; et al: unusual disco-vertebral changes in Gaucher's disease, *Br J Radiol* 1987; 60: 925
- Colhoun EN; Fitzgerald EJ; McKnight L: importance of appropriate frequency selection in sonographic gallstone detection, *Br J Radiol* 1987; 60: 645
- Colhoun EN; Hayward C; Evans KT: inter-sterno-costo-clavicular ossification, *Clin Radiol* 1987; 38: 33
- Coll ME See Kendall AR
- Collen MJ See Norton JA
- Collen MJ See Ziesman HA
- Colletti F See Vachon L
- Colletti PM See Barakos JA
- Colletti PM See Cirimelli KM
- Colletti PM See Craig DA
- Colletti PM See Deseran MW
- Colletti PM See Radin DR
- Colletti PM See Ralls PW
- Colletti PM See Remedios PA
- Colletti PM; Barakos JA; Ralls PW; et al: hepatobiliary scintigraphy and scintiscintigraphy in abdominal trauma, *Clin Nucl Med* 1987; 12: 901
- Colletti PM; Barakos JA; Siegel ME; et al: enterogastric reflux in suspected acute cholecystitis, *Clin Nucl Med* 1987; 12: 533
- Colletti PM; Ralls PW; Lapin SA; et al: hepatobiliary imaging in choledocholithiasis: comparison with ultrasound, *Clin Nucl Med* 1986; 11: 482
- Colletti PM; Ralls PW; Siegel ME; et al: cholecystography in gallbladder carcinoma, *Clin Nucl Med* 1986; 11: 270
- Colletti PM; Ralls PW; Siegel ME; Halls JM: acute cholecystitis: diagnosis with radionuclide angiography, *Radiology* 1987; 163: 615
- Colletti PM; Raval JK; Benson RC; et al: motion artifact suppression technique (MAST) in magnetic resonance imaging: clinical results, *Magn Res Im* 1988; 6: 293
- Collica CJ See Palestro CJ
- Collier BD See Hellman RS
- Collier BD See Kneeland JB
- Collier BD See Kohn HS
- Collier BD See Krasnow AZ
- Collier BD See Rao SA
- Collier BD See Slizofski WJ
- Collier BD See Tisdale PL
- Collier BD See Veluvolu P
- Collier BD; Adams MB; Kauffman HM; et al: accurate diagnosis of renal transplant rejection by indium-111 platelet imaging despite postoperative cyclosporin therapy, *Clin Nucl Med* 1988; 13: 606
- Collier BD; Greenberg M; Tikofsky RS; et al: use of SPECT to distinguish recurrent brain tumor from persistent activity at a craniotomy site, *Clin Nucl Med* 1987; 12: 226
- Collier BD Jr; Hellman RS; Krasnow AZ: bone SPECT, *Semin Nucl Med* 1987; 17: 247
- Collin J See McMillan FJ
- Collins AG See Bydder GM
- Collins AG See Cox JI
- Collins AG See Young IR
- Collins C See Russell KJ
- Collins FS See Seashore JH
- Collins MC See Jennings CM
- Collins PA See Levin DN
- Collins PJ; Horowitz M; Chatterton BE: proximal, distal and total stomach emptying of a digestible solid meal in normal subjects, *Br J Radiol* 1988; 61: 12
- Collins SM See Campbell CF
- Collins SM See Skorton DJ
- Collins SM See Stevenson GW
- Collins TM; Ash DV; Close HJ; et al: evaluation of the palliative role of radiotherapy in inoperable carcinoma of the bronchus, *Clin Radiol* 1988; 39: 284
- Collis CH; Dieppe PA; Bullimore JA: radiation-induced chondrocalcinosis of the knee articular cartilage, *Clin Radiol* 1988; 39: 450
- Collis J See Kozlowski K
- Collin M See Wang GJ
- Colman LK; Porter BA; Redmond J III; et al: early diagnosis of spinal metastases by CT and MR studies, *JCAT* 1988; 12: 423
- Colodny A See Hoffer FA
- Colombani S See Gularid J-M
- Colombo N See Scotti G
- Colombo N; Berry I; Kucharczyk J; Kucharczyk W: MR imaging findings in the posterior pituitary gland: reply, *Radiology* 1988; 168: 282
- Colombo N; Berry I; Kucharczyk J; Kucharczyk W; de Groot J; Larson T; Norman D; Newton TH: posterior pituitary gland: appearance on MR images in normal and pathologic states, *Radiology* 1987; 165: 481
- Colon E; Schulte B; van Campen J: insufficiency of carotid and vertebral flow velocity in cerebrovascular disease: continuous wave Doppler study, *Ultrasound Med Biol* 1987; 13: 339
- Colosimo C Jr See Danza FM
- Colquhoun IR; Saywell WR; Dewbury KC: analysis of referrals for primary diagnostic abdominal ultrasound to a general X-ray department, *Br J Radiol* 1988; 61: 297
- Coltart RS See Chisholm RA
- Coltart RS; Wright EP: value of radionuclide venography in superior vena caval obstruction, (ab), *Radiology* 1986; 158: 287
- Colthart RS; Newman HFV; Watson JF: new methods for implanting plastic tubes for ¹⁹²Iridium brachytherapy using steel needles, *Clin Radiol* 1987; 38: 275
- Combes C See Gaston A
- Combs DT See Hanlon JT
- Come PC See Nakao S
- Come PC; Riley MF; Safian RD; et al: usefulness of noninvasive assessment of aortic stenosis before and after percutaneous aortic valvuloplasty, (ab), *Radiology* 1988; 169: 884
- Comerota AJ: deep vein thrombosis and pulmonary embolism: clinical presentation and pathophysiologic consequences, *Cardiovasc Intervent Radiol* 1988; 11: 59
- Comet R See Alvarez FJ
- Comisky E See Morrison SC
- Comite F See Rieth KG
- Common AA: percutaneous biopsy, aspiration and drainage, *Radiology* 1988; 166: 104
- Comoy J See Doyon D
- Comoy J: craniofacial injuries: neurosurgical problems, *J Neurosurg* 1986; 13: 248
- Comptello LS See Frager DH
- Compton JE; Evans WD; Crawley EO; et al: bone mineral content in normal UK subjects, *Br J Radiol* 1988; 61: 631
- Compton JE; Judd D; Crawley EO; et al: osteoporosis in patients with inflammatory bowel disease, (ab), *Radiology* 1987; 165: 882
- Compton AA See Ayers JWT
- Compton C See Elizondo G
- Compton CC See Raptopoulos V
- Compton CC See Weissleder R
- Comrie M See Yaghoobian J
- Comstock CH: antenatal diagnosis of diaphragmatic anomalies, *J Ultrasound Med* 1986; 5: 391
- Comstock CH: normal fetal heart axis and position, (ab), *Radiology* 1988; 166: 296
- Conant EF; Glickstein MF; Mahar P; Miller WT: pulmonary sarcoidosis in the older patient: conventional radiographic features, *Radiology* 1988; 169: 315
- Conant R See Ginzton LE
- Conard F; Sealy R; Hill J; et al: use of magnetic resonance imaging in the planning of iodine 125 therapy for melanoma of the choroid, *Br J Radiol* 1988; 61: 79
- Conard FU III See Raphael DT
- Conces DJ Jr; Kreipke DL; Tarver RD: MR of superior mesenteric artery—renal vein fistula, *Comput Radiol* 1986; 10: 279
- Conces DJ Jr; Schwenn R Jr; Doering PR; et al: thoracic needle biopsy: improved results utilizing the team approach, (ab), *Radiology* 1987; 165: 883
- Conces DJ Jr; Tarver RD; Lappas JC: value of opacification of the esophagus by low density barium paste in computer tomography of the thorax, *JCAT* 1988; 12: 202
- Condon B See Grant R
- Condon BR; Patterson J; Jenkins A; et al: MR relaxation times of cerebrospinal fluid, *JCAT* 1987; 11: 203
- Condon BR; Patterson J; Wyper D; et al: comparison of calculated relaxation parameters between an MR imager and spectrometer operating at similar frequencies, *Magn Res Im* 1986; 4: 449
- Condon BR; Patterson J; Wyper D; et al: digital mapping of multi-parameter contrast functions in magnetic resonance (MR) imaging using a standard MR computer system and digital display, *Comput Radiol* 1986; 10: 269

- Condon BR; Patterson J; Wyper D; et al: image non-uniformity in magnetic resonance imaging: its magnitude and methods for its correction. *Br J Radiol* 1987; 60: 83
- Condon BR; Patterson J; Wyper D; et al: quantitative index of ventricular and extraventricular intracranial CSF volumes using MR imaging. *JCAT* 1986; 10: 784
- Condon RE See Frantzides CT
- Cone L; Oates E; Vazquez R: congenital hypothyroidism: diagnostic scintigraphic evaluation of an organification defect. *Clin Nucl Med* 1988; 13: 419
- Cone RO See Carter BC
- Cone RO III See Nguyen VD
- Confinio E See Vermesh M
- Conger AD See Davis ME
- Conley FK See Ross BD
- Conley J; Tinsley PP Jr: treatment and prognosis of mucocutaneous carcinoma in the pediatric age group. (ab). *Radiology* 1986; 159: 288
- Conn HO See Taylor KJW
- Connell DG See Burhenne LJW
- Connell DG See Coppola J
- Connell DG See Mathieson JR
- Connell DG See Morris DC
- Connell DG See Munk PL
- Connell DG See Scott I
- Connell JA See De Vries LS
- Connell TMC See Hilditch TE
- Connolly A See Randall MR
- Connolly A See Lohman JAB
- Connors AF Jr; Castele RJ; Farhat NZ; et al: complications of right heart catheterization: prospective autopsy study. (ab). *Radiology* 1986; 158: 862
- Connolly ES See Numaguchi Y
- Connolly JL See Hall FM
- Connolly JL See Recht A
- Connolly TJ: nuclear power industry in the United States: status and projections. *Semin Nucl Med* 1988; 18: 25
- Connor S; Everett J; Nicholson JK: spin-echo proton NMR spectroscopy of urine samples: water suppression via a urea-dependent T₂ relaxation process. *Magn Res Med* 1987; 4: 461
- Connor TP See Rahmani MR
- Connors JJ See Patel RB
- Conover SR See Savolaine ER
- Conrad GR See Harre RG
- Conrad GR See Seabold JE
- Conrad GR; Loes DJ: ectopic supernumerary kidney: functional assessment using radionuclide imaging. *Clin Nucl Med* 1987; 12: 253
- Conrad GR; Loes DJ; Franken EA Jr: general case of the day: annual meeting. 1986. *Radiographics* 1987; 7: 815
- Conrad GR; Wesolowski CA; Berbaum KS; et al: renal arteriovenous transit times of technetium-radiolabeled chelates. *J Nucl Med* 1987; 28: 1134
- Conrad M; Newton J; Harkin J: growing caliceal diverticular defect. *Urol Radiol* 1987; 9: 194
- Conrad MR; Freedman HL: transection of orbital rectus muscle demonstrated by computed tomography. *JCAT* 1987; 11: 359
- Conrad MR; Pitkethly DT: bilateral synovial cysts creating spinal stenosis: CT diagnosis. *JCAT* 1987; 11: 196
- Conradi MS See Walton JH
- Conroy JF See Schwartz EE
- Conry BG; Jones S; Bartram CI: effect of oral magnesium-containing bowel preparation agents on mucosal coating by barium sulphate suspensions. *Br J Radiol* 1987; 60: 1215
- Consigny PM; LeVein RF: effects of angioplasty balloon inflation time on arterial contractions and mechanics. *Invest Radiol* 1988; 23: 271
- Constable WC See Carey PO
- Constable WC See Kersh CR
- Constable WC See Spaulding CA
- Constans JP; Meder JF; De Divittis E; et al: giant intradiploic epidural cysts of the skull: report of two cases. (ab). *Radiology* 1986; 158: 284
- Constant O See Page JE
- Constant O; Mitchell RA: case of the month: an unusual inguinal swelling. *Br J Radiol* 1987; 60: 1139
- Constantin A See Lafortune M
- Constantinesco A See Demangeat J-L
- Constantinou C See White DR
- Constantine LS: cancer treatment: end-point evaluation. *Radiology* 1986; 158: 832
- Constantine LS; Konaki A; Ekholm S; et al: adverse effects of brain irradiation correlated with MR and CT imaging. *Int J Radiat Oncol Biol Phys* 1988; 15: 319
- Constantine LS; Zagars G; Rubin P; et al: protection by WR-2721 of human bone marrow function following irradiation. *Int J Radiat Oncol Biol Phys* 1986; 12: 1505
- Conte FA See Babbal RW
- Conte FA See Stone EE
- Conte FA; Orzel JA: superior vena cava syndrome and bilateral subclavian vein thrombosis: CT and radionuclide venography correlation. *Clin Nucl Med* 1986; 11: 698
- Conte FA; Orzel JA; Weiland FL; et al: prevention of motion artifacts on dual isotope subtraction parathyroid scintigraphy. *J Nucl Med* 1987; 28: 1335
- Conte G; Nascimben O; Turcato G; et al: three-field isocentric technique for breast irradiation using individualized shielding blocks. *Int J Radiat Oncol Biol Phys* 1988; 14: 1299
- Conte J See Martin B
- Contento G See Padovani R
- Contento G; Mallian MR; Padovani R; et al: comparison of diagnostic radiology practice and patient exposure in Britain, France and Italy. *Br J Radiol* 1988; 61: 143
- Contesse G See Vassel D
- Conti PS See Schmal B
- Conti PS; Warner CH; Fleisher AG; et al: bowel obstruction caused by gastric balloons. *AJR* 1988; 151: 313
- Contractor FM See Lupetin AR
- Contractor FM; Sharma P; Dash N; et al: extension of hepatic metastatic tumor along a biliary drainage catheter tract: case report. *Cardiovasc Intervent Radiol* 1987; 10: 303
- Contreras MA; Cheung OT; Sanders DE; et al: pulmonary infection with nontuberculous mycobacteria. (ab). *Radiology* 1988; 168: 292
- Conturo TE See Eisenberg AD
- Conturo TE See Mitchell RF
- Conturo TE; Beth AH; Arenstorff RF; et al: simplified mathematical description of longitudinal recovery in multiple-echo sequences. *Magn Res Med* 1987; 4: 282
- Conturo TE; Price RR; Beth AH: rapid local rectangular views and magnifications: reduced phase encoding of orthogonally excited spin echoes. *Magn Res Med* 1988; 4: 418
- Convery FR See Reznosi SA
- Conway J See Farley T
- Conway JJ See Fernbach SK
- Conway JJ See Traisman ER
- Conway WF See Reznosi WS
- Conway WF; Hayes CW: general case of the day: annual meeting. 1987. *Radiographics* 1988; 8: 818
- Coode PE See Younus M
- Coedley E See Wu S-Y
- Cook CM See Thompson RS
- Cook DE See Corcoran HL
- Cook DE See Ritchie WW
- Cook DE See Tinsdale J
- Cook DE; Walsh JW; Vick CW; Brewer WH: upper abdominal trauma: pitfalls in CT diagnosis. *Radiology* 1986; 159: 65
- Cook JJ See Dadds WJ
- Cook KL; Braunstein EM: computed tomographic appearance of giant cell reparative granuloma of a nasal bone. *Comput Med Imag Graph* 1988; 12: 111
- Cook KL; DiPietro MA; Bogdasarian RS: elusive nasopharyngeal hamartoma in a neonate. *Pediatr Radiol* 1988; 18: 351
- Cook LN See Marsh D
- Cook N See Zanelli GD
- Cook PG; Norman PF: case report: intradiploic leptomeningeal cyst of the frontal bone occurring as a complication of head injury in an adult. *Clin Radiol* 1988; 39: 214
- Cook PG; Wells IP; McGavin CR: distribution of pulmonary shadowing in farmer's lung. *Clin Radiol* 1988; 39: 21
- Cook PG; Wells IP; Marshall AJ: case report: renovascular hypertension in Takayasu's disease treated by percutaneous transluminal angioplasty. *Clin Radiol* 1986; 37: 583
- Cook PS See Traugott PD
- Cook SA See Houser J
- Cooke DAP See Cooke JC
- Cooke DI; Williams CE; Fowler RC: evaluation of the role of the intravenous urogram in the management of patients with epididymo-orchitis. *Clin Radiol* 1987; 38: 255
- Cooke JC See Currie DC
- Cooke JC See Hansell DM
- Cooke JC; Cooke DAP: appearances of multiple biliary hamartomas of the liver (von Meyenburg complexes) on computed tomography. *Clin Radiol* 1987; 38: 101
- Cooke S See Ratcliffe GE
- Cookson JL See Kottal RA
- Cooley DA See Livesay JJ
- Cooley LA See Harcke HT
- Coombs RJ See Kaurich JD
- Coombs RJ; Zeiss J; McCann K; et al: case report 360. *Skeletal Radiol* 1986; 15: 254
- Cooner WH; Mosley BR; Rutherford CL Jr; et al: clinical application of transrectal ultrasonography and prostate specific antigen in the search for prostate cancer. (ab). *Radiology* 1988; 169: 289
- Cooney C See Kwaka EL
- Cooney J See Khaw BA
- Coonrod DV See Shields AF
- Cooms HG See Alzate GD
- Cooper AG See Homer MJ
- Cooper AJL See Ginos JZ
- Cooper C See Baker ME
- Cooper C See Cohen RH
- Cooper C See Mahony BS
- Cooper C See Silverman FM
- Cooper C See Swanson SK
- Cooper C See Yankos JR
- Cooper C; Barker DJP; Hall AJ: evaluation of the Singh index and femoral calcar width as epidemiological methods for measuring bone mass in the femoral neck. *Clin Radiol* 1986; 37: 123
- Cooper C; Jeffrey RB Jr; Silverman FM; et al: computed tomography of omental pathology. *JCAT* 1986; 10: 62
- Cooper CM See Kelly TA
- Cooper D See de Crespiigny LC
- Cooper DKC See Hurralde M
- Cooper DKC See Novitsky D
- Cooper GL See Johnson JF
- Cooper GS See McLean GK
- Cooper JAD Jr; White DA; Matthay RA: drug-induced pulmonary disease. part 1: cytotoxic drugs. (ab). *Radiology* 1986; 160: 571
- Cooper JAD Jr; White DA; Matthay RA: drug-induced pulmonary disease. part 2: noncytotoxic drugs. (ab). *Radiology* 1986; 160: 571
- Cooper JD; Perelman M; Todd TR; et al: precision cautery excision of pulmonary lesions. (ab). *Radiology* 1986; 160: 572
- Cooper JS See Ziegler JC
- Cooper JS; Fried FR: defining the role of radiation therapy in the management of epidemic Kaposi's sarcoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 35
- Cooper JS; Ransohoff J; Rush S; et al: CT detection of cerebral metastases inapparent on magnetic resonance imaging scan. *CT* 1988; 12: 182
- Cooper KL: insufficiency fractures of the sternum: a consequence of thoracic kyphosis? *Radiology* 1988; 167: 471
- Cooper MD See Levin DN
- Cooper MR See Cowan RJ
- Cooper P See Chisholm RA
- Cooper P See Kowalaki HM
- Cooper PW See Willinsky RA
- Cooper R See Mitchell DG
- Cooper R See Sclafani SJA
- Cooper R See Winchester P
- Cooper RA See Allwright SJ
- Cooper RA; Berman S: extensive breast calcification in renal failure. *J Thorac Imag* 1988; 3-2: 81
- Cooper SD; Brady MR; Williams JP; et al: neurosarcooidosis: evaluation using computed tomography and magnetic resonance imaging. *CT* 1988; 12: 96
- Cooper SG; Maitlen AN; Richman AH: fluorescein labeling of lymphatic vessels for lymphangiography. *Radiology* 1988; 167: 559
- Cooper SG; Sherman SB; Gross RJ; et al: ultrasound diagnosis of acute scrotal hemorrhage in Henoch-Schönlein purpura. *JCU* 1988; 16: 353
- Cooperberg FL See Ajzen SA
- Cooperberg FL See Becker CD
- Cooperberg FL See Buckley AR
- Cooperberg FL See Gibney RG
- Cooperberg FL See Kidney M
- Cooperberg FL See King PS
- Cooperberg FL See Li DK
- Cooperberg FL See Machan L
- Cooperberg FL See Mathieson JR
- Cooperberg FL See Simons ME
- Cooperberg FL See Skwarok DJ
- Cooperberg FL See So CB
- Cooperberg FL; Gibney RG: imaging of the gallbladder. 1987. *Radiology* 1987; 163: 605
- Cooperstein LA See Burk DL Jr
- Coornaert S See Raoult J-L
- Cope C See Meranze SG
- Cope C: minipuncture angiography. *Radiol Clin North Am* 1986; 24: 359
- Cope C: needle endoscopy in special procedures. *Radiology* 1988; 166: 353
- Cope C: suture anchor for visceral drainage. *AJR* 1986; 146: 160
- Cope C: venous cannula for emergency catheter pulmonary embolectomy. *Radiology* 1986; 161: 553
- Cope C; Marinelli DL; Weinstein JK: transcatheter biopsy of lesions obstructing the bile ducts. *Radiology* 1988; 169: 555
- Cope C; Zeit RM: coagulation of aneurysms by direct percutaneous thrombin injection. *AJR* 1986; 147: 383
- Cope R See Kilcoyne RF
- Cope R See Williams WV
- Cope R: shoulder: surgical and nonsurgical management. 2d ed. *Radiology* 1988; 169: 338
- Cope R; Riddervold HO: posterior dislocation of the sternoclavicular joint: report of two cases, with emphasis on radiologic management and early diagnosis. *Skeletal Radiol* 1988; 17: 247

- Copel JA; Kleinman CS: impact of fetal echocardiography on perinatal outcome. *Ultrasound Med Biol* 1986; 12: 327
- Copeland EM III See Urrutia EJ
- Copeland J See O'Brien WM
- Copely DJ See Smith R
- Copely DJ; Smith R: salivary scintigraphy: decreased activity. *Semin Nucl Med* 1986; 16: 220
- Copely DJ; Smith R: salivary scintigraphy: unilateral increased activity. *Semin Nucl Med* 1986; 16: 222
- Cophignon J See George B
- Copley JB; Hasbergen JA: "idiopathic" hematuria: a prospective evaluation. (ab). *Radiology* 1987; 164: 589
- Coppage L; Shaw C; Curtis AM: metastatic disease to the chest in patients with extrathoracic malignancy. *J Thorac Imag* 1987; 2: 24
- Coppola J; Müller NL; Connell DG: computed tomography of musculoskeletal tuberculosis. *J Canad Assoc Radiol* 1987; 38: 199
- Coral A See Walters NA
- Coral A: radiology of skeletal elements in the subitral region: incidence and significance. *Skeletal Radiol* 1987; 16: 298
- Coral A; Jones SN; Lees WR: dorsal pancreas presenting as a mass in the chest. *AJR* 1987; 149: 718
- Coran AG See Baker DE
- Coran AG See Bank ER
- Corbett JJ See Smoker WRK
- Corbett RJT; Lupton AK; Hassan A; et al: quantitation of acidosis in neonatal brain tissue using the ³¹P NMR resonance peak of phosphoethanolamine. *Magn Res Med* 1988; 6: 99
- Corbetti F; Malatesta V; Camposampiero A; Mazzi A; Funzi L; Angelini F; Vigo M; Todesco S: knee arthrography: effects of various contrast media and epinephrine on synovial fluid. *Radiology* 1986; 161: 195
- Corbitt SS See Seibert JJ
- Corboy JR; Fink L; Miller WT: congestive cardiomyopathy in association with AIDS. *Radiology* 1987; 165: 139
- Corbus HF See Touya JJ
- Corcione S See Orziccolo C
- Corcioni E See Orzi E
- Corcoran HL; Cook DE; Proto AV: diagnosis of anemia on computed tomography scans of the thorax. *CT* 1988; 12: 116
- Corday SR See Gomes AS
- Cordero S See Villanueva-Meyer J
- Cordes I See Cordes M
- Cordes M; Cordes I; Sander B; et al: lissencephaly: diagnosis by computed tomography and magnetic resonance imaging. *Eur J Radiol* 1988; 8: 131
- Cordiani MR See Zoli M
- Cordone M See Marasini M
- Cordts PR See Moreno AJ
- Cordts RE; Yochimowitz MG; Hardy KA: evaluation of domperidone as a modifier of gamma-radiation-induced emesis. *Int J Radiat Oncol Biol Phys* 1987; 13: 1333
- Coren AB See Levinsohn EM
- Coren C See Cohen HL
- Corkill M; Strigley J; Graham R; et al: inverted papilloma: an uncommon benign cause of a ureteral filling defect. *Urol Radiol* 1987; 9: 164
- Cordija M See Hung JC
- Cormack AM: problem in rotation therapy with x-rays. *Int J Radiat Oncol Biol Phys* 1987; 13: 623
- Cormack AM; Cormack RA: problem in rotation therapy with x-rays: dose distributions with an axis of symmetry. *Int J Radiat Oncol Biol Phys* 1987; 13: 1921
- Cormack RA See Cormack AM
- Cormier J-M See Vayssairt M
- Cormier M See Gray R
- Cormier MG See Yedlicka JW Jr
- Cormier PJ; Donaldson JS; Gonzalez-Crussi F: nephroblastomatosis: missed diagnosis. *Radiology* 1988; 169: 737
- Cormier PJ; Matalon TAS; Wolin PM: quadrilateral space syndrome: a rare cause of shoulder pain. *Radiology* 1988; 167: 797
- Cormier WJ See Shehata WM
- Cornell P See Lupatelli L
- Cornelius EA; Neumann RD; Zoghbi SS; et al: intrapertic and interpartic comparison of tumor size and monoclonal antibody uptake in melanoma. *Clin Nucl Med* 1988; 13: 243
- Cornelius RS: renal mass with neovascularity. *Semin Roentgenol* 1987; 22: 229
- Cornell P See Palmer D
- Cornell SH See Crawford SC
- Corner GA See Thomas R
- Cornish JD See Schlesinger AE
- Corno A; Picardo S; Ballerini L; et al: bronchial compression by dilated pulmonary artery: surgical treatment. (ab). *Radiology* 1986; 160: 283
- Cornud F See Blangy S
- Cornwell J; Walden C; Ghahremani GG: CT demonstration of fistula between esophageal carcinoma and spinal canal. *JCAT* 1986; 10: 871
- Corpus SW See Engelstad BL
- Corrales MM See Mafee MF
- Correia JA See Kushner DC
- Correia JA See Livni E
- Corriere JN Jr See Sandler CM
- Corrin B See van den Bosch JMM
- Corry RJ See Yuh WTC
- Corstens F; Huysmans D; Kloppenborg P: thallium-201 scintigraphy of the suppressed thyroid: an alternative for iodine-123 scanning after TSH stimulation. *J Nucl Med* 1988; 29: 1360
- Corstens F; Kerremans A; Claessens R: resolution of massive technetium-99m methylene diphosphonate uptake in the stomach in vitamin D intoxication. *J Nucl Med* 1986; 27: 219
- Corstens FH See van Valenberg PL
- Cortisaz C See Deter RL
- Corwin HL; Silverstein MD: diagnosis of neoplasia in patients with asymptomatic microscopic hematuria: a decision analysis. (ab). *Radiology* 1988; 169: 882
- Corwin W See Seneff MG
- Cory DA See Boyko OB
- Cory DA See Cohen MD
- Cory DA See Koch KJ
- Cory DA; Cohen MD; Smith JA: thymus in the superior mediastinum simulating adenopathy: appearance on CT. *Radiology* 1987; 162: 457
- Cory DA; Ellis JH; Bies JR; et al: magnetic resonance imaging of extremity masses. *Comput Radiol* 1986; 10: 99
- Cory DA; Schwartzentruber DJ; Mock BH: ingested manganese chloride as a contrast agent for magnetic resonance imaging. *Magn Res Imag* 1987; 5: 65
- Cory DA; Tarver RD; Baker MK; et al: subepithelial pyeloureteric lesions in patients with nephrostomy tubes. *Br J Radiol* 1987; 60: 449
- Coryell LW See Hawkins JS
- Coscina WF; Arger PH; Herlinger H; et al: CT diagnosis of villous adenoma. *JCAT* 1986; 10: 764
- Coscina WF; Arger PH; Levine MS; Herlinger H; Cohen S; Coleman BG; Mintz MC: gastrointestinal tract focal mass lesions: role of CT and barium evaluations. *Radiology* 1986; 158: 581
- Coscina WF; Arger PH; Mintz MC; et al: concurrent duplication and azygos continuation of the inferior vena cava. *CT* 1986; 10: 287
- Coscina WF; Arger PH; Mintz MC; et al: CT demonstration of pulmonary effects of tangential beam radiation. *JCAT* 1986; 10: 600
- Coscina WF; Kressel HY; Gefter WB; et al: MR imaging of double aortic arch. *JCAT* 1986; 10: 673
- Coscina WF; Mintz MC; Rascoe RR; et al: CT characteristics of cervical mucocoele mimicking a cystic adnexal mass. *JCAT* 1986; 10: 352
- Cosco FE See Lande IM
- Cosgriff PS; Lavelle J: Misleading technetium-99m DTPA renogram in renal carcinoma. *Br J Radiol* 1987; 60: 717
- Cosgrove DO See Clarke DP
- Cosgrove DO See de Gonzalez EL
- Cosgrove DO See Khan O
- Cosgrove DO See Kissin CM
- Cosgrove DO See Tristram M
- Cosgrove DO; Arger PH; Coleman BG: ultrasonic anatomy of hepatic veins. *JCU* 1987; 15: 231
- Cosgrove GR; Bertrand G; Fontaine S; et al: cavernous angiomas of the spinal cord. (ab). *Radiology* 1988; 169: 294
- Cosgrove GR; Leblanc R; Meagher-Villemure K; et al: cerebral amyloid angiopathy. (ab). *Radiology* 1986; 159: 286
- Cosgrove R See Fontaine S
- Cosgrove R See Theron J
- Cosman E See Costello P
- Cosman ER See Onik G
- Cosnard G See Aubin ML
- Cosnard G See Braun M
- Cosnard G See Ferry M
- Cosolo W; Morstyn G; Arkles B; et al: flare responses in small cell carcinoma of the lung. *Clin Nucl Med* 1988; 13: 13
- Cosset JM; Henry-Amar M; Girinski T; et al: late toxicity of radiotherapy in Hodgkin's disease: the role of fraction size. *Acta Oncol* 1988; 27: 123
- Cossi AF; Scholz FJ; Aretz HT; et al: computed tomography of xanthogranulomatous cholecystitis. *Gastrointest Radiol* 1987; 12: 154
- Cossi AF; Sykes MW; Shahian DM; et al: intraluminal mass of the left pulmonary artery. *Comput Radiol* 1986; 10: 111
- Costa A See Lagrange JL
- Costa A; Lalanne C-M; Marcié S; et al: development and use of a computer system in a radiotherapy department: SISGRAD. *Int J Radiat Oncol Biol Phys* 1987; 13: 1949
- Costa DC See Ell PJ
- Costa T See Azouk EM
- Costa-Greco MA: adenomyomatosis of the gallbladder. *JCU* 1987; 15: 198
- Costantini J See Axel L
- Costaridou H See Goodenough DJ
- Costaz R See Weill FS
- Costello P See Longmaid HE III
- Costello P See Onik G
- Costello P See Zibrak JD
- Costello P: self assessment in radiology I: ear, nose, and throat. *Radiology* 1986; 160: 484
- Costello P; Kane RA; Oster J; et al: focal splenic disease demonstrated by ultrasound and computed tomography. (ab). *Radiology* 1986; 158: 287
- Costello P; Onik G; Cosman E: computed tomographic-guided stereotaxic biopsy of thoracic lesions. *J Thorac Imag* 1987; 2: 27
- Costello P; Williams CR; Jenkins RW; et al: incidence and implications of chest radiographic abnormalities following orthotopic liver transplantation. *J Canad Assoc Radiol* 1987; 38: 90
- Costigan DA; Winkelman MD: intramedullary spinal cord metastasis. *clinopathological study of 13 cases*. (ab). *Radiology* 1986; 158: 285
- Costigan K See Romero R
- Cote C See Verreault J
- Cote C See Yazdi R
- Cote RJ; Rosen PB; Hakes TB; et al: monoclonal antibodies detect occult breast carcinoma metastases in the bone marrow of patients with early stage disease. (ab). *Radiology* 1988; 168: 887
- Cotter HB See Kulkarni MV
- Cotroneo AR; Patane D; de Cincque M; et al: therapeutic embolization of renal artery to control severe hypertension due to renal trauma. *Eur J Radiol* 1987; 7: 147
- Cottenie F See Goes E
- Cotton RT: nasopharyngeal stenosis. (ab). *Radiology* 1986; 158: 286
- Cottone M; D'Amico G; Maringhini A; et al: predictive value of ultrasoundography in the screening of non-ascitic cirrhotic patients with large varices. *J Ultrasound Med* 1986; 5: 189
- Cotty P; Fouquet B; Pleskoff L; et al: vertebral osteomyelitis: value of percutaneous biopsy: 30 cases. *J Neuroradiol* 1988; 15: 13
- Cousaud J See Algeoe JH Jr
- Couanet D See Geoffroy A
- Couanet D See Neuenschwander S
- Couanet D See Vanel D
- Couch JR See Norfray JF
- Couch MW See Thomas KD
- Couch MW; Greer DM; Thonoor CM; et al: in vivo binding in rat brain and radiopharmaceutical preparation of radioiodinated HEAT, and alpha-1 adrenoreceptor ligand. *J Nucl Med* 1988; 29: 356
- Coughlin JD See Seabold JE
- Coughlin JD: extrusion of bone graft after lumbar fusion: CT appearance. *JCAT* 1986; 10: 399
- Coughlin BF; Paushter DM: peripheral pseudoaneurysms: evaluation with duplex US. *Radiology* 1988; 168: 339
- Coughlin K See Fried AM
- Coughlin WF See Johnson JF
- Coulson RL See Sankar SS
- Coults PG; Ahler RG; Anderson RL: altered turnover and synthesis rates of lung surfactant following thoracic irradiation. *Int J Radiat Oncol Biol Phys* 1987; 13: 233
- Coulter-Knoff A See Sencer S
- Coulthard MG See Morrell P
- Coumans J See Pettigrew RI
- Coupal JJ See Shih W-J
- Courchesne E; Hesselink JR; Jernigan TL; et al: abnormal neuroanatomy in a nonretarded person with autism: unusual findings with magnetic resonance imaging. (ab). *Radiology* 1987; 165: 590
- Courthoux P See Tournade A
- Courthoux P; Maiza D; Henriot J-P; Vaislic CD; Evrard C; Theron J: erectile dysfunction caused by venous leakage: treatment with detachable balloons and coils. *Radiology* 1986; 161: 807
- Courthoux P; Theron J; Derlon JM; et al: fibrinolyse in situ des troncs supra-aortiques: étude préliminaire (in situ fibrinolysis in supra-aortic main vessels: a preliminary study). *J Neuroradiol* 1986; 13: 111
- Courthoux P; Theron J; Tournade A; et al: percutaneous endoluminal angioplasty of post endarterectomy carotid stenoses. *Neuroradiol* 1987; 29: 186

- Courtheoux P; Tournade A; Theron J; et al: transcutaneous angioplasty of vertebral artery atherosclerotic ostial stricture, (ab), *Radiology* 1986; 159: 287
- Courty T See Newman DM
- Courty TA See Kahnoski RJ
- Courty TA See Lingeman JE
- Cousart E See Jeanty P
- Cousin AJ; Lawdahl KB; Chakraborty DP; et al: case for radioprotective eyewear/facewear: practical implications and suggestions, *Invest Radiol* 1987; 22: 688
- Cousin AJ; Soto B: new cineradiographic methods for assessment of Bjork-Shiley valve integrity, *AJR* 1986; 147: 1139
- Cousineau G See Bourgoin P
- Coutinho C; McGeorge A; Macpherson P; et al: iotrolan versus iopamidol for radiculography: a randomized double-blind study, *Br J Radiol* 1988; 61: 89
- Coutts IJ; Gilson JC; Kerr IH; et al: mortality in cases of asbestosis diagnosed by a pneumoconiosis medical panel, (ab), *Radiology* 1987; 165: 296
- Couture A See Veyrac C
- Covall DJ See Lo TCM
- Coveney JR; Robbins MS: comparison of technetium-99m MAG₃ kit with HPLC-purified technetium-99m MAG₃ and OIH in rats, *J Nucl Med* 1987; 28: 1881
- Coventry MB: proximal tibial varus osteotomy for osteoarthritis of the lateral compartment of the knee, (ab), *Radiology* 1987; 164: 294
- Cowan See Ober KP
- Cowan DH See Fam AG
- Cowan RA See Hamilton D
- Cowan RJ See Baker AL
- Cowan RJ See Culp PJ
- Cowan RJ See Rieser GD
- Cowan RJ: conventional radionuclide brain imaging in the era of transmission and emission tomography, *Semin Nucl Med* 1986; 16: 63
- Cowan RJ; Chilton HM; Cooper MR; et al: hematologic depression following therapy with strontium-89 chloride, *Clin Nucl Med* 1986; 11: 845
- Cowen AR; Hartley PJ; Workman A: computer enhancement of digital grey-scale fluorography images, *Br J Radiol* 1988; 61: 492
- Cowen AR; Haywood JM; Workman A; et al: set of x-ray test objects for image quality control in digital subtraction fluorography. I: design considerations, *Br J Radiol* 1987; 60: 1001
- Cowen AR; Taylor C: patient absorbed doses in digital grey-scale fluorography, *Br J Radiol* 1986; 59: 689
- Cowen AR; Workman A; Haywood JM; et al: set of x-ray test objects for image quality control in digital subtraction fluorography. II: application and interpretation of results, *Br J Radiol* 1987; 60: 1011
- Cowie VJ See Hunter RD
- Cowley MJ See DiSciascio G
- Cox A See Williams I
- Cox C See Barnett SB
- Cox EB See Flowers JL
- Cox EB See Halperin EC
- Cox EB See Hershatter BW
- Cox GG See Lee KR
- Cox GG See Templeton AW
- Cox GG; Templeton AW; Anderson WH; et al: estimating digital information throughput rates for radiology networks: model, *Invest Radiol* 1986; 21: 162
- Cox GG; Templeton AW; Dwyer SJ III: digital image management: networking, display, and archiving, *Radiol Clin North Am* 1986; 24: 37
- Cox IJ See Ross B
- Cox IJ See Young IR
- Cox IJ; Bryant DJ; Collins AG; et al: four-dimensional chemical shift MR imaging of phosphorus metabolites of normal and diseased human liver, *JCAT* 1988; 12: 369
- Cox IJ; Bryant DJ; Ross BD; et al: spectral resolution in clinical magnetic resonance spectroscopy, *Magn Res Med* 1987; 5: 186
- Cox J See Davis LW
- Cox J See vanSonnenberg E
- Cox J; van der Schueren E: time/dose/fractionation trials, *Int J Radiat Oncol Biol Phys* 1988; 14: 551
- Cox JD See Amols HI
- Cox JD See Brady LR
- Cox JD See van der Schueren E
- Cox JD: fractionation: a paradigm for clinical research in radiation oncology, *Int J Radiat Oncol Biol Phys* 1987; 13: 1271
- Cox JD; Barber-Derus S; Hartz AJ; et al: adenocarcinoma/large cell carcinoma: the most radiocurable type of cancer of the lung?, *Int J Radiat Oncol Biol Phys* 1986; 12: 1801
- Cox JD; Flynn DF; Pittman DD; et al: postgraduate training in radiation oncology in the United States, 1986, *Int J Radiat Oncol Biol Phys* 1987; 13: 1383
- Cox KL See Moonen CTW
- Cox L See McCormick B
- Cox RAF: nuclear emergencies: medical preparedness, *Br J Radiol* 1987; 60: 1180
- Cox-Bryan J See Ben Ami T
- Coxon R See Ordridge RJ
- Coy P; Hodson I; Payne DG; et al: effect of dose of thoracic irradiation on recurrence in patients with limited stage small cell lung cancer. Initial results of a Canadian multicenter randomized trial, *Int J Radiat Oncol Biol Phys* 1988; 14: 219
- Coyle M See Keller FS
- Coyle MJ See Schwartz ML
- Cozacov C See Prober A
- Cozens NJA: are we taught how to use a radiology department as medical students?, *Clin Radiol* 1987; 38: 137
- Cozzi G; Bellomi M; Gariboldi M; et al: esophageal carcinoma: radiologic appearance of minimal lesions, *Acta Radiol* 1987; 28: 177
- Cracchiolo A III See Gold RH
- Crade M See Cole-Bugle CM
- Crade M See Jacinto JS
- Crade M; Lovett S: fetal response to sound stimulation: preliminary report exploring use of sound stimulation in routine obstetrical ultrasound examinations, *J Ultrasound Med* 1988; 7: 499
- Cragg AH See Brazzini A
- Cragg AH See Hunter DW
- Cragg AH See Smith TP
- Cragg AH; Berbaum K; Smith TP: prospective blinded trial of warm and cold lidocaine for intradermal injection, *AJR* 1988; 150: 1183
- Craig BM See Feczko PJ
- Craig BM See Kellman GM
- Craig BM See Wells D
- Craig DA; Colletti FM; Ratto D; et al: MRI findings in pulmonary sarcoidosis, *Magn Res Imag* 1988; 6: 567
- Craig EV See Crass JR
- Craig JK See Patton JA
- Craig JR See Radin DR
- Craig DJ See Adam WR
- Cramer B See Jequier S
- Cramer BC See Kintanar C
- Cramer BC; Jequier S; de Chadarevian JP: factors associated with renal parenchymal echogenicity in the newborn, *J Ultrasound Med* 1986; 5: 633
- Cramer BC; Jequier S; O'Gorman AM: ultrasound of the neonatal craniocervical junction, *AJNR* 1986; 7: 449
- Cramer DW See Benacerraf BR
- Cramer MS See DiSantis DJ
- Crampton AR See Gould RJ
- Crane JM See Carmichael J
- Crane JP See Albright EB
- Crane JP See Gray DL
- Crane JP See McAllister WH
- Crane JP; Beaver HA; Cheung SW: antenatal ultrasound findings in fetal trisomy 21 syndrome, (ab), *Radiology* 1986; 158: 862
- Crane R; Margolis MT: use of sitting position to relieve myelographic obstruction, *AJNR* 1986; 7: 502
- Cranford C See Erikson CA
- Cranley JJ See Kakkasseri JS
- Cranley JJ See Peter DJ
- Cranley K; Fogarty GWA: measurement of total filtration of diagnostic X-ray tubes, *Br J Radiol* 1988; 61: 388
- Cranston PE; Morano JU: CT of adult adrenal cortical carcinoma: six years experience, *Comput Med Imag Graph* 1988; 12: 115
- Crapo RO See Bekemeyer WB
- Crass JR See Letourneau JG
- Crass JR See Schreiman JS
- Crass JR: computer-generated examinations for residents in radiology, *AJR* 1986; 146: 413
- Crass JR; Craig EV; Feinberg SB: hyperextended internal rotation view in rotator cuff ultrasonography, *JCU* 1987; 15: 416
- Crass JR; Craig EV; Feinberg SB: sonography of the postoperative rotator cuff, *AJR* 1986; 146: 561
- Crass JR; Craig EV; Feinberg SB: ultrasonography of rotator cuff tears: a review of 500 diagnostic studies, *JCU* 1988; 16: 313
- Crass JR; Pozniak MA; Baumann JL; et al: device to aid in ultrasound imaging, *JCU* 1987; 15: 211
- Crass JR; van de Vegte GL; Harkavy LA: tendon echogenicity: ex vivo study, *Radiology* 1988; 167: 499
- Crass R See Yen C-K
- Crausaz FM; Favez G: aspiration of solid food particles into lungs of patients with gastroesophageal reflux and chronic bronchial disease, (ab), *Radiology* 1988; 168: 587
- Craven JD See Shukla SS
- Craven MB See Yankaskas BC
- Craver JM See Cheung EH
- Crawford AH See Kraus RA
- Crawford CWS See Skowronski GA
- Crawford DC; Drake DP; Kwiatkowski D; et al: prenatal diagnosis of reversible cardiac hypoplasia associated with congenital diaphragmatic hernia: implications for postnatal management, *JCU* 1986; 14: 718
- Crawford ES; Beckett WC; Green MS: juxtarenal infrarenal abdominal aortic aneurysm: special diagnostic and therapeutic considerations, (ab), *Radiology* 1986; 161: 860
- Crawford FA See Simpson WF Jr
- Crawford JS; Harilaad L; McGowan L; Rogers CC: paraortic lymph node irradiation in cervical carcinoma without prior lymphadenectomy, *Radiology* 1987; 164: 255
- Crawford S See Pollei SR
- Crawford SC; Boyer RS; Harnsberger HR; et al: disorders of histogenesis: the neurocutaneous syndromes, *Semin US CT MR* 1988; 9: 247
- Crawford SC; Cornell SH; Franken EA Jr: general case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 1178
- Crawford WO Jr See Wagner RB
- Crawley AP See Kucharczyk W
- Crawley AP; Henkelman RM: comparison of one-shot and recovery methods in T1 imaging, *Magn Res Med* 1988; 7: 23
- Crawley AP; Henkelman RM: errors in T2 estimation using multislice multiple-echo imaging, *Magn Res Med* 1987; 4: 34
- Crawley EO See Compston JE
- Crawshaw IP See Dawes PJDK
- Crea F; Abela GS; Fenech A; et al: transluminal laser irradiation of coronary arteries in live dogs: angiographic and morphologic study of acute effects, (ab), *Radiology* 1986; 161: 286
- Creagh MF; Numan TO: positive gallium-67 citrate uptake in a patient with polystyrene fibrous dysplasia, *Clin Nucl Med* 1988; 13: 241
- Creagh-Barry M; Adam EJ; Joseph AEA: value of oblique scans in the ultrasonic examination of the abdominal aorta, *Clin Radiol* 1986; 37: 239
- Crean PA; Pratt T; Davies GJ; et al: fractional distribution of the cardiac output in man using microspheres labelled with technetium 99m, *Br J Radiol* 1986; 59: 209
- Cregier L See Cucco RA
- Cremier M See Delhaye M
- Cremers WRJ; Hombbergen GCHJ; Scaf JJ; et al: X-linked progressive mixed deafness with perilymphatic gusher during stapes surgery, (ab), *Radiology* 1986; 158: 573
- Cremin BJ See Fisher RM
- Cremin BJ See Lamont AC
- Cremin BJ See Lipinski JK
- Cremin BJ See Oleszczuk-Raszke K
- Cremin BJ: radiological imaging of urogenital tuberculosis in children with emphasis on ultrasound, *Pediatr Radiol* 1987; 17: 34
- Cremin BJ: review of the ultrasonic appearances of posterior urethral valve and ureteroceles, *Pediatr Radiol* 1986; 16: 357
- Cremin BJ: Wilms' tumour: ultrasound and changing concepts, *Clin Radiol* 1987; 38: 465
- Cremin BJ; Brown RA: carcinoma of the colon: diagnosis by ultrasound and enema, *Pediatr Radiol* 1987; 17: 319
- Cremin BJ; Ross JL: case report 386, *Skeletal Radiol* 1986; 15: 495
- Cremin BJ; Solomon DJ: ultrasonic diagnosis of diaphragmatic hernia, *Pediatr Radiol* 1987; 17: 469
- Cremin BJ; Viljoen DL; Wynchank S; et al: Proteus syndrome: the magnetic resonance and radiological features, *Pediatr Radiol* 1987; 17: 486
- Cremin BJ; Wynchank S: MRI of multiple limb amputations in a child, *Australas Radiol* 1987; 31: 202
- Cremonini D See Becciolini A
- Cremonesi E See Harrison D
- Crepps JT See Pappas D
- Crescenzi A See De Luca F
- Creteur V See Levine MS
- Creutzfeldt H; Schober O; Gielow P; et al: cerebral dynamics of N-isopropyl-(123)iodoamphetamine, *J Nucl Med* 1986; 27: 178
- Cridzen FC See Valk J
- Crisland S See Sealy R
- Crim JR; Bassett LW; Gold RH; et al: spinal neuroarthropathy after traumatic paraplegia, *AJNR* 1988; 9: 359
- Crisi G See Calo M
- Crisi G; Calo M; Mauri C: case report 358, *Skeletal Radiol* 1986; 15: 247
- Crist DW See Scatarige JC
- Crist DW; Fishman EK; Scatarige JC; et al: acute diverticulitis of the cecum and ascending colon diagnosed by computed tomography, (ab), *Radiology* 1988; 168: 586
- Critchley M See Auger MJ
- Critchley M; Brownless S; Patten M; et al: radionuclide imaging of epithelial ovarian tumours with ¹²⁵I-labelled monoclonal antibody (H317) specific for placental-type alkaline phosphatase, *Clin Radiol* 1986; 37: 167

- Crittenden M See Shorr RM
 Crivello M See Hann LE
 Crivello MS; Hayes C; Thurer RL; et al: traumatic pulmonary artery aneurysm: CT evaluation, *JCAT* 1986; 10: 503
 Crivello MS; Peterson IM; Austin RM: left lobe of the liver mimicking perisplenic collections, *JCU* 1986; 14: 697
 Crivello MS; Porter DH; Kim D; et al: isolated external iliac artery aneurysm secondary to cystic medial necrosis, *Cardiovasc Intervent Radiol* 1986; 9: 139
 Croce F See Rizzatto G
 Croce F See Solbiati L
 Crocker EF See Feigen M
 Crockett MP; Kerr IH: relapsing polychondritis, *Clin Radiol* 1988; 39: 386
 Crofford MJ See McArdle CB
 Crofford MJ See Mirfakhraee M
 Croll MN See Slizofski WJ
 Cromack DT See Norton JA
 Crompton GK See Going JJ
 Cromwell LD See Porter BA
 Cromwell LD; Freeny PC; Kerber CW; et al: histologic analysis of tissue response to Buckylate-Pantopaque mixture, *AJR* 1986; 147: 627
 Cronan JJ See Amis ES Jr
 Cronan JJ See Denny DF Jr
 Cronan JJ See Dorfman GS
 Cronan JJ See Kane NM
 Cronan JJ See Lambiasi RE
 Cronan JJ See Silliker MS
 Cronan JJ See Tupper TB
 Cronan JJ See Zeman RK
 Cronan JJ: imaging of choledocholithiasis, *Semin US CT MR* 1987; 8: 75
 Cronan JJ: US diagnosis of choledocholithiasis: reappraisal, *Radiology* 1986; 161: 133
 Cronan JJ; Amis ES Jr; Scolia FH; Schepps B: renal obstruction in patients with ileal loops: US evaluation, *Radiology* 1986; 158: 647
 Cronan JJ; Amis ES Jr; Zeman RK; Dorfman GS: obstruction of the upper-pole moiety in renal duplication in adults: CT evaluation, *Radiology* 1986; 161: 17
 Cronan JJ; Dorfman GS; Grusmark J: lower-extremity deep venous thrombosis: further experience with and refinements of US assessment, *Radiology* 1988; 168: 101
 Cronan JJ; Dorfman GS; Scolia FH; Schepps B; Alexander J: deep venous thrombosis: US assessment using vein compression, *Radiology* 1987; 162: 191
 Cronan JJ; Espinoza AR; Dorfman GS; Riden MS; Paoliello LP: cavernous hemangioma of the liver: role of percutaneous biopsy, *Radiology* 1988; 166: 135
 Crone M; Watt I: lump on the thigh, *Br J Radiol* 1987; 60: 1035
 Crone-Escany M-C See Anghileri LJ
 Crone-Munzebrock W; Heller M: computed tomography of the scapula, *Eur J Radiol* 1986; 6: 99
 Crone-Munzebrock W; Spielmann RP: quantification of recalcification of irradiated vertebral body osteolyses by dual-energy computed tomography, *Eur J Radiol* 1987; 7: 1
 Cronin EB See Jacobson AF
 Cronin EB; Williams WH; Tow DE: radionuclide imaging in a case of tertiary syphilis involving the liver and bones, *J Nucl Med* 1987; 28: 1047
 Cronin TG; Shippey DU: bilateral interhemispheric subdural hematomas: a case report, *AJNR* 1987; 8: 909
 Cronqvist S See Larsson E-M
 Crook AD; Silver RM: tumoral calcinosis presenting as adhesive capsulitis: case report and literature review, (ab), *Radiology* 1987; 165: 590
 Crook J See Mazon J-J
 Crook J; Mazon J-J; Marinello G; et al: combined external irradiation and interstitial implantation for T1 and T2 epidermoid carcinomas of base of tongue: the Creteil experience (1971-1981), *Int J Radiat Oncol Biol Phys* 1988; 15: 105
 Crook JM See Esche BA
 Crooks L See Hartshorne MF
 Crooks LE See Carlson J
 Crooks LE See Feinberg DA
 Crooks LE See Margulis AR
 Crooks LE See Marotti M
 Crooks LE See Mills TC
 Crooks LE See Schmiedl U
 Crooks LE See Valk PE
 Crooks LE See Winkler ML
 Crooks LE; Arakawa M; Hylton NM; Avram H; Hoenninger J; Watts JC; Hale JD; Kaufman L: echo-planar pediatric imager, *Radiology* 1988; 166: 157
 Crooks LE; Hylton NM; Orrendahl DA; et al: value of relaxation times and density measurements in clinical MRI, *Invest Radiol* 1987; 22: 158
 Crooks LE; Kelley D: high-temperature superconductors: will new materials take the chill off our magnets?, *AJR* 1987; 149: 223
 Crosbie DC; Carney PG; Sage MR: sacral neurofibrosarcoma—case report, *Australas Radiol* 1986; 30: 54
 Cross G; Woodring JH: inferior pulmonary ligament lymphadenopathy: demonstration by computed tomography, *CT* 1987; 11: 303
 Crossen J See Tihansky DP
 Crossett J See Wang CJ
 Crotte E See Zingas AP
 Crouch TT See Dixon GD
 Crouzet G See Charachon R
 Crouzet G; Cinquin AM; Camuset JP; et al: anatomie de la region sellaire en IRM (MRI anatomy of the sellar region), *J Neuroradiol* 1986; 13: 73
 Crowell RM See Jafar JJ
 Crowley AR See Smith AD
 Crowley WF See Hall DA
 Cruces J See Lufkin RB
 Cruces JV III See Mink JH
 Cruces JV III See Shellock FG
 Cruces JV III See Stein MG
 Cruces JV III See Stoller DW
 Cruces JV III; Mink JH; Levy TL; Lotysch M; Stoller DW: meniscal tears of the knee: accuracy of MR imaging, *Radiology* 1987; 164: 445
 Cruickshank D See Harrison D
 Crum LA See Coleman A
 Crum LA See Daniels S
 Crum LA; Daniels S; ter Haar GR; et al: ultrasonically induced gas bubble production in agar based gels: part II, theoretical analysis, *Ultrasound Med Biol* 1987; 13: 541
 Crum LA; Walton AJ; Mortimer A; et al: free radical production in amniotic fluid and blood plasma by medical ultrasound, *J Ultrasound Med* 1987; 6: 643
 Crummy AB See Bennett LN
 Crummy AB See McDermott JC
 Crummy AB See Voegeli DR
 Cruse RP See Smith AS
 Cruz C; Hricak H; Samhoury F; Smith RF; Eyler WK; Levin NW: contrast media for angiography: effect on renal function, *Radiology* 1986; 158: 109
 Cruz FS Jr See Ney C
 Cruz R See Pulpeiro JR
 Cucci K See Toth Z
 Cu CS See Olive FL
 Cubberley DA See Brar MK
 Cubberley DA See Remley KB
 Cubberley DA See vanSonnenberg E
 Cubelli V See Lee WJ
 Cucco RA; Yoo OH; Creger L; et al: non-fatal pulmonary edema after "freebase" cocaine smoking, (ab), *Radiology* 1988; 166: 586
 Cucu A See Mircea PA
 Cuervas-Mons V See Dominguez R
 Cugell DW See Sider L
 Cuka DJ See Lieberman RP
 Culham JAG See LeBlanc JG
 Culham JAG See Mathieson JR
 Culham JAG See Mayo J
 Culham JAG See Müller NL
 Culham JAG See Vince DJ
 Culkin DJ; Wheeler JS Jr; Canning JR: distal ureteral obstruction complicating percutaneous nephrolithotomy, (ab), *Radiology* 1988; 167: 293
 Culkin DJ; Wheeler JS Jr; Canning JR: nephro-duodenal fistula: complication of percutaneous nephrolithotomy, (ab), *Radiology* 1986; 158: 858
 Cullen GM See Lye DJ
 Cullen J See Nitsch B
 Cullen RJ See Gilbert RW
 Cullenward MJ See Pozniak MA
 Cullenward MJ; Scanlan KA; Pozniak MA; Acher CA: inflammatory aortic aneurysm (periaortic fibrosis): radiologic imaging, *Radiology* 1986; 159: 75
 Cullinan JA: prenatal ultrasound: a color atlas with anatomic and pathologic correlation, *Radiology* 1988; 168: 388
 Culp PJ; Cowan RJ: demonstration of vesicocolonic fistula after Lasix administration, *Clin Nucl Med* 1987; 12: 965
 Cumberland DC See Gaines PA
 Cumberland DC See Sanborn TA
 Cumberland DC; Taylor DJ; Procter AE: laser-assisted percutaneous angioplasty: initial clinical experience in peripheral arteries, *Clin Radiol* 1986; 37: 423
 Cumming WA See Miles SG
 Cumming WA See Williams JL
 Cumming WA; Akhtar M; Ferentzi C; et al: cricopharyngeal ring: case report, *Pediatr Radiol* 1986; 16: 152
 Cumming WA; Sabbah R: large unilateral chest tumors in children, (ab), *Radiology* 1986; 159: 576
 Cummings BJ See Hamilton CR
 Cummings BJ See Wong CS
 Cummings RG See Leung CY
 Cummings T See Raptopoulos V
 Cunha B See Shabas D
 Cunningham BE See Grabowski WS
 Cunningham C See Norwood HM
 Cunningham I See Weisbrod GI
 Cunningham IA; Hobbs BB; Fenster A: new system for quantitative arterial imaging and blood flow measurements, *Invest Radiol* 1986; 21: 465
 Cunningham J See Stanley JM
 Cunningham JJ See Marx MV
 Cunningham JR: dosimetric principles, *Radiographics* 1988; 8: 785
 Cunningham M See Schwab H
 Cunningham MB See Zeman RK
 Cunningham MJ; Curtin HD; Butkiewicz BL: histiocytosis X of the temporal bone: CT findings, *JCAT* 1988; 12: 70
 Cunningham W See Kilcoyne RF
 Cuppen JJM See In den Kleef JJE
 Cupps RE See Smalley SR
 Curati WL See Worthington BS
 Curati WL; Graif M; Kingsley DPE; et al: MRI in acoustic neuroma: review of 35 patients, *Neuroradiol* 1986; 28: 208
 Curati WL; Graif M; Kingsley DPE; Niendorf HP; Young IR: acoustic neuromas: Gd-DTPA enhancement in MR imaging, *Radiology* 1986; 158: 447
 Curati WL; Halevy A; Gibson RN; et al: ultrasound, CT, and MRI comparison in primary and secondary tumors of the liver, *Gastrointest Radiol* 1988; 13: 123
 Curatolo P See Kane RA
 Curless RG See Post MJD
 Curries JT See Farzaneh F
 Curries JT: MR imaging of peripheral intracranial neoplasms: extraaxial vs intraaxial masses, *JCAT* 1987; 11: 932
 Curries JT; Banning BC; Robards JB: cranial computed tomography in the morbidly obese patient, *JCAT* 1987; 11: 920
 Curries JT; Laster DW; Ball MR; et al: magnetic resonance imaging of radiation injury to the brain, *AJNR* 1986; 7: 389
 Curries JT; Laster DW; Koubeck TD; et al: MRI of corpus callosal syndromes, *AJNR* 1986; 7: 617
 Curran JG; Ryan MJ: Hodgkin's disease in a patient with polysplenia, *Br J Radiol* 1987; 60: 929
 Curran JJ See Drane WE
 Curran WJ See Grossman RI
 Curran WJ; Hackney DB; Blitzer PH; et al: value of magnetic resonance imaging in treatment planning of nasopharyngeal carcinoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 2189
 Curran WJ; Hecht-Leavitt C; Schut L; et al: magnetic resonance imaging of cranial radiation lesions, *Int J Radiat Oncol Biol Phys* 1987; 13: 1093
 Curran WJ Jr See Hecht-Leavitt C
 Curran WJ Jr; Littman P; Raney RB: interstitial radiation therapy in the treatment of childhood soft-tissue sarcomas, *Int J Radiat Oncol Biol Phys* 1988; 14: 169
 Currarino G See Kirks DR
 Currarino G See Rollins NK
 Currarino G: canalis basisilaris medianus and related defects of the basiocciput, *AJNR* 1988; 9: 208
 Currarino G: large prostatic utricle and related structures, urogenital sinus and other forms of urethrovaginal confluence, (ab), *Radiology* 1987; 163: 840
 Currarino G: unusual bone dysplasia featuring severe platyspondyly and vertebral "coronal cleft" in infancy, and changes of metaphyseal chondrodysplasia in childhood, *Pediatr Radiol* 1988; 16: 433
 Currarino G; Friedman JM: severe craniofacial sclerosis with multiple anomalies in a boy and his mother, *Pediatr Radiol* 1986; 16: 441
 Currarino G; Rutledge JC: temporoparietal dermoid cysts with intracranial extension, *AJNR* 1988; 9: 385
 Currarino G; Williams B; Reich JS: linear growth of the thoracic spine in chest roentgenograms from birth to 16 years, *Skeletal Radiol* 1986; 15: 628
 Currie CM See Freeman MP
 Currie DC; Cooke JC; Morgan AD; et al: interpretation of bronchograms and chest radiographs in patients with chronic sputum production, (ab), *Radiology* 1988; 166: 585
 Currie DC; Goldman JM; Cole PJ; et al: comparison of bronchograms after instillation of contrast medium via fiberoptic bronchoscope and nasal catheter, (ab), *Radiology* 1988; 168: 292
 Currie DC; Goldman JM; Cole PJ; et al: comparison of narrow section computed tomography and plain chest radiography in chronic allergic bronchopulmonary aspergillosis, *Clin Radiol* 1987; 38: 593
 Curry NS See Moore L
 Curry NS: diagnostic imaging of the lower genitourinary tract, *Radiology* 1986; 158: 366

- Curry NS; Frangos DN; Stanley JH: thrombosed right renal vein varix simulating a renal pelvic mass, *Urol Radiol* 1987; 9: 36
- Curry NS; Frangos DN; Tague DF: computed tomography of end-stage renal transplant rejection, *CT* 1986; 10: 51
- Curry NS; O'Connor KF; Tubbs CO: scrotal cystocele diagnosed by computed tomography, *Urol Radiol* 1988; 9: 247
- Curry NS; Schabel SI; Betsill WL Jr: small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, *Radiology* 1986; 158: 113
- Curry NS; Schabel SI; Betsill WL Jr: small renal neoplasms: diagnostic imaging, pathologic features, and clinical course: reply, *Radiology* 1986; 159: 817
- Curry T See Preminger GM
- Curry TS III See Schultz SM
- Curstedt T See Mortensen W
- Curtin HD See Cunningham MJ
- Curtin HD See Som PM
- Curtin HD See Zinreich SJ
- Curtin HD: pseudotumor, *Radiol Clin North Am* 1987; 25: 583
- Curtin HD: separation of the masticator space from the parapharyngeal space, *Radiology* 1987; 163: 195
- Curtin HD; Jensen JE; Barnes L Jr; May M: "ossifying" hemangiomas of the temporal bone: evaluation with CT, *Radiology* 1987; 164: 631
- Curtis AM See Coppage L
- Curtis DJ See Downey EF Jr
- Curtis DJ: radiology of the acute abdomen, *Radiology* 1987; 164: 36
- Curtis DJ; Riordan DD; Brower AC; et al: testing as a teaching tool, *Invest Radiol* 1988; 23: 151
- Curtis HW See Hall FM
- Curtis JA; Watson L: sonographic diagnosis of omphalocele in the first trimester of fetal gestation, *J Ultrasound Med* 1988; 7: 97
- Curtis JC See Helpern JA
- Curtis PB; Ferrell WR; Hillman BJ: improved imaging diagnosis by sequentially combined confidence judgments, *Invest Radiol* 1988; 23: 342
- Curto LT: results of the RSNA Today subscriber survey, *Radiology* 1988; 168: 870
- Curto LT; Siegelman SS: editor's page: the Christmas rush: an analysis of RSNA meeting papers, *Radiology* 1988; 169: 86
- Cusack A See Mothersill C
- Cusack A See Seymour CB
- Cush JJ; Medger TA Jr; Christy WC; et al: adult-onset Still's disease: clinical course and outcome, (ab), *Radiology* 1987; 164: 886
- Cusma JT See Hasegawa BH
- Cusmano F; Savazzi GM: cerebral computed tomography in uremic and hemodialyzed patients, *JCAT* 1986; 10: 567
- Custer PL; Tenzel RR; Kowalczyk AP: blepharochalasis syndrome, (ab), *Radiology* 1986; 158: 572
- Cutcliffe WB See Schwartz DE
- Cuthbert NW See Proto AV
- Cutliffe AG; Morris AH; Ailion DC; et al: quantitative assessment of pulmonary edema by nuclear magnetic resonance methods, *J Thorac Imag* 1988; 3-3: 51
- Cutler GB See Doppman JL
- Cutler GB Jr See Doppman JL
- Cutler GB Jr See Dwyer AJ
- Cutler GB Jr See Saris SC
- Cuttat JF See Steinhausen CA
- Cuttino JT Jr See Matsumoto AH
- Cuttino JT Jr See Vigliani CA
- Cuttino JT Jr: diagnostic imaging in clinical medicine, 3d ed., *Radiology* 1986; 158: 778
- Cuttino JT Jr: radiologic diagnosis of renal transplant complications, *Radiology* 1987; 164: 362
- Cuttino JT Jr: Whither general radiology?, *Invest Radiol* 1987; 22: 916
- Cuttino JT Jr; Clark RL: bilateral ureteral obstruction caused by a Foley balloon in a patient with a contracted bladder, *AJR* 1987; 149: 1197
- Cuttino JT Jr; Clark RL: urothelial microvascular response to chronic renal inflammatory disease, *Urol Radiol* 1988; 10: 68
- Cuttino JT Jr; Clark RL; Feaster SH; et al: evaluation of gross hematuria in anticoagulated patients: efficacy of IV urography and cystoscopy, *AJR* 1987; 149: 527
- Cuttino JT Jr; Scatliff JH: resident performance evaluation, *Invest Radiol* 1987; 22: 986
- Cuttino JT Jr; Scatliff JH: uniform acceptance date for resident recruitment, *Invest Radiol* 1986; 21: 170
- Caveller C See Afschrift M
- Cyjon A See Lubin E
- Cyr DR See Bertino RE
- Cyr DR See Lenke RR
- Cyr DR See Nyberg DA
- Cyr DR See Schoenecker SA
- Cyr DR; Guntheroth WG; Mack LA; et al: systematic approach to fetal echocardiography using real-time/two-dimensional sonography, *J Ultrasound Med* 1986; 5: 343
- Cyr DR; Guntheroth WG; Nyberg DA; et al: prenatal diagnosis of an intrapericardial teratoma: a cause for nonimmune hydrops, *J Ultrasound Med* 1988; 7: 87
- Cyr DR; Mack LA; Nyberg DA; Shepard TH; Shuman WP: fetal rhombencephalon: normal US findings, *Radiology* 1988; 166: 691
- Cyr DR; Mack LA; Schoenecker SA; Patten RM; Shepard TH; Shuman WP; Moss AA: bowel migration in the normal fetus: US detection, *Radiology* 1986; 161: 119
- Cyrlak D See Milne ENC
- Cyrlak D: induced costs of low-cost screening mammography, *Radiology* 1988; 168: 661
- Cyrlak D; Pais MJ: chronic recurrent multifocal osteomyelitis, *Skeletal Radiol* 1986; 15: 32
- Czajka J See Lee JK
- Czajka J See Manco LG
- Czarnecki D See Tolly TL
- Czarnecki DJ See Schroeder BA
- Czarnecki DJ: intraperitoneal hemorrhage diagnosed by technetium-99m labeled RBC imaging, *Clin Nucl Med* 1986; 11: 617
- Czarnecki DJ; Schroeder BA; Sty JR: calcinosis of childhood dermatomyositis with gluceptone angiogram, *Clin Nucl Med* 1987; 12: 675
- Czemberek H See Hajek PC
- Czerniak A See Zwas ST
- Czerniak A; Thompson JN; Hemingway AP; et al: hemobilia: a disease in evolution, (ab), *Radiology* 1988; 169: 585
- Czervionke JM See Czervionke LF
- Czervionke L See Ramsey RG
- Czervionke LF See Breger RK
- Czervionke LF See Daniels DL
- Czervionke LF See Houghton VM
- Czervionke LF; Czervionke JM; Daniels DL; et al: characteristic features of MR truncation artifacts, *AJNR* 1988; 9: 815
- Czervionke LF; Daniels DL: cervical spine anatomy and pathologic processes: applications of new MR imaging techniques, *Radiol Clin North Am* 1988; 26: 921
- Czervionke LF; Daniels DL; Ho PSP; et al: MR appearance of gray and white matter in the cervical spinal cord, *AJNR* 1988; 9: 557
- Czervionke LF; Daniels DL; Ho PSP; Yu S; Pech F; Strandt J; Williams AL; Houghton VM: cervical neural foramina: correlative anatomic and MR imaging study, *Radiology* 1988; 169: 753
- Czervionke LF; Daniels DL; Meyer GA; et al: neuroepithelial cysts of the lateral ventricles: MR appearance, *AJNR* 1987; 8: 609
- Czitrom AA See Fornasier VL
- D
- Dachman AH See Olmsted WW
- Dachman AH See Ros FR
- Dachman AH; Nichols J; Patrick DH; et al: natural history of the obstructed rabbit appendix: observations with radiography, sonography, and CT, *AJR* 1987; 148: 281
- Dachman AH; Pakter RL; Ros FR; Fishman EK; Goodman ZD; Lichtenstein JE: hepatoblastoma: radiologic-pathologic correlation in 50 cases, *Radiology* 1987; 164: 15
- Dachman AH; Ros FR; Goodman ZD; et al: nodular regenerative hyperplasia of the liver: clinical and radiologic observations, *AJR* 1987; 148: 717
- Dachman AH; Ros FR; Muzari PJ; et al: nonparasitic splenic cysts: report of 52 cases with radiologic-pathologic correlation, *AJR* 1986; 147: 537
- Dachman AH; Ros FR; Shekita KM; Buck JL; Olmsted WW; Hinton CB: colorectal hemangioma: radiologic findings, *Radiology* 1988; 167: 31
- Dacie JE See Daniell SJN
- Dadourian BA See Strauss RH
- Dadourian BJ See Krivokapich J
- Dadparvar S See Slizofski WJ
- Dadsetan T See George B
- Dae MW See Botvinick EH
- Daffner RH See Dash N
- Daffner RH See Deeb ZL
- Daffner RH See Hoang T-A
- Daffner RH See Mainwaring BL
- Daffner RH See Rothfus WE
- Daffner RH See Sharma P
- Daffner RH See Tabas JH
- Daffner RH; Dash N; Khoury MB; Lupetin AR; Rothfus WE: diagnostic radiology: Anglo-American textbook of imaging, 3 vols., *Radiology* 1987; 162: 616
- Daffner RH; Deeb ZL; Rothfus WE: "fingerprints" of vertebral trauma—a unifying concept based on mechanisms, *Skeletal Radiol* 1986; 15: 518
- Daffner RH; Deeb ZL; Rothfus WE: posterior vertebral body line: importance in the detection of burst fracture, *AJR* 1987; 148: 93
- Daffner RH; Deeb ZL; Rothfus WE: pseudofractures of the cervical vertebral body, *Skeletal Radiol* 1986; 15: 295
- Daffner RH; Deeb ZL; Rothfus WE: thoracic fractures and dislocations in motorcyclists, *Skeletal Radiol* 1987; 16: 280
- Daffner RH; Foss DE: antibiotic-containing acrylic beads: radiographic appearances, *AJR* 1987; 149: 123
- Daffner RH; Khoury MB: pseudofractures due to Nec-Loc cervical immobilization collar, *Skeletal Radiol* 1987; 16: 460
- Daffner RH; Linetky L; Zabkar JH: case report 433, *Skeletal Radiol* 1987; 16: 428
- Daffner RH; Lupetin AR; Dash N; et al: MRI in the detection of malignant infiltration of bone marrow, *AJR* 1986; 146: 353
- Daffner RH; Riemer BL; Lupetin AR; et al: magnetic resonance imaging in acute tendon ruptures, *Skeletal Radiol* 1986; 15: 619
- Dafos DC See Shulkin BI
- Dafos DC See Woolsey EJ
- Dagher AF See Hruban RH
- D'Agosta A See Gaetani SA
- Dahl CM See Maaki P
- Dahl JR See Myers WG
- Dahl O: testicular carcinoma: curable malignancy, (ab), *Radiology* 1986; 158: 576
- Dahlback O See Ekholm SE
- Dahlberg W See Weichselbaum RR
- Dahnert W See Mitchell DG
- Dahnert WF See Hamper UM
- Dahnert WF See Sanders RC
- Dahnert WF; Hamper UM; Eggleston JC; Walsh PC; Sanders RC: prostatic evaluation by transrectal sonography with histopathologic correlation: echogenic appearance of early carcinoma, *Radiology* 1986; 158: 97
- Dahnert WF; Hamper UM; Walsh PC; Eggleston JC; Sanders RC: echogenic focus in prostatic sonograms, with xeroradiographic and histopathologic correlation, *Radiology* 1986; 159: 95
- Dahniya MH: Paget's disease of bone in Africans, *Br J Radiol* 1987; 60: 113
- Dalif AK See Yaqub BA
- Dailley RA See Shimac GK
- Daily DK See Maulik D
- Daimaru Y; Kido H; Hashimoto H; et al: benign schwannoma of the gastrointestinal tract: a clinicopathologic and immunohistochemical study, (ab), *Radiology* 1988; 168: 586
- Daintith HAM See Hawkey CJ
- Dake MD See Ling MCC
- Dakhil SR See Housholder DF
- Dalakas MC See Hatazawa J
- Dale L See Sand T
- Dale LG See Anda S
- Dale RG: application of the linear-quadratic model to fractionated radiotherapy when there is incomplete normal tissue recovery between fractions, and possible implications for treatments involving multiple fractions per day, *Br J Radiol* 1986; 59: 919
- Dale RG; Huczkowski J; Trott KR: possible dose rate dependence of recovery kinetics as deduced from a preliminary analysis of the effects of fractionated irradiations at varying dose rates, *Br J Radiol* 1988; 61: 153
- Dalen K; Day DL; Ascher NL; et al: imaging of vascular complications after hepatic transplantation, *AJR* 1988; 150: 1285
- Dallesandri KM; Lantz BMT; vasoactivity of verapamil in the canine hindlimb and sympathetic nervous system interaction, *Acta Radiol* 1987; 28: 649
- Dallesandri KM; Lantz BMT; Palmaz JC: effect of lumbar sympathectomy on postsynaptic vascular smooth muscle response in the lower limb in dogs, *Cardiovasc Intervent Radiol* 1988; 11: 82
- Daley C See Goodman PC
- Dalvin FY See Bruneton JN
- Dalinka MK See Burk DL Jr
- Dalinka MK See Cohen EK
- Dalinka MK See Coleman BG
- Dalinka MK See Epstein DM
- Dalinka MK See Fobben ES
- Dalinka MK See Glickstein MF
- Dalinka MK See Grenier N
- Dalinka MK See Mintz MC
- Dalinka MK See Mitchell DG
- Dalinka MK See Ortega W
- Dalinka MK See Pollack MS
- Dalinka MK See Rafto SE
- Dalinka MK See Rao VM
- Dalinka MK See Spritzer CE
- Dalla-Palma L; Stacul F; Porzi-Mucelli RS; et al: impact of technology and technique on the performance of the intravenous D.S.A. of the carotid arteries, *Eur J Radiol* 1986; 6: 73

Dallas

- Dallas WJ See Seeley GW
- Dalley RW; Robertson WD; Lapointe JS; et al: computed tomography of a cerebellopontine angle lipoma, *JCAT* 1986; 10: 704
- Dalley RW; Robertson WD; Nugent RA; et al: computed tomography of anterior inferior cerebellar artery aneurysm mimicking an acoustic neuroma, *JCAT* 1986; 10: 881
- Dalley RW; Robertson WD; Nugent RA: computed tomography of calvarial and petrous bone sarcoidosis, *JCAT* 1987; 11: 884
- D'Alonzo WA Jr; Alavi A: detection of deep venous thrombosis by indium-111 leukocyte scintigraphy, *J Nucl Med* 1986; 27: 631
- D'Alotto C; Fels DM; Rankin RN: comparison of angiography, intravenous digital subtraction angiography and duplex ultrasound in the diagnosis of carotid artery atherosclerosis, (ab), *Radiology* 1986; 159: 574
- Dal Pozzo G See Taverni N
- Dal Pozzo G; Bozza A; Fagnoli R; et al: CT identification of celiac ganglia, (ab), *Radiology* 1986; 158: 567
- Dal Pozzo GC See Tanfani G
- Dalsey WJ See Wason S
- Dalton AJ See Wisniewski KE
- Dalton D See Kucich VA
- Dalton JF See Kalnicki S
- D'Altorio R See Poe BM
- D'Altorio RA See Boyadjis TA
- D'Altorio RA; Budde RB Jr: ocular melanoma with retinal detachment: double density sign on CT, *Comput Med Imag Graph* 1988; 12: 177
- Daltroy LH See Roberts WN
- Daly B See Towers MJ
- Daly BD; Grainger R; Butler MR: bilateral ureteric carcinoma, *Clin Radiol* 1988; 39: 330
- Daly BDT See Shapiro MP
- Daly CP See Martin JF
- Daly D See Reuter KL
- Daly D See Silberstein EB
- Daly D: "hair-on-end" pattern in the skull, *Semin Roentgenol* 1987; 22: 144
- Daly J; Fitzgerald T; Simpson CJ: pre-operative intravenous cholangiography as an alternative to routine operative cholangiography in elective cholecystectomy, *Clin Radiol* 1987; 38: 161
- Daly JM; Kemenuy N; Sigurdson E; et al: regional infusion for colorectal hepatic metastases: a randomized trial comparing the hepatic artery with the portal vein, (ab), *Radiology* 1988; 167: 290
- Daly FF See Lyon RC
- Damadani D See Ruszkowski JT
- Damber L See Rasmussen T
- Damber LA; Larson L-G: lung cancer in males and type of dwelling: an epidemiologic pilot study, *Acta Oncol* 1987; 26: 211
- D'Ambrasio FG; Shiu MH; Brennan MF: intrapulmonary presentation of extraskelatal myxoid chondrosarcoma of the extremity: report of two cases, (ab), *Radiology* 1987; 163: 293
- D'Amico G See Cottone M
- Damidaux J See Thivolle P
- D'Amour F See Picard D
- D'Amour FG See Augustyn GT
- D'Amour PG See Rippe DJ
- Dan SJ See Gould J
- Dan SJ See Mitty HA
- Dan SJ See Rackson ME
- Dan SJ See Train JS
- Dan SJ; Train JS; Mitty HA; et al: angiography in the in situ saphenous vein bypass, *AJR* 1986; 147: 51
- Danais S See Eybalin M-C
- Danchin N See Boulay F
- Danchin N; Le Helloco A; Amrein D; et al: two-dimensional echocardiographic detection of a left sinus of Valsalva aneurysm, *JCU* 1987; 15: 479
- Dancourt F; Delcos L; Wharton JT; et al: primary squamous cell carcinoma of the vagina treated by radiotherapy: a failures analysis—the M. D. Anderson Hospital experience 1955-1982, *Int J Radiat Oncol Biol Phys* 1988; 14: 745
- Dandekar N See Otto R
- D'Andrea F See Dore R
- Daneman A See Alton DJ
- Daneman A See Babyn PS
- Daneman A See Cohen EK
- Daneman A See Davies CH
- Daneman A See Gu L
- Daneman A See Liu P
- Daneman A See Stringer DA
- Daneman A: adrenal neoplasms in children, *Semin Roentgenol* 1988; 23: 205
- Danet B See Simon J
- Danher J; Campbell H; Mendelson RM: case report: atypical presentation of emphysema of the gall bladder, *Clin Radiol* 1987; 38: 655
- Daniel T See Shih W-J
- Daniel TM See Black WC
- Daniel TM See de Lange EE
- Daniel TM See Gay SB
- Daniell SJN; Dacie JE: percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, *Radiology* 1988; 169: 280
- Daniels DL See Breger RK
- Daniels DL See Czervionke LF
- Daniels DL See Haughton VM
- Daniels DL See Kilgore DP
- Daniels DL See Koehler PR
- Daniels DL See Naidich TP
- Daniels DL See Pojunaas KW
- Daniels DL See Yetkin Z
- Daniels DL; Czervionke LF; Bonneville JF; et al: MR imaging of the cavernous sinus: value of spin echo and gradient recalled echo images, *AJNR* 1988; 9: 947
- Daniels DL; Czervionke LF; Breger RK; et al: "truncation" artifact in MR images of the internal auditory canal, *AJNR* 1987; 8: 793
- Daniels DL; Czervionke LF; Pech P; et al: gradient recalled echo MR imaging of the jugular foramen, *AJNR* 1988; 9: 675
- Daniels DL; Czervionke LF; Pojunaas KW; et al: facial nerve enhancement in MR imaging, *AJNR* 1987; 8: 605
- Daniels DL; Hyde JS; Kneeland JB; et al: cervical nerves and foramina: local-coil MR imaging, *AJNR* 1986; 7: 129
- Daniels DL; Kneeland JB; Foley WD; et al: cardiac gated local coil MR imaging of the carotid neck bifurcation, *AJNR* 1986; 7: 1036
- Daniels DL; Kneeland JB; Shimakawa A; et al: MR imaging of the optic nerve and sheath: correcting the chemical shift misregistration effect, *AJNR* 1986; 7: 249
- Daniels DL; Millen SJ; Meyer GA; et al: MR detection of tumor in the internal auditory canal, *AJNR* 1987; 8: 249
- Daniels DL; Pech P; Pojunaas KW; Kilgore DP; Williams AL; Haughton VM: trigeminal nerve: anatomic correlation with MR imaging, *Radiology* 1986; 159: 577
- Daniels DL; Pojunaas KW; Kilgore DP; et al: MR of the diaphragma sellae, *AJNR* 1986; 7: 765
- Daniels DL; Yu S; Pech P; et al: computed tomography and magnetic resonance imaging of the orbital apex, *Radiol Clin North Am* 1987; 25: 803
- Daniels GH See Simeone JF
- Daniels JR; Kerlan RK Jr; Dodds L; et al: peripheral hepatic arterial embolization with crosslinked collagen fibers, *Invest Radiol* 1987; 22: 126
- Daniels S See Crum LA
- Daniels S; Blondel D; Crum LA; et al: ultrasonically induced gas bubble production in agar based gels: part I, experimental investigation, *Ultrasound Med Biol* 1987; 13: 527
- Danielson B; Frennered K; Irtam L: roentgenologic assessment of spondylolisthesis: I. a study of measurement variations, *Acta Radiol* 1988; 29: 345
- Danielson GK See Alboliras ET
- Danielson K; Chernin MM; Amberg JR; et al: epiploic appendicitis: CT characteristics, *JCAT* 1986; 10: 142
- Danilewitz MD See Hesdorffer CS
- Dann J; Castronovo FF Jr; McKusick KA; et al: total bone uptake in management of metastatic carcinoma of the prostate, (ab), *Radiology* 1987; 165: 296
- Dann R See Alavi A
- Dann R See Chawluk JB
- Dannels W See Pettigrew RI
- Danoff A; Jormark S; Lorber D; et al: adrenocortical micronodular dysplasia, cardiac myxomas, lentiginos, and spindle cell tumors, (ab), *Radiology* 1987; 164: 293
- Danpure HJ See Roddie ME
- Danpure HJ; Osman S: importance of radiolabelling human granulocytes with ¹¹¹In-tropolone or ¹¹¹In-2-mercaptopyridine-N-oxide in plasma containing acid-citrate-dextrose, *Br J Radiol* 1986; 59: 907
- Danton RM See Jeans WD
- Dantzker DR See Rich S
- Danza FM; Valentini AL; Colosimo C Jr; et al: evolution of a mural thrombus in false aneurysm: CT demonstration, *JCAT* 1986; 10: 126
- Danza SM See Colavita N
- Danz J: extraintestinal manifestations of idiopathic inflammatory bowel disease, (ab), *Radiology* 1988; 168: 883
- Darby JM; Yonas H; Gur D; et al: xenon-enhanced computed tomography in brain death, (ab), *Radiology* 1987; 165: 886
- Darby JM; Yonas H; Gur D: xenon-enhanced computed tomography in brain death, (ab), *Radiology* 1988; 166: 913
- Darcourt J See Philippe L
- Darcy MD See Brazzini A
- Darcy MD See Cardella JF
- Darcy MD See Hunter DW
- Darcy MD See Smith TT
- Darcy MD; Cardella JF; Hunter DW; Smith TP; Castaneda-Zuniga WR; Lund GB; Amplatz K: experience with the Amplatz retrievable vena caval filter: work in progress, *Radiology* 1986; 161: 611
- Darcy MD; Lund GB; Smith TP; Hunter DW; Castaneda-Zuniga WR; Amplatz K: percutaneously applied ureteral clips: treatment of vesicovaginal fistula, *Radiology* 1987; 163: 819
- Darcy MD; Smith TP; Hunter DW; et al: misplacement of a vena cava filter in the retroperitoneum, *Cardiovasc Intervent Radiol* 1987; 10: 37
- Darcy MD; Smith TP; Hunter DW; et al: short-term prophylaxis of pulmonary embolism by using a retrievable vena cava filter, *AJR* 1986; 147: 836
- Darnault P See Raoul J-L
- Darnell EK; Demars RV: ultrasonographic localization of breast tissue expander valves, *J Ultrasound Med* 1987; 6: 531
- Darrow VC; Alvord EC Jr; Mack LA; et al: histologic evolution of the reactions to hemorrhage in the premature human infant's brain: a combined ultrasound and autopsy study and a comparison with the reaction in adults, (ab), *Radiology* 1988; 168: 295
- Dart DJ See Harnsberger HR
- Darwazeh NB See Maruyama Y
- Darweesh RMA See Dodds WJ
- Darweesh RMA See Kishk SMA
- Darweesh RMA; Dodds WJ; Hogan WJ; et al: fatty-meal sonography for evaluating patients with suspected partial common duct obstruction, *AJR* 1988; 151: 63
- Darweesh RMA; Thorsen MK; Dodds WJ; et al: computed tomography examination of peritumoral neoplasms, *CT* 1988; 12: 36
- Darwin R See Drayer BP
- Darwin RH; Drayer BP; Riederer SJ; Wang HZ; MacFall JR: T2 estimates in healthy and diseased brain tissue: comparison using various MR pulse sequences, *Radiology* 1986; 160: 375
- Das DK; Steinberg H; Bandyopadhyay D; et al: potential use of indium-111-labeled polymorphonuclear leukocytes for the detection of lung microvascular injury, *J Nucl Med* 1988; 29: 657
- Das L See Sharma S
- Das N See Contractor FM
- Das N See Daffner RH
- Das N See Lupetin AR
- Das N See Nguyen TH
- Das N; Lupetin AR; Daffner RH; et al: magnetic resonance imaging in the diagnosis of breast disease, *AJR* 1986; 146: 119
- Das N; Sharma P; Lupetin AR; et al: magnetic resonance imaging appearance of primary squamous cell carcinoma of the breast, *CT* 1987; 11: 359
- Dashefsky SM; Lyons AE; Levi CS; Lindsay DJ: suspected ectopic pregnancy: endovaginal and transvesical US, *Radiology* 1988; 169: 181
- D'Astous FT; Foster FS: frequency dependence of ultrasound attenuation and backscatter in breast tissue, *Ultrasound Med Biol* 1986; 12: 795
- Dastur KJ See Dross P
- Dasz S See Agamanolis DP
- Datz FL See Christian PE
- Datz FL See deVries N
- Datz FL See Fortner A
- Datz FL See Milton WJ
- Datz FL See Morton KA
- Datz FL See Paulson E
- Datz FL See Thorne DA
- Datz FL: cerebral edema following iodine-131 therapy for thyroid carcinoma metastatic to the brain, *J Nucl Med* 1986; 27: 637
- Datz FL: erythema nodosum leprosum reaction of leprosy causing the double stripe sign on bone scan: case report, *Clin Nucl Med* 1987; 12: 212
- Datz FL: radiolabeled leukocytes and platelets, *Invest Radiol* 1986; 21: 191
- Datz FL: utility of indium-111-labeled leukocyte imaging in acute acalculous cholecystitis, *AJR* 1986; 147: 813
- Datz FL; Bilotta WR: horseshoe kidney simulating acute gastrointestinal hemorrhage on technetium-99m labeled red blood cell imaging, *Clin Nucl Med* 1988; 13: 123
- Datz FL; Christian PE; Moore J: gender-related differences in gastric emptying, *J Nucl Med* 1987; 28: 1204
- Datz FL; Davis W: diagnosis of a pneumothorax on the ventilation lung scan images, *Clin Nucl Med* 1987; 12: 757
- Datz FL; Manaster BJ: case report 391, *Skeletal Radiol* 1986; 15: 566

- Datz FL; Thorne DA: cause and significance of cold bone defects on indium-111-labeled leukocyte imaging. *J Nucl Med* 1987; 28: 820
- Datz FL; Thorne DA: effect of antibiotic therapy on the sensitivity of indium-111-labeled leukocyte scans. *J Nucl Med* 1986; 27: 1849
- Datz FL; Thorne DA: effect of chronicity of infection on the sensitivity of the In-111-labeled leukocyte scan. *AJR* 1986; 147: 809
- Datz FL; Thorne DA: gastrointestinal tract radionuclide activity on In-111 labeled leukocyte imaging: clinical significance in patients with fever of unknown origin. *Radiology* 1986; 160: 635
- Daube-Witherspoon ME See Carson RE
- Daube-Witherspoon ME See Goldstein DC
- Daube-Witherspoon ME; Muehlethner G: treatment of axial data in three-dimensional PET. *J Nucl Med* 1987; 28: 1717
- Daud AB See Nuruddin RN
- Daud AB; Nuruddin RN: solitary paraventricular calcification in cerebral lupus erythematosus: a report of two cases. *Neuroradiol* 1988; 30: 84
- Daugard S See Kamby C
- Daugard S; Johansen HF; Barford G; et al: radiation treatment of giant-cell tumour of bone (osteoclastoma). *Acta Oncol* 1987; 26: 41
- Daugard S; Sundt LM; Kamby C; et al: Ewing's sarcoma: a retrospective study of prognostic factors and treatment results. *Acta Oncol* 1987; 26: 281
- Daugherty JD; Rodan BA; Bean WJ: balloon dilatation of urethral strictures. (ab). *Radiology* 1988; 168: 588
- Dauito R See Nokes SR
- Daut N; Jayasinge LSJ: cerebral torulosis: clinical features and correlation with computed tomography. (ab). *Radiology* 1986; 158: 860
- D'Auria SH See Marx M
- Daus GP See Bamberger DM
- Dautz MM; Laroche J-P; Charas C; et al: real-time B-mode ultrasonography for better specificity in the noninvasive diagnosis of deep venous thrombosis. *J Ultrasound Med* 1986; 5: 625
- Davalos A See Grau A
- D'Avanzo G See Ventruolo V
- Daves ML; aluminum bone disease in children: radiographic features from diagnosis to resolution. *Radiology* 1986; 159: 283
- Daves ML; Pryor RJ; Bowles CR: congenitally corrected transposition in the adult: detection by radionuclide angiocardiology. *Radiology* 1986; 160: 854
- Davey MJ See De Simone DN
- Davey P See Duncan W
- David C See Stark P
- David CL See Lorigan JG
- David EFL: drinking cup for double-contrast esophagography. *Radiology* 1988; 168: 564
- David JG See Altobelli SA
- David R See Kumar R
- David R; Barron BJ; Madewell JE: osteomyelitis, acute and chronic. *Radiol Clin North Am* 1987; 25: 1171
- David R; Shirkhoda A; McCartney WH: anterior dynamic imaging of the liver and spleen. *Clin Nucl Med* 1988; 13: 402
- Davidai G See Alon U
- Davidoff A See Cartier MS
- Davidoff A See Raptopoulos V
- Davidoff A See Reuter KL
- David N See Kandarpa K
- Davidson AJ See Goldman SM
- Davidson AJ See Hartman DS
- Davidson AJ See Sheth S
- Davidson AJ See Gelbfish GA
- Davidson HE See Benghiat A
- Davidson JK See Howie FMC
- Davidson RJ See Scatamacchia SA
- Davies AC; Keightley A; Borthwick-Clarke A; et al: use of a low-osmolality contrast medium in hysterosalpingography: comparison with a conventional contrast medium. (ab). *Radiology* 1986; 158: 859
- Davies AM See Birch PD
- Davies AM See Li JKW
- Davies AM; Evans NS; Struthers GR: parasympathetic and associated insufficiency fractures of the pelvis and sacrum. *Br J Radiol* 1988; 61: 103
- Davies CH; Daneman A; Stringer DA: inspissated bile in a neonate with cystic fibrosis. *J Ultrasound Med* 1986; 5: 335
- Davies CH; Stringer DA; Whyte H; et al: congenital hepatic fibrosis with sacular dilatation of intrahepatic bile ducts and infantile polycystic kidneys. *Pediatr Radiol* 1986; 16: 302
- Davies ER See Abrams ME
- Davies ER See Fowkes FGR
- Davies ER See Goddard P
- Davies GJ See Creed FA
- Davies GT See Albertyn LE
- Davies P See Elliott S
- Davies P See Panto PN
- Davies P; Graves J; Panto PN; et al: comparison of two strengths of iohexol and iothalamate in urography. *Urol Radiol* 1987; 9: 30
- Davies P; Panto PN; Buckley J; et al: old and new: study of five contrast media for urography. (ab). *Radiology* 1986; 158: 859
- Davies RL; Flores NA; Evans KT: development and assessment of an image intensifier for real-time X-ray microscopy. *Br J Radiol* 1986; 59: 273
- Davies RL; Gravelle IH; Evans KT: X-ray microscopy of the breast. *Br J Radiol* 1988; 61: 401
- Davies RP; Kennedy G; Chatterton BE: noncystic appearance of intraperitoneal *Echinococcus* on ultrasonic examination. *JCU* 1986; 14: 55
- Davies RP; Lam AH: adrenocortical neoplasm in children: ultrasound appearance. *J Ultrasound Med* 1987; 6: 325
- Davies RP; Morris LL; Savage JP; et al: gastro-oesophageal reflux: the role of imaging in diagnosis and management. *Australas Radiol* 1987; 31: 157
- Davies RP; Sage MR: contrast-induced renal failure: detection by the persistent nephrogram: a case report. *Australas Radiol* 1987; 31: 386
- Davies RP; Sorby WA: paediatric MR imaging—current clinical applications. *Australas Radiol* 1988; 32: 184
- Davies RP; Welshman R; Desilva M: disappearing "osteochondroma": simulation by reformatting computed tomography. *Australas Radiol* 1988; 32: 131
- Davies WT See Lewis P
- Davis B See Gass JDM
- Davis C See Stevens JM
- Davis CA See Glüer C-C
- Davis CA See Richards TL
- Davis CA; Genant HK; Dunham JS: effects of bone on proton NMR relaxation times of surrounding liquids. *Invest Radiol* 1986; 21: 472
- Davis CH See Thomas DGT
- Davis CJ Jr See Hartman DS
- Davis CJ Jr: pathology of renal neoplasms. *Semin Roentgenol* 1987; 22: 233
- Davis CL See Burnett KR
- Davis CM See Tehranzadeh J
- Davis CS III See Loevinger E
- Davis DO See Kucharczyk W
- Davis GA See Chilcote WA
- Davis GB See Ryan KL
- Davis GB; Dowd CF; Bookstein JJ; et al: thrombotic dialysis grafts: efficacy of intrathrombotic deposition of concentrated urokinase, clot maceration, and angioplasty. *AJR* 1987; 149: 177
- Davis JA; Gosink BB: fluid in the femoral pelvis: cyclic patterns. *J Ultrasound Med* 1986; 5: 75
- Davis JE See Svigals PJ
- Davis JG See Caprihan A
- Davis JM III; McLaughlin AP: spontaneous renal hemorrhage due to cyst rupture: CT findings. *AJR* 1987; 148: 763
- Davis KA See Hayden SA
- Davis KR See Debrun GM
- Davis KR See Edelman RR
- Davis KR See Johnson KA
- Davis KR See Kuhn MJ
- Davis KR See New PFJ
- Davis KR See Schick RM
- Davis KR See Widder DJ
- Davis KR: embolization of epistaxis and juvenile nasopharyngeal angiofibromas. *AJNR* 1986; 7: 953
- Davis LW See Brady LW
- Davis LW See Gillespie BW
- Davis LW; Cox J; Diamond J; et al: manpower crisis facing radiation oncology. *Int J Radiat Oncol Biol Phys* 1986; 12: 1873
- Davis M See Listrom MB
- Davis M See Mettler FA Jr
- Davis M See Shewett SE
- Davis M: mitral valve prolapse. *Radiology* 1988; 166: 650
- Davis M; Fenoglio-Preiser C; Haque AK: cavernous lymphangioma of the duodenum: case report and review of the literature. *Gastrointest Radiol* 1987; 12: 10
- Davis M; Hart B; Kleinman R: obstructive jaundice from open vessel clip. *Gastrointest Radiol* 1988; 13: 259
- Davis M; Siegel M; Parker T; et al: small bowel edema: mosaic pattern. *Gastrointest Radiol* 1988; 13: 219
- Davis MA See Phillips DA
- Davis MA See Raptopoulos V
- Davis MC; Fishman EK; Cameron JL; et al: computed tomography of vaginal cuff cyst: late complication of hysterectomy. *JCAT* 1986; 10: 354
- Davis ME; Conger AD; Sodickoff M: transplacental uptake of WR 2721 by the rat embryo. *Int J Radiat Oncol Biol Phys* 1987; 13: 575
- Davis N See Mandell GA
- Davis PC See Braun IF
- Davis PC See Mandelblat SM
- Davis PC See Wittrak BJ
- Davis PC; Friedman NC; Fry SM; Malko JA; Hoffman JC Jr; Braun IF: leptomeningeal metastasis: MR imaging. *Radiology* 1987; 163: 449
- Davis PC; Hoffman JC Jr; Ball TJ; Wyly JB; Braun IF; Fry SM; Dravric DM: spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings. *Radiology* 1988; 166: 679
- Davis PC; Hoffman JC Jr; Braun IF; et al: MR of Leigh's disease (subacute necrotizing encephalomyelopathy). *AJNR* 1987; 8: 71
- Davis PC; Hoffman JC Jr; Malko JA; et al: gadolinium-DTPA and MR imaging of pituitary adenoma: a preliminary report. *AJNR* 1987; 8: 817
- Davis PC; Hoffman JC Jr; Spencer T; et al: MR imaging of pituitary adenoma: CT, clinical, and surgical correlation. *AJNR* 1987; 8: 107
- Davis PC; Nilsen B; Braun IF; et al: prospective comparison of duplex sonography vs angiography of the vertebral arteries. *AJNR* 1986; 7: 1059
- Davis PL: magnetic resonance imaging appearances of basal ganglia lesions in carbon monoxide poisoning. *Magn Res Imag* 1986; 4: 489
- Davis PL; Parker DL; Nelson JA; et al: interactions of paramagnetic contrast agents and the spin echo pulse sequence. *Invest Radiol* 1988; 23: 381
- Davis PS; Babaria A; March DE; et al: primary amyloidosis of the ureter and renal pelvis. *Urol Radiol* 1987; 9: 158
- Davis PS; Intenzo CM; Cohn JR; et al: demonstration of tumor microembolism by lung perfusion imaging. *Clin Nucl Med* 1988; 13: 543
- Davis PS; Wechsler RJ; Feig SA; et al: migration of breast biopsy localization wire. *AJR* 1988; 150: 787
- Davis RB; Schanwecker DS; Siddiqui AR; et al: indeterminate lung imaging: can the number be reduced? *Clin Nucl Med* 1986; 11: 577
- Davis RL See Sze G
- Davis RL See Turnwaski K
- Davis RL See Wallner KE
- Davis RT See Markisz JA
- Davis S See Tress BM
- Davis SD See Henschke CI
- Davis SD; Henschke CI; Chalmers BK; Westcott JL: intrathoracic Kaposi's sarcoma in AIDS patients: radiographic-pathologic correlation. *Radiology* 1987; 163: 495
- Davis SD; Neithamer CD; Schreiber TS; et al: false pulmonary artery aneurysm induced by Swan-Ganz catheter: diagnosis and embolotherapy. *Radiology* 1987; 164: 741
- Davis SM See Hopper JL
- Davis SM; Tress BM; Hopper JL; et al: dynamic CT brain scanning in the haemodynamic evaluation of cerebral arterial occlusive disease. *Neuroradiol* 1987; 29: 259
- Davis SP See Stomper PC
- Davis T See Sider L
- Davis TM Jr See Sider L
- Davis W See Datz FL
- Davis WK See Miner DG
- Davis WK; Mahony BS; Carroll BA; et al: antenatal sonographic detection of benign dacryocystoceles (lacrimal duct cysts). *J Ultrasound Med* 1987; 6: 461
- Davis WL; Nelson JA; Barry WH: effects of contrast media on cultured myocardial cells. *Invest Radiol* 1986; 21: 626
- Davison GB; Leeton J: case of female infertility investigated by contrast-enhanced hystero-sonography. *JCU* 1988; 16: 44
- Davison R; Kaplan K; Bines A; et al: abnormal thallium 201 scintigraphy during low-dose vasopressin infusions. (ab). *Radiology* 1987; 163: 836
- Dawes PJDK See Gaffney CC
- Dawes PJDK See Kotre CJ
- Dawes PJDK; Ald EG; Crawshaw IF: direct measurement of dose at depth in breast cancer using lithium fluoride. *Clin Radiol* 1988; 39: 301
- Dawson DT See Miller GG
- Dawson EG; Clader TJ; Bassett LW: comparison of different methods used to diagnose pseudarthrosis following posterior spinal fusion for scoliosis. (ab). *Radiology* 1986; 159: 574
- Dawson P: digital angiography—myth and reality. *Australas Radiol* 1988; 32: 18
- Dawson P; Hewitt F; Mackie IJ; et al: contrast, coagulation, and fibrinolysis. *Invest Radiol* 1986; 21: 248

Dawson

- Dawson P; Howell M: non-ionic dimers: new class of contrast agents, *Br J Radiol* 1986; 59: 987
- Dawson P; Penhaligon M; Smith E; et al: iodinated contrast agents as "radiosensitizers", *Br J Radiol* 1987; 60: 201
- Dawson SL See Mueller PR
- Day A See Onik G
- Day D See Sencer S
- Day DL See Allen BT
- Day DL See Dalen K
- Day DL See Letourneau JG
- Day DL See Lund G
- Day DL See Zhang G
- Day DL; Burke BA: pulmonary emphysema in a neonate with Marfan syndrome, *Pediatr Radiol* 1986; 16: 518
- Day DL; Drake DG; Leonard AS; et al: CT findings in left paraduodenal herniae, *Gastrointest Radiol* 1988; 13: 27
- Day DL; Letourneau JG; Allan BT; et al: hepatic regenerating nodules in hereditary tyrosinemia, *AJR* 1987; 149: 391
- Day DL; Letourneau JG; Allan BT; et al: MR evaluation of the portal vein in pediatric liver transplant candidates, *AJR* 1986; 147: 1027
- Day DL; Ramsay NKC; Letourneau JG: pneumatosis intestinalis after bone marrow transplantation, *AJR* 1988; 151: 85
- Day DL; Sane S; Dehner LP: inflammatory pseudotumor of the mesentery and small intestine, *Pediatr Radiol* 1986; 16: 210
- Day DL; Scheinman JI; Mahan J: radiological aspects of primary hyperoxaluria, *AJR* 1986; 146: 395
- Day DL; Shapiro RS; Yueh N; McClain K; Allan BT; Filipovich AH: B-cell lymphoproliferative disorders in children after bone marrow transplantation: radiologic manifestations, *Radiology* 1987; 162: 807
- Day JL See Stanton L
- Daykin EL; Irwin GAL; Harrison DA: CT demonstration of a traumatic aneurysm of the pulmonary artery, *JCAT* 1986; 10: 323
- D'Cruz CA See Gibson JY
- D'Cruz I See Rothenberg DM
- Deacon JM; Holliday SB; Ahmed I; et al: experimental pharmacokinetics of RSU-1069 and its analogues: high tumor/plasma ratios, *Int J Radiat Oncol Biol Phys* 1986; 12: 1087
- Dean B; Drayer BP; Beresini DC; et al: MR imaging of pericolic lipoma, *AJNR* 1988; 9: 929
- Dean G; Alderson M; Maximilian R: increased risk of cataract in patients receiving radiotherapy to the eye: a pilot study, *Br J Radiol* 1988; 61: 509
- Dean GW See Libsona R
- Dean PB See Haapanen AA
- Dean PB See Haapanen H
- Dean PB See Tabár L
- Dean RD See Haas JS
- Dean RH; Callis JT; Smith BM; et al: failed percutaneous transluminal renal angioplasty: experience with lesions requiring operative intervention, (ab), *Radiology* 1988; 167: 588
- Dean RH; Waterhouse G; Meacham FW; et al: mycotic embolism and embolomycotic aneurysms: neglected lessons of the past, (ab), *Radiology* 1987; 163: 292
- Deans HE See Rawluk D
- Deans HE See Smith FW
- Deans HE; Redpath TW; Smith FW; et al: magnetic resonance imaging of the orbits using a binocular surface coil, *Br J Radiol* 1988; 61: 665
- de Araujo LML; Silverman NH; Filley RA; et al: prenatal detection of left atrial isomerism by ultrasound, *J Ultrasound Med* 1987; 6: 667
- Dearborn DG See Fletcher BD
- de Arellano GR See Sostre S
- De Armond SJ See See G
- Debaene A; Lavielle J; Vion-Dury J; et al: contribution of MRI to the diagnosis of multiple sclerosis, *J Neuroradiol* 1986; 13: 1
- Debaz B See Baetz-Johnson WB
- DeBaz BP See Johnson CE
- de Beer R See van der Veen JWC
- DeBoe SF See Friedman HZ
- Deboise A: physiopathology of fractures of the upper facial skeleton, *J Neuroradiol* 1986; 13: 232
- De Bono GG: osmolality and ionicity: confusion in terminology applied to contrast media, *Radiology* 1988; 168: 281
- de Boo T; et al See van Dam I
- de Broucker T See Martin N
- de Bruine FT See Tham RTOTA
- de Bruine FT; Kroon HM: spinal chordoma: radiologic features in 14 cases, *AJR* 1988; 150: 861
- de Bruine JF See van Royen EA
- Debrun GM; Davis KR; Nauta HJ; et al: treatment of carotid cavernous fistulae or cavernous aneurysms associated with a persistent trigeminal artery: report of three cases, *AJNR* 1988; 9: 749
- de Bruyn R See Malone M
- Debure C See Vayssairt M
- De Caestecker JS See Sellar RJ
- De Campo JF See Beasley SW
- de Campo JF See Leighton DM
- de Campo JF See Phelan E
- De Campo JF: ultrasound of Wilms' tumor, *Pediatr Radiol* 1986; 16: 21
- De Campo JF; Boldt DW: computed tomography of partial growth plate arrest: initial experience, *Skeletal Radiol* 1986; 15: 526
- De Campo JF; Boldt DW: paperless radiology department, *Australas Radiol* 1988; 32: 122
- De Campo JF; Myers D; Klug GL: ultrasound guided removal of an intracranial bullet: case report, *Australas Radiol* 1986; 30: 6
- de Carvalho A See Jensen EL
- de Carvalho A See Nielsen FF
- de Carvalho A; Jurik AG; Illum F: case report 335, *Skeletal Radiol* 1986; 15: 52
- de Castro JB; Tasciyan TA; Lee JN; et al: MR subtraction angiography with a matched filter, *JCAT* 1988; 12: 355
- de Chadarevian JP See Cramer BC
- Dechelotte P See Labbe A
- de Clinque M See Cotroneo AR
- Deck MDF See See G
- Deck MDF See Zimmerman RD
- Deckinga BC See Jasinski RW
- DeCock KM See Barnes PF
- DeCock KM See Ralls FW
- Deconinck K See Verguts L
- Decorps M See Albrand JP
- De Coster A See De Vuyst P
- de Crepigny LC; Cooper D; McKenna M: early detection of intrauterine pregnancy with ultrasound, *J Ultrasound Med* 1988; 7: 7
- DeCroix Y See Buy J-N
- Dedhia HV See Jain AC
- De Divitiis E See Constans JP
- Dedrick CG See Bourgouin PM
- Dedrick CG See Drucker EA
- Dedrick CG See Kushner DC
- Dedrick CG See Shepard JO
- Dedrick CG See Spizarny DL
- Dedrick RL See Doppman JL
- Dee GJ See Grant DC
- Dee GJ; Bello JA; Hilal SK: high field, thin section nuclear magnetic resonance imaging of the cervical spine, *Cardiovasc Intervent Radiol* 1986; 8: 283
- Deeb ZL See Daffner RH
- Deeb ZL See Goldberg AL
- Deeb ZL See Rothfus WE
- Deeb ZL See Tabas JH
- Deeb ZL; Daffner RH; Rothfus WE; et al: syringomyelia: myelography, computed tomography, and magnetic resonance imaging, *CT* 1988; 12: 1
- Deeb ZL; Schmel S; Rothfus WE; et al: diagnosis of bilateral intracavernous carotid artery aneurysms by computed tomography, *CT* 1986; 10: 121
- Deeg HJ; Storb R; Longton G; et al: single dose or fractionated total body irradiation and autologous marrow transplantation in dogs: effects of exposure rate, fraction size, and fractionation interval on acute and delayed toxicity, *Int J Radiat Oncol Biol Phys* 1988; 15: 647
- De-en H; Xiang-song L; Jie H; et al: effects of radiotherapy on the immune system of patients with nasopharyngeal carcinoma, *Br J Radiol* 1988; 61: 305
- Dees J See Laméris JS
- DeEulis T See Brady LW
- Defer G; Moretti JL; Cesaro P; et al: early and delayed SPECT using N-isopropyl-p-iodoamphetamine iodine 123 in cerebral ischemia: a prognostic index for clinical recovery, (ab), *Radiology* 1987; 165: 887
- Defer G; Moretti J-L; Cesaro P; et al: early and delayed SPECT using N-isopropyl-p-iodoamphetamine iodine 123 in cerebral ischemia: a prognostic index for clinical recovery, (ab), *Radiology* 1988; 166: 913
- DeFilipp GJ See Johnson MH
- De Filipp GJ See Steffey DJ
- de Filippi G; Betta FG: vascular liver calcification in infants: a case report with some pathogenetic considerations, *Pediatr Radiol* 1988; 18: 413
- de Filippi G; Canestri G; Bosio U; et al: thoracic neuroblastoma: antenatal demonstration in a case with unusual postnatal radiographic findings, *Br J Radiol* 1986; 59: 704
- De Flaviis L; Nessi R; Del Bo P; et al: high-resolution ultrasonography of wrist ganglia, *JCU* 1987; 15: 17
- De Flaviis L; Nessi R; Leonardi M; et al: dynamic ultrasonography of capsulo-ligamentous knee joint trauma, *JCU* 1988; 16: 487
- De Gaetano AM See Maresca G
- DeGalan MR; Schwendner SW; Skinner RWS; et al: iodine-125 cholesteryl liponate for measuring extent of atherosclerosis in rabbits, *J Nucl Med* 1988; 29: 503
- Degani H; Alger JR; Shulman RG; et al: ³¹P magnetization transfer studies of creatine kinase kinetics in living rabbit brain, *Magn Res Med* 1987; 8: 1
- Degani H; Horowitz A; Itzhack Y: breast tumors: evaluation with P-31 MR spectroscopy, *Radiology* 1986; 161: 53
- de Geer G See Dooms GC
- de Geer G See Gamsu G
- de Geer G See McMurdo KK
- de Geer G See Shea WJ Jr
- de Geer G See Stein MG
- de Geer G See Tscholachoff D
- de Geer G See von Schulthes GK
- de Geer G; Gamsu G; Cann CE; et al: evaluation of a chest phantom for CT nodule densitometry, *AJR* 1986; 147: 21
- de Geer G; Webb WR; Gamsu G: normal thymus: assessment with MR and CT, *Radiology* 1986; 158: 313
- de Geer G; Webb WR; Solitto R; et al: MR characteristics of benign lymph node enlargement in sarcoidosis and Castleman's disease, *Eur J Radiol* 1986; 6: 145
- Degeorges M See Jehenson P
- Degisy G; Dunnick NR; Silverman PM; et al: retroperitoneal fibrosis: use of CT in distinguishing among possible causes, *AJR* 1986; 146: 57
- Degner FL; Sutherland RM: mathematical modelling of oxygen supply and oxygenation in tumor tissues: prognostic, therapeutic, and experimental implications, *Int J Radiat Oncol Biol Phys* 1988; 15: 391
- Degner FL; Sutherland RM: theoretical evaluation of expected changes in oxygenation of tumors associated with different hemoglobin levels, *Int J Radiat Oncol Biol Phys* 1986; 12: 1291
- de Gonzalez EL; Cosgrove DO; Joseph AE; et al: appearances on ultrasound of the female urethral sphincter, *Br J Radiol* 1988; 61: 687
- de Graaf AA; Bovee WMMJ; Deutz NEP; et al: in vivo ¹H-NMR procedure to determine several rat cerebral metabolite levels simultaneously, undisturbed by water and lipid signals, *Magn Res Imag* 1986; 6: 255
- de Graaf CN See Bakker CJG
- de Graaf CN; Bakker CJG: simulation procedure to determine nuclear magnetic resonance imaging pulse sequence parameters for optimal tissue contrast, *J Nucl Med* 1986; 27: 281
- DeGraft W See Miller RW
- DeGraft W See Mitchell JB
- DeGraft W See Phillips TL
- DeGraft W See Russo A
- DeGroot RM See Ayers JWT
- de Groot J See Colombo N
- Degryse HR See Vossen PG
- Degryse HR; Duyck PC; van Hedent EF; et al: vascular ring in annular pancreas associated with rare variant of celiac trunk: case report, *Eur J Radiol* 1987; 7: 63
- De Haan J; Grossman RJ; Civitello L; et al: high-field magnetic resonance imaging of Wilson's disease, *CT* 1987; 11: 132
- Dehmer GJ See Starling MR
- Dehner LP See Allan BT
- Dehner LP See Day DL
- Dehner LP See Laerum F
- Dehner LP See Manivel JC
- Dehner LP See Perrone T
- Dehner LP; Scott D; Stocker JT: meconium periorchitis: a clinicopathologic study of four cases with a review of the literature, (ab), *Radiology* 1987; 162: 591
- de Hooge P See Derks WHJ
- Deimling M See König H
- Deimling M See Mueller E
- Deitch JS See Buffo GC
- Deitz J See Hedlund LW
- DeJok D; Serota AE; Nishiyama H: septic arthritis in an immunocompromised patient, *Clin Nucl Med* 1987; 12: 146
- de Jong MMT See Goedemans WT
- de Jong TE See Appelman TT
- DeKernion JB; Huang M-Y; Kaufman JJ; et al: results of treatment of patients with stage D₁ prostatic carcinoma, (ab), *Radiology* 1986; 159: 571
- de Kraker J See Hoefnagel CA
- Delagardelle C See Henze E
- Delamarre J; Capron J-F; Drouard P; et al: splenosis: ultrasound and CT findings in a case complicated by an intraperitoneal implant traumatic hematoma, *Gastrointest Radiol* 1988; 13: 275
- Delamarter RB See Hueftle MG
- Delamarter R See Ross JS
- de la Monte SM See Erickson AM
- DeLand FH See Shih W-J
- De Landheere C See Wilson MJ
- de Landheere CM See Shea RA
- Delaney MD See Tuzson CU
- DeLaney TF; Shipley WU; O'Leary MP; et al: preoperative irradiation, lymphadenectomy, and ¹²⁵Iodine implantation for patients with localized carcinoma of the prostate, *Int J Radiat Oncol Biol Phys* 1986; 12: 1779

- Delaney VB See Steinberg HV
 de Lange E See Holmes WS
 de Lange EE See Bolen JW Jr
 de Lange EE See Carr SL
 de Lange EE See Kerns S
 de Lange EE See Pope TL Jr
 de Lange EE See Shaffer HA Jr
 de Lange EE; Black WC; Mills SE: radiologic features of retroperitoneal cystic hamartoma. *Gastrointest Radiol* 1988; 13: 266
 de Lange EE; Keato TE: localized chondrocalcinosis in traumatized joints, (ab). *Radiology* 1986; 159: 573
 de Lange EE; Pope TL Jr; Fechner RE; et al: case report 428. *Skeletal Radiol* 1987; 16: 481
 de Lange EE; Pope TL Jr; Fechner RE: dedifferentiated chondrosarcoma: radiographic features. *Radiology* 1986; 161: 499
 de Lange EE; Shaffer HA Jr: anastomotic strictures of the upper gastrointestinal tract: results of balloon dilation. *Radiology* 1988; 167: 45
 de Lange EE; Shaffer HA Jr; Daniel ML; Kron IL: esophageal anastomotic leaks: preliminary results of treatment with balloon dilation. *Radiology* 1987; 165: 45
 de Lange EE; Slutsky VS; Swanson S; et al: computed tomography of emphysematous gastritis. *JCAT* 1986; 10: 139
 de Lange EE; Vielvoye GJ; Voormolen JHC: arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings. *Radiology* 1986; 158: 721
 Delange T See Clavier E
 Delano ML See Sands H
 Delany DJ See Breatnach ES
 Delany DJ See Matsumoto AH
 Delany DJ See Parker LA
 Delany DJ; Scatliff JH; Thompson BG: multimodality projection console for the radiology conference room. *Invest Radiol* 1987; 22: 336
 DeLaPaz R See Enzmann DR
 DeLaPaz R See Griffin C
 Delapaz RL See Hoehne KH
 Delapaz RL See Marks MP
 Delard R See Pourquier H
 de la Sayette V See Fontaine S
 de la Sayette V See Reisin R
 de la Torre R See Scatarige JC
 Delatte P See Delcour C
 Delava P See Bourgout P
 Delaville J; Lalanne B; Megret M: man-in-the-barrel syndrome: first CT images. *Neuroradiol* 1987; 29: 501
 Delayre JL See Narayana PA
 DelBalso AM; Bowers JE: aneurysm of intrapetrous carotid artery: CT and angiographic findings. *JCAT* 1986; 10: 702
 Delbeke D; Sandler MP; Shaff MJ; et al: cat-scratch disease: report of a case with liver lesions and no lymphadenopathy. *J Nucl Med* 1988; 29: 1454
 Del Bo P See De Flavio L
 Delcos L See Adelson MD
 Delcos L See Dancourt F
 Delcour C; Vandenbosch G; Delatte P; et al: technical advances in penile arteriography. *AJR* 1988; 150: 803
 Delcour C; Vanderhofstadt A; Vandenbosch G; et al: comparison of iohexol and ioxaglate for intravenous digital subtraction angiography of the neck and head. *Invest Radiol* 1987; 22: 811
 Delcour C; Wespes E; Vandenbosch G; Schuylman CC; Struyven J: Impotence: evaluation with cavernosography. *Radiology* 1986; 161: 803
 Delemarre BJ; Bot H; Pearlman AS; et al: diastolic flow characteristics of severely impaired left ventricles: pulsed Doppler ultrasound study. *JCU* 1987; 15: 115
 Delemarre BJ; Bot H; Visser CA; et al: phasic flow in the left ventricular inflow tract: the importance of Doppler sample volume position. *JCU* 1988; 16: 227
 De Leon MJ See George AE
 de Leon MJ See Stylopoulos LA
 Delepine N See Mathieu E
 Delevalux JL See Lopez OL
 Delhaye M; Engelholm L; Cremer M: pancreas divisum: congenital anatomic variant or anomaly? contribution of endoscopic retrograde dorsal pancreatography, (ab). *Radiology* 1986; 160: 573
 D'Elia F See Santoni R
 DeLibero BB; Nordner A; Griffiths HJ: international dictionary of medicine and biology. 3 vols. *Radiology* 1986; 160: 606
 Delic JI; Steel GG; Bush C: survival of murine clonogenic stem spermatogonia following combined radiation and cytotoxic drug treatments. *Int J Radiat Oncol Biol Phys* 1986; 12: 1433
 Delichatsios MA See Katsamouris AA
 De Liège P See Mayer JM
 Deligdisch CK See Benson CB
 Deligonul U See Galan KM
 Delius M; Enders G; Heine G; et al: biological effects of shock waves: lung hemorrhage by shock waves in dogs—pressure dependence. *Ultrasound Med Biol* 1987; 13: 61
 Delius M; Enders G; Xuan Z; et al: biological effects of shock waves: kidney damage by shock waves in dogs—dose dependence. *Ultrasound Med Biol* 1988; 14: 117
 Dell PC See Bush CH
 Dell PC See Gillespy T III
 Del Maschio A See Triulzi F
 Delmon L See Moretti JL
 DeLorenzo LJ; Huang CT; Maguire GP; et al: roentgenographic patterns of pneumocystis carinii pneumonia in 104 patients with AIDS, (ab). *Radiology* 1987; 164: 882
 Delouche G See Kurtz JM
 Delouche G; Bachelot F; Fremont M; et al: conservation treatment of early breast cancer: long term results and complications. *Int J Radiat Oncol Biol Phys* 1987; 13: 29
 Delprat CC See Hoefnagel CA
 del Regato JA; Antoine Lacassagne, Int J Radiat Oncol Biol Phys 1986; 12: 2165
 del Regato JA; Henri Coutard, Int J Radiat Oncol Biol Phys 1987; 13: 433
 del Regato JA; Hermann Heineke, Int J Radiat Oncol Biol Phys 1986; 12: 997
 del Regato JA; Hermann Holthusen, Int J Radiat Oncol Biol Phys 1988; 14: 1271
 del Regato JA; Ralston Paterson, Int J Radiat Oncol Biol Phys 1987; 13: 1081
 del Regato JA; Sir Brian Windeyer, Int J Radiat Oncol Biol Phys 1988; 14: 159
 Del Rio MJ See Engelstad BL
 DeLuca A See Barnes M
 DeLuca AM See Kinella TC
 De Luca F See De Simone BJ
 De Luca F; Crescenzi A; Luzzi M; et al: modified crossed-ellipse radiofrequency coil for MRI. *Magn Res Med* 1986; 3: 491
 DeLuka DM See Manco LG
 de Maertelaer V See Jeanty P
 Demaison L; Dubois F; Apparu M; et al: myocardial metabolism of radioiodinated methyl-branched fatty acids. *J Nucl Med* 1988; 29: 1230
 Demange P See Kalifa GL
 Demangeat J-L; Constantinesco A; Brunot B; et al: three-phase bone scanning in reflex sympathetic dystrophy of the hand. *J Nucl Med* 1988; 29: 26
 Demarco T See Stein MG
 Demard F See Bruneton JN
 DeMaria JE See Richards DG
 de Maria M See Cardinale A
 De Maria M; De Simone G; Laconi A; Mercadante G; Favone P; Rossi P: gold storage in the liver: appearance on CT scans. *Radiology* 1986; 159: 355
 De Marinis P See Ruggiero R
 DeMarino DP See Barloon TJ
 DeMarino GB See Yuh WT
 DeMarino GB: normal anatomy for multiplanar imaging. 2 vols. *Radiology* 1988; 167: 656
 Deman RV See Darnell EK
 Demas B See Onik G
 Demas BE See Hricak H
 Demas BE See Shea WJ Jr
 Demas BE; Heelan RT; Lane J; et al: soft-tissue sarcomas of the extremities: comparison of MR and CT in determining the extent of disease. *AJR* 1988; 150: 615
 Demas BE; Hricak H: magnetic resonance imaging in the evaluation of the retroperitoneum. *Urol Radiol* 1986; 8: 151
 Demas BE; Hricak H; Jaffe RB: uterine MR imaging: effects of hormonal stimulation. *Radiology* 1986; 159: 123
 Demas BE; Hricak H; Williams RD; et al: magnetic resonance imaging evaluation of radiation-induced changes in experimentally implanted renal cell carcinoma. *Invest Radiol* 1987; 22: 206
 Demas BE; McCarthy SM; Moss AA; et al: utility of ceruletide in promoting intestinal opacification for abdominal and pelvic computed tomography. *Gastrointest Radiol* 1986; 11: 197
 Dembo AJ See Thomas GM
 de Mendonça LK: sonographic diagnosis of placenta accreta: presentation of six cases. *J Ultrasound Med* 1988; 7: 211
 Demers LM See Schuster JJ
 Demetris AJ See White RM
 de Metz CE; Starreveld AA; MacLean GD; et al: cerebral metastases from epithelial ovarian carcinoma. *J Canad Assoc Radiol* 1987; 38: 192
 Demeulemeester L See Casselman JW
 De Michele DJ See Di Chiro G
 Demierre B; Stichnoth FA; Hori A; et al: intracerebral ganglioglioma, (ab). *Radiology* 1987; 163: 839
 DeMocker JC; Graham D: technique for making teaching film files. *J Ultrasound Med* 1986; 5: 601
 de Moraes CR: calcification of the heart: rare manifestation of chronic renal failure. *Pediatr Radiol* 1986; 16: 422
 Demos TC See Ponniah HV
 Demos TC; Flisak ME: coiled-spring sign of the cecum in acute appendicitis. *AJR* 1986; 146: 45
 Demos TC; Okrent DH; Studlo JD; et al: spontaneous esophageal hematoma diagnosed by computed tomography. *JCAT* 1986; 10: 133
 Demos TC; Ponniah HV; Churchill RJ; et al: detection of the intimal flap of aortic dissection on unenhanced CT images. *AJR* 1986; 146: 601
 Dempsey D See Husted J
 Dempsey TR See Vischer DW
 de Muelenaere PFRG: superior dislocation of the hip: report of 2 cases, (ab). *Radiology* 1986; 159: 286
 DeNardo G See Raventos A
 DeNardo GL See Koizumi K
 DeNardo GL See Macey DJ
 DeNardo GL See Ryan KP
 DeNardo SJ See Cole WC
 DeNardo SJ See Deshpande SV
 DeNardo SJ See Koizumi K
 DeNardo SJ See Macey DJ
 DeNardo SJ See Raventos A
 DeNardo SJ See Ryan KP
 De Nayer F See Avalos E
 Denice CS See Kilbourn MR
 Deneve W See Lybeert MLM
 Dengel FH See Ross JS
 Denham JS See Ellis JH
 Denham JS; Becker GJ; Siddiqui AR; et al: detection of acute gastrointestinal bleeding by intra-arterial Tc-99m sulfur colloid scintigraphy in a canine model: preliminary study. *Invest Radiol* 1987; 22: 37
 Denham JW See O'Brien PC
 Denham JW; Baldacchino AC; Gutter J; et al: remote afterloading techniques for the treatment of nasopharyngeal and endometrial cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 191
 Denham JW; Yeoh EK; Wittwer G; et al: radiation therapy in hyperbaric oxygen for head and neck cancer at Royal Adelaide Hospital—1964 to 1980. *Int J Radiat Oncol Biol Phys* 1987; 13: 201
 Den Hartog Jager FCA See Hoefnagel CA
 den Heeten GJ; Thijn CJ; Kamps WA; et al: effect of chemotherapy on osteosarcoma of the extremities as apparent from conventional roentgenograms. *Pediatr Radiol* 1986; 16: 407
 den Hollander JA See Luyten PK
 den Hollander JA See Segebarth CM
 Denis L See Vincent NR
 Denison DM See Bush A
 Denison DM See Fromson BH
 Denison DM See Morgan MDL
 Denison DM See Strickland B
 Denison DL; Elson HR; Lewis GC Jr; et al: distribution of power and heat produced by interstitial microwave antenna arrays: I. comparative phantom and canine studies. *Int J Radiat Oncol Biol Phys* 1988; 14: 127
 Denman DJ; Foster AE; Lewis GC Jr; et al: distribution of power and heat produced by interstitial microwave antenna arrays: II. the role of antenna spacing and insertion depth. *Int J Radiat Oncol Biol Phys* 1988; 14: 537
 Denny JC III See Henderson LT
 Dennis DR See Mintun MA
 Dennis MA See Pretorius DH
 Dennis MF See Watts ME
 Dennison BF See Unger JM
 Denny DF See Greenwood LH
 Denny DF Jr See Palmaz JC
 Denny DF Jr; Dorfman GS; Cronan JJ; et al: Greenfield filter: percutaneous placement in 50 patients. *AJR* 1988; 150: 427
 Denny DF Jr; Dorfman GS; Greenwood LH; et al: translumbar inferior vena cava Hickman catheter placement for total parenteral nutrition. *AJR* 1987; 148: 621
 Denay WA See Wilson WR
 Dent GA See Woodruff WW Jr
 Denton JR See Singson RD
 de O Silva A See Uflacker R
 Deonna T See Lipp-Zwahlen AE
 De Orchis D; Ozonoff MB: infiltrating angiolipoma with phlebolith formation. *Skeletal Radiol* 1986; 15: 464
 De Orchis DF See Fain SO
 De Palma L See Piliu G
 De Palo G; Lattuada A; Kenda R; et al: germ cell tumors of the ovary: experience of the National Cancer Institute of Milan. I. dysgerminoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 853
 De Paoli A; Boz G; Trovò MG; et al: multiple fraction per day radiation therapy for inoperable esophageal cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 855
 de Paredes ES See Pope TL Jr

de Paredes

- de Paredes ES; Frazier AB; Hartwell GD; Strath AM; Scheer C; Smith DC; Barnette PA; Noel W; Kenneged D: development and implementation of a quality assurance program for mammography. *Radiology* 1987; 163: 83
- de Paredes ES; Hartwell GD; Frazier AB; Scheer C: equipment choices for mammography: reply. *Radiology* 1988; 166: 904
- DePasquale EE See Garcia EV
- De Paula F See Passariello R
- de Pont CWJ See Olmos RAV
- De Pra L See Derchi LE
- De Preux J See Bammatter S
- DePuey EG See Garcia EV
- DePuey EG; Guertler-Krawczynska E; Robbins WL: thallium-201 SPECT in coronary artery disease patients with left bundle branch block. *J Nucl Med* 1988; 29: 1479
- Depuyt FG See Verbanck JJ
- DeQuattro V See Ansari AN
- Dequeker J See Grunens P
- Dequeker J See Mbuyi-Musamba JM
- Deramond H; Seibert JL; Rosat F; et al: destructive spondylarthropathy in chronic haemodialysis patients. *J Neuroradiol* 1987; 14: 27
- de Ranieri J See Abbattucci JS
- Derauf B; Goldberg ME: angiographic assessment of potential renal transplant donors. *Radiol Clin North Am* 1987; 25: 261
- Derauf BJ See Smith TP
- Derauf BJ; Erickson DL; Castaneda-Zuniga WR; et al: "washout" technique for brachiocephalic angioplasty. *AJR* 1986; 146: 849
- Derauf BJ; Hunter DW; Sirr SA; et al: peripheral embolization of diffuse hepatic arteriovenous malformations in a patient with hereditary hemorrhagic telangiectasia. *Cardiovasc Intervent Radiol* 1987; 10: 80
- Derbekyan V See Lisboa R
- Derby KA See Tropp JS
- Derchi LE See Musante F
- Derchi LE See Zappasodi F
- Derchi LE; Ierace T; De Pra L; et al: sonographic appearance of duodenal lesions. *J Ultrasound Med* 1986; 5: 269
- Derchi LE; Reggiani L; Rebaudi F; et al: appendiceal epiploic of the large bowel: sonographic appearance and differentiation from peritoneal seeding. *J Ultrasound Med* 1988; 7: 11
- Derchi LE; Solbiati L; Rizzatto G; De Pra L: normal anatomy and pathologic changes of the small bowel mesentery: US appearance. *Radiology* 1987; 164: 649
- Derda H See Selim MA
- DeRidder PH See Shah KK
- Derin H; Yetkin E; Özkilic H; et al: detection of splenosis by radionuclide scanning. *Br J Radiol* 1987; 60: 873
- Derks WHJ; de Hooge P; van Linghe B: ultrasonographic detection of the patellar plica in the knee. *JCU* 1986; 14: 355
- Derlon JM See Courtheoux P
- Dernevik L; Brölin I; Larsson S; et al: shrinking pleuritis with atelectasis: specificity of abnormalities present at conventional radiography of the lung. (ab). *Radiology* 1986; 159: 286
- de Ronde J See McNally NJ
- De Roos A See Landuyt W
- de Roos A See Falke THM
- de Roos A; Doornbos J; van der Wall EE; et al: MR imaging of acute myocardial infarction: value of Gd-DTPA. *AJR* 1988; 150: 531
- de Roos A; Kressel H; Spritzer C; et al: MR imaging of marrow changes adjacent to end plates in degenerative lumbar disk disease. *AJR* 1987; 149: 531
- de Roos A; van Persijn van Meerten Els L; Bloem JL; et al: MRI of tuberculous spondylitis. *AJR* 1986; 147: 79
- Derover N See Prere J
- De Rosa F See Bezi M
- DeRosa GF See Cohen MD
- Derrig P; O'Connor L; Brammer HM; et al: glioblastoma multiforme masquerading as a more benign process. *AJNR* 1986; 7: 166
- Dershaw DD: male mammography. *AJR* 1986; 146: 127
- Dershaw DD: voice-activated radiology reports. *Radiology* 1988; 167: 284
- Dershaw DD; Helson L: sonographic diagnosis and follow-up of abdominal neuroblastoma. *Urol Radiol* 1988; 10: 80
- Dershaw DD; Malik S: stationary and moving mammography grids: comparative radiation dose. *AJR* 1986; 147: 491
- Dershaw DD; Scher HI: serial transabdominal sonography of bladder cancer. *AJR* 1988; 150: 1055
- Dershaw DD; Shank B; Reisinger S: mammographic findings after breast cancer treatment with local excision and definitive irradiation. *Radiology* 1987; 164: 455
- de Ru VJ See Levensdag PC
- Derugin N See McNamara MT
- Derugin N See Pflugfelder PW
- Derugin N See Tscholakoff D
- Derugin N See Wendland MF
- Dery R See Diethelm L
- Dery R; Lipton MJ; Garrett JS; et al: cine-computed tomography of arrhythmogenic right ventricular dysplasia. *JCAT* 1986; 10: 120
- Desai A See Traflet R
- Desai AG See Intenzo CM
- Desai AG See March DE
- Desai AG; Intenzo C; Park CH; et al: drug-induced gallium uptake in the breasts. *Clin Nucl Med* 1987; 12: 703
- Desai AG; Park CH: renal allograft rejection: unusual scintigraphic findings. *Clin Nucl Med* 1986; 11: 773
- Desai H See Mitchell DG
- Desai K See Pezner RD
- Desai KR; Pezner RD; Lipsett JA; et al: total skin electron irradiation for mycosis fungoides: relationship between acute toxicities and measured dose at different anatomic sites. *Int J Radiat Oncol Biol Phys* 1988; 15: 641
- Desai S See Gutierrez OH
- DeSantis P See Linkow A
- de Santos LA See Dominguez R
- Desbieds MT See Musset D
- Desbieds MT See Pernes JM
- De Schepper A See van Dam PA
- Deschinkel K See Lambrecht L
- Deseran MW; Colletti PM; Ratto D; et al: chronic berylliosis: demonstration by gallium-67 imaging and magnetic resonance imaging. *Clin Nucl Med* 1988; 13: 509
- Deshayes J-L See Fornage BD
- Deshpande SV; DeNardo SJ; Meares CF; et al: Copper-67-labeled monoclonal antibody Lym-1, a potential radiopharmaceutical for cancer therapy: labeling and biodistribution in RAIJ tumor-bearing mice. *J Nucl Med* 1988; 29: 217
- Desilva M See Davies RP
- De Silva M; Lam V; Broadfoot J; C.T. findings of orbital inflammation in children. *Australas Radiol* 1987; 31: 241
- De Silva SM See Blum JE
- DeSimeone D See Gomori JM
- De Simone BC; De Luca F; Maraviglia B; et al: maximum entropy method in phase-encoding NMR imaging. *Magn Res Med* 1987; 4: 78
- De Simone D See Hackney DB
- De Simone DN; Kundel HL; Arenson RL; Seshadri SB; Brilman IS; Khalsa SS; Davey MJ; Brisson NE: effect of a digital imaging network on physician behavior in an intensive care unit. *Radiology* 1988; 169: 41
- De Simone G See De Maria M
- Deslauriers R See Butler KW
- de Slegte RGM See Treu EBWM
- de Slegte RGM See Valk J
- de Slegte RGM; Calame JJ; Burger-de Geus A; et al: histiocytic sarcoma of the brain in childhood. *Eur J Radiol* 1987; 7: 121
- de Slegte RGM; Kaiser MC; van der Baan S; et al: computed tomographic diagnosis of septic sinus thrombosis and their complications. *Neuroradiol* 1988; 30: 160
- de Slegte RGM; Valk J; Kaiser MC: sonography of the postoperative brain: report on 2 years of experience. *Neuroradiol* 1986; 28: 591
- De Smet AA See Becker NJ
- De Smet AA See Fiedler BS
- De Smet AA See Jamieson TW
- De Smet AA See Lindsey HB
- De Smet AA See Rogers LF
- De Smet AA: meniscal tears on knee arthrography: patterns of arthrographic abnormalities. (ab). *Radiology* 1986; 159: 572
- De Smet AA; Robinson RG; Johnson BE; Lukert BP: spinal compression fractures in osteoporotic women: patterns and relationship in hyperkyphosis. *Radiology* 1988; 166: 497
- Desmet VJ See Marchal GJF
- Desnoyers MR See Iner JM
- Desorbay G See Brigueat A
- de Sousa M See Zalutsky MR
- De Spiegeler B; Goethals P; Slegers G; et al: synthesis and radiopharmaceutical preparation of (ethylenediamine) (1-carbon-11-malonate) platinum(II) for PET studies. *J Nucl Med* 1988; 29: 1107
- De Spiegeler B; Slegers G; Vandecasteele C; et al: microscale synthesis of nitrogen-13-labeled cisplatin. *J Nucl Med* 1986; 27: 399
- Despres E See Mathieu E
- Dessard-Diana B See Housset M
- Desser TS See Rapoport S
- Destee A See Steinling M
- de Stefano G See Giorgio A
- de Stempel JV See Bret PM
- Destian S; Hernanz-Schulman M; Rankin K; et al: case report 468. *Skeletal Radiol* 1988; 17: 141
- Destouet JM See Gohagan JK
- Destouet JM See Monsees B
- Deter RL See Rossavik IK
- Deter RL See Warda A
- Deter RL; Rossavik IK; Cortisox C; et al: longitudinal studies of thigh circumference growth in normal fetuses. *JCU* 1987; 15: 388
- Deter RL; Rossavik IK; Harriat RB: development of individual growth curve standards for estimated fetal weight: I. weight estimation procedure. *JCU* 1988; 16: 215
- Deter RL; Rossavik IK; Hill RM; et al: longitudinal studies of femur growth in normal fetuses. *JCU* 1987; 15: 299
- Deter RL; Warda A; Rossavik IK; et al: fetal thigh circumference: critical evaluation of its relationship to menstrual age. *JCU* 1986; 14: 105
- Dethlefsen LA; Biaglow JE; Peck VM; et al: toxic effects of extended glutathione depletion by buthionine sulfoximine on murine mammary carcinoma cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1157
- Detmar M See Bilen S
- Detrano R See Bellamy GR
- Detrano R; Moodie DS; Gill CC; et al: intravenous digital subtraction arteriography in the preoperative and postoperative evaluation of Marfan's aortic disease. (ab). *Radiology* 1986; 158: 573
- Detrano R; Salcedo EE; Hobbs RE; et al: cardiac cinefluoroscopy as an inexpensive aid in the diagnosis of coronary artery disease. (ab). *Radiology* 1986; 161: 860
- Deugnier Y See Bretagne J-F
- Deuskar V; Martin LFW; Leung W: renal lymphoma: unusual example. *J Canad Assoc Radiol* 1987; 38: 133
- Deutsch BM See Fishman EK
- Deutsch SJ; Sandler MA; Alpern MB: abdominal lymphadenopathy in benign diseases: CT detection. *Radiology* 1987; 163: 335
- Deutsch SJ; Sandler MA; Tankanow LB: abdominal lymphadenopathy in sarcoidosis. *J Ultrasound Med* 1987; 6: 237
- Deutsch AM See Schatz SL
- Deutsch AS See van Breda A
- Deutsch D See Senac MO Jr
- Deutsch E; Hirth W: in vivo inorganic chemistry of technetium cations. *J Nucl Med* 1987; 28: 1491
- Deutsch E; Venderheyden J-L; Gerundini P; et al: development of nonreducible technetium-99m(III) cations as myocardial perfusion imaging agents: initial experience in humans. *J Nucl Med* 1987; 28: 1870
- Deutsch EA See Maxon HR
- Deutsch EC; Schild JA; Mafee MF: dysphagia and Forester's disease. (ab). *Radiology* 1986; 159: 574
- Deutsch L-S: percutaneous removal of intracardiac Greenfield vena caval filter. *AJR* 1988; 151: 677
- Deutsch M See Blatt J
- Deutsch M See Fisher B
- Deutsch M See Flickinger JC
- Deutsch M See Mittal BB
- Deutsch M: breast sites. *Int J Radiat Oncol Biol Phys* 1988; 14: 5147
- Deutsch M: medulloblastoma: staging and treatment outcome. *Int J Radiat Oncol Biol Phys* 1988; 14: 1103
- Deutsch M; Parsons JA; Mittal BB: radiation therapy for local-regional recurrent breast carcinoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 2061
- Deutz NEP See de Graaf AA
- Devathali R See Naseem M
- DeVeber LL See Webster DL
- Devereux CK; Vidaver R; Hafstein MP; et al: total lymphoid irradiation for multiple sclerosis. *Int J Radiat Oncol Biol Phys* 1988; 14: 197
- Devereux RB; Alonso DR; Lutas EM; et al: echocardiographic assessment of left ventricular hypertrophy: comparison to necropsy findings. (ab). *Radiology* 1986; 160: 859
- Devi PU See Gupta R
- Devine W See Sharma S
- Devineni VR See Glazer HS
- de Visser M; Verbeeten B J; Lyppens KCH: pseudohypertrophy of the calf following S1 radiculopathy. *Neuroradiol* 1986; 28: 279
- De Vita VT; Lippman M; Hubbard SM; et al: effect of combined modality therapy on local control and survival. *Int J Radiat Oncol Biol Phys* 1986; 12: 487
- De Vito PD See Hensinger RN
- Devitt JE: benign disorders of the breast in older women. (ab). *Radiology* 1986; 160: 857
- Devogelaar JP; Malgheem J; Maudgale B; et al: radiological manifestations of bisphosphonate treatment with APD in a child suffering from osteogenesis imperfecta. *Skeletal Radiol* 1987; 16: 360
- De Vore GR; Brar HS; Platt LD: Doppler ultrasound in the fetus: a review of current applications. *JCU* 1987; 15: 687
- De Vore GR; Platt LD: ultrasound appearance of particulate matter in amniotic cavity: vernix or meconium? *JCU* 1986; 14: 229

- DeVore GR; Sarti DA; Siasl B; et al: prenatal diagnosis of cardiovascular malformations in the fetus with situs inversus viscerum during the second trimester of pregnancy, *JCU* 1986; 14: 454
- DeVore GR; Siasl B; Platt LD: fetal echocardiography: prenatal diagnosis of tricuspid atresia (type Ic) during the second trimester of pregnancy, *JCU* 1987; 15: 317
- De Vos L See Kerschoot EA
- Devous MD See Homan RW
- de Vries AJ See Varkamp AE
- de Vries BC See Puylaert JBCM
- DeVries DF See Eisenberg B
- De Vries LS; Reggev R; Connell JA; et al: localized cerebral infarction in the premature infant: an ultrasound diagnosis correlated with computed tomography and magnetic resonance imaging, (ab), *Radiology* 1988; 168: 591
- De Vries LS; Reggev R; Dubowitz LMS: late onset cystic leucodystrophy, (ab), *Radiology* 1986; 161: 864
- deVries N; Datz FL; Manaster BJ: case report 399, *Skeletal Radiol* 1986; 15: 658
- de Vries P See Levine E
- DeVries WC See Zenger GH
- de Vries-Knoppert WAEJ See Hunink MGM
- De Vuyst P; Vande Weyer R; De Coster A; et al: dental technician's pneumoconiosis: report of two cases, (ab), *Radiology* 1986; 160: 283
- de Waal FC See Taets ven Amerongen AHM
- Dewaele D See Wilms GE
- Dewar JA; Sarrazin D; Benhamou E; et al: management of the axilla in conservatively treated breast cancer: 592 patients treated at Institut Gustave-Roussy, *Int J Radiat Oncol Biol Phys* 1987; 13: 475
- Dewbury KC See Colquhoun IR
- Dewbury KC See Guyer PB
- DeWeese JA See Ricotta JJ
- DeWeese R See Magliante DDT
- Dewey C See Luning M
- Dewhurst MW See Engler MJ
- Dewhurst MW See Gillette EL
- Dewhurst MW See McChesney SI
- Dewitt L: combined treatment of radiation and cis-diamminedichloroplatinum (II): review of experimental and clinical data, *Int J Radiat Oncol Biol Phys* 1987; 13: 403
- Dewitt L; Oussoren Y: vascular injury in the mouse rectum after irradiation and cis-diamminedichloroplatinum (II), *Br J Radiol* 1987; 60: 1037
- Dewitt L; Oussoren Y; Bartelink H: effects of cis-diamminedichloroplatinum (II) and radiation on the proliferation kinetics of mouse duodenal crypt cells and on a partially synchronized crypt cell population, *Int J Radiat Oncol Biol Phys* 1986; 12: 1977
- DeWitt JD See Osborn RE
- de Witte BR; Lameris JS: real-time ultrasound diagnosis of internal jugular vein thrombosis, *JCU* 1986; 14: 712
- De Wolf-Peters C See Perrone T
- DeWyngaert JK See Kalnicki S
- DeWyngaert JK; Siddons RL; Bjarnagard BE: scatter dose summation for irregular fields: speed and accuracy study, *Int J Radiat Oncol Biol Phys* 1986; 12: 839
- Dey HM; Karimeddini MK; Ciesielski TE; et al: radiogallium hot spleen in Trousseau's syndrome with splenic vein occlusion, *Clin Nucl Med* 1986; 11: 640
- Dey HM; Kassamali H: radionuclide evaluation of doxorubicin cardiotoxicity: the need for cautious interpretation, *Clin Nucl Med* 1988; 13: 565
- Dey HM; Spencer RP: asymmetrical humeral head activity after therapeutic irradiation, *Clin Nucl Med* 1988; 13: 681
- Deyo RA; Diehl AK; Rosenthal M: reducing roentgenography use: can patient expectations be altered?, (ab), *Radiology* 1987; 163: 591
- Dhala B See Jayanthi V
- Dharmasena F; Wickham N; McHugh PJ; et al: osteolytic tumors in acute megakaryoblastic leukemia, (ab), *Radiology* 1987; 163: 840
- Dhawan V See Ginos JZ
- Dhekne RD See Howard JL
- Dhekne RD See Tien R
- Dhekne RD; Barron BJ; Koch ER: radionuclide venography in pregnancy, *J Nucl Med* 1987; 28: 1290
- Dhekne RD; Moore WH; Long SE; et al: tuberculous pseudotumor of the liver, *Clin Nucl Med* 1987; 12: 816
- Dhienisiri T; Puapairoj S; Sussangrath W: pulmonary melioidosis: clinical-radiologic correlation in 183 cases in northeastern Thailand, *Radiology* 1988; 166: 711
- Dhillon DP See Thompson PJ
- Dhillon JS See Monseil LH
- D'Hoedt M See Baert L
- Dhruvadar RW See Manga P
- Diaconis JN See Mirvis SE
- Diakoumakis EE See Weinberg B
- Diakoumakis EE; Weinberg B; Mollin J: prenatal sonographic diagnosis of suprasellar arachnoid cyst, *J Ultrasound Med* 1986; 5: 529
- Diakoumakis EE; Weinberg B; Seife B; et al: infantile hemangioma of the liver, *JCU* 1986; 14: 137
- Diamant MJ See Kangarloo H
- Diamant MJ See Stanley P
- Diamant MJ: is ultrasound screening for urinary tract infection "cost effective"? *Pediatr Radiol* 1988; 18: 157
- Diamant MJ; Bird CR; Stanley P: outpatient performance of invasive radiologic procedures in pediatric patients, *Radiology* 1988; 166: 401
- Diamant MJ; Senac MO Jr; Gilsanz V; et al: prevalence of incidental paranasal sinus opacification in pediatric patients: a CT study, *JCAT* 1987; 11: 426
- Diamant MJ; Stanley P: two unusual duplication anomalies of the urinary tract: use of percutaneous urography, *Urol Radiol* 1987; 9: 185
- Diamant MJ; Stanley P: use of midazolam for sedation of infants and children, *AJR* 1988; 150: 377
- Diamant MJ; Stanley P; Roehrich MJ; et al: pediatric hypertension: approach to imaging, *Pediatr Radiol* 1986; 16: 461
- Diamant MJ; Stanley P; Kangarloo H; et al: percutaneous aspiration and catheter drainage of abscesses, (ab), *Radiology* 1986; 160: 575
- Diamond AB See Appelbaum YN
- Diamond J See Davis LW
- Diamond JJ See Bassett LW
- Diamond JJ See Gillespie BW
- Diamond JJ See Hanks GE
- Diamond JJ; Hanks GE; Kramer S: structure of radiation oncology practices in the continental United States, *Int J Radiat Oncol Biol Phys* 1988; 14: 547
- Diamond JJ; Kramer S; Hanks GE: trends in radiation therapy demographics—1974 to 1983, *Int J Radiat Oncol Biol Phys* 1986; 12: 1673
- Diamond JN See Zwerling HK
- Diamond NG See Sherry CS
- Diard F See Kozlowski K
- Diard F; Nicolau A; Bernard S: intra-renal reflux: new cause of medullary hyperchogenicity?, *Pediatr Radiol* 1987; 17: 154
- Dias I See Hernandez RJ
- Dias MHM; Lauterbur PC: ferromagnetic particles as contrast agents for magnetic resonance imaging of liver and spleen, *Magn Res Med* 1986; 3: 328
- Diaz RF See Frasso BA
- Diaz RF See Ten Haken RK
- Di Bari M See Pini R
- DiBartolomeo JR: petrified auricle: comments on ossification, calcification and exostoses of the external ear, (ab), *Radiology* 1986; 159: 287
- DiCandia G; Mosca F; Campatelli A; et al: endosonographic staging of rectal carcinoma, *Gastrointest Radiol* 1987; 12: 289
- DiCandia G; Mosca F; Campatelli A; et al: sonographic detection of poststructural recurrence of Crohn disease, *AJR* 1986; 146: 523
- Dicapua L See Baker LL
- DiCarmino F See Batton DG
- Di Chiro G See Bairamian D
- Di Chiro G See Brooks RA
- Di Chiro G See Doppman JL
- Di Chiro G See Hatazawa J
- Di Chiro G See Ito M
- Di Chiro G See Levy LM
- Di Chiro G See Pastakia B
- Di Chiro G: positron emission tomography using [¹⁸F] fluorodeoxyglucose in brain tumors: powerful diagnostic and prognostic tool, *Invest Radiol* 1987; 22: 360
- Di Chiro G: serpentine (not seriginous) vessels in spinal arteriovenous malformations, *Radiology* 1988; 166: 286
- Di Chiro G; Brooks RA; Gilton ME; et al: sequential MR studies of intracerebral hematomas in monkeys, *AJNR* 1986; 7: 193
- Di Chiro G; Gilton ME; Frank JA; Dietz MJ; Gansow OA; Wright DC; Dwyer AJ: cerebrospinal fluid rhinorrhea: depiction with MR cisternography in dogs, *Radiology* 1986; 160: 221
- Di Chiro G; Hatazawa J; Katz DA; Rizzoli HV; De Michele DJ: glucose utilization by intracranial meningiomas as an index of tumor aggressivity and probability of recurrence: a PET study, *Radiology* 1987; 164: 521
- Di Chiro G; Oldfield E; Wright DC; et al: cerebral necrosis after radiotherapy and/or intraarterial chemotherapy for brain tumors: PET and neuropathologic studies, *AJNR* 1987; 8: 1083
- Dick BW; Mitchell DG; Burk DL; et al: effect of chemical shift misrepresentation on cortical bone thickness on MR imaging, *AJR* 1988; 151: 537
- Dick D See Vail A
- Dick DJ See Parnell AP
- Dick R See Allison MC
- Dick R See Seltzer SE
- Dick R See Sherlock S
- Dick R; Flatts A; Gilford J; et al: Carey-Cooms percutaneous biliary endoprosthesis: three-center experience in 87 patients, *Clin Radiol* 1987; 38: 175
- Dickens DRV See Howat AJ
- Dicker D See Samuel N
- Dickerhoff R See Schneider K
- Dickey JE; Haaga JR; Stellato TA; et al: evaluation of computed tomography guided percutaneous biopsy of the pancreas, (ab), *Radiology* 1987; 163: 586
- Dickey KW See Baumgartner BR
- Dickhaus AJ See McNeely GF
- Dickinson RJ See Dunlop PRC
- Dickinson RJ; Hall AS; Hind AJ; et al: measurement of changes in tissue temperature using MR imaging, *JCAT* 1986; 10: 468
- Dickson DW; Horoupian DS; Thal LJ; et al: gliomatosis cerebri presenting with hydrocephalus and dementia, *AJNR* 1988; 9: 200
- Dickson RJ; Flores AD: nasopharyngeal carcinoma: evaluation of 134 patients treated between 1971-1980, (ab), *Radiology* 1986; 158: 861
- Didier D See von Schulthess GK
- Didier D See Weill F
- Didier D: congenital heart disease: gated MR imaging in 72 patients: reply, *Radiology* 1986; 161: 278
- Didier D; Higgins CB: estimation of pulmonary vascular resistance by MRI in patients with congenital cardiovascular shunt lesions, *AJR* 1986; 146: 919
- Didier D; Higgins CB: identification and localization of ventricular septal defect by gated magnetic resonance imaging, (ab), *Radiology* 1987; 162: 296
- Didier D; Higgins CB; Fisher MR; Osaki L; Silverman NH; Chetlin MD: congenital heart disease: gated MR imaging in 72 patients, *Radiology* 1986; 158: 227
- Didier D; Racie A; Etievent JP; Weill F: tumor thrombus of the inferior vena cava secondary to malignant abdominal neoplasms: US and CT evaluation, *Radiology* 1987; 162: 83
- Didier F See Avni EF
- Didier F See Hoeft JC
- Didolkar MS See Keramati B
- Di Donna A; Rizzatto G: pyocoele of the scrotum: sonographic demonstration of fluid-fluid level and a gas-forming component, *J Ultrasound Med* 1986; 5: 99
- Diebold MD See Amico S
- Diebold P See Fawer CL
- Dieden JD; Frlilou LA III; Renner JW: pulmonary artery false aneurysm secondary to Swan-Ganz pulmonary artery catheters, *AJR* 1987; 149: 901
- Diehl AK See Deyo RA
- Diehl JT See Suss RA
- Diehl JT; Moon B; LeClerc Y; et al: acute type A dissection of the aorta: surgical management with the sutureless intraluminal prosthesis, (ab), *Radiology* 1987; 165: 586
- Diehl LF See Hopper KD
- Diemer A: central venous silastic catheters in newborns: localization by sonography and radiology, *Pediatr Radiol* 1987; 17: 15
- Diener-West M See Laramore GE
- Diener-West M See Nelson DF
- Dieppe P See Hamilton-Wood C
- Dieppe PA See Collis CH
- Diemann JL; Runge M; Badoz A; et al: radiology of posterior lumbar apophyseal ring fractures: report of 13 cases, *Neuroradiol* 1988; 30: 337
- Diemann JL; Sick H; Wolfram-Gabel R; et al: anatomy and computed tomography of the human lumbosacral plexus, *Neuroradiol* 1987; 28: 38
- Diethelm L; Derry R; Lipton MJ; Higgins CB: atrial-leads shunts: sensitivity and specificity of MR in diagnosis, *Radiology* 1987; 162: 181
- Dietrich RB See Kangarloo H
- Dietrich RB See Lufkin RB
- Dietrich RB See Teresi LM
- Dietrich RB See Walker HS
- Dietrich RB; Bradley WG Jr: iron accumulation in the basal ganglia following severe ischemic anoxic insults in children, *Radiology* 1988; 168: 203
- Dietrich RB; Bradley WG Jr: normal and abnormal white matter maturation, *Semin US CT MR* 1988; 9: 192
- Dietrich RB; Bradley WG; Zaragoza EJ IV; et al: MR evaluation of early myelination patterns in normal and developmentally delayed infants, *AJNR* 1988; 9: 69
- Dietrich RB; Kangarloo H: kidneys in infants and children: evaluation with MR, *Radiology* 1986; 159: 215

- Dietrich RB; Kangaroo H: pelvic abnormalities in children: assessment with MR imaging. *Radiology* 1987; 163: 367
- Dietrich RB; Kangaroo H: retroperitoneal mass with intradural extension: value of magnetic resonance imaging in neuroblastoma. *AJR* 1986; 146: 251
- Dietrich RB; Kangaroo H; Lenarsky C; et al: neuroblastoma: the role of MR imaging. *AJR* 1987; 148: 937
- Dietrich RB; Lufkin RB; Kangaroo H; Hanafee WN; Wilson GH: head and neck MR imaging in the pediatric patient. *Radiology* 1986; 159: 769
- Dietrich U See Roosen N
- Dietz ER See El-Khoury GY
- Dietz G See Morrissey GJ
- Dietz GW; Wilcox DM; Montgomery JB: Second tibial condyle fracture: lateral capsular ligament avulsion. *Radiology* 1986; 159: 467
- Dietz MJ See Di Chiro G
- Dieumegarde M See Peters TM
- Diez C See Ramos A
- Diffey BL See Jago JR
- Diggs J; Price AC; Burt AM; et al: early changes in experimental hydrocephalus. *Invest Radiol* 1986; 21: 118
- DiGiulio W See Szapary WE
- Di Guglielmo GL See Tamburrini O
- Dike DH See Heller RM
- Dikengil A; Benson M; Sanders L; et al: MRI of multicystic cystic nephroma. *Urol Radiol* 1988; 10: 95
- Dikman SH See Mitty HA
- Dikman SH See Train JS
- Diksic M See Chaly T
- Diksic M See Tyler JL
- Dillard JP; Edwards DK; Leopold GR: meconium peritonitis masquerading as fetal hydrops. *J Ultrasound Med* 1987; 6: 49
- Dillard JP; Talner LB; Pinckney L: normal renal papillae simulating caliceal filling defects on sonography. *AJR* 1987; 148: 895
- Dillehay DL See McVeigh MC
- Dillehay GL See Spies WG
- Dilley RB See Bernstein EF
- Dillihunt KR See Elmore JR
- Dillman R See Halpern SE
- Dillman RO See Hagan PL
- Dillman RO See Ryan KP
- Dillon EC See Levine MS
- Dillon FW See Stolar CJH
- Dillon T See Strife JL
- Dillon WP See Gooding GAW
- Dillon WP See Olsen WL
- Dillon WP See Randal S
- Dillon WP See Scotti G
- Dillon WP: applications of magnetic resonance imaging to the head and neck. *Semin US CT MR* 1986; 7: 202
- Dillon WP: magnetic resonance imaging of head and neck tumors. *Cardiovasc Intervent Radiol* 1986; 8: 275
- Di Lorenzo G; Piepaz A; Ham H; et al: gastric emptying with gastro-esophageal reflux. (ab). *Radiology* 1988; 167: 591
- Dilworth LR See Buckwalter KA
- Dimand RJ See Moonen CTW
- Dimery I See Lee Y-Y
- Dimery IW See Peters LJ
- Dimick RN; Hedlund LW; Herfkens RJ; et al: optimizing electrocardiograph electrode placement for cardiac-gated magnetic resonance imaging. *Invest Radiol* 1987; 22: 17
- diMonda R See Steinberg EP
- Dina T See Francavilla TL
- Dina TS See Narang AK
- Dinarello CA; Cannon JG; Wolff SM: new concepts on the pathogenesis of fever. (ab). *Radiology* 1988; 169: 888
- Dinari G See Libson E
- Dine MS See Babcock DS
- Diner WC: duodenal perforation during intubation for small bowel enema study. *Radiology* 1988; 168: 39
- Dines KA See Brink JA
- Dinh ST See Pappata S
- Dinkel E See Roeren T
- Dinkel E See Wenz W
- Dinkel E; Dietrich M; Peters H; et al: real-time ultrasound in Crohn's disease: characteristic features and clinical implications. *Pediatr Radiol* 1986; 16: 8
- Dinkel E; Orth S; Dietrich M; et al: renal sonography in the differentiation of upper from lower urinary tract infection. *AJR* 1986; 146: 775
- Dinsmore BJ; Pollack HM; Banner MP: calcified transitional cell carcinoma of the renal pelvis. *Radiology* 1988; 167: 401
- Dinsmore RE See Edelman RR
- Dinsmore RE See Miller SW
- Dinsmore RE See Strateimer EJ
- Dinsmore RE: quantitation of cardiac dimensions from ECG-synchronized MRI studies. *Cardiovasc Intervent Radiol* 1987; 10: 356
- Dinsmore RE; Liberman RR; Wisner GL; et al: magnetic resonance imaging of thoracic aortic aneurysms: comparison with other imaging methods. *AJR* 1986; 146: 309
- Dinsmore RE; Wedeen VJ; Miller SW; et al: MRI of dissection of the aorta: recognition of the intimal tear and differential flow velocities. *AJR* 1986; 146: 1286
- Dinsmore RE; Wedeen VJ; Rosen B; et al: phase-offset technique to distinguish slow blood flow and thrombus on MR images. *AJR* 1987; 148: 634
- Diokno AC See Chapman JP
- Dion FM; Venger BH; Landon G; et al: thalamic histoplasmosis: CT and MR imaging. *JCAT* 1987; 11: 193
- Dion JE; Gates PC; Fox AJ; et al: clinical events following neuroangiography: a prospective study. (ab). *Radiology* 1988; 169: 589
- Dion JE; Rankin RN; Vinsuela FV; Fox AJ; Wallace AC; Mervat M: dextran microsphere embolization: experimental and clinical experience with radiologic-pathologic correlation. work in progress. *Radiology* 1986; 160: 717
- Dionet C; Oberlin O; Habrand JL; et al: initial chemotherapy and low-dose radiation in limited fields in childhood Hodgkin's disease: results of a joint cooperative study by the French Society of Pediatric Oncology (SFOP) and Hôpital Saint-Louis, Paris. *Int J Radiat Oncol Biol Phys* 1988; 15: 341
- Di Piero V See Perani D
- Di Piero V; Caneschi S; Bosio CB; et al: cerebral arterial spasm after subarachnoid hemorrhage: case report with SPECT and iodine-123 HIPDM. *Clin Nucl Med* 1987; 12: 395
- DiPietro MA See Bland PH
- DiPietro MA See Blane CE
- DiPietro MA See Bowerman RA
- DiPietro MA See Cook KL
- DiPietro MA See Keller MS
- DiPietro MA See Rubin JM
- DiPietro MA See White SJ
- DiPietro MA; Brody BA; Teale RL: peritrigonal echogenic "blush" on cranial sonography: pathologic correlates. *AJNR* 1986; 7: 385
- DiPietro MA; Faix RG; Donn SM: procedural hazards of neonatal ultrasonography. *JCU* 1986; 14: 361
- DiPietro MA; Venes JL; Rubin JM: Arnold-Chiari II malformation: intraoperative real-time US. *Radiology* 1987; 164: 799
- Di Prima F See Calabro A
- DiRaimondo CR See Casey TT
- Diren HB; Kutluk MT; Karabent A; et al: primary hypertrophic osteoarthropathy. *Pediatr Radiol* 1986; 16: 231
- Di Ruggiero JM See Dobois JB
- DiSantis DJ See Weinstein JA
- Disantle DJ See Zerhouni EA
- DiSantis DJ: early American radiology: pioneer years. *AJR* 1986; 147: 850
- DiSantis DJ; Cramer MS; Scatarige JC: excretory urography in the emergency department: utility of teleradiology. *Radiology* 1987; 164: 363
- Dische S See Saunders MI
- Dische S See Wilson GD
- Dische S; Saunders MI; Bennett MH; et al: comparison of the tumour concentrations obtainable with misonidazole and Ro 03-8799. *Br J Radiol* 1986; 59: 911
- Dische S; Saunders MI; Dunphy EP; et al: concentrations achieved in human tumors after administration of misonidazole. *SR-2508 and RO 03-8799*. *Int J Radiat Oncol Biol Phys* 1986; 12: 1109
- Dische S; Saunders MI; Warburton MF: hemoglobin, radiation, morbidity and survival. *Int J Radiat Oncol Biol Phys* 1986; 12: 1335
- Dische S; Warburton MF; Saunders MI: radiation myelitis and survival in the radiotherapy of lung cancer. *Int J Radiat Oncol Biol Phys* 1988; 15: 75
- DiSciascio G See Tatum JL
- DiSciascio G; Vetrovec GW; Cowley MJ; et al: early and late outcome of percutaneous transluminal angioplasty for subacute and chronic total coronary occlusion. (ab). *Radiology* 1987; 163: 292
- Dise CA See Rubenstein JB
- Di Sessa TG See Lin AE
- Di Simone RN See Hedrick WR
- Dissing I See Praestholm J
- Distante V See Dinkel E
- Dittrich M See Dinkel E
- Dittrich M See Doehring E
- Dittrich M; Doehring E: ultrasonographical aspects of urinary schistosomiasis: assessment of morphological lesions in the upper and lower urinary tract. *Pediatr Radiol* 1986; 16: 225
- Divgi CR; Lisann NM; Yeh SD; et al: technetium-99m albumin scintigraphy in the diagnosis of protein-losing enteropathy. *J Nucl Med* 1986; 27: 1710
- Divine M See Mathieu D
- Dixon M See Westgren M
- Dixon AK See Stockley I
- Dixon AK: who has most epidural fat? information from computed tomography. *Br J Radiol* 1986; 59: 475
- Dixon AK; Bannan RP: computed tomography of the post-operative lumbar spine: the need for, and optimal dose of, intravenous contrast medium. *Br J Radiol* 1987; 60: 215
- Dixon AK; Ellis M; Sikora K: computed tomography of testicular tumours: distribution of abdominal lymphadenopathy. *Clin Radiol* 1986; 37: 519
- Dixon GD; Anderson S; Crouch TT: renal arterial rupture secondary to percutaneous transluminal angioplasty treated without surgical intervention. *Cardiovasc Intervent Radiol* 1986; 9: 53
- Dixon GD; Farthing DG; Longson F: double-coated medical tape modification of finger trap method for anchoring drainage catheters to the skin. *Cardiovasc Intervent Radiol* 1986; 9: 113
- Dixon LB See Levin DN
- Dixon PM; Fletcher EWL: peripheral angiography in a standard fluoroscopy room. *Br J Radiol* 1987; 60: 923
- Dixon PM; Nolan DJ: diagnosis of Meckel's diverticulum: a continuing challenge. *Clin Radiol* 1987; 38: 615
- Dixon WT See Gohagan JK
- Dixon WT: separation of diffusion and perfusion in intravoxel incoherent motion MR imaging: a modest proposal with tremendous potential. *Radiology* 1988; 168: 566
- Dixon WT; Brummer ME; Malko JA: acquisition order and motional artifact reduction in spin warp images. *Magn Res Med* 1988; 6: 74
- Dixon WT; Du LN; Faul DD; et al: projection angiograms of blood labeled by adiabatic fast passage. *Magn Res Med* 1986; 3: 454
- Dixon-Brown A See Hopewell JW
- Dixon-Brown A; Hopewell JW: calculation of absorbed doses for radiobiological studies involving the use of small irradiation fields. *Br J Radiol* 1988; 61: 261
- Djanc WT See Farzaneh F
- Djanc WT See Gamba JL
- Djanc WT See Gray L
- Djanc WT See Warren LP Jr
- Djanc WT See Woodruff WW Jr
- Djerf K; Edholm P; Hedbrant J: simplified roentgen stereophotogrammetric method: analysis of small movements between the prosthetic stem and the femur after total hip replacement. *Acta Radiol* 1987; 28: 603
- Djindjian M; Brugieres P; Razavi-Encha F; et al: post-operative intracranial foreign body granuloma: a case report. *Neuroradiol* 1987; 29: 497
- Djuricic Z See Babic UU
- Dmchowski C See Mountz JM
- Dmchowski CF See Beierwaltes WH
- Doan HT See Gonzalez CF
- Doballian DM See Ralls FW
- Dobben GD See Wilbur AC
- Dobbins JT III See Hasegawa BH
- Dobbelbower RR See Bagne F
- Dobkin GR See Levy HM
- Dobois JB; Guerrier B; Di Ruggiero JM; Fourquier H: cancer of the piriform sinus: treatment by radiation therapy alone and with surgery. *Radiology* 1986; 160: 831
- Dobranowski J See Doris CI
- Dobranowski J; Martin LFW; Bennett WF: CT evaluation of posterior mediastinal teratoma. *JCAT* 1987; 11: 156
- Dobranowski J; Somers S; Pirani M: adult polycystic horseshoe kidney. *J Canad Assoc Radiol* 1986; 37: 208
- Dobrowsky W: treatment of choroid metastases. *Br J Radiol* 1988; 61: 140
- Dobry CA See Gurney JW
- Dobson HM; Robertson DAR: case report: balloon catheter dilatation of an ileocolic stricture. *Clin Radiol* 1988; 39: 202
- Dobson PP See Kinsella TJ
- Dock W See Grabenwöger F
- Dock W; Grabenwöger F; Bardach G; et al: unusual cause of haemobilia. *Br J Radiol* 1987; 60: 1228
- Docker WP See Hall FM
- Docker MF See Maxwell CA
- Doda SS See Buxi TBS
- Doda SS; Mathur RK; Buxi TS: role of computed tomography in staging of renal cell carcinoma. *Comput Radiol* 1986; 4: 183
- Do-dai-Do; Mahler F; Triller J; et al: combination of short- and long-term catheter thrombolysis for peripheral arterial occlusion. *Eur J Radiol* 1987; 7: 235
- Dodd GD See Elkin M
- Dodd GW; Ibbertson HK; Fraser TRC; et al: radiological assessment of Paget's disease of bone after treatment with the bisphosphonates EHDP and APD. *Br J Radiol* 1987; 60: 849

- Doddrell DM; Galloway GJ; Brooks WM; et al:** utilization of two frequency-shifted sinc pulses for performing volume-selected in vivo NMR spectroscopy. *Magn Res Med* 1986; 3: 970
- Doddrell DM See Brooks WM**
- Doddrell DM; Galloway GJ; Breton IM; et al:** nodal inhomogeneity mapping by localized excitation—the "NIMBLE" shimming technique for high-resolution in vivo NMR spectroscopy. *Magn Res Med* 1988; 7: 352
- Dodds L See Daniels JR**
- Dodds WJ See Chintapalli K**
- Dodds WJ See Darweesh RMA**
- Dodds WJ See Kishk SMA**
- Dodds WJ See Middleton WD**
- Dodds WJ See Olson DL**
- Dodds WJ:** pathogenesis of gastroesophageal reflux disease. *AJR* 1988; 151: 49
- Dodds WJ; Darweesh RMA; Lawson TL; et al:** retroperitoneal spaces revisited. *AJR* 1986; 147: 1155
- Dodds WJ; Man KM; Cook JJ; et al:** influence of bolus volume on swallow-induced hydromovement in normal subjects. *AJR* 1988; 150: 1307
- Dodds WJ; Stewart ET; Kishk SM; et al:** radiologic amyloid nitrite test for distinguishing pseudocholalasia from idiopathic achalasia. *AJR* 1986; 146: 21
- Dodge HT See Sheehan FH**
- Doerge TC See Hendee WR**
- Doerge TC; Hendee WR:** radon in homes: determining risks and preventing exposures. *Semin Nucl Med* 1988; 18: 10
- Doehring E See Ditttrich M**
- Doehring E; Reider F; Ditttrich M; et al:** ultrasonographic findings in the livers of patients with lepromatous leprosy. *JCU* 1986; 14: 179
- Doemeny JM; Banner MP; Shapiro MJ; et al:** percutaneous extraction of renal fungoid ball. *AJR* 1988; 150: 1331
- Doemeny JM; Burke DR; Meranze SG:** percutaneous drainage of abscesses in patients with Crohn's disease. *Gastrointest Radiol* 1988; 13: 237
- Doernz F See Schnyder P**
- Doepfner W See Rudin M**
- Doering PR See Conces DJ Jr**
- Doershuk CF See Tomashefski JF Jr**
- Dogra B See Rajani M**
- Dohan FC Jr See Clark WC**
- Doherty FJ; Mullins TL; Sant GR; et al:** testicular microlithiasis: unique sonographic appearance. *J Ultrasound Med* 1987; 6: 389
- Doherty MA; Rodger A; Langlands AO:** sarcoma of bone following therapeutic irradiation for breast carcinoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 103
- Doherty P See Kaptopoulos V**
- Doherty PW See Waite RJ**
- Doi K See Feil LI**
- Doi K See Fujita H**
- Doi K See MacMahon H**
- Doi K; Fujita H; Ohara K; Ono K; Matsui H; Giger ML; Chan H-P:** digital radiographic imaging system with multiple-slit scanning x-ray beam: preliminary report. *Radiology* 1986; 161: 513
- Doi O See Kuriyama K**
- Dokita T See Kondo M**
- Dokoh S See Yasuda Y**
- Dolan E See Khoury MB**
- Dolan KD See Smoker WRK**
- Dolanc B See Remagen W**
- Dolinskas CA; Simeone FA:** CT characteristics of intraventricular oligodendrogliomas. *AJNR* 1987; 8: 1077
- Doll DC; Weiss RB:** malignant lymphoma of the testis. (ab). *Radiology* 1987; 163: 290
- Dollberg M See Kaplan M**
- Dolmatch BL; Lefing FC; Federle MP; Jeffrey RB Jr; Cello J:** AIDS-related cholangitis: radiographic findings in nine patients. *Radiology* 1987; 163: 313
- Dolovich M See Coates G**
- Domanowski A See Lee JY**
- Dominguez R; Cuervas-Mons V; Van Thiel DH; et al:** radiographic features of liver allograft rejection. *Gastrointest Radiol* 1986; 11: 326
- Dominguez R; de Santos LA:** traumatic pseudoaneurysm of the anterior tibial artery simulating soft tissue malignancy. *Skeletal Radiol* 1986; 15: 622
- Dominguez R; Oh KS; Young LW; et al:** acute chondrolysis complicating Legg-Calve-Perthes disease. *Skeletal Radiol* 1987; 16: 377
- Dominguez R; Weingrau RA; Santamaria M:** pulmonary hyperinflation and emphysema in infants with the Marfan syndrome. *Pediatr Radiol* 1987; 17: 365
- Dommers M See Ramsey RG**
- Domstad PA See Shih W-J**
- Domstad PA; Shih W-J; Humphries L; et al:** radionuclide gastric emptying studies in patients with anorexia nervosa. *J Nucl Med* 1987; 28: 816
- Don C:** 1987 Gordon Richards Memorial Lecture: the future of radiography—cassetteless or filmless? *J Canad Assoc Radiol* 1988; 39: 83
- Don C:** experience with the first cassetteless radiology department. *AJR* 1987; 149: 1069
- Don C:** tracheal parallax in the assessment of mediastinal shift. *J Canad Assoc Radiol* 1987; 38: 87
- Donadieu AM; Harli C; Cardinal A; et al:** incidence of ventricular fibrillation during coronary arteriography in the rabbit: comparative study of isotonic ioxaglate and iohexol. *Invest Radiol* 1987; 22: 106
- Donadio M See Giaccone G**
- Donald RT See Smith FW**
- Donaldson JD See Moorehead RJ**
- Donaldson JS See Cormier PJ**
- Donaldson JS See Fernbach SK**
- Donaldson JS See Fitzgerald SW**
- Donaldson JS See Gilsanz V**
- Donaldson JS See Vogelzang RL**
- Donaldson JS; Gilsanz V:** CT findings in rectal cuff abscess following surgery for Hirschsprung disease. *JCAT* 1986; 10: 151
- Donaldson JS; Gilsanz V; Miller JH:** CT scanning in patients with opomyoclonus: importance of nonenhanced scan. *AJR* 1986; 146: 781
- Donaldson JS; Miller JH; Gilsanz V:** pulmonary sulcus metastases simulating intraabdominal malignancy in childhood tumors. *CT* 1987; 11: 271
- Donaldson JS; Poznanski AK; Nieves A:** CT of children's feet: immobilization technique. *AJR* 1987; 148: 169
- Donaldson JS; Shkolnik A:** pediatric renal masses. *Semin Roentgenol* 1988; 23: 194
- Donaldson SS See Fajardo LF**
- Donat J See Jaworski M**
- Donati RM See Lin MS**
- Donckerwolcke RAMG See Mali WPTM**
- Dondalski M See Blend MJ**
- Dondelinger RF; Kordziel JC:** percutaneous phenol block of the upper thoracic sympathetic chain with computed tomography guidance: a new technique. *Acta Radiol* 1987; 28: 511
- Dong B; Chen M:** improved sonographic visualization of choledocholithiasis. *JCU* 1987; 15: 185
- Dong Z-J; Li S; Lu X:** percutaneous transluminal angioplasty for renovascular hypertension in arteritis: experience in China. *Radiology* 1987; 162: 477
- Doniach I; Kingston JE; Plowman FN; et al:** association of post-radiation thyroid nodular disease with compensated hypothyroidism. *Br J Radiol* 1987; 60: 1223
- Donn SM See DiPietro MA**
- Donnal JF See Sussman SK**
- Donner MW See Jones B**
- Donner MW See Rubenstein SE**
- Donner MW:** klinische gastroenterologie (clinical gastroenterology). 2d ed. 2 vols. *Radiology* 1986; 161: 132
- Donner RM See Soulen RL**
- Donohoe KJ; Patton DD:** metastatic non-Hodgkin's lymphoma on bone scintigraphy mimicking loosening or infection of hip prosthesis. *Clin Nucl Med* 1987; 12: 888
- Donohoe KJ; Woolfenden JM; Stemmer JL:** biliary imaging suggesting common duct obstruction in acute viral hepatitis: case report. *Clin Nucl Med* 1987; 12: 711
- Donoso I See Gomez A**
- Donoso I See Mata JM**
- Donoso I; Valls R; Montserrat E; et al:** CT findings in a case of polypoid-like metastasis in the ileum from extraosseous osteosarcoma. *Eur J Radiol* 1988; 8: 100
- Donovan DT See Shoss SM**
- Donovan GB See Berkowitz JE**
- Donstrup S See Brateman I**
- Dooley CP; Mello WD; Valenzuela JE:** effects of aspirin and prostaglandin E₂ on interdigestive motility complex and duodenogastric reflux in man. (ab). *Radiology* 1986; 158: 568
- Dooms GC See Fisher MR**
- Dooms GC See Hricak H**
- Dooms GC See White RD**
- Dooms GC; Fisher MR; Higgins CB; Hricak H; Goldberg HI; Margulis AR:** MR imaging of the dilated biliary tract. *Radiology* 1986; 158: 337
- Dooms GC; Hecht S; Brant-Zawadzki M; Berthiaume Y; Norman D; Newton TH:** brain radiation lesions: MR imaging. *Radiology* 1986; 158: 149
- Dooms GC; Higgins CB:** MR imaging of cardiac thrombi. *JCAT* 1986; 10: 415
- Dooms GC; Hricak H:** magnetic resonance imaging of the pelvis: prostate and urinary bladder. *Urol Radiol* 1986; 8: 156
- Dooms GC; Hricak H; Margulis AR; de Geer G:** MR imaging of fat. *Radiology* 1986; 158: 51
- Dooms GC; Hricak H; Tschelakoff D:** adnexal structures: MR imaging. *Radiology* 1986; 158: 639
- Dooms GC; Kerlan RK Jr; Hricak H; Wall SD; Margulis AR:** cholangiocarcinoma: imaging by MR. *Radiology* 1986; 159: 89
- Dooms GC; Uske A; Berthiaume Y:** MR imaging of extracranial hematomas: comparison with CT. *Eur J Radiol* 1986; 6: 30
- Dooms GC; Uske A; Brant-Zawadzki M; et al:** spin-echo MR imaging of intracranial hemorrhage. *Neuroradiol* 1986; 28: 132
- Doornbos J See Bloem JL**
- Doornbos J See de Roos A**
- Doornbos J See Guit GL**
- Doornbos J See Kieft GJ**
- Doornbos J; Grimbergen HAA; Boonjen PE; et al:** application of anatomically shaped surface coils in MRI at 0.5 T. *Magn Res Med* 1986; 3: 270
- Doornbos JF See Wang M-L**
- Doornbos L See Faylaert JBCM**
- Doornbos JL See Dwyer AJ**
- Duppman JL See Frank JA**
- Duppman JL See Garra BS**
- Duppman JL See Maston PN**
- Duppman JL See Miller DL**
- Duppman JL See Norton JA**
- Duppman JL See Reinig JW**
- Duppman JL See Saris SC**
- Duppman JL See Shawker TH**
- Duppman JL See Simmons JT**
- Duppman JL See Wank SA**
- Duppman JL:** establishing efficacy through consensus conferences. *Radiology* 1986; 161: 566
- Duppman JL:** who speaks for radiology? or the threat of the throwaways. *Radiology* 1988; 167: 579
- Duppman JL; Dedrick RL; Shook DR; Lutz RJ; Goldstein SR; Blacklock JB; Boretto JW; Paul RH; Austin HA III; Bowman RA; Oldfield EH:** glioblastoma: catheter techniques for isolated chemotherapy perfusion. *Radiology* 1986; 159: 477
- Duppman JL; Di Chiro G; Dwyer AJ:** magnetic resonance imaging of spinal arteriovenous malformations. (ab). *Radiology* 1988; 166: 590
- Duppman JL; Gorton ME; Oldfield EH:** spinal Wada test. *Radiology* 1986; 161: 319
- Duppman JL; Loughlin T; Miller DL; Pass HI; Chrousos GP; Cutler GB Jr; Oldfield EH; Loriaux DL:** identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens. *Radiology* 1987; 163: 501
- Duppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield E; Loriaux DL:** macronodular adrenal hyperplasia in Cushing disease. *Radiology* 1988; 166: 347
- Duppman JL; Oldfield EH; Chrousos GP; et al:** rebound thymic hyperplasia after treatment of Cushing's syndrome. *AJR* 1986; 147: 1145
- Duppman JL; Sharon M; Gordon F:** metastatic pitting in acromegaly: a proposed mechanism based on CT findings. *JCAT* 1988; 12: 708
- Dorcier F See Castel J-C**
- Dorcier F See Laurent F**
- Dore R; Alceri M; D'Andrea F; et al:** intracardiac extension of lung cancer via pulmonary veins: CT diagnosis. *JCAT* 1988; 12: 565
- Dore R; Moro G; D'Andrea F; et al:** CT evaluation of myometrium invasion in endometrial carcinoma. *JCAT* 1987; 11: 262
- Dorfman DD See Berbaum KS**
- Dorfman GS See Cronan JJ**
- Dorfman GS See Denny DF Jr**
- Dorfman GS See Kane NM**
- Dorfman GS See Lambiase RE**
- Dorfman GS See Som PM**
- Dorfman GS See Tupper TB**
- Dorfman GS; Cronan JJ; Staudinger KM:** scintigraphic signs and pitfalls in lower gastrointestinal hemorrhage: continued necessity of angiography. *Radiographics* 1987; 7: 543
- Dorfman GS; Cronan JJ; Tupper TB; et al:** occult pulmonary embolism: common occurrence in deep venous thrombosis. *AJR* 1987; 148: 263
- Dorfman GS; Eparza AR; Cronan JJ:** percutaneous large bore venotomy and tract creation: comparison of sequential dilator and angioplasty balloon methods in a porcine model. preliminary report. *Invest Radiol* 1988; 23: 441
- Dorfman HD See McCarthy EF**
- Dorfman HD See Miller-Breslow A**
- Dorfman HD See Tsuneyoshi M**
- Dorie MJ See Kallman RF**
- Dorie MJ; Kallman RF:** reoxygenation of the RIF-1 tumor after fractionated radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1853
- Doris C:** atlas of two-dimensional echocardiography in congenital cardiac defects. *Radiology* 1988; 166: 656
- Doris C:** new concepts in cardiac imaging 1987. *Radiology* 1988; 166: 142

- Doris CI:** two-dimensional real-time ultrasonic imaging of the heart, *Radiology* 1988; 166: 380
- Doris CI; Franchetto AA; Dobranowski J:** atlas of axial, sagittal, and coronal anatomy with CT and MRI, *Radiology* 1988; 168: 312
- Doris CI; Manson DE:** radiology for anesthesia and critical care, *Radiology* 1988; 168: 384
- Doris I; Hochhauser L; Vaughan WC; et al:** intravenous digital subtraction angiography by peripheral injection, *J Canad Assoc Radiol* 1987; 38: 7
- Doris PE See Rosner NH**
- Dorland JP; Dorland PR; Cioloia C:** a propos des sequelles tomographiques de la psychosurgery, *J Neuroradiol* 1986; 13: 195
- Dorland PR See Dorland JP**
- Dormont D See Assouline E**
- Dormont D See Chiras J**
- Dormont D; Assouline E; Gelbert F; et al:** MRI study of spinal arteriovenous malformations, *J Neuroradiol* 1987; 14: 351
- Dormont D; Gelbert F; Assouline E; et al:** MR imaging of spinal cord arteriovenous malformations at 0.5 T: study of 34 cases, *AJNR* 1988; 9: 833
- Dorne HL:** differentiation of pulmonary parenchymal consolidation from pleural disease using the sonographic fluid bronchogram, *Radiology* 1986; 158: 41
- Dorne HL; Jequier S:** sonography of intestinal lymphangiectasia, *J Ultrasound Med* 1986; 5: 13
- Dorne HL; Just N; Lander PH:** CT recognition of anomalies of the posterior arch of the atlas vertebra: differentiation from fracture, *AJNR* 1986; 7: 176
- Dorne HL; O'Gorman AM; Melanson D:** computed tomography of intracranial gangliogliomas, *AJNR* 1986; 7: 281
- Dorne HL; Satin R:** methysergide-induced lower extremity arterial ischemia, *J Canad Assoc Radiol* 1986; 37: 210
- Dornfest DJ See McArdle CB**
- Dorovini-Zis K See Francis IR**
- Dorph S See Lorentzen T**
- Dorph S See Strandberg C**
- Dorph S See Thomsen HS**
- Dorr U See Zieger MM**
- Dorrell JH; Catterall A:** torn acetabular labrum, (ab), *Radiology* 1987; 162: 294
- D'Orsi CJ See Getty DJ**
- D'Orsi CJ See Raptopoulos V**
- D'Orsi CJ See Reuter KL**
- Dorst JP See Nussbaum AR**
- Dory MA:** arthrography of the ankle joint in chronic instability, *Skeletal Radiol* 1986; 15: 291
- Dosch JC See Wackenheim A**
- Dosoretz C; Lieberman LM:** increased uptake of technetium-99m pertechnetate in a salivary gland cancer, *Clin Nucl Med* 1987; 12: 944
- Doss LL See Murphy DJ Jr**
- Dotter CT See Keller FS**
- Dotter WE See Lo TCM**
- Doty DB See Stanford W**
- Doublet PM See Benson CB**
- Doublet PM See Fine C**
- Doublet PM See Levy HM**
- Doublet PM See Lewis BD**
- Doublet PM:** statistical techniques for medical decision making: applications to diagnostic radiology, *AJR* 1988; 150: 745
- Doudanuki S See Higashida Y**
- Doussard J-M See Taillefer R**
- Dougherty J See Manco LG**
- Dougherty KA See Urry RL**
- Dougherty L See Mezrich RS**
- Doughty D; Lambert GD; Hirst A; et al:** improved total-body irradiation dosimetry, *Br J Radiol* 1987; 60: 269
- Douglas BG See Chaplin DJ**
- Douglas BG; Grulky WR; Chaplin DJ; et al:** pions and pig skin: preclinical evaluation of RBE for early and late damage, *Int J Radiat Oncol Biol Phys* 1986; 12: 221
- Douglas IHS See Martin W**
- Douglas KP See Lecklitner ML**
- Douglas RHB See Kean DM**
- Douple EB See O'Hara JA**
- Doust B See Lovett I**
- Doust B See Robinson DE**
- Doust BD See Grattan-Smith JD**
- Doust BD See Orr NM**
- Douterlangne PH See Verbanck JJ**
- Dovas T See Booter R**
- Dover MR See Gulenchyn KY**
- Dow CJ See Belli AM**
- Dowd C See Sartoris DJ**
- Dowd CF See Abbott FL**
- Dowd CF See Davis GB**
- Dowd CF See Hesselink JR**
- Dowd CF; Sartoris DJ; Haghighi P; et al:** case report 344, *Skeletal Radiol* 1986; 15: 65
- Dowd TL; Kaplan BA; Gupta RK; et al:** detection of malignant tumors: water-suppressed proton nuclear magnetic resonance spectroscopy of plasma, *Magn Res Med* 1987; 5: 395
- Dowlat BA See Miller DL**
- Dowle CS; Caseldine J; Tew J; et al:** evaluation of transmission spectroscopy (lightscanning) in the diagnosis of symptomatic breast lesions, *Clin Radiol* 1987; 38: 375
- Down JD See Lockhart SP**
- Down JD See Tarbell NJ**
- Down JD; Tarbell NJ; Warhol M; et al:** dose-limiting complications from upper half body irradiation in C3H mice, *Int J Radiat Oncol Biol Phys* 1988; 14: 483
- Downey DB; Nakielny RA:** sphthoid ulcers in colonic tuberculosis, (ab), *Radiology* 1986; 158: 568
- Downey EF Jr; Curtis DJ:** patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, *Radiology* 1986; 158: 679
- Downey FR; Brophy BF; Sage MR:** four unusual cases of spinal cord compression, *Australas Radiol* 1987; 31: 136
- Downing D See Lewin JS**
- Downing M See Nokes SR**
- Downing R See Rowley S**
- Doxey GP; Harnsberger HR; Hardin CW; et al:** nasticator space: influence of CT scanning on therapy, (ab), *Radiology* 1986; 161: 862
- Doyle AJ:** plasma cell granuloma of the lung, *Australas Radiol* 1988; 32: 144
- Doyle M; Mansfield P:** chemical-shift imaging: a hybrid approach, *Magn Res Med* 1987; 5: 255
- Doyle TCA; Littlejohn G:** radiological features of diffuse idiopathic skeletal hyperostosis (D.I.S.H.), *Australas Radiol* 1986; 30: 76
- Doyle TCA; Nurse DS:** tuft erosion in incontinentia pigmenti, *Australas Radiol* 1987; 31: 304
- Doyle TCA; Roberts-Thomson IC; Dudley FJ:** demonstration of retrograde cholangiography, *Australas Radiol* 1988; 32: 92
- Doyle WK; Budinger TF; Valk PE; et al:** differentiation of cerebral radiation necrosis from tumor recurrence by [¹⁸F]FDG and ⁴²Rb positron emission tomography, *JCAT* 1987; 11: 563
- Doyon D See Halimi P**
- Doyon D; Ducot B; Halimi PH; et al:** comparative trial of hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and iopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report, *Br J Radiol* 1987; 60: 671
- Doyon D; Sigal R; Poylecot G; et al:** MRI of spinal cord congenital malformations: Chiari malformations and dysraphism, *J Neuroradiol* 1987; 14: 185
- Doyon D; Vaillant JM; Comoy J:** craniofacial injuries, *J Neuroradiol* 1986; 13: 229
- Drace J See Enzmann DR**
- Drace J See Smathers RL**
- Drach GW; Dretler S; Fair W; et al:** report of the United States Cooperative Study of extracorporeal shock wave lithotripsy, (ab), *Radiology* 1986; 161: 859
- Drachman DB See Blum JE**
- Drake CG; Friedman AH; Peerless SJ:** posterior fossa arteriovenous malformations, (ab), *Radiology* 1987; 162: 590
- Drake D See Gaines PA**
- Drake DG See Day DL**
- Drake DG See du Crep RP**
- Drake DP See Crawford DC**
- Drake DP See Shaw PJ**
- Drane WE See Karvelis KC**
- Drane WE:** detection of melorheostosis on bone scan, *Clin Nucl Med* 1987; 12: 548
- Drane WE:** gallbladder visualization after hepatic washout, *Clin Nucl Med* 1987; 12: 453
- Drane WE:** morbid obesity treated by gastroplasty: radionuclide gastric emptying studies, *Radiology* 1986; 159: 816
- Drane WE:** "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry: reply, *Radiology* 1987; 164: 877
- Drane WE; Johnson DA; Hagan DP; Cattau EL Jr:** "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry, *Radiology* 1987; 163: 33
- Drane WE; Karvelis K; Buck JL; et al:** "3-D effect" of diffuse skin involvement by mycosis fungoides on gallium imaging, *Clin Nucl Med* 1986; 11: 264
- Drane WE; Karvelis K; Johnson DA; et al:** scintigraphic detection of metaplasia in esophageal stimulation in progressive systemic sclerosis, *J Nucl Med* 1987; 28: 810
- Drane WE; Karvelis K; Johnson DA; et al:** scintigraphic evaluation of duodenogastric reflux: problems, pitfalls, and technical review, *Clin Nucl Med* 1987; 12: 377
- Drane WE; Karvelis K; Johnson DA; Curran JJ; Silverman ED:** progressive systemic sclerosis: radionuclide esophageal scintigraphy and manometry, *Radiology* 1986; 160: 73
- Drane WE; Kelly BJ; McCallum K:** abnormal gallium uptake in anticardiolipin syndrome: an unexplained phenomenon, *Clin Nucl Med* 1988; 13: 356
- Drane WE; Krasicky GA; Johnson DA:** radionuclide imaging of primary tumors and tumor-like conditions of the liver, *Clin Nucl Med* 1987; 12: 569
- Drane WE; Martland WH:** sarcoidosis and ankylosing spondylitis, *Clin Nucl Med* 1987; 12: 938
- Drane WE; Tipler BM:** heterotopic ossification (myositis ossificans) in acquired immune deficiency syndrome: detection by gallium scintigraphy, *Clin Nucl Med* 1987; 12: 433
- Drane WE; VanNess MM:** hepatic imaging in diffuse liver disease, *Clin Nucl Med* 1988; 13: 182
- Drane WE; Weatherly E III:** cavernous hemangioma: why is peripheral filling at scintigraphy so rare?, *Clin Nucl Med* 1987; 12: 793
- Draouat S; Abdenabi B; Ghanem M; et al:** computed tomography of cerebral tuberculoma, *JCAT* 1987; 11: 594
- Draper G See Fletcher EWL**
- Drahts KG See Adler YT**
- Drayer BP See Bird CR**
- Drayer BP See Bottomley PA**
- Drayer BP See Darwin RH**
- Drayer BP See Dean B**
- Drayer BP See Duchin KL**
- Drayer BP See Hedberg MC**
- Drayer BP See Johnson GA**
- Drayer BP See Kieffer SA**
- Drayer BP See Prost JEH**
- Drayer BP See Roberts L Jr**
- Drayer BP See Rosen GM**
- Drayer BP See Velaz R**
- Drayer BP:** balance between creativity and anatomic correlation in image interpretation, *Radiology* 1988; 168: 214
- Drayer BP:** imaging of the aging brain: part I. normal findings, *Radiology* 1988; 166: 785
- Drayer BP:** imaging of the aging brain: part II. pathologic conditions, *Radiology* 1988; 166: 797
- Drayer BP; Burger P; Darwin R; et al:** magnetic resonance imaging of brain iron, *AJNR* 1986; 7: 373
- Drayer BP; Burger P; Hurwitz B; et al:** reduced signal intensity on MR images of thalamus and putamen in multiple sclerosis: increased iron content?, *AJNR* 1987; 8: 413
- Drayer BP; Olanow W; Burger P; Johnson GA; Herfkens R; Riederer SJ:** Parkinson plus syndrome: diagnosis using high field MR imaging of brain iron, *Radiology* 1986; 159: 493
- Drayton MR; Skidmore R:** Doppler ultrasound in the neonate, *Ultrasound Med Biol* 1986; 12: 761
- Drebin B See Fishman EK**
- Drebin RA See Fishman EK**
- Dreher W; Börmert P:** pulse sequence and parameter choice in NMR imaging as a problem of constrained multidimensional nonlinear optimization, *Magn Res Med* 1988; 8: 16
- Dremsek PA; Kritscher H; Böhm G; et al:** kidney dimensions in ultrasound compared to somatometric parameters in normal children, *Pediatr Radiol* 1987; 17: 285
- Dretler S See Drach GW**
- Dretler SF See Muller AG Jr**
- Dretler SF See Papanicolaou N**
- Dretler SF See Psihramis KE**
- Drew HM; Chan DW; Fong P:** performance of solid-state 48 detector gamma counter using solid phase total thyroxine and free thyroxine assays, *J Nucl Med* 1986; 27: 1623
- Drewy GR See Savader SJ**
- Driedger AA See Bennett JD**
- Driedger AA See Zochodne DW**
- Driessen LP See Feldberg MAM**
- Drijver M See Kromhout D**
- Drinker PA See Kandarpa K**
- Drinkwater DC Jr See Gomes AS**
- Driscoll DL See Chen TY**
- Dritschilo A See McKee D**
- Dritschilo A; Grant EG; Harter KW; et al:** interstitial radiation therapy for hepatic metastases: sonographic guidance for applicator placement, *AJR* 1986; 147: 275
- Dritschilo A; Harter KW; Thomas D; et al:** intraoperative radiation therapy of hepatic metastases: technical aspects and report of a pilot study, *Int J Radiat Oncol Biol Phys* 1988; 14: 1007
- Droegge RT; Adamczak SM:** boundary artifact in inversion-recovery images, *Magn Res Med* 1986; 3: 126
- Droegge RT; Ekstrand KE; Coffey CW II:** systems components for consideration in purchasing an NMR imager, *Radiographics* 1986; 6: 154

- Droller MJ See Mitty HA
 Drolshagen LF See Burk DD
 Drolshagen LF See Kulkarni MV
 Drolshagen LF See Tarr RW
 Drolshagen LF; Kessler R; Partain CL: cervical meningeal histiocytosis demonstrated by magnetic resonance imaging, *Pediatr Radiol* 1987; 17: 63
 Dromer F See Levy M
 Drongowski RA See Blane CE
 Drooz AT See Levine MS
 Drose JA See Pretorius DH
 Dross AA See Andonopoulos AP
 Dross P; Raji MR; Dastur KJ: cerebral varix associated with a venous angioma, *AJNR* 1987; 8: 373
 Drost DJ See Lewis CE
 Drost DJ See Marrocco BJD
 Drost DJ See Prato FS
 Drott HR See Gomori JM
 Drouard F See Delamarre J
 Drouillard J See Brunet J-N
 Drouillard J See Laurent F
 Drouillard J See Mathieu D
 Drouin G See Rendak I
 Droulez P See Avni EC
 Drucker EA; McDougall CD; Dedrick CG; et al: mediastinal paraganglioma: radiologic evaluation of an unusual vascular tumor, *AJR* 1987; 148: 521
 Drucker EA; Strauss HW: congestive heart failure with normal ejection fraction, *Semin Nucl Med* 1987; 17: 83
 Drvaric DM See Davis PC
 D'Souza VJ See Formanek AG
 D'Souza VJ See Link KM
 D'Souza VJ See Velasquez G
 D'Souza VJ See Zagoria RJ
 Du LN See Dixon WT
 Duara R See Chang JY
 Dubbins PA See Murphy AM
 Dubbins PA See Robertson R
 Dubbins PA: renal artery stenosis: duplex Doppler evaluation, *Br J Radiol* 1986; 59: 225
 Dubbins PA; Wells L: renal carcinoma: duplex Doppler evaluation, *Br J Radiol* 1986; 59: 231
 Dubeau RA See Bennett JD
 Dubeau SP See Mehra VN
 Dubin LM; Quencer RM; Green BA: mimicker of a postoperative spinal mass: Gelfoam in a laminectomy site, *AJNR* 1988; 9: 217
 Dubinsky RM; Jankovic J: progressive supranuclear palsy and multifactorial state, (ab), *Radiology* 1988; 166: 296
 Dubinsky TJ See Sirota PS
 Duboc D See Jehenson P
 Dubois F See Demaison L
 Dubois JP; Bouchez MC; Kacet N; et al: spontaneous rupture of the esophagus in the newborn, *Pediatr Radiol* 1986; 16: 317
 Dubost C See Lacombe P
 Dubouché C See Rousseau H
 du Boulay C See Adams GE
 du Boulay GH See Yu YL
 du Boulay GH; Teather D; Morton BA; et al: brains—a computer advisor system to aid in CT scan interpretation and cerebral disease diagnosis, *Neuroradiol* 1987; 29: 196
 du Boulay GH; Woods AJ; Teather D; et al: towards an advisor for MRI, *Neuroradiol* 1988; 30: 245
 Dubovsky EV See Friedman SE
 Dubovsky EV See Thorstad BL
 Dubovsky EV; Russell CD: radionuclide evaluation of renal transplants, *Semin Nucl Med* 1988; 18: 181
 Dubovsky J See Friedman SE
 Dubowitz B See Friedman L
 Dubowitz LMS See De Vries LS
 Dubowitz LMS See Pennock JM
 Dubowitz LMS; Pennock JM; Johnson MA; et al: high-resolution magnetic resonance imaging of the brain in children, *Clin Radiol* 1986; 37: 113
 Dubowitz V See Heckmatt JZ
 Dubuc G See Dufresne M-P
 Dubuc G See Nicolet V
 Duca RM See Hricak H
 Ducerveau MN See Buthian D
 Duchesneau PM See Lanzieri CF
 Duchin KL; Drayer BP; Ross M; et al: pharmacokinetics of iopamidol after intrathecal administration in humans, *AJNR* 1986; 7: 895
 Duck FA; Starritt HC: locations of peak pressures and peak intensities in finite amplitude beams from a pulsed focused transducer, *Ultrasound Med Biol* 1986; 12: 403
 Duck SC See Wells RG
 Duckett JW See Rosenberg HK
 Duckwiler GR See Hartzman S
 Duckwiler GR See Reicher MA
 Ducot B See Doyon D
 duCret RP See Boudreau RJ
 duCret RP See Kees CR
 duCret RP; Boudreau RJ; Block JB; et al: exercise-induced muscle uptake of technetium-99m MDP, *Clin Nucl Med* 1987; 12: 354
 duCret RP; Boudreau RJ; Kelley CJ; et al: hepatic manifestations of glucose phosphatase deficiency, *Clin Nucl Med* 1987; 12: 963
 duCret RP; Boudreau RJ; Larson T; et al: suboptimal red blood cell labeling with Tc99m, *Semin Nucl Med* 1988; 18: 74
 duCret RP; Boudreau RJ; Maguire FF; et al: sigmoid augmentation artefact in skeletal imaging, *Clin Nucl Med* 1988; 13: 375
 duCret RP; Boudreau RJ; Miller SJ; et al: skeletal imaging after pleurodesis, *Clin Nucl Med* 1987; 12: 896
 duCret RP; Choi RE; Roe SJ; et al: improved prediction of thyroid lobar mass from parameters obtained by routine thyroid scintigraphy, *Clin Nucl Med* 1987; 12: 436
 duCret RP; Drake DG; Murray BL; et al: detection of abdominal hemangiomas during technetium-99m DTPA renal imaging, *Clin Nucl Med* 1988; 13: 471
 duCret RP; Jackson VP; Kees CR; et al: pancreatic sonography: enhancement by metoclopramide, *AJR* 1986; 146: 341
 Duda JJ See Mamourian AC
 Duda RB See Williams LE
 Dudgeon DL See Nussbaum AR
 Dudgeon J See Annam F
 Dudiak CM; Turner DA; Patel SK; Archie JT; Silver B; Norusis M: uterine leiomyomas in the infertile patient: preoperative localization with MR imaging versus US and hysterosalpingography, *Radiology* 1988; 167: 627
 Dudley BS See Fleischer AC
 Dudley FJ See Doyle TCA
 Duono F See Shiels WE
 Duerinckx A; Rosenberg K; Hoefs J; et al: *in vivo* acoustic attenuation in liver: correlations with blood tests and histology, *Ultrasound Med Biol* 1988; 14: 405
 Duerk JL; Pattany PM: in-plane flow velocity quantification along the phase encoding axis in MRI, *Magn Res Imag* 1988; 6: 321
 Duffin H See Sundaram M
 Duffy K See Moffitt B
 Dufresne F; Carrier L; Gagnon M; et al: scintigraphic study of duodenal-gastric reflux in cases of primary gastropathy, chronic ulcer of the duodenal bulb, and Moynihan's disease, *J Nucl Med* 1988; 29: 17
 Dufresne M-P; Dubuc G; Nicolet V; et al: detection of an asymptomatic gastroduodenal artery aneurysm by real-time and pulsed Doppler sonography, *J Canad Assoc Radiol* 1986; 37: 40
 Duggal R See Nagi B
 Duggan MJ See Kaplan PA
 Duke RA See Salazar JE
 Duke RA; Barrett MR II; Payne SD; et al: compression of left main bronchus and left pulmonary artery by thoracic aortic aneurysm, *AJR* 1987; 149: 261
 Dulitzky F See Katz R
 Duma RJ See Kellum JM
 Dumas J-M; Eddi DJ; Menical abnormalities: prospective correlation of double-contrast arthrography and arthroscopy, *Radiology* 1986; 160: 453
 Dumitrescu BE; Armspach J-P; Gounot D; et al: multi-exponential analysis of T₂ images, *Magn Res Imag* 1986; 4: 445
 Dumon J See Parizel PM
 Dumont A See Lafortune M
 Dumortier P See Yernault J-C
 Dumoulin CL See Hardy CJ
 Dumoulin CL See Walker MF
 Dumoulin CL: suppression of water and other noncoupled spins by homonuclear polarization transfer in magnetic resonance imaging, *Magn Res Med* 1986; 3: 90
 Dumoulin CL; Hart HR Jr: magnetic resonance angiography, *Radiology* 1986; 161: 717
 Dumoulin CL; Souza SP; Feng H: multi-echo magnetic resonance angiography, *Magn Res Med* 1987; 8: 47
 Dumoulin CL; Souza SP; Hart HR: rapid scan magnetic resonance angiography, *Magn Res Med* 1987; 8: 238
 Dumoulin CL; Souza SP; Walker MF; et al: time-resolved magnetic resonance angiography, *Magn Res Med* 1988; 6: 275
 Dumoulin CL; Vatis D: water suppression in ¹H magnetic resonance images by the generation of multiple-quantum coherence, *Magn Res Med* 1986; 3: 282
 Dunbar JS See Bisset GS III
 Dunbar JS See Rosario-Medina W
 Dunbar RD See Stark P
 Duncan AO See Sclafani SJA
 Duncan BP See Silverthorn KG
 Duncan CP See Scott I
 Duncan G See Warda A
 Duncan W See Preston CI
 Duncan W See Quilty PM
 Duncan W See Taylor RE
 Duncan W; Arnott SJ; Jack WJL: Edinburgh experience of treating sarcomas of soft tissues and bone with neutron irradiation, *Clin Radiol* 1986; 37: 317
 Duncan W; McLelland J; Davey F; et al: phase I study of mixed (neutron and photon) irradiation using two fractions per day in the treatment of high-grade astrocytomas, *Br J Radiol* 1986; 59: 441
 Duncan W; McLelland J; Jack WJL; et al: report of a randomised pilot study of the treatment of patients with supratentorial gliomas using neutron irradiation, *Br J Radiol* 1986; 59: 373
 Duncan W; McLelland J; Jack WJL; et al: results of a randomised trial of mixed-schedule (neutron/photon) irradiation in the treatment of supratentorial grade III and grade IV astrocytoma, *Br J Radiol* 1986; 59: 379
 Duncan W; Orr JA; Arnott SJ; et al: evaluation of fast neutron irradiation in the treatment of squamous cell carcinoma in cervical lymph nodes, *Int J Radiat Oncol Biol Phys* 1987; 13: 1793
 Duncan W; Orr JA; Arnott SJ; et al: fast neutron therapy for squamous cell carcinoma in the head and neck region: results of a randomized trial, *Int J Radiat Oncol Biol Phys* 1987; 13: 171
 Duncan W; Williams JR; Kerr GR; et al: analysis of the radiation related morbidity observed in a randomized trial of neutron therapy for bladder cancer, *Int J Radiat Oncol Biol Phys* 1986; 12: 2085
 Duncavage JA See Unger JM
 Duncavage JA; Durkin GE; Lehman RH; et al: dilemmas in the management of chronic nasal and sinus inflammatory diseases of unknown etiology, (ab), *Radiology* 1986; 161: 286
 Dunham JS See Davis CA
 Dunlap HJ See Poon FY
 Dunlap HJ; Poon FY; Henkelman RM; et al: magnetic resonance imaging of retroperitoneal lymphadenopathy, *J Canad Assoc Radiol* 1987; 38: 75
 Dunlap K See Hanks GE
 Dunlop PRC; Dickinson RJ; Hand JW; et al: early experience with combined interstitial hyperthermia and brachytherapy, *Br J Radiol* 1986; 59: 525
 Dunlop R See Lee VW
 Dunn DT See Walker TM
 Dunn DW See Purvin V
 Dunn DW: CT in ceroid lipofuscinosis, (ab), *Radiology* 1988; 166: 590
 Dunn DW; Weisberg LA: computed tomography of the brain in asphyxiated infants, *Comput Radiol* 1987; 11: 147
 Dunn DW; Weisberg LA: computed tomography of the brain in metabolic diseases involving the central nervous system in children, *Comput Radiol* 1987; 11: 135
 Dunn EK; Farman J; Teicher J; et al: ileal leiomyosarcoma and leiomyoma: false-positive scintiscans for Meckel's diverticulum, *Clin Nucl Med* 1987; 12: 440
 Dunn EK; Macchia RJ; Chaudhary PS; et al: scintiscans for acute intracranial conditions, *Clin Nucl Med* 1986; 11: 381
 Dunn EK; Vaquer RA; Strashun AM: Paget's disease: a cause of photopenic skeletal defect in indium-111 WBC scintigraphy, *J Nucl Med* 1988; 29: 561
 Dunn F See Borrelli MJ
 Dunn F: ultrasonic nonlinearity parameter of biological media and its dependence on tissue structure, *Ultrasound Med Biol* 1986; 12: 701
 Dunn GD See Finn JP
 Dunn GD; Gibson RN: left-sided pancreas, *Radiology* 1986; 159: 713
 Dunn HG See Larsen TA
 Dunn KS; Goepel JR: case report: metastatic teratoma associated with an intra-abdominal abscess, *Clin Radiol* 1988; 39: 321
 Dunn SM See Braman SS
 Dunn V See Bale JF Jr
 Dunn V See Biller J
 Dunn V See Franken EA Jr
 Dunn V; Bale JF Jr; Zimmermann RA; et al: MRI in children with postinfectious disseminated encephalomyelitis, *Magn Res Imag* 1986; 4: 25
 Dunn V; Mock T; Bell WE; et al: detection of heterotopic gray matter in children by magnetic resonance imaging, *Magn Res Imag* 1986; 4: 33
 Dunn V; Smoker WRK; Menezes AH: transdural herniation of the cervical spinal cord as a complication of a broken fracture-fixation wire, *AJNR* 1987; 8: 724
 Dunn VD See Smoker WRK
 Dunn WL; Kan SH; Wahner HW: errors in longitudinal measurements of bone mineral: effect of source strength in single and dual photon absorptiometry, *J Nucl Med* 1987; 28: 1751

- Dunnagan SA See Smith HJ
 Dunne MG See Bidwell JK
 Dunne MG See Templeton PA
 Dunne MG; Dunne SB: portable obstetrical ultrasound calculation and analysis using an inexpensive laptop microcomputer and simple BASIC program, *JCU* 1988; 16: 417
 Dunne MG; Reiner B: CT features of tracheobronchomegaly, *JCAT* 1988; 12: 388
 Dunne SB See Dunne MG
 Dunnick NR See Baker ME
 Dunnick NR See Bettmann MA
 Dunnick NR See Brown MW
 Dunnick NR See Cohan RH
 Dunnick NR See Degessy GE
 Dunnick NR See Johnson CD
 Dunnick NR See Moore AV Jr
 Dunnick NR See Perlmutter LM
 Dunnick NR See Rose SC
 Dunnick NR See Saeed M
 Dunnick NR See Silverman PM
 Dunnick NR See Sussman SK
 Dunnick NR See Warren LP
 Dunnick NR: CT and MRI of adrenal lesions, *Urol Radiol* 1988; 10: 12
 Dunnick NR: radiology residency training programs: current status, *Radiology* 1988; 169: 549
 Dunnick NR; Bettmann MA; Foley WD; Lang E; McClennan BL; Newhouse JH; Rifkin MD: genitourinary radiology, RSNA '87 meeting notes, *Radiology* 1988; 166: 601
 Dunphy EP See Dische S
 Dunphy EP See Newman HFV
 Dunscombe PB; McLellan J; Huda W; et al: patient activation with a 25 MV therapeutic x-ray beam, *Br J Radiol* 1988; 61: 843
 Dupas B; Barrier J; Barre P: detection of *Toxocara* by computed tomography, *Br J Radiol* 1986; 59: 518
 Duprat G Jr See Ouellet J-Y
 Duprat G Jr; Chaloupi J; Sylvestre J; et al: pulmonary complications of multimodality therapy for esophageal carcinoma, *J Canad Assoc Radiol* 1987; 38: 27
 Duprat G Jr; Filiatrault D; Michaud J: intrarenal epidermoid cyst, *Pediatr Radiol* 1986; 16: 73
 Duprat G Jr; Wright KC; Charnsangavej C; Wallace S; Gianturco C: flexible balloon-expanded stent for small vessels: work in progress, *Radiology* 1987; 162: 276
 Duprat G Jr; Wright KC; Charnsangavej C; Wallace S; Gianturco C: self-expanding metallic stents for small vessels: experimental evaluation, *Radiology* 1987; 162: 469
 Dupree WB; Enzinger FM: fibro-osseous pseudotumor of the digits, (ab), *Radiology* 1987; 164: 590
 Dupuis C; Vaksman G; Pernot C; et al: asymptomatic form of left pulmonary artery sling, (ab), *Radiology* 1988; 168: 887
 Durancieu A See Laflamme L
 Durancieu AC See Taillefer R
 Durand RE See Chaplin DJ
 Durand RE See Olive PL
 Durand RE See Skarsgard LD
 Durand RE; Olive PL: potentiation of CCNU toxicity by AF-2 in V79 spheroids: implications for mechanisms of chemosensitization, *Int J Radiat Oncol Biol Phys* 1986; 12: 1375
 Durbin GM See Rushton DI
 Durex M See Godard G
 Durie PR See Stringer DA
 Durity FA See Atri M
 Durizich ML See Zylak CJ
 Durkin GE See Duncavage JA
 Duroux P See Musset D
 Durr R See Kikinis R
 Dussault RG See Bédard D
 Duthoy MJ; Lund G: MR imaging of the spine in children, *Eur J Radiol* 1988; 8: 188
 Du Toit DF; Warren B; McCormick M; et al: Takayasu's disease: report of 3 cases, (ab), *Radiology* 1986; 158: 574
 Dutreix AJ: prescription, precision, and decision in treatment planning, *Int J Radiat Oncol Biol Phys* 1987; 13: 1291
 Dutreix J See Moulder JE
 Dutton NE See Bova JC
 Dutton RV: practical radiologic approach to skeletal dysplasias in infancy, *Radiol Clin North Am* 1987; 25: 1211
 Duus BR; Boeckstyns M; Kjaer L; et al: radionuclide scanning after total knee replacement: correlation with pain and radiolucent lines, a prospective study, *Invest Radiol* 1987; 22: 891
 Duval ER See Vitek JJ
 Duval ER; Gupta KL; Vitek JJ; et al: CT demonstration of extracranial carotid artery aneurysms, *JCAT* 1986; 10: 404
 Duvauferrier R See Bretagne J-F
 Duvauferrier R See Raoul J-L
 Duvernoy C See Magilligan DJ Jr
 Duxbury CE See Richardson KL
 Duyck PC See Degysse HR
 Dvorak J; Pennin L; Hayek J; et al: functional diagnostics of the cervical spine using computer tomography, *Neuroradiol* 1988; 30: 132
 Dvoretzky PM See Mevorach RA
 Dwarakanath BSR; Jain VK: modification of the radiation induced damage by 2-deoxy-D-glucose in organ cultures of human cerebral gliomas, *Int J Radiat Oncol Biol Phys* 1987; 13: 741
 Dwarakanathan AA; Sacalides TJ; Witt TR; et al: role of ultrasonography in the evaluation of primary hyperparathyroidism, (ab), *Radiology* 1987; 163: 591
 Dworkin J See Lufkin RB
 Dwyer A See Hill SC
 Dwyer AJ See Chang AE
 Dwyer AJ See Di Chiro G
 Dwyer AJ See Doppman JL
 Dwyer AJ See Frank JA
 Dwyer AJ See Knop RH
 Dwyer AJ See Levy LM
 Dwyer AJ See Reinig JW
 Dwyer AJ See Rieth KG
 Dwyer AJ; Frank JA; Doppman JL; Oldfield EH; Hickey AM; Cutler GB Jr; Loriaux DL; Schiabel TF: pituitary adenomas in patients with Cushing disease: initial experience with Gd-DTPA-enhanced MR imaging, *Radiology* 1987; 163: 421
 Dwyer AJ; Frank JA; Sank VJ; Reinig JW; Hickey AM; Doppman JL: short-T1 inversion-recovery pulse sequence: analysis and initial experience in cancer imaging, *Radiology* 1988; 168: 827
 Dwyer SJ III See Aronson RL
 Dwyer SJ III See Cox GG
 Dwyer SJ III See Templeton AW
 Dydek GJ; Blue PW: human breast milk excretion of iodine-131 following diagnostic and therapeutic administration to a lactating patient with Graves' disease, *J Nucl Med* 1988; 29: 407
 Dye SF See Shapeero LG
 Dyer R See Harrison RB
 Dyer R; Montgomery J; Thiele A; et al: right upper quadrant renal milk of calcium mimicking limy bile, *JCU* 1987; 15: 140
 Dyer RB See Choplin RH
 Dyer RB; Muniz HA; Bechtold R; Choplin RH: abnormal nephrogram, *Radiographics* 1986; 6: 1039
 Dyke C See Lyons EA
 Dykes PW See Vaughan ATM
 Dymond DS See Caplin JL
 Dyne M See Williams PG
 Dysert GA See Cashin A
 Dyson M See ter Haar G
 Dzloba RB See Yang PJ
 Dziura BR: fine needle aspiration of the lung: pathologist's perspective, *J Thorac Imag* 1987; 2: 49

E

- Eads DL See Puthawala AA
 Eagle R Jr See Peyster RG
 Eagle RC Jr See Braffman BH
 Eames FA See Abrahams JJ
 Eames FA See Waggle WA
 Eapen L See Grimald L
 Earll JM See Chow CK
 Earll JM See Muherji S
 Earnest F IV See Forbes G
 Earnest F IV See Ormsom MJ
 Earnest F IV See Silber MH
 Earnest F IV: general case of the day, *Radiographics* 1986; 6: 725
 Earnest F IV: scientific exhibits: the great communicator, *Radiographics* 1986; 6: 319
 Earnest F IV; Kelly PJ; Scheithauer BW; Kall BA; Cascino TL; Ehman RL; Forbes GS; Axley PL: cerebral astrocytomas: histopathologic correlation of MR and CT contrast enhancement with stereotactic biopsy, *Radiology* 1988; 166: 823
 Earnest MP See Hazelton AE
 Earnshaw JJ; Gregson RH; Lowe JS; et al: case report: popliteal artery perforation during low dose intra-arterial streptokinase infusion, *Clin Radiol* 1987; 38: 321
 Earthman WJ; Winfield AC: angiomylipomas in tuberous sclerosis: subselective embolotherapy with alcohol, with long-term follow-up study, *Radiology* 1986; 160: 437
 Eary JF See Nelp WB
 Eary JF; Fisher MC; Cerqueira MD: idiopathic pulmonary fibrosis: another cause of ventilation/perfusion mismatch, *Clin Nucl Med* 1986; 11: 396
 Easley JD See Chou JL
 Easton D See Verger E
 Easton DH See Cohen HL
 Ebara M See Sumida M
 Ebara M; Ohto M; Watanabe Y; Kimura K; Saisho H; Tsuchiya Y; Okuda K; Arimizu N; Kondo F; Ikehira H; Fukuda N; Tateno Y: diagnosis of small hepatocellular carcinoma: correlation of MR imaging and tumor histologic studies, *Radiology* 1986; 159: 371
 Ebel K-D; Bliesener JA; Gharib M: imaging of uretero-pelvic junction obstruction with stimulated diuresis: with consideration of the reliability of ultrasonography, *Pediatr Radiol* 1988; 18: 54
 Eberl M See Hamilton CS
 Eberl S See Pope JM
 Ebers GC See Weinschenker BG
 Ebersberger J See Kalender WA
 Ebina K; Ohkuma H; Iwabuchi T: angiographic study of incidence and morphology of infundibular dilatation of the posterior communicating artery, *Neuroradiol* 1986; 28: 23
 Ebisuno S; Fukutani T; Yoshida M; et al: percutaneous dissolution of uric acid calculi with THAM irrigation, *Urol Radiol* 1987; 9: 146
 Ebner F; Kressel HY; Mintz MC; Carlson JA; Cohen EK; Schiebler M; Geffer WB; Axel L: tumor recurrence versus fibrosis in the female pelvis: differentiation with MR imaging at 1.5 T, *Radiology* 1988; 166: 333
 Ebner F; Tolly E; Kopp W: sonographic demonstration of lumbar disc herniation, *J Ultrasound Med* 1986; 5: 193
 Echenagusia A See Robledo R
 Echizenya K; Satoh M; Nakagawa T; et al: biotemporal compression injury caused by static loading mechanism: report of two cases, (ab), *Radiology* 1986; 158: 284
 Eckard DA See Shaffer HA Jr
 Eckhout GV See Klingensmith WC III
 Eckmann DR See Wasserman NF
 Eckstein N See Jaffe R
 Economou SG See Turner DA
 Edde DJ See Dumas J-M
 Edleston B See Moore CJ
 Eddy C See Walters MR
 Ede RJ See Powell-Jackson FR
 Edeburn GF; Tow DE: SPECT in gallium imaging in a patient with metastatic melanoma, *Clin Nucl Med* 1986; 11: 528
 Edeburn GF; Treves ST: gallium scan findings following multiple blood transfusions in an infant with erythroblastosis fetalis, *Clin Nucl Med* 1987; 12: 70
 Edeiken BS See Ferris EJ
 Edeiken J; Raymond AK; Ayala AG; et al: small-cell osteosarcoma, *Skeletal Radiol* 1987; 16: 621
 Edeiken J; Shaber G: tomography: reevaluation, *Skeletal Radiol* 1986; 15: 345
 Edeiken S: mammography and palpable cancer of the breast, (ab), *Radiology* 1988; 168: 587
 Edeiken-Monroe B; Wagner LK; Harris JH Jr: hyperextension dislocation of the cervical spine, *AJNR* 1986; 7: 135
 Edeiken-Monroe BS See Wojcik WG
 Edeling C-J; Frederiksen PB: abnormal whole-body technetium-99m MDP scintigraphy indicating cortical hyperostosis following long-term administration of prostatic androgens: E-1 in an infant with cyanotic congenital heart disease, *Clin Nucl Med* 1987; 12: 74
 Edeling C-J; Frederiksen PB; Kamper J; et al: diagnosis and treatment of neuroblastoma using metaiodobenzylguanidine, *Clin Nucl Med* 1987; 12: 632
 Edeling C-J; Frederiksen PB; Østergaard E; et al: acute bleeding from a gastric ulcer in an infant evaluated by technetium-99m RBC imaging, *Clin Nucl Med* 1988; 13: 467
 Edelman RR See Buxton RB
 Edelman RR See Meuli RA
 Edelman RR See Mueller PR
 Edelman RR See Papanicolaou N
 Edelman RR See Stark DD
 Edelman RR See White EM
 Edelman RR See Widder DJ
 Edelman RR; Atkinson DJ; Silver MS; Losiza FL; Warren WS: FRODO pulse sequences: a new means of eliminating motion, flow, and wraparound artifacts, *Radiology* 1988; 166: 231
 Edelman RR; Hahn PF; Buxton R; Wittenberg J; Ferrucci JT Jr; Saini S; Brady TJ: rapid MR imaging with suspended respiration: clinical application in the liver, *Radiology* 1986; 161: 125
 Edelman RR; Johnson K; Buxton R; et al: MR of hemorrhage: new approach, *AJNR* 1986; 7: 751
 Edelman RR; Kaufman H; Kolodny GM: case report 350, *Skeletal Radiol* 1986; 15: 160
 Edelman RR; Stark DD; Saini S; Ferrucci JT Jr; Dinsmore RE; Ladd W; Brady TJ: oblique planes of section in MR imaging, *Radiology* 1986; 159: 809
 Edelman RR; Thompson R; Kantor H; Brady TJ; Leavitt M; Dinsmore RE: cardiac function: evaluation with fast-scan MR imaging, *Radiology* 1987; 162: 611
 Edelman RR; Weden VJ; Davis KR; Widder D; Hahn PF; Shoukimas GM; Brady TJ: multiphase MR imaging: new method for direct imaging of pulsatile CSF flow, *Radiology* 1986; 161: 779

- Edelstein H; McCabe RE: perinephric abscess: modern diagnosis and treatment in 47 cases, (ab), *Radiology* 1988; 169: 587
- Edelstein S See Perez CA
- Edelstein S See Shalev E
- Edelstein WA See Hardy CJ
- Edelstein WA; Glover GH; Hardy CJ; et al: intrinsic signal-to-noise ratio in NMR imaging, *Magn Res Med* 1986; 3: 604
- Eden OB See Gerrard M
- Edgerton ER See Tsui BMW
- Edgington T See Khaw BA
- Edgren MR; Revesz L: compartmentalised depletion of glutathione in cells treated with buthionine sulfoximine, *Br J Radiol* 1987; 60: 723
- Edgren MR; Solen G; Revesz L: specificity of endogenous glutathione in determining the oxygen enhancement of cellular radiosensitivity, *Int J Radiat Oncol Biol Phys* 1986; 12: 1147
- Edholm P See Djerf K
- Edie RN See Cammack PL
- Edin R See Cederlund C-G
- Edkin R See Vento JA
- Edland RW: does adjuvant radiotherapy have a role in the postmastectomy management of patients with operable breast cancer—revisited, *Int J Radiat Oncol Biol Phys* 1988; 15: 519
- Edmonds CJ; Smith T: long-term hazards of the treatment of thyroid cancer with radioiodine, *Br J Radiol* 1986; 59: 45
- Edmonds CJ; Willis CL: serum thyroglobulin in the investigation of patients presenting with metastases, *Br J Radiol* 1988; 61: 317
- Edmonds P See Hilpert PL
- Edmonds PD; Ross P: acoustic emission as a measure of exposure of suspended cells *in vitro*, *Ultrasound Med Biol* 1986; 12: 297
- Edmonds PD; Ross P: protein synthesis by neuroblastoma cells is enhanced by exposure to burst-mode ultrasound cavitation, *Ultrasound Med Biol* 1988; 14: 219
- Edmondson B: United Kingdom nuclear reactor design and operation, *Br J Radiol* 1987; 60: 1174
- Edmondson SW See Spence AM
- Edmondson GR; Charboneau JW; James EM; Reading CC; Grant CS: parathyroid carcinoma: high-frequency sonographic features, *Radiology* 1986; 161: 65
- Edmunds LH Jr See Cammack PL
- Edrich J: microwaves in breast cancer detection, *Eur J Radiol* 1987; 7: 183
- Edvinsson I See Jansen I
- Edwards B See Goekeler WF
- Edwards CC See Gellad FE
- Edwards D See Mitchell DM
- Edwards DJ; Knight RC; Zahoor A: DNA damage induced by redox-activated nitroimidazoles—pH effects, *Int J Radiat Oncol Biol Phys* 1986; 12: 1207
- Edwards DK See Dillard JP
- Edwards DK See Nancarrow PA
- Edwards DK See vanSonnenberg E
- Edwards DK III: x-ray gogs: preliminary evaluation of a "new" imaging modality, *AJR* 1988; 150: 731
- Edwards DK III; Berry CC; Hilton SVW: trisomy 21 in newborn infants: chest radiographic diagnosis, *Radiology* 1988; 167: 317
- Edwards DK III; Hilton SVW: flat chest in chronic bronchopulmonary dysplasia, *AJR* 1987; 149: 1213
- Edwards FM See Hendee WR
- Edwards FM: dose-response models and methods of risk prediction and causation estimation, *Semin Nucl Med* 1986; 16: 118
- Edwards JE See Feigl D
- Edwards JH See Alvarez O
- Edwards JH See Hyman RA
- Edwards KM See Tarr RW
- Edwards M See Purvin V
- Edwards MK See Bognanno JR
- Edwards MK See Boyko OB
- Edwards MK See Hicks ME
- Edwards MK See Kuharik MA
- Edwards MK See Rippe DJ
- Edwards MK See Stevens JC
- Edwards MK; Farlow MR; Stevens JC: cranial MR in spinal cord MS: diagnosing patients with isolated spinal cord symptoms, *AJNR* 1986; 7: 1003
- Edwards MSB See Linstadt D
- Edwards MT; Smith WL; Hanson J; et al: prenatal sonographic diagnosis of triploidy, *J Ultrasound Med* 1986; 5: 279
- Edwards O See Burke DR
- Edwards S See Clarke SEM
- Edworthy SM See Arnett FC
- EEC Concerted Research Project: II: a protocol for *in vitro* proton relaxation studies, *Magn Res Imag* 1988; 6: 179
- EEC Concerted Research Project: IV: protocols and test objects for the assessment of MRI equipment, *Magn Res Imag* 1988; 6: 195
- Efange SMN; Kung HF; Billings J; et al: technetium-99m bis (aminoethanethiol) complexes with amine sidechains—potential brain perfusion imaging agents for SPECT, *J Nucl Med* 1987; 28: 1012
- Effmann EL See Sullivan DC
- Effmann EL See Williams DW
- Effmann EL See Yankes JR
- Effmann EL: research by pediatric radiologists—past accomplishments and future opportunities, *Pediatr Radiol* 1987; 17: 355
- Effmann EL; Whitman SA; Smith BR: aortic arch development, *Radiographics* 1986; 6: 1065
- Efremidis AP See Shpall EJ
- Eftekhari F See Albin J
- Eftekhari F See Lorigan JG
- Eftekhari F See Peuchot M
- Eftekhari F See Shimizu H
- Eftekhari F See Shirkhoda A
- Eftekhari F; Shirkhoda A; Gangir A: cavitation of a mediastinal mass following chemotherapy for histiocytosis-X: CT demonstration, *JCAT* 1986; 10: 130
- Egan D See Kaplan PA
- Egan PJ See Müller-Forell W
- Egawa S; Tsukiyama I; Akine Y; et al: hyperthermic therapy of deep seated tumors: comparison of the heating efficiencies of an annular array applicator and a capacitively coupled radiofrequency system, *Int J Radiat Oncol Biol Phys* 1988; 14: 521
- Egawa S; Tsukiyama I; Akine Y; et al: radiotherapy of brain metastases, *Int J Radiat Oncol Biol Phys* 1986; 12: 1621
- Ege GN See Juma N
- Ege GN See McLean RG
- Ege GN; Clark RM: internal mammary lymphoscintigraphy in the conservative management of breast carcinoma: update and recommendations for the new TNM staging, (ab), *Radiology* 1986; 158: 566
- Egelhoff JC; Ball WS Jr; Towbin RB; et al: dural ectasia as a cause of widening of the internal auditory canals in neurofibromatosis, *Pediatr Radiol* 1987; 17: 7
- Egelhoff JC; Bisset GS III; Strife JL: multiple enteric duplications in an infant, *Pediatr Radiol* 1986; 16: 160
- Egenger G; Furtscberger A: clinical significance of sonography of the ureter, *Eur J Radiol* 1987; 7: 42
- Egenger G; Pirker E; Rapp C; et al: transrectal ultrasonography as a follow-up method in prostatic carcinoma after external beam and interstitial radiotherapy, *Eur J Radiol* 1988; 8: 37
- Egerton-Vernon J See Khafaji F
- Egger J See Kendall BE
- Eggermont AM; Lameris JS; Jeekel J: ultrasound-guided percutaneous transhepatic cholecystostomy for acute calculous cholecystitis, (ab), *Radiology* 1986; 159: 570
- Egleston D See Klein MA
- Egleston DE; Bartold K; Abghari R: recognition of renal osteodystrophy on bone imaging, *Clin Nucl Med* 1986; 11: 543
- Egleston JC See Dahmert WF
- Egleston JC See Hamper UM
- Eggl DF See Balseiro J
- Eggl KD See Taylor GA
- Eggl KD; Potter BM; Garcia V; et al: delayed diagnosis of esophageal perforation by aluminum foreign bodies, *Pediatr Radiol* 1986; 16: 511
- Eguchi K See Mori K
- Eguchi S See Yamazaki Y
- Egund N See Pettersson H
- Egund N: axial view of the patello-femoral joint: description of a new radiographic method for routine use, *Acta Radiol* 1986; 27: 101
- Egund N; Hasegawa Y; Pettersson H; et al: conventional radiography in transient synovitis of the hip in children, *Acta Radiol* 1987; 28: 193
- Egund N; Jonsson E; Lidgren A; et al: computed tomography of humeral head cup arthroplasties: preliminary report, *Acta Radiol* 1987; 28: 71
- Egund N; Pettersson H: computed tomographic synography in orthopedic radiology, *Skeletal Radiol* 1988; 17: 96
- Egund N; Pettersson H; Frost S; et al: potential of computed tomography in visualising structures inside the metal cup in surface-replacement total hip arthroplasty, *Skeletal Radiol* 1987; 16: 201
- Ehara S See El-Khoury GY
- Ehara S; El-Khoury GY; Bergman RA: accessory sacral joint: a common anatomic variant, *AJR* 1986; 150: 857
- Ehman RL See Binkovits LA
- Ehman RL See Earnest F IV
- Ehman RL See Feinlee JP
- Ehman RL See Jack CR Jr
- Ehman RL See Moore SG
- Ehman RL: MR imaging of medullary bone, *Radiology* 1988; 167: 867
- Ehman RL; Berquist TH: magnetic resonance imaging of musculoskeletal trauma, *Radiol Clin North Am* 1986; 24: 291
- Ehman RL; Berquist TH; McLeod RA: MR imaging of early avascular necrosis: reply, *Radiology* 1988; 169: 282
- Ehman RL; Berquist TH; McLeod RA: MR imaging of the musculoskeletal system: a 5-year appraisal, *Radiology* 1988; 166: 313
- Ehman RL; Brasch RC; McNamara MT; et al: diradical nitroxyl spin label contrast agents for magnetic resonance imaging: comparison of relaxation effectiveness, *Invest Radiol* 1986; 21: 125
- Ehman RL; McNamara MT; Brasch RC; Feinlee JP; Gray JE; Higgins CK: influence of physiologic motion on the appearance of tissue in MR, *Radiology* 1986; 159: 777
- Ehmke FM See Loughran CF
- Ehrenberg L See Nilsson R
- Ehrhardt JC See Boonkitticharoen V
- Ehrhardt JC See Franken EA Jr
- Ehrhardt JC; Tian Z; Chang W: reduced MR acquisition time with the CROCUS technique, *JCAT* 1988; 12: 468
- Ehrin E See Farde L
- Ehringer H See Koppensteiner R
- Ehrlich CE See Reddy S
- Ehrlich I See Moote D
- Ehrlich LE See Iles SE
- Ehrlich MG See Kushner DC
- Ehrlich RM See Kangaroo H
- Ehrman KO; Kopecky KK; Wass JL; et al: parapetiv lymph cyst in a renal allograft mimicking hydronephrosis: CT diagnosis, *JCAT* 1987; 11: 714
- Ehrmann RL See Lister JE
- Eiber A See Wiener SN
- Eiber AM; Wiener SN: "photopenic" bone lesion secondary to erector spinae muscle infiltration by breast carcinoma, *Clin Nucl Med* 1986; 11: 194
- Eichelberger MR See Brick SH
- Eichelberger MR See Taylor GA
- Eidelberg D; Johnson G; Barnes D; et al: ¹⁹F NMR imaging of blood oxygenation in the brain, *Magn Res Med* 1986; 4: 344
- Eifel PJ: decreased bone growth arrest in weanling rats with multiple radiation fractions per day, *Int J Radiat Oncol Biol Phys* 1988; 15: 141
- Eifel PJ; Cassidy JR; Belli JA: radiation therapy of tumors of the brainstem and midbrain in children: experience of the Joint Center for Radiation Therapy and Children's Hospital Medical Center (1971-1981), *Int J Radiat Oncol Biol Phys* 1987; 13: 847
- Eigen H See Cohen MD
- Eik-Nes SH See Eriksen BC
- Eilers GAM See Shaw PC
- Eiligi I See Barki Y
- Ein S See Berman L
- Ein SH See Stringer DA
- Einarsson E; Albrechtsson U; Eklof B; et al: follow-up evaluation of venous morphologic factors and function after thrombectomy and temporary arteriovenous fistula in thrombosis of iliofemoral vein, (ab), *Radiology* 1987; 162: 588
- Einhaupt K See Bauer WM
- Einhorn N See Sjøvall K
- Eisen HJ; Rosenbloom M; Luschinger JC; et al: detection of resection of canine orthotopic cardiac allografts with indium-111 lymphocytes and gamma scintigraphy, *J Nucl Med* 1988; 29: 1223
- Eisenberg AD; Conturo TE; Mitchell MR; et al: enhancement of red blood cell proton relaxation with chromium labeling, *Invest Radiol* 1986; 21: 137
- Eisenberg B See Gefter WB
- Eisenberg B; Velchik MG; Alavi A: pleuropulmonary communication in a patient with right pleural effusion and ascites diagnosed by technetium-99m sulfur colloid imaging, *Clin Nucl Med* 1988; 13: 99
- Eisenberg B; Velchik MG; DeVries DF: thallium-201 chloride uptake in a lung tumor during a routine stress thallium examination, *Clin Nucl Med* 1988; 13: 214
- Eisenberg D; Hurwitz L; Yu AC: CT and sonography of multiple bile-duct hamartomas simulating malignant liver disease (case report), *AJR* 1986; 147: 279
- Eisenberg D; Luis-Jorge JC; Himmelfarb EH; et al: sonographic diagnosis of seminal vesicle cysts, *JCU* 1986; 14: 213
- Eisenberg HM See Levin HS
- Eisenberg RA; Bremer AM; Northup HM: intradural herniated cervical disk: case report and review of the literature, *AJNR* 1986; 7: 492
- Eisenberg RA; Vines FS; Taylor SB: bifid origin of the left vertebral artery, *Radiology* 1986; 159: 429
- Eisenberg RL See Krebs CA

- Eisenberg RL See McClellan RL
 Eisenrath H See Raeymaekers HH
 Eisenhut M; Berberich R; Kimmig B; et al: iodine-131-labeled diphosphonates for palliative treatment of bone metastases: II. preliminary clinical results with iodine-131 BDPs. *J Nucl Med* 1986; 27: 1255
 Eisert DR See Kersh CR
 Eisner DR See Meredith RF
 Eisman JA See Sambrook PN
 Eismond EJ See Post MJD
 Eisner R; Churchwell A; Noever T; et al: quantitative analysis of the tomographic thallium-201 myocardial bullseye display: critical role of correcting for patient motion. *J Nucl Med* 1988; 29: 91
 Eisner RL See Hellman RS
 Eisner RL See Nowak DJ
 Eisner RL; Fajman WA; Nowak DJ: distance-weighted backprojection: SPECT reconstruction technique: reply. *Radiology* 1986; 161: 852
 Eisner RL; Noever T; Nowak DJ; et al: use of cross-correlation function to detect patient motion during SPECT imaging. *J Nucl Med* 1987; 28: 97
 Eisner RL; Nowak DJ; Pettigrew R; et al: fundamentals of 180° acquisition and reconstruction in SPECT imaging. *J Nucl Med* 1986; 27: 1717
 Ekandem GJ See Ani OEO
 Ekberg H See Lundstedt C
 Ekberg O See Hambræus GM
 Ekberg O: cricopharyngeus revisited. *Br J Radiol* 1986; 59: 875
 Ekberg O: dysfunction of the pharyngo-oesophageal segment in patients with normal opening of the upper oesophageal sphincter: a cineradiographic study. *Br J Radiol* 1987; 60: 637
 Ekberg O: normal movements of the hyoid bone during swallow. *Invest Radiol* 1986; 21: 408
 Ekberg O; Besjakov J; Lindgren S: radiographic findings after cricopharyngeal myotomy. *Acta Radiol* 1987; 28: 555
 Ekberg O; Borgström P; Lindgren S: is there an accessory sphincter of the cervical oesophagus? *Br J Radiol* 1988; 61: 341
 Ekberg O; Kesk P: herniographic appearance of the lateral inguinal fossa. *Acta Radiol* 1987; 28: 563
 Ekberg O; Kullenberg K: direct diverticular inguinal hernia. *Acta Radiol* 1988; 29: 57
 Ekberg O; Lindgren S: effect of cricopharyngeal myotomy on pharyngo-oesophageal function: pre- and postoperative cineradiographic findings. *Gastrointest Radiol* 1987; 12: 1
 Ekberg O; Lindström C: upper esophageal sphincter area. *Acta Radiol* 1987; 28: 173
 Ekberg O; Nilsson PE: herniography: comparison of morbidity and image quality after use of high and low osmolality contrast media. *Invest Radiol* 1986; 21: 404
 Ekberg O; Redlund-Johnell I; Sjöblom KG: pharyngeal function in patients with rheumatoid arthritis of the cervical spine and temporomandibular joint. *Acta Radiol* 1987; 28: 35
 Eklund L See Hietala S-O
 Eklund L See Ivancev K
 Eklund L See Lotz H
 Eklund L See Nilsson U
 Eklund L; Forsberg L; Olsson AM: pharmacocardiographic assessment of penile arteries in patients with erectile failure. (ab). *Radiology* 1988; 168: 884
 Eklund L; Hietala S-O; Ljungberg B; et al: magnetic resonance imaging of renal masses at 0.02 tesla. *Acta Radiol* 1988; 29: 61
 Ekfors T See Alanen A
 Ekfors T See Soila K
 Ekholm DE See Listinsky JL
 Ekholm S See Constine LS
 Ekholm S: diagnosis and treatment of pineal region tumors. *Radiology* 1986; 161: 600
 Ekholm S: radiocontrast agents. *Radiology* 1986; 158: 516
 Ekholm S; Simon JH: magnetic resonance imaging and the acquired immunodeficiency syndrome dementia complex. *Acta Radiol* 1988; 29: 227
 Ekholm SE See Holttas S
 Ekholm SE See Simon JH
 Ekholm SE See Steiner E
 Ekholm SE See Utz R
 Ekholm SE: neuroanatomy and cranial computed tomography. *Radiology* 1988; 168: 794
 Ekholm SE; Dahlback O; Tylen U: preoperative treatment of squamous cell carcinoma of the lung with mitomycin-C in the bronchial artery. *Eur J Radiol* 1986; 6: 9
 Ekholm SE; Morris TW; Fonte D; et al: iopamidol and neural tissue metabolism: comparative in vitro study. *Invest Radiol* 1986; 21: 798
 Eklof B See Einarsson E
 Eklof O See Samuelsson L
 Eklof O; Mortenson W; Sandstedt R: suprarenal haematoma versus neuroblastoma complicated by haemorrhage: diagnostic dilemma in the newborn. *Acta Radiol* 1986; 27: 3
 Eklöf O; Ringertz H; Samuelsson L: percentage of migration as indicator of femoral head position. *Acta Radiol* 1988; 29: 363
 Eklund G See Wiklund K
 Eklund GW: innovations in mammographic compression. *AJR* 1988; 150: 791
 Eklund GW; Busby RC; Miller SH; et al: improved imaging of the augmented breast. *AJR* 1988; 151: 469
 Ekman M See Stenke L
 Ekstrand KE See Droege RT
 El-Aaser AA See Shafik A
 Elam E See Ackerman L
 El-Badawi MG See Hawass ND
 Elble RJ See Norrfray JF
 Elboim CM See Sussman SK
 El Deeb M See Schellhas KP
 Eldredge WJ See Steiner RM
 Eldridge MW; Berman W Jr; Greene ER: chronic maternal cigarette smoking and fetal abdominal aortic blood flow in humans. *J Ultrasound Med* 1986; 5: 131
 Eleff SM See Schnall MD
 Eleff SM; Schnall MD; Ligetti L; et al: concurrent measurements of cerebral blood flow, sodium, lactate, and high-energy phosphate metabolism using ^{19}F , ^{23}Na , ^1H , and ^{31}P nuclear magnetic resonance spectroscopy. *Magn Res Med* 1988; 7: 412
 Elena-Ibanez A See Morales-Piga A
 Elezovic I See Boskovic D
 Elfner R See Schlauch D
 El Gamal T See Hoffman SM
 El Gamal T See Hoffman WH
 El Gamal T See Quencer RM
 El Gamal T; Adams RJ; King DW; et al: modified CT techniques in the evaluation of temporal lobe epilepsy prior to lobectomy. *AJNR* 1987; 8: 131
 El Gamal T; Adams RJ; Nichols FT; et al: MR and CT investigation of cerebrovascular disease in sickle cell patients. *AJNR* 1986; 7: 1043
 El Gamal T; Allen MB Jr; Brooks BS; et al: MR evaluation of hydrocephalus. *AJNR* 1987; 8: 591
 El Gamal T; Mark EK; Brooks BS: MR imaging of Chiari II malformation. *AJNR* 1987; 8: 1037
 El-Gazzar AH; Mahmoud AR; Abdel-Dayem HM: technetium-99m DTPA uptake in uterine leiomyoma. *Clin Nucl Med* 1988; 13: 29
 El-Gazzar AH; Sawhney A; Abdel-Dayem HM; et al: experience with thallium-201 imaging in head and neck cancer. *Clin Nucl Med* 1988; 13: 286
 Elhakim T See Wong CS
 Elias DA See Azar-Kia B
 Elias EG See Reed WP
 Elias SS See Gianopoulos J
 Eliasson J See Pettersson H
 Eliot C See Allison MC
 Eliscu EH; Weiss GM: hematomia due to a pseudoaneurysm complicating a choledochal cyst. *AJR* 1988; 151: 783
 Elizondo G See Stark DD
 Elizondo G See Weissleder R
 Elizondo G; Weissleder R; Stark DD; Todd LE; Compton C; Wittenberg J; Ferrucci JT Jr: amebic liver abscess: diagnosis and treatment evaluation with MR imaging. *Radiology* 1987; 165: 795
 Elkanovitch R See Zwas ST
 El-Khoury G See Buckwalter JA
 El-Khoury GY See Berbaum KS
 El-Khoury GY See Ehara S
 El-Khoury GY See Foderaro AE
 El-Khoury GY See Newhouse KE
 El-Khoury GY: clinical radiology of the spine and the spinal cord. *Radiology* 1986; 161: 210
 El-Khoury GY: radiologic-pathologic correlation of musculoskeletal lesions. *Radiology* 1988; 168: 18
 El-Khoury GY; Clark CR; Dietz FR; Harre RG; Tozzi JE; Kathol MH: posterior atlantooccipital subluxation in Down syndrome. *Radiology* 1986; 159: 507
 El-Khoury GY; Ehara S; Weinstein JN; Montgomery WJ; Kathol MH: epidural steroid injection: a procedure ideally performed with fluoroscopic control. *Radiology* 1988; 168: 554
 El-Khoury GY; Foucar E; Blair WF; et al: case report 364. *Skeletal Radiol* 1986; 15: 313
 El-Khoury GY; Kathol MH; Chandler JB; Albright JP: shoulder instability: impact of glenohumeral arthrography on treatment. *Radiology* 1986; 160: 669
 El-Khoury GY; Larson RK; Kathol MH; Berbaum KS; Furst DE: seronegative and seropositive rheumatoid arthritis: radiographic differences. *Radiology* 1988; 168: 517
 Elkin C See Frager D
 Elkin CM See Frager DH
 Elkin CM See Maytal J
 Elkin M; Dodd GD; Heltzman ER; Martel W; Pollack HM; Kirkpatrick JA: Radiological Society of North America, 72nd scientific assembly and annual meeting: masters' film interpretation session. *Radiographics* 1987; 7: 465
 Ell PJ See Williams ES
 Ell PJ; Jarritt PH; Costa DC; et al: functional imaging of the brain. *Semin Nucl Med* 1987; 17: 214
 Ell S See Stanford W
 Ell SR See Jolles H
 Ell SR; Jolles H; Galvin JR: cine CT demonstration of nonfixed upper airway obstruction. *AJR* 1986; 146: 669
 Ellis B See Koford P-EL
 Ellenberg SS See Walton L
 Eller TW; Pasternak JF: isolated ventricles following intraventricular hemorrhage. (ab). *Radiology* 1986; 158: 284
 Ellerbrook C; Smith WL: neonatal small left colon in an infant with cystic fibrosis. *Pediatr Radiol* 1986; 16: 162
 Ellery S See Miraldi FD
 Elliott AT See Gillen GJ
 Elliott AT See Hilditch TE
 Elliott C See Belli AM
 Elliott DO: magnetic resonance imaging fundamentals and system performance. *Radiol Clin North Am* 1987; 25: 409
 Elliott GR See Sirr SA
 Elliott J See Alzate GD
 Elliott LP See Barth KH
 Elliott S: odontoid process in children—is it hypoplastic? *Clin Radiol* 1988; 39: 391
 Elliott S; Bruce J: submucosal gastric haematoma: a case report and review of the literature. *Br J Radiol* 1987; 60: 1132
 Elliott S; Davies P: urographic appearances of ureteric obstruction secondary to bladder carcinoma. *Clin Radiol* 1986; 37: 495
 Elliott S; Hutson MA; Wastie ML: bone scintigraphy in the assessment of spondylolysis in patients attending a sports injury clinic. *Clin Radiol* 1988; 39: 269
 Ellis BI See Kastan DJ
 Ellis BI See Shier CK
 Ellis BI See Thrall JH
 Ellis BJ; Shier CK; Leisen JJC; Kastan DJ; McGee JW: acne-associated spondylarthropathy: radiographic features. *Radiology* 1987; 162: 541
 Ellis ER; Millon RR; Mendenhall WM; et al: use of radiation therapy in the management of minor salivary gland tumors. *Int J Radiat Oncol Biol Phys* 1988; 15: 613
 Ellis F: growing points in radiotherapy since 1930: 65th Mackenzie Davidson Memorial Lecture 1984. *Br J Radiol* 1987; 60: 51
 Ellis JH See Aisen AM
 Ellis JH See Buckwalter KA
 Ellis JH See Cory DA
 Ellis JH See Granke DS
 Ellis JH See Hearnshen DO
 Ellis JH See Pennes DR
 Ellis JH See Siddiqui AR
 Ellis JH; Denham JS; Bies JR; et al: magnetic resonance imaging of systemic venous anomalies. *Comput Radiol* 1986; 10: 15
 Ellis JH; Siegel CL; Martel W; et al: radiologic features of well-differentiated osteosarcoma. *AJR* 1988; 151: 739
 Ellis JV See Gavatt ML
 Ellis K See Smith R
 Ellis M See Dixon AK
 Ellis WG See McGahan JP
 Ellis WR See O'Connor HJ
 Ellison MJ; Thornburg A; Turbiner E: demonstration of bleeding into a pancreatic pseudocyst on a technetium-99m labeled red blood cell scan. *Clin Nucl Med* 1987; 12: 969
 Ellison RC See Raptopoulos V
 Ellison RG See Kamath MV
 Ellison RG Jr See Rosenthal D
 Eliman H See Bunnell DH
 Ellsworth R See McCormick B
 Ellwart JW; Brettel H; Kober LO: cell membrane damage by ultrasound at different cell concentrations. *Ultrasound Med Biol* 1988; 14: 43
 El-Mahdi AM See Hillyard RW Jr
 El-Mahdi AM See Kaban DA
 El-Mahdi AM See Seymore CH
 Elmaleh DR See Kizuka H
 El-Merzabani MM See Shafik A
 Elmore JR; Ray FS; Dillihunt RC; et al: renal failure and advanced atherosclerotic lesions: salvage by vascular reconstruction. (ab). *Radiology* 1988; 169: 288
 Elmqvist D See Maly P
 el Naggar M See Awad HK
 Elomaa I See Salminen E
 Elouaer-Blanc L See Mathieu D
 Elsa T See Anda S
 El Sayed M See Abdel-Dayem HM
 El-Sayed ME See Rostom AY
 El-Shafie M; Mah CL: transient gallbladder distention in sick premature infants: value of ultrasonography and radionuclide scintigraphy. *Pediatr Radiol* 1986; 16: 468

- Elsinga PH See Ishiwata K
 Elson HR See Denman DL
 Elstein J See Rabinovitch M
 Elster AD: index system for comparative parameter weighting in MR imaging. *JCAT* 1988; 12: 130
 Elster AD: motion artifact suppression technique (MAST) for cranial MR imaging: superiority over cardiac gating for reducing phase-shift artifacts. *AJNR* 1988; 9: 671
 Elton RA See Fidas A
 Elwood JC See Zimmerman R
 Elyaderani MK See Forrest TS
 Elyaderani MK See Sease WC
 El Yousef SJ See Knelson MH
 El Yousef SJ See Martin B
 Emami B See Fields JN
 Emami B See Glazer HS
 Emami B See Konefal JB
 Emami B; Kim T; Roper C; Simpson JR; Pilepich MV; Hederman MA: postoperative radiation therapy in the management of lung cancer. *Radiology* 1987; 164: 251
 Emami B; Perez CA: combination of surgery, irradiation, and hyperthermia in treatment of recurrences of malignant tumors. *Int J Radiat Oncol Biol Phys* 1987; 13: 611
 Emami BN See Pilepich MV
 Emamine CW See Casola G
 Embon OM See Groshar D
 Embury SH See Brody AS
 Emerson D See Bundy AL
 Emerson D See Cartier MS
 Emery CD; Wall SD; Federle MP; et al: pharyngeal Kaposi's sarcoma in patients with AIDS. *AJR* 1986; 147: 919
 Emmons L See Garcia-Coll CT
 Emmons LL See Hegstrom T
 Emond J See Castaing D
 Emmons D See Gilsanz V
 Emmons D See Kropp J
 Emrich LJ See Chen TY
 Enders G See Delius M
 Endert G See Kachel R
 Endo K See Ohta H
 Endo K See Sakahara H
 Endo K See Watanabe Y
 Endtz LJ See Hekster REM
 Enderoth P See Theorell T
 Engel A See Adler OB
 Engel A; Adler OB; Keidar S: pseudocyst in splenic hilus with splenic vein thrombosis: case presentation and review. *Eur J Radiol* 1987; 7: 213
 Engel M See Lee BCP
 Engel MA See Monsein LH
 Engelberg S See Mekhmandarov S
 Engelberg S See Strauss S
 Engeler CE: textbook of diagnostic imaging. 3 vols. *Radiology* 1988; 169: 548
 Engelhard J See Shalev E
 Engelholm L See Delhaye M
 Engelholm SA See Kjaer M
 Engelstad B See Revel D
 Engelstad BL See Hricak H
 Engelstad BL; Ramos EC; Stoudemire J; et al: improved immune-specificity in monoclonal radioimmunodiagnosis using dual radionuclide color functional maps. *Invest Radiol* 1986; 21: 917
 Engelstad BL; Spiller LE; Del Rio MJ; Ramos EC; Rosendorff LL; Reinhold CE; Khetigan A; Huberty JP; Corpuz SW; Lee HM; Okerlund MD; Hattner RS; Scannon PJ: phase I immunophosphorimaging with an In-111-labeled antineoplastic monoclonal antibody. *Radiology* 1986; 161: 419
 Engelstad BL; White DL; Huberty JP; et al: hepatobiliary magnetic resonance contrast agents assessed by gadolinium-153 scintigraphy. *Invest Radiol* 1987; 22: 232
 Engeseth HR See Lenkinski RE
 Engler MJ: practical approach to uniform total body photon irradiation. *Int J Radiat Oncol Biol Phys* 1986; 12: 2033
 Engler MJ; Dewhirst MW; Winget JM; et al: automated temperature scanning for hyperthermia treatment monitoring. *Int J Radiat Oncol Biol Phys* 1987; 13: 1377
 Englesson SH See Abdel-Dayem HM
 English D See Mock BH
 English RE; MacGuire MH; Guyer PB: small bowel masses due to gallstones: report of two cases. *Clin Radiol* 1986; 37: 153
 English RE; Tulloch DN; Blaquiere RM: case report: demonstration of true hermaphroditism by computed tomography. *Clin Radiol* 1986; 37: 593
 English RJ See Tumehe SS
 Englund E See Gyroff-Wagner Z
 Englund E; Brun A; Gyroff-Wagner Z; et al: relaxation times in relation to grade of malignancy and tissue necrosis in astrocytic gliomas. *Magn Res Imag* 1986; 4: 425
 Englund R; Fairgrieve J; Brown PF; et al: correlation of clinical findings, duplex carotid artery scanning and CT scanning of the brain in 54 consecutive patients with bruits over the carotid artery bifurcation. (ab). *Radiology* 1986; 158: 571
 Engstrom H See Schulz EE
 Engstrom HIM See Hinshaw DB Jr
 Engstrom PF See Gatenby RA
 Engstrom-Laurent A See Bjerner L
 En-Huel W See Zong-Cheng L
 Enig B; Petersen HN; Smith DF; et al: food preferences, nutrient intake and nutritional status in cancer patients. *Acta Oncol* 1987; 26: 301
 Enig B; Winther E; Hessel I: energy and protein intake and nutritional status in non-surgically treated patients with small cell anaplastic carcinoma of the lung. *Acta Oncol* 1986; 25: 19
 Enk L See Wiklund M
 Enker W See Shank B
 Enneking WF See Pettersson H
 Enneking WF See Present DA
 Enneking WF See Springfield DS
 Ennis JT See Lynch D
 Ennis WP See Abrams ME
 Enomoto T See Nose T
 Ensminger WD See Andrews JC
 Ensminger WD See Bresler EL
 Ensminger WD See Li KC
 Ensor RE See Bohlman ME
 Enstrom JE See Parker RG
 Enthoven C See Verco PW
 Entman SS See Fleischer AC
 Enzinger FM See Chung EB
 Enzinger FM See Dupree WB
 Enzmann D See Griffin C
 Enzmann DR See Baker LL
 Enzmann DR See Burbank FH
 Enzmann DR See Kwan ESK
 Enzmann DR See Marks MP
 Enzmann DR See Noorbehesht B
 Enzmann DR See O'Donohue JM
 Enzmann DR See Rubin JB
 Enzmann DR; Britt RR; Obana WG; et al: experimental *Staphylococcus aureus* brain abscess. *AJNR* 1986; 7: 395
 Enzmann DR; Griffin C; Rubin JB: potential false-negative MR images of the thoracic spine in disk disease with switching of phase- and frequency-encoding gradients. *Radiology* 1987; 165: 635
 Enzmann DR; O'Donohue J: optimizing MR imaging for detecting small tumors in the cerebellopontine angle and internal auditory canal. *AJNR* 1987; 8: 99
 Enzmann DR; O'Donohue J; Rubin JB; et al: CSF pulsations within nonneoplastic spinal cord cysts. *AJNR* 1987; 8: 517
 Enzmann DR; Rubin JB: cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part I. general considerations and disk disease. *Radiology* 1988; 166: 467
 Enzmann DR; Rubin JB: cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part II. spinal cord disease. *Radiology* 1988; 166: 473
 Enzmann DR; Rubin JB; DeLaFaz R; Wright A: cerebrospinal fluid pulsation: benefits and pitfalls in MR imaging. *Radiology* 1986; 161: 773
 Enzmann DR; Rubin JB; O'Donohue J; Griffin C; Drace J; Wright A: use of cerebrospinal fluid gating to improve T2-weighted images. part II. temporal lobes, basal ganglia, and brain stem. *Radiology* 1987; 162: 768
 Enzmann DR; Rubin JB; Wright A: cervical spine MR imaging: generating high-signal CSF in sagittal and axial images. *Radiology* 1987; 163: 233
 Enzmann DR; Rubin JB; Wright A: use of cerebrospinal fluid gating to improve T2-weighted images. part I. the spinal cord. *Radiology* 1987; 162: 763
 Epenetos AA; Carr D; Johnson PM; et al: antibody-guided radiolocalisation of tumours in patients with testicular or ovarian cancer using two radiolabelled monoclonal antibodies to placental alkaline phosphatase. *Br J Radiol* 1986; 59: 117
 Epler GR See McLoud TC
 Epstein AE See Adey CK
 Epstein BM; Bocchola FC; Andrews JC; et al: case report: traumatic arterio-venous fistula involving the portal venous system. *Clin Radiol* 1987; 38: 91
 Epstein DH See Williams VI
 Epstein DH; Graves RW; Higgins WL: clinical significance of increased temporomandibular joint uptake by planar isotope bone scan. *Clin Nucl Med* 1987; 12: 705
 Epstein DH; Higgins WL: atypical spontaneous aorto-caval fistula: CT appearance. *Comput Radiol* 1986; 4: 189
 Epstein DM See Aronchick JM
 Epstein DM See Kundel HL
 Epstein DM; Arger PH; LaRossa D; et al: CT evaluation of gracilis myocutaneous vaginal reconstruction after pelvic exenteration. *AJR* 1987; 148: 1143
 Epstein DM; Dalinka MK; Kaplan FS; et al: observer variation in the detection of osteopenia. *Skeletal Radiol* 1986; 15: 347
 Epstein DM; Stephenson LW; Gefter WB; van der Voorde F; Aronchick JM; Miller WT: value of CT in the preoperative assessment of lung cancer: survey of thoracic surgeons. *Radiology* 1986; 161: 423
 Epstein FJ See Goy AMC
 Epstein FJ See Raghavendra BN
 Epstein JI See Zinreich SJ
 Epstein LC; Berman CZ; Sharer LR; et al: unilateral calcification and contrast enhancement of the basal ganglia in a child with AIDS encephalopathy. *AJNR* 1987; 8: 163
 Epstein S See Ramanathan K
 Epstein S; Ramanathan K; Yaghoobian J; et al: sonographic appearance of the reservoir of an inflatable penile prosthesis. *JCU* 1987; 13: 353
 Eraklis A See Kandarpa K
 Erasmus U; Lundell B: pulmonary lesions mimicking pericardial effusion on ultrasonography. *Pediatr Radiol* 1987; 17: 447
 Erasmus U; Mortenson W; Persson U; et al: scintigraphic evaluation of traumatic splenic lesions in children. *Acta Radiol* 1988; 29: 121
 Erba SM; Horton JA; Latchaw RE; et al: balloon test occlusion of the internal carotid artery with stable xenon/CT cerebral blood flow imaging. *AJNR* 1988; 9: 533
 Erbel R; Richter HA; Krebs W; et al: right ventricular volume determination in isolated human hearts. *JCU* 1986; 14: 89
 Erbsstein RA; Wholey MH; Smoot S: subclavian artery steal syndrome: treatment by percutaneous transluminal angioplasty. *AJR* 1988; 151: 291
 Ercole C See Smith TP
 Erdman WA See Weinreb JC
 Erdman WA; Weinreb JC; Cohen JM; Buja LM; Chaney C; Peschok RM: venous thrombosis: clinical and experimental MR imaging. *Radiology* 1986; 161: 233
 Erfmann RKL See Scalliet P
 Erickson EE See Johnson MR
 Erickson AM; de la Monte SM; Moore GW; et al: progression of morphologic changes in bronchopulmonary dysplasia. (ab). *Radiology* 1987; 165: 587
 Erickson DI See Derauf BJ
 Erickson J See Simon JH
 Erickson JF See Powe NR
 Erickson JL See Kido DK
 Erickson SJ See Burke JW
 Erickson K See Bergstrom M
 Erickson K See Hannerz J
 Erickson K See Mosskin M
 Erickson K; Blomqvist G; Bergström M; et al: application of a kinetic model on the methionine accumulation in intracranial tumours studied with positron emission tomography. *Acta Radiol* 1987; 28: 505
 Erickson A See Benson L
 Erickson A See Hemmingson A
 Erickson A See Jung B
 Erickson A See Nyman R
 Erickson A See Skog S
 Erickson A See Sperber GO
 Erickson A See Stahlberg F
 Erickson S See Abdel-Dayem HM
 Erickson S See Al-Suhaili AR
 Eriksen BC; Eik-Nes SH: prognostic value of ultrasound, HCG and progesterone in threatened abortion. *JCU* 1986; 14: 3
 Eriksen CA; Sadek SA; Cranford C; et al: reflux oesophagitis and oesophageal transit: evidence for a primary oesophageal motor disorder. (ab). *Radiology* 1988; 169: 880
 Erikson U; Helmius G; Hemmingson A; et al: repeat femoral arteriography in hyperlipidemic patients: a study of progression and regression of atherosclerosis. *Acta Radiol* 1988; 29: 303
 Eriksson B See Andersson T
 Eriksson J See Fjellidal A
 Eriksson J; Nordshus T; Carlsen K-H; et al: radiological findings in children with respiratory syncytial virus infection: relationship to clinical and bacteriological findings. *Pediatr Radiol* 1986; 16: 120
 Eriksson S See Abdel-Dayem HM
 Eriksson S; Isberg B; Lindgren U: vertebral bone mineral measurement using dual photon absorptiometry and computer tomography. *Acta Radiol* 1988; 29: 89
 Eriksson UG See Grodd W
 Eriksson UG; Ogan MD; Peng C-T; et al: metabolic fate in the dog of the nitroside moiety in a contrast agent in MRI. *Magn Res Med* 1987; 5: 73
 Erlebacher JA; Cahill FT; Pannizzo F; et al: effect of magnetic resonance imaging on DDD pacemakers. (ab). *Radiology* 1986; 161: 287
 Errabolu RL; Sehgal CM; Bahn RC; et al: measurement of ultrasonic nonlinear parameter in excised fat tissues. *Ultrason Med Biol* 1988; 14: 137

Errico TJ: role of diskography in the 1980s. *Radiology* 1987; 162: 285

Errington RD See Campbell IR

Errington RD See Catterall M

Errington RD; Catterall M: re-irradiation of advanced tumors of the head and neck with fast neutrons. *Int J Radiat Oncol Biol Phys* 1986; 12: 191

Erturk E, Lange PH; Hulbert JC: percutaneous and extracorporeal management of urolithiasis. *Invest Radiol* 1987; 22: 995

Ertzner TW; Sandler MP; Kulkarni MV; et al: quantitative evaluation of postembolized splenic tissue using technetium-99m sulfur colloid. *Clin Nucl Med* 1987; 12: 281

Erwin BC See Bernardino ME

Erwin BC See Steinberg HV

Erwin BC; Brynes RK; Chan WC; et al: percutaneous needle biopsy in the diagnosis and classification of lymphoma. (ab). *Radiology* 1986; 161: 288

Eryavec E See Laderoute KR

Erzen C See Anlar B

Escalada J See Alvarez FJ

Escarment F See Caudry M

Esche BA; Crook JM; Horiot J-C: dosimetric methods in the optimization of radiotherapy for carcinoma of the uterine cervix. *Int J Radiat Oncol Biol Phys* 1987; 13: 1183

Esche BA; Fitzpatrick PJ: cutaneous malignant lymphoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 2111

Esche BA; Haie CM; Gerbaulet AP; et al: interstitial and external radiotherapy in carcinoma of the soft palate and uvula. *Int J Radiat Oncol Biol Phys* 1988; 15: 619

Eschwege F See Miglaniño L

Escott N See Millward S

Escudero I See Gordillo I

Esdaile JM See Björkengren AG

Esfahani F; Rooholamini SA; Vessal K: ultrasonography of hepatic hydatid cysts: new diagnostic signs. *J Ultrasound Med* 1988; 7: 443

Eshghi M See Badiani G

Eshghi M See Schiff RG

Eshima D See Fritzbeg AR

Eshima D See Taylor A Jr

Eshima D; Taylor A Jr; Fritzbeg AR; et al: animal evaluation of technetium-99m triamide mercaptide complexes as potential renal imaging agents. *J Nucl Med* 1987; 28: 1180

Esparza AR See Cronan JJ

Esparza AR See Dorfman GS

Espeiland MA See Westesson P-L

Espinosa GA See Flanders AE

Esquerre JP See Simon J

Esquivel CO See Tobben PJ

Eseltine DW See Paltiel HJ

Eser JD See Savitch I

Eser PD See Nickoloff EL

Eser PD See Romney BM

Eser PD See Seldin DW

Eteban J See Carrasquillo JA

Eteban JM; Schlom J; Gansow OA; et al: new method for the chelation of indium-111 to monoclonal antibodies: biodistribution and imaging of athymic mice bearing human colon carcinoma xenografts. *J Nucl Med* 1987; 28: 861

Etey E See Zwelling LA

Estorch M See Carrio I

Estorch M See Pons F

Estrada J See Quinn SF

Estrera A See Vasquez RE

Estroff J See McGrath MA

Etani H See Handa N

Etchells AH See Hall RC

Ethier R See Peters TM

Ethier R See Reisin R

Ethier R See Theron J

Ethier R See Thibodeau M

Ettevent JP See Didier D

Ettenger N See Zerhouni EA

Ettenger NA See Naidich DP

Ettinger B See Reinbold W-D

Eulderink F See Bloem J

European Group for Breast Cancer Screening: guidelines for breast cancer screening. *Clin Radiol* 1987; 38: 217

Eusek JF; Bush WH; Burnett LL; Gibbons RP: in-bath filming during extracorporeal shock wave lithotripsy. *Radiology* 1986; 158: 850

Evan AP See Bernstein J

Evancho AM; Stiles RG; Fajman WA; et al: MR imaging diagnosis of rotator cuff tears. *AJR* 1988; 151: 751

Evangelatos GP See Livaniou E

Evanchenko WT; Reeves RC; Sakai TT; et al: proton NMR spectroscopy in myocardial ischemic insult. *Magn Res Med* 1987; 5: 23

Evans AC See Meyer E

Evans AE See Renshaw PF

Evans C See Clements R

Evans C See Lyons K

Evans C: annotation: renal failure radiology—1987. *Clin Radiol* 1987; 38: 457

Evans CC See Morewood DJW

Evans DG See Vasquez TE

Evans DH See Baker AR

Evans DH; Levene MI; Shortland DB; et al: resistance index, blood flow velocity, and resistance-area product in the cerebral arteries of very low birth weight infants during the first week of life. *Ultrasound Med Biol* 1988; 14: 103

Evans HJ See LeBlanc AD

Evans JA See Fornasier VL

Evans JA; Barnes C; Lewis TJ: effect of solvation on the ultrasonic absorption of bovine serum albumin solutions. *Ultrasound Med Biol* 1988; 14: 299

Evans JB; Shapeero LG; Roscelli JD: infantile glomerulonephritis mimicking polycystic kidney disease. *J Ultrasound Med* 1988; 7: 29

Evans JM See Beard JD

Evans JPM See Mehta A3

Evans KG See Müller NL

Evans KG See Scott IR

Evans KG See Staples CA

Evans KT See Colhoun EN

Evans KT See Davies RL

Evans KT See Fowkes FGR

Evans MDC See Pla C

Evans MDC See Podgorsak EB

Evans MI; Fletcher JC; Zador IE; et al: selective first-trimester termination in octuplet and quadruplet pregnancies: clinical and ethical issues. (ab). *Radiology* 1988; 168: 588

Evans ML; Graham MM; Mahler PA; et al: use of steroids to suppress vascular response to radiation. *Int J Radiat Oncol Biol Phys* 1987; 13: 563

Evans NS See Davies AM

Evans RG See Hart RM

Evans RG See Shaw EG

Evans RG; Wheatley CL; Nielsen JR: modification of radiation-induced damage to bone marrow stem cells by dose rate, dose fractionation, and prior exposure to cytoxin as judged by the survival of CFU; application to bone marrow transplantation (BMT). *Int J Radiat Oncol Biol Phys* 1988; 14: 491

Evans RGB See Hall AG

Evans RH; Colbert RF: acute perforated appendicitis—an unusual variant simulating acute calculous cholecystitis. *JCU* 1988; 16: 513

Evans RJ; Wingfield DD; Morollo BA; et al: ureteral stone manipulation before extracorporeal shock wave lithotripsy. (ab). *Radiology* 1988; 168: 588

Evans S; Williams F: case report: Erdheim-Chester disease: polyostotic sclerosing histiocytosis. *Clin Radiol* 1986; 37: 93

Evans SJ See Siegel MJ

Evans SM See Grossman RI

Evans SM; Labs LM; Yuhas JM: response of human neuroblastoma and melanoma multicellular tumor spheroids (MTS) to single dose irradiation. *Int J Radiat Oncol Biol Phys* 1986; 12: 969

Evans WD See Compston JE

Evans WE; Hayes JP: life history of patients with transient ischemic attacks and essentially normal angiograms. (ab). *Radiology* 1988; 167: 887

Evarts CM See Anthony P

Evarts CM See Ayers DC

Evans RG See Getz TA

Evans RG See Monsees B

Evans RG See Whitley NO

Evans RG: economic impact of low-osmolality contrast agents on radiology procedures and departments. *Radiology* 1987; 162: 267

Evans RG: efficacy lesson for medical radiologists from our dental colleagues. *Radiology* 1987; 162: 873

Evans RG: importance of economics in academic radiology (or "money talks"). *Invest Radiol* 1988; 23: 227

Evans RG: low-osmolality contrast media: good news or bad? *Radiology* 1988; 169: 277

Evans RG: mammographic screening: how to operate successfully at low cost. *Radiology* 1986; 161: 850

Evans RG: women in radiology. *Radiology* 1987; 164: 282

Evans RG; Evans RG Jr: economic and utilization analysis of MR imaging units in the United States in 1987. *Radiology* 1988; 166: 27

Evans RG Jr See Evans RG

Even-Sapir E See Front D

Everett J See Connor S

Evers H See Ohlén L

Evers K See Caroline DF

Eversman W See Kassin CM

Everson JD; Gray JE: focal-spot measurement: comparison of slit, pinhole, and star resolution pattern techniques. *Radiology* 1987; 165: 261

Evert MB See Torres WE

Evill CA See Hassam RM

Evill CA See Wilcox J

Evill CA; Wilcox J; Hassam RM; et al: examination of the nephrographic potential of iotrol by computed tomography. *Invest Radiol* 1988; 23: 216

Evison G: intermittent hydronephrosis: unique feature of ureteropelvic junction obstruction caused by a crossing renal vessel. *Radiology* 1986; 159: 283

Evrard C See Courtheoux P

Ewald FC See Weissman BNW

Ewen K See Neufang KFR

Ewing DK See Panicek DM

Ewing R See Fowler RC

Ewing RH See Brady MB

Ewing SL See Grund FM

Ewusi-Mensah I See Baldy RE

Ewy CS; Ackerman JHH; Balaban RS: deuterium NMR cerebral imaging *in situ*. *Magn Res Med* 1988; 8: 35

Ewy CS; Babcock EE; Ackerman JHH: deuterium nuclear magnetic resonance spin-imaging of D₂O: potential exogenous MRI label. *Magn Res Med* 1986; 4: 407

Exalto N See van Rosseel J

Exelby P See Mandell RJ

Ey EH See Campana RJ

Ey EH: pediatric oncology: an illustrated introduction. *Radiology* 1988; 169: 704

Ey EH; Han BK; Towbin RB; Jaun W-K: bony inlet stenosis as a cause of nasal airway obstruction. *Radiology* 1988; 168: 477

Ey EH; Oestreich AE: ergebnisse der inneren medizin und kinderheilkunde (advances in internal medicine and pediatrics) vol. 55. *Radiology* 1988; 166: 686

Ey EH; Wall M; Numaguchi Y; et al: neurosarcoidosis involving optic nerves and leptomeninges: computed tomography findings. *CT* 1986; 10: 129

Eyal A: case of the season. *Semin Roentgenol* 1988; 23: 145

Eybalin M-C; Danais S; Marton D; et al: fibrose chondromyxoid: aspects radiologique et radio-isotopique. *J Canad Assoc Radiol* 1988; 39: 148

Eyd A See Gomeri JM

Eyes BE; Goldman M; Nixon TE; et al: low dose low osmolar intravenous urography. *Clin Radiol* 1987; 38: 403

Eyler WR See Cruz C

Eyler WR: annales de radiologie. Vol. 28 (no. 6). index 1983-1984 of European radiological journals. *Radiology* 1986; 159: 342

Eyre H See Taylor A Jr

Eyre HJ See Samlowski WE

Ezer J See Santiago S

F

Fabbria D See Becciolini A

Fabian R See Chislin R

Fabian TC See Gavanti ML

Fabbretto M See Padovani R

Fabrikant H: basilar artery fenestration with an associated aneurysm: case report. *Australas Radiol* 1988; 32: 127

Fabrikant JI See Marks MP

Fabrikant JI See Noorbehesht B

Fabrikant JI See Woodruff KH

Falal P See Maynar M

Fache JS See Becker CD

Fache JS See Burhenne HJ

Fache JS See Gibney RG

Fache JS; Price C; Hawbolt EB; et al: MR imaging artifacts produced by dental materials. *AJNR* 1987; 8: 837

Faden AI See Vink R

Faerber EN See Swartz JD

Faerber EN See Wolfson BJ

Fagan CJ See Bedi DG

Fagan CJ See Gallagher P

Fagan CJ See Stanley JH

Fagan CJ See Winsett MZ

Fagan PA See Grattan-Smith JD

Fagel WJ; Hekster REM; Smith SJ; et al: transient intrasellar collection of air during bromocriptine treatment of a prolactinoma. *Neuroradiol* 1986; 28: 364

Fagelman D See Cohen DJ

Fagelman D See Javors BR

Fagelman D; Lawrence LP; Black KS; et al: inferior vena cava pseudothrombus in computed tomography using a contrast medium power injector: a potential pitfall. *JCAT* 1987; 11: 1042

Fagerholm MI See Peters ME

Fagerlund M: computed tomography of the cerebellopontine cistern in normal and acoustic tumor patients. *Acta Radiol* 1987; 28: 231

Fagerlund M; Lillquist B: intermittent cerebrospinal liquororrhea: cerebral computed tomography in the non-drop period. *Acta Radiol* 1987; 28: 189

- Fagerlund MKJ: computed tomography in low back pain before and after myelography: a qualitative comparison. *Acta Radiol* 1988; 29: 353
- Fahey FH See Balseiro J
- Fahey FH See Goldstein HA
- Fahey FH See Ziesman HA
- Fahey JT See Ascutto RJ
- Fahey PJ See Wandtke JC
- Fahl MH See Saksook FA
- Fahmy JL See Hinchshaw DB Jr
- Faiman C See Mehta AE
- Fair W See Drach GW
- Fair W See Riehl RA Jr
- Fairchild RG See Coderre JA
- Fairclough J; Colhoun E; Johnston D; et al: bone scanning for suspected hip fractures. (ab). *Radiology* 1987; 164: 886
- Fairgrieve J See Englund R
- Fairhurst JJ See Rubin CME
- Faithfull GR; Sonnabend DH: computerized arthrography of the glenohumeral joint. *Australas Radiol* 1988; 32: 111
- Faix RG See DiPietro MA
- Fajardo LF; Donaldson SS; Kelly NI: von Willebrand factor levels do not predict or diagnose radiation pneumonitis. *Int J Radiat Oncol Biol Phys* 1986; 12: 107
- Fajardo LL See Hillman BJ
- Fajardo LL: breast tumor seeding along localization guide wire tracks. *Radiology* 1988; 169: 580
- Fajardo LL; Hillman BJ: image quality, diagnostic certainty, and accuracy: comparison of conventional and digital urograms. *Urol Radiol* 1988; 10: 72
- Fajardo LL; Hillman BJ; Hunter TB; et al: impact of focused instruction on learning mammography. *Invest Radiol* 1987; 22: 990
- Fajardo LL; Hillman BJ; Hunter TB; Claypool HR; Westerman BR; Mockbee R: excretory urography using computed radiography. *Radiology* 1987; 162: 345
- Fajardo LL; Standen JR; Smith RG: radiologic appearance of the Jarvik artificial heart implant and its thoracic complications. *AJR* 1988; 151: 667
- Fajardo LL; Yoshino MT; Chernin MM: computed tomography findings in squamous cell carcinoma of the pancreas. *CT* 1988; 12: 138
- Fajman WA See Eisner RL
- Fajman WA See Evancho AM
- Fajman WA See Nowak DJ
- Fajman WA See Ziffer JA
- Fakhri A; Fishman EK; Mitchell SE; et al: role of CT in the management of pelvic arteriovenous malformations. *Cardiovasc Intervent Radiol* 1987; 10: 96
- Fakhry J See Ferraro EM
- Fakhry J See Kotval PS
- Fakhry J See Schechter AG
- Fakhry J; Reiser M; Shapiro LR; et al: increased echogenicity in the lower fetal abdomen: common normal variant in the second trimester. *J Ultrasound Med* 1986; 5: 489
- Fakhry J; Shapiro LR; Schechter A; et al: fetal gastric pseudomasses. *J Ultrasound Med* 1987; 6: 177
- Falahee MH See Stuck KJ
- Falaschi F See Perri G
- Falchuk KR See Clouse ME
- Falcini F See Vichi GF
- Falconi CL: producing quality radiographic images. *Radiology* 1988; 167: 652
- Falk RL; Smith DF: thrombosis of upper extremity thoracic inlet veins: diagnosis with duplex Doppler sonography. *AJR* 1987; 149: 677
- Falke THM See Mazer MJ
- Falke THM; Peetoom JJ; de Roos A; et al: gadolinium-DTPA enhanced MR imaging of intravenous extension of adrenocortical carcinoma. *JCAT* 1988; 12: 331
- Falke THM; te Strake L; Sandler MP; Shaff MI; Page DL; Bloom JL; van Seters AP; Partain CL; James AE Jr; Bluemner RG: magnetic resonance imaging of the adrenal glands. *Radiographics* 1987; 7: 343
- Falke THM; te Strake L; Shaff MI; et al: MR imaging of the adrenals: correlation with computed tomography. *JCAT* 1986; 10: 242
- Falke THM; van Seters AP; Schaberg A; et al: computed tomography in untreated adults with virilizing congenital adrenal cortical hyperplasia. *Clin Radiol* 1986; 37: 155
- Falke THM; Zweyffening-Snijders MC; Zweyffening RCVJ; et al: computed tomography of an ancient Egyptian cat. *JCAT* 1987; 11: 745
- Falkenbach KH See Hansen GC
- Falkenløve P See Strandberg C
- Falkoff GE; Rigby CM; Rosenfield AT: partial, combined cortical and medullary nephrocalcinosis: US and CT patterns in AIDS-associated MAI infection. *Radiology* 1987; 162: 343
- Falkoff GE; Taylor KJW; Morse SS: hepatic artery pseudoaneurysm: diagnosis with real-time and pulsed Doppler US. *Radiology* 1986; 158: 55
- Fallat ME See Taylor GA
- Fallis RJ; Fisher M: cerebral vasculitis and hemorrhage associated with phenylpropanolamine. (ab). *Radiology* 1986; 158: 572
- Fallon M See Cohen EK
- Fallon M See Mitchell DG
- Fallone BG; Wallace S; Gianturco C: elastic characteristics of the self-expanding metallic stents. *Invest Radiol* 1988; 23: 370
- Falut J See Gianfili D
- Fam AG; Rubenstein JD; Cowan DH: POEMS syndrome: study of a patient with proteinuria, microangiopathic glomerulopathy, and renal enlargement. (ab). *Radiology* 1986; 161: 284
- Fam BW See Olson SL
- Fam BW; Olson SL; Winter PF; Scholz FJ: algorithm for the detection of fine clustered calcifications on film mammograms. *Radiology* 1988; 169: 333
- Fan M; Gonord P; Kan S; et al: UHF probe for NMR micro-imaging experiments. *Magn Res Med* 1987; 4: 591
- Fancher M See Bartold KP
- Fancher M; Abghari R; Bartold KP: initial detection of lower extremity septic deep venous thrombophlebitis by indium-111 WBC imaging in a patient with bacteremia. *Clin Nucl Med* 1986; 11: 206
- Fanconi S; Fischer JA; Wieland P; et al: Kenny syndrome: evidence for idiopathic hypoparathyroidism in two patients and for abnormal parathyroid hormone in one. (ab). *Radiology* 1987; 164: 888
- Fandos-Morera A; Prats-Estevé M; Tura-Soteras JM; Traveria-Cros A: breast tumors: composition of microcalcifications. *Radiology* 1988; 169: 325
- Fang D See Chan FL
- Fang M See Reinig JW
- Fang MA; Reinig JW; Hill SC; et al: Technetium-99m MDP demonstration of heterotopic ossification in fibrodysplasia ossificans progressiva. *Clin Nucl Med* 1986; 11: 8
- Fang M-Z See Travis EL
- Fankhauser H See Schnyder P
- Fannery D; Castillo M; Casillas J: malignant mesothelioma arising in the pouch of Douglas: computed tomography appearance. *Comput Med Imag Graph* 1988; 12: 179
- Fannery D; Castillo M; Lerner HH: computed tomography of calcified synovial sarcoma of the hypopharynx. *JCAT* 1988; 12: 687
- Fannery D; Castillo M; Montalvo B; et al: sonographic diagnosis of aneurysm of the right portal vein. *J Ultrasound Med* 1987; 6: 605
- Fannery D; Tehranzadeh J; Quencer RM; et al: case report 415. *Skeletal Radiol* 1987; 16: 170
- Fanti JE See McLoughlin MJ
- Fantozzi LM See Bozzola L
- Farago C: urolithiasis in the Aboriginal and non-Aboriginal children and adults of Central Australia. *Australas Radiol* 1987; 31: 300
- Farah J See Jafri SZH
- Farah MC; Jafri SZH; Schwab RE; Mezwa DG; Francis IR; Noujaim S; Kim C: duodenal neoplasms: role of CT. *Radiology* 1987; 162: 839
- Farber LR See Lacy J
- Farber LR See Todd MB
- Farchi G See Carella A
- Farde L; Hall H; Ehrin E; et al: quantitative analysis of D2 dopamine receptor binding in the living human brain by PET. (ab). *Radiology* 1986; 159: 822
- Farge D; Chastellier G; Pagny J-Y; et al: isolated clinical syndrome of primary aldosteronism in four patients with adrenocortical carcinoma. (ab). *Radiology* 1988; 167: 294
- Fargnoli R See Dal Pozzo G
- Farhat NZ See Connors AF Jr
- Farhat SM See Bucchi MN
- Farhi DC; Mason UG III; Hornsburger CR Jr: pathologic findings in disseminated *Mycobacterium avium* intracellular infection: report of 11 cases. (ab). *Radiology* 1986; 160: 862
- Fariello G See Preziosi P
- Farkas WR See Walden TL
- Farley T; Conway J; Shulman ST: hematogenous pelvic osteomyelitis in children. clinical correlates of newer methods. (ab). *Radiology* 1986; 158: 575
- Farlow MR See Edwards MK
- Farlow MR See Kuharik MA
- Farlow MR See Stevens JC
- Farman J See Chao PW
- Farman J See Dunn EK
- Farman J See Klein J
- Farman J; Chen C-K; Schultz G; et al: solid and papillary epithelial pancreatic neoplasms: unusual tumor. *Gastrointest Radiol* 1987; 12: 31
- Farman J; Javors B; Chao P; et al: CT demonstration of giant choledochal cysts in adults. *JCAT* 1987; 11: 771
- Farman J; Tavitt A; Rosenthal LE; et al: focal esophageal candidiasis in acquired immunodeficiency syndrome (AIDS). *Gastrointest Radiol* 1986; 11: 213
- Farmer DW See Bouchard A
- Farmer F See Sands SF
- Farmer RG See Ruderman WB
- Farmlett EJ See White RJ Jr
- Farmlett EJ; Fishman EK; Magid D; et al: computed tomography in the assessment of myonecrosis. *J Canad Assoc Radiol* 1987; 38: 279
- Farmlett EJ; Magid D; Fishman EK: osteosarcoma of the tibia: CT demonstration. *JCAT* 1986; 10: 1068
- Farner RM See Kimball DA
- Farner RM; Rooholamini SA; Franken EA Jr: general case of the day: annual meeting, 1986. *Radiographics* 1987; 7: 1018
- Farum GD See Moreno AJ
- Faroux MJ See Fornage BD
- Faroux R See Bretagne J-F
- Farrell EE See Birnholz JC
- Farrell K See Cabral DA
- Farthing DG See Dixon GD
- Farzaneh F See Bobman SA
- Farzaneh F See Riederer SJ
- Farzaneh F; Riederer SJ; Djang WT; Curnes JT; Herfkens RJ: efficient pulse sequence for multislice dual-repetition time MR image acquisition. *Radiology* 1988; 167: 541
- Fasanelli S; Colajacomo M; Gugliantini P; et al: case of a thoracic vertebral body dislocation without neurological signs in a child with neurofibromatosis. *Pediatr Radiol* 1986; 16: 262
- Fass D; Steinfeld A; Brown J; et al: radiotherapeutic prophylaxis of estrogen-induced gynecomasia: study of late sequelae. *Int J Radiat Oncol Biol Phys* 1986; 12: 407
- Fataar S: initial detection of gastrointestinal disease during routine real-time, abdominal ultrasound in adults. *Australas Radiol* 1987; 31: 164
- Fataar S; Cadogan E; Spruyt O: ultrasonography of hepatic venous gas due to diverticulitis. *Br J Radiol* 1986; 59: 183
- Fatani JA See Hawas ND
- Fatmi MBE See Spiegel RJ
- Fatouros PF See Kraft KA
- Fatouros PF See Montour JL
- Fatouros PF See Skubic SE
- Fatouros PF; Wist AO; Kishore PRS; et al: xenon/computed tomography cerebral blood flow measurements: methods and accuracy. *Invest Radiol* 1987; 22: 705
- Fauchon F See Chiras J
- Fauchon F; Chiras J; Poisson M; et al: chimiothérapie intra-arterielle par le cisplatine et la cytarabine après rupture temporaire de la barrière hémato-encéphalique dans le traitement des gliomes malins de l'adulte (intra-arterial chemotherapy by cisplatin and cytarabine after temporary disruption of the blood-brain barrier). *J Neurosurg* 1986; 13: 151
- Fauci AS See Leavitt RY
- Faul DD See Dixon WT
- Faulk RM See Mehr SH
- Faulkner K; Gordon MDH; Miller J: detailed study of radiation dose and radiographic technique during chest radiography. *Br J Radiol* 1986; 59: 245
- Faulkner K; Love HG; Sweeney JK; et al: radiation doses and somatic risk to patients during cardiac radiological procedures. *Br J Radiol* 1986; 59: 359
- Faulkner K; Moores BM: radiation dose and somatic risk from computed tomography. *Acta Radiol* 1987; 28: 483
- Faulkner LE See Leith JT
- Faure C See Schmit P
- Faust JM See Campeau RJ
- Faust JM See Varma DGK
- Austin D; Chen PC; Pose M: intrauterine pregnancy following conservative treatment of cervical pregnancy. *J Ultrasound Med* 1987; 6: 467
- Faustino PJ See Lyon RC
- Favez G See Crausaz FM
- Favril A See Wilms GE
- Favril AA See Marchal GJF
- Fawcett HD See Ahmad M
- Fawcett HD See Hayden CK Jr
- Fawcett HD See Kumar R
- Fawcett HD See Sayle BA
- Fawcett HD See Swischuk LE
- Fawcett HD See Winsett MZ
- Fawcett HD; Hayden CK Jr; Adams JC; et al: how useful is gastroesophageal reflux scintigraphy in suspected childhood aspiration? *Pediatr Radiol* 1988; 18: 311
- Fawcett HD; Hayden CK Jr; Swischuk LE; et al: spontaneous extrahepatic biliary duct perforation in infancy. *J Canad Assoc Radiol* 1986; 37: 206
- Fawcett HD; Winsett MZ; Yudit WM; et al: hyperthyroidism and the single lobe. *Clin Nucl Med* 1987; 12: 57

- Fawdry RM; Gruenewald SM:** initial experience with Technegas—a new ventilation agent, *Australas Radiol* 1988; 33: 232
- Fawdry RM; Gruenewald SM:** three-hour volume of distribution method: accurate simplified method of glomerular filtration rate measurement, *J Nucl Med* 1987; 28: 510
- Fawer CL; Diebold P; Calame A:** periventricular leucomalacia and neurodevelopmental outcome in preterm infants, (ab), *Radiology* 1988; 167: 592
- Fay JJ See Manco LG**
- Fayos JV See Ahmad K**
- Fazekas F; Chawluk JB; Alavi A; et al:** MR signal abnormalities at 1.5 T in Alzheimer's dementia and normal aging, *AJNR* 1987; 8: 421
- Fazekas J; Fajak TF; Wasserman T; et al:** failure of misonidazole-sensitized radiotherapy to impact upon outcome among stage III-IV squamous cancers of the head and neck, *Int J Radiat Oncol Biol Phys* 1987; 13: 1155
- Fazio F See Trulutz F**
- Fazzalari NL; Goldblatt E; Adams APS:** composite three-dimensional echocardiographic technique for left ventricular volume estimation in children: comparison with angiography and established echographic methods, *JCU* 1986; 14: 663
- Fazzi P See Solfanelli S**
- Fazzini E See Kramer EL**
- Fazzio F See Quinn SF**
- Fearon T See Selikson M**
- Fearon T; Vucich JJ:** normalized pediatric organ-absorbed doses from CT examinations, *AJR* 1987; 148: 171
- Fearon T; Vucich JJ; Butler P; et al:** scoliosis examinations: organ dose and image quality with rare-earth screen-film systems, *AJR* 1988; 150: 359
- Fearon T; Vucich JJ; Hoe J; et al:** comparative evaluation of rare-earth screen-film systems: system speed, contrast, sensitometry, RMS noise, square-wave response function, and contrast-detail analysis, *Invest Radiol* 1986; 21: 654
- Fearon T; Vucich JJ; McSweeney WJ; et al:** comparative evaluation of rare earth screen-film systems: free-response operating characteristic analysis and anatomic criteria analysis, *Invest Radiol* 1986; 21: 734
- Feaster SH See Cuttino JT Jr**
- Feaster SH; Kinard RE; Yancey JM; et al:** spermatic granuloma complicating abdominopelvic resection of the rectum: diagnosis by CT, MR imaging, and percutaneous biopsy, *AJR* 1987; 149: 529
- Featherstone T See Scott RF**
- Fechner KP See Meyer CR**
- Fechner KP See Quint LE**
- Fechner RE See de Lange EE**
- Fechner RE See Frierson HF Jr**
- Fechner RE See Pope TL Jr**
- Feczko PJ See Kastan DJ**
- Feczko PJ See Monsein LH**
- Feczko PJ:** intestinal and extraintestinal complications of inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 145
- Feczko PJ:** malignancy complicating inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 157
- Feczko PJ; Ackerman LV; Kastan DJ; et al:** digital radiography of the gastrointestinal tract, *Gastrointest Radiol* 1988; 13: 191
- Feczko PJ; Halpert RD:** limiting overhead views in double-contrast colon examinations does not affect diagnostic accuracy, *Gastrointest Radiol* 1987; 12: 175
- Feczko PJ; Halpert RD:** reassessing the role of radiology in Hemocult screening, *AJR* 1986; 146: 697
- Feczko PJ; Nish AD; Craig BM; et al:** acute diverticulitis in patients under 40 years of age: radiologic diagnosis, *AJR* 1988; 150: 1311
- Feder HM; Cates KL; Cementina AM:** Pott puffy tumor: a serious occult infection, (ab), *Radiology* 1987; 165: 591
- Federle MP See Barakos JA**
- Federle MP See Carroll CL**
- Federle MP See Dolmatch BL**
- Federle MP See Emery CD**
- Federle MP See Jeffrey RB Jr**
- Federle MP See Mee SL**
- Federle MP See Nyberg DA**
- Federle MP See Vernachia FS**
- Federle MP See Vydareny KH**
- Federle MP:** radiologist looks at AIDS: imaging evaluation based on symptom complexes, *Radiology* 1988; 166: 553
- Federle MP; Brown TR; McAninch JW:** penetrating renal trauma: CT evaluation, *JCAT* 1987; 11: 1026
- Federle MP; Griffiths B; Minagi H; Jeffrey RB Jr:** splenic trauma: evaluation with CT, *Radiology* 1987; 162: 69
- Federle MP; Mark AS; Guillaumin ES:** CT of subpulmonic pleural effusions and atelectasis: criteria for differentiation from subphrenic fluid, *AJR* 1986; 146: 685
- Fedio P See Miller DL**
- Fedorcsak I See Nilsson R**
- Fedullo AJ See Swinburne AJ**
- Fedullo LM; Meranze SG; McLean GK; et al:** embolization of a subclavian artery aneurysm with steel coils and thrombin, *Cardiovasc Intervent Radiol* 1987; 10: 134
- Fedullo PF See Ryan KL**
- Feduska N See Hricak H**
- Fedyshin PJ See Halvorsen RA Jr**
- Feeley TW See Halperin BD**
- Fehn J See Arakawa M**
- Fei D-Y See Rittgers SE**
- Fei DY See Shung KK**
- Fei D-Y; Billian C; Rittgers SE:** flow dynamics in a stenosed carotid bifurcation model—part I: basic velocity measurements, *Ultrasound Med Biol* 1988; 14: 21
- Feichtinger H See Janetschek G**
- Feig E:** localized magnetic resonance imaging with oscillating gradients, *Magn Res Med* 1987; 4: 48
- Feig S See Boechat MI**
- Feig SA See Davis PS**
- Feig SA See Galkin BM**
- Feig SA See Miller CL**
- Feig SA See Rosenberg AL**
- Feig SA See Schwartz GF**
- Feig SA:** decreased breast cancer mortality through mammographic screening: results of clinical trials, *Radiology* 1988; 167: 659
- Feig SA:** importance of supplementary mammographic views to diagnostic accuracy, *AJR* 1988; 151: 40
- Feig SA:** mammography equipment: principles, features, selection, *Radiol Clin North Am* 1987; 25: 897
- Feige A See Rempen A**
- Feigen M; Crocker EF; Reid J; et al:** value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions, (ab), *Radiology* 1988; 167: 294
- Feigenbaum H See Petrovic O**
- Feigenbaum H See Presti FC**
- Feigin DS:** nodocarditis of the lung: chest radiographic findings in 21 cases, *Radiology* 1986; 159: 9
- Feigin DS:** ulcer understanding its manifestations in the chest, *AJR* 1986; 146: 295
- Feigin DS:** vasculitis in the lung, *J Thorac Imag* 1988; 3: 1: 33
- Feigin DS; Padua EM:** mediastinal masses: system for diagnosis based on computed tomography, *CT* 1986; 10: 11
- Feigl A See Feigl D**
- Feigl D; Feigl A; Edwards JE:** mycotic aneurysms of the aortic root: a pathologic study of 20 cases, (ab), *Radiology* 1987; 164: 293
- Feiglin DH See Modic MT**
- Fein AB; Lee JKT; Balfe DM; et al:** diagnosis and staging of renal cell carcinoma: a comparison of MR imaging and CT, *AJR* 1987; 148: 749
- Fein AB; Rauch RF II; Bowie JD; et al:** value of sonographic screening for gallstones in patients with chest pain and normal coronary arteries, *AJR* 1986; 146: 337
- Fein V See Hann LE**
- Feinberg AW See Naidich JB**
- Feinberg DA See Mark AS**
- Feinberg DA; Crooks LE; Hoenninger JC; Watts JC; Arakawa M; Chang H; Kaufman L:** contiguous thin multislice MR imaging by two-dimensional Fourier transform techniques, *Radiology* 1986; 158: 811
- Feinberg DA; Hale JD; Watts JC; Kaufman L; Mark AS:** halving MR imaging time by conjugation: demonstration at 3.5 kG, *Radiology* 1986; 161: 527
- Feinberg DA; Mark AS:** human brain motion and cerebrospinal fluid circulation demonstrated with MR velocity imaging, *Radiology* 1987; 163: 793
- Feinberg LE See Zeligman BE**
- Feinberg SB See Crass JR**
- Feinberg SB See Letourneau JC**
- Feinberg WM; Swenson MR:** cerebrovascular complications of L-asparaginase therapy, (ab), *Radiology* 1988; 169: 294
- Feinendegen LE See Krahwinkel W**
- Feinendegen LE; Herzog H; Wieler H; et al:** glucose transport and utilization in the human brain: model using carbon-11 methylglucose and positron emission tomography, *J Nucl Med* 1986; 27: 1867
- Feingold M; Scollins J; Cetrulo CL; et al:** fetal lung to liver reflectivity ratio and lung maturity, *JCU* 1987; 15: 384
- Feinstein KA See Fernbach SK**
- Feinstein KA; Fernbach SK:** septated urinomas in the neonate, *AJR* 1987; 149: 997
- Feinstein SB See Keller MW**
- Feinsud M See Front D**
- Feiring AJ See Rees MR**
- Feivel M See Garniak A**
- Feigin M See Jaffe R**
- Feld LG See Lerner A**
- Feld R See Poon PY**
- Feldberg D; Goldman JA; Ashkenazi J; et al:** transvaginal oocyte retrieval controlled by vaginal probe for in vitro fertilization: a comparative study, *J Ultrasound Med* 1988; 7: 339
- Feldberg MAM See Mali WTM**
- Feldberg MAM See Meyers MA**
- Feldberg MAM See Puijlaert CBAJ**
- Feldberg MAM See van Waas PFGM**
- Feldberg MAM; Driessen LP; Witkamp TD; et al:** xanthogranulomatous pyelonephritis: comparison of extent using computed tomography and magnetic resonance imaging in one case, *Urol Radiol* 1988; 10: 92
- Feldberg MAM; Hendriks MJ; Klinkhamer AC:** massive bilateral non-Hodgkin's lymphomas of the adrenals, *Urol Radiol* 1986; 8: 85
- Feldberg MAM; Hendriks MJ; van Waas PFGM; et al:** pancreatic lesions and trans fascial perineal spread: computed tomographic demonstration, *Gastrointest Radiol* 1987; 12: 121
- Feldberg MAM; van Waas PFGM:** computed tomography of pseudocysts in retroperitoneal fibrosis, *JCAT* 1987; 11: 485
- Feldman BS See Kelsey CA**
- Feldman F See Nickoloff EL**
- Feldman F See Rosenberg ZS**
- Feldman F See Singson RD**
- Feldman F:** radiology of total shoulder prostheses, *Semin Roentgenol* 1986; 21: 47
- Feldman F; Singson RD; Rosenberg ZS; Berdon WE; Amodio J; Abramson SJ:** distal tibial triplane fractures: diagnosis with CT, *Radiology* 1987; 164: 429
- Feldman JM See Halvorsen RA Jr**
- Feldman JM; Blinder RA; Lucas KJ; et al:** iodine-131 metaiodobenzylguanidine scintigraphy of carcinoid tumors, *J Nucl Med* 1986; 27: 1691
- Feldman L See Venta LA**
- Feldman L; Venta L:** percutaneous cholecystostomy of an ectopic gallbladder, *Gastrointest Radiol* 1988; 13: 256
- Feldman M See Smith HJ**
- Feldman N; Heyman S:** bone scintigraphy in a patient with cerebro-cotomandibular syndrome, *Clin Nucl Med* 1987; 12: 68
- Feldman N; Makler PT Jr; Alavi A:** false-positive indium-111 labeled leukocyte scintigram in a patient with a painful hip prosthesis, *Clin Nucl Med* 1986; 11: 38
- Feldman N; Makler PT Jr; Velchik MG:** visualization of the uterus on evaluation of transplanted kidneys, *Clin Nucl Med* 1986; 11: 62
- Feldman P See Sisto A**
- Feldman PS See Black WC**
- Feldman PS See Calhoun P**
- Feldmeier JE See Tolly TL**
- Feldmeier JJ See Chou JL**
- Felleppa J; Luzzi FL; Coleman DJ; et al:** diagnostic spectrum analysis in ophthalmology: physical perspective, *Ultrasound Med Biol* 1986; 12: 623
- Felits AL; Rottenberg DA:** synthesis and evaluation of fluorine-18 2-fluoroprednisone as a potential ligand for neuro-PET studies, *J Nucl Med* 1987; 28: 998
- Felix R See Hamm B**
- Felix R See Schörner W**
- Felker R See Scott RL**
- Fellingham I See Bhasin S**
- Fellingham I See Lambase R**
- Fellmeth B See Sandler MP**
- Fellmeth BD; Sandler MP; Thieme GA; et al:** noninvasive evaluation of neonatal aortic thrombosis secondary to umbilical artery catheterization, *AJR* 1986; 146: 619
- Fellows KE See Hoffer FA**
- Fellows KE See Kandarpa K**
- Fellows KE See Lange PE**
- Fellows KE See Nancarrow PA**
- Fellows KE See Stoll JP**
- Felmlie JP See Ehman RL**
- Felmlie JP See Gray JE**
- Felmlie JP See Jack CR Jr**
- Felmlie JP See Reading CC**
- Felmlie JP See Stears JG**
- Felmlie JP; Ehman RL:** spatial presaturation: a method for suppressing flow artifacts and improving depiction of vascular anatomy in MR imaging, *Radiology* 1987; 164: 559
- Felsenberg GJ See Bennett M**
- Felsenberg D See Hamm B**
- Felsenberg D See Kalender WA**
- Felson B See Gross BH**
- Felson B:** armchair research and the practicing radiologist, *AJR* 1986; 147: 881
- Felson B:** lung torsion: radiographic findings in nine cases, *Radiology* 1987; 162: 631
- Felson B:** scimitar syndrome: four new cases examined with CT, *Radiology* 1987; 162: 581
- Felson DT; Naimark A; Anderson J; et al:** prevalence of knee osteoarthritis in the elderly: the Framingham Osteoarthritis Study, (ab), *Radiology* 1988; 167: 590

- Fencil LE; Doi K; Hoffman KR: accurate analysis of blood vessel sizes and stenotic lesions using stereoscopic DSA system, *Invest Radiol* 1988; 23: 33
- Fendel H See Balci P
- Fendel H See Schneider K
- Fender B See Rees MR
- Fenech A See Crea F
- Feneley MF See Rankin JS
- Feng H See Dumoulin CL
- Feng T-T See Chau W-K
- Feng Y See Vanuytsel L
- Fennessy JJ: irradiation damage to the lung, *J Thorac Imag* 1987; 2: 68
- Fenoglio-Preiser C See Davis M
- Fenoglio-Preiser C See Halliday KR
- Fenster A See Cunningham IA
- Fennes A See Varga J
- Fenzl G See Heywang SH
- Feola JM See Maruyama Y
- Feola JM; Maruyama Y; Pattarasumunt A; et al: C57-25 leukemogenesis in the C57BL mouse, *Int J Radiat Oncol Biol Phys* 1987; 13: 69
- Ferbert A See Bruckmann H
- Ferentzi C See Cumming WA
- Fereshtian A See Kaufman JL
- Ferguson C See Slomic AM
- Ferguson DD See Walker JM
- Ferguson MK See Little AG
- Ferguson MK; Lee E; Skinner DB; et al: selective operative approach for diagnosis and treatment of anterior mediastinal masses, (ab), *Radiology* 1988; 167: 883
- Ferguson WR See Gilchrist AM
- Fernand M; Reizine D; Melki JP; et al: long term follow-up of 43 pure dural arteriovenous fistulae (AVF) of the lateral sinus, *Neuroradiol* 1987; 29: 348
- Ferné C See Frijia J
- Fernmont DC See Makepeace AR
- Fernald GW; Boat TF: cystic fibrosis: overview, *Semin Roentgenol* 1987; 22: 87
- Fernandes BJ; Amato D; Goldfinger M: diffuse lymphomatous polyposis of the gastrointestinal tract: case report with immunohistochemical studies, (ab), *Radiology* 1986; 158: 568
- Fernandez H; Rainhorn JD; Papiernik E; et al: spontaneous resolution of ectopic pregnancy, (ab), *Radiology* 1988; 168: 293
- Fernandez J See Steiner RM
- Fernandez LA See Ramos I
- Fernandez S See Zillanti M
- Fernandez-Alvarez E See Campistol J
- Fernandez-Ulloa M See Black RR
- Fernbach SK See Feinstein KA
- Fernbach SK See Glass RB
- Fernbach SK See Schlesinger AE
- Fernbach SK; Conway JJ: evolving urographic evaluation of the lower urinary tract in neonates with myelomeningocele, *Urol Radiol* 1987; 9: 141
- Fernbach SK; Donaldson JS; Gonzalez-Crussi F; et al: fatty Wilms' tumor simulating teratoma: occurrence in a child with horseshoe kidney, *Pediatr Radiol* 1988; 18: 424
- Fernbach SK; Feinstein KA; Donaldson JS; Baum ES: nephroblastomatosis: comparison of CT with US and urography, *Radiology* 1988; 166: 153
- Fernbach SK; Glass RB: expanded spectrum of limb anomalies in the WATER association, *Pediatr Radiol* 1988; 18: 215
- Fernbach SK; Glass RB: urographic manifestations of Burkitt's lymphoma in children, (ab), *Radiology* 1986; 161: 576
- Fernbach SK; Holland EA: undiversion of the urinary tract: the pre- and postoperative evaluation, *Radiographics* 1988; 8: 213
- Fernbach SK; Tucker GF: coin ingestion: unusual appearance of the penny in a child, *Radiology* 1986; 158: 512
- Ferrara JLM See Macklis RM
- Ferrara N; Zarr A; Vigorito C; et al: combined contrast echocardiographic and hemodynamic evaluation of atrial septal defect associated with persistent left superior vena cava and partial anomalous pulmonary venous connection, *JCU* 1987; 15: 64
- Ferrari F See Solbiati L
- Ferrari LA See Aufrecht D
- Ferrari F See Balci P
- Ferraris AM See Gaetani SA
- Ferraris AM; Alfieri FR; Lee M; et al: hepatic amyloidosis in an IV drug abuser detected by bone scintigraphy, *Clin Nucl Med* 1987; 12: 274
- Ferraro EM; Fakhry J; Arany JE; et al: prenatal adrenal neuroblastoma: case report with review of the literature, *J Ultrasound Med* 1988; 7: 275
- Ferraro EM; Klein SA; Fakhry J; et al: hypercalcemia in association with mesoblastic nephroma: report of a case and review of the literature, *Pediatr Radiol* 1986; 16: 516
- Ferrazzi E See Todros T
- Ferrazzi E; Nicolini U; Kustermann A; et al: routine obstetric ultrasound: effectiveness of cross-sectional screening for fetal growth retardation, *JCU* 1986; 14: 17
- Ferrill WR See Curtis PB
- Ferrington C See Nighi A
- Ferris EJ See Liu G-C
- Ferris EJ See McCowan TC
- Ferris EJ; Harmon BH; Becker GJ; Edelstein BS; Osborn AG; Pfister RC; Tonkin LD: image interpretation session, *Radiographics* 1988; 8: 1001
- Ferris JV; Ziesman HA: technetium-99m MDP imaging of acute radiation-induced inflammation, *Clin Nucl Med* 1988; 13: 430
- Ferrucci JT See Saini S
- Ferrucci JT See Silverman SG
- Ferrucci JT See Stark DD
- Ferrucci JT See Tsang Y-M
- Ferrucci JT See Weissleder R
- Ferrucci JT; gallstone ESWL—the first 175 patients, *AJR* 1988; 150: 1231
- Ferrucci JT; gallstone lithotripsy: a preview, *Radiology* 1988; 168: 333
- Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ: advances in hepatobiliary radiology, *Radiology* 1988; 168: 319
- Ferrucci JT Jr See Bousquet J-C
- Ferrucci JT Jr See Brown AS
- Ferrucci JT Jr See Butch RJ
- Ferrucci JT Jr See Edelman RR
- Ferrucci JT Jr See Ellizondo G
- Ferrucci JT Jr See Hahn FF
- Ferrucci JT Jr See Mueller PR
- Ferrucci JT Jr See Papanicolaou N
- Ferrucci JT Jr See Saini S
- Ferrucci JT Jr See Stark DD
- Ferrucci JT Jr See Steiner E
- Ferrucci JT Jr See White EM
- Ferrucci JT Jr: biliary lithotripsy: what will the issues be?, *AJR* 1987; 149: 227
- Ferrucci JT Jr: MR imaging of the liver, *AJR* 1986; 147: 1103
- Ferruci L See Pini R
- Ferry M; Cahani E; Conard G; et al: stereotactic biopsy of the brain with the Leksell frame in the context of modern radiology, *J Neuroradiol* 1988; 15: 63
- Ferz R See Bradac GB
- Fertil B See Malaise EP
- Fessenden P See Kapp DS
- Fessenden P See Samulski TV
- Festi D See Livraghi T
- Fetters DV See Alexieva-Jackson B
- Fetters DV See Mackey JK
- Fetz RC See Thompson JR
- Feuerstein IM See Aberle DR
- Feuerstein IM; Harbert JC: hypertrophied thyroid tissue in a thyroglossal duct remnant, *Clin Nucl Med* 1986; 11: 133
- Feuerstein IM; Margulis AR: barium filling for glucagon-resistant spasm, *Radiology* 1987; 164: 876
- Feuerstein IM; Margulis AR: semirect computed tomography of the abdomen using the Imatron ultrafast CT scanner, *JCAT* 1987; 11: 1107
- Fevry JM See Rigouts HD
- Fewins HE; Whitehouse GH; Leinster SJ: spontaneous disappearance of breast calcification, *Clin Radiol* 1988; 39: 257
- Fiandaca MS See Spector RH
- Fiastor JF; Newell JD: quantitative computed tomography evaluation of benign solitary pulmonary nodules, *CT* 1987; 11: 103
- Fibis TF See Torres WE
- Fico P See Giorgio A
- Fidas A; MacDonald HL; Elton RA; et al: prevalence and patterns of spina bifida occulta in 2707 normal adults, *Clin Radiol* 1987; 38: 537
- Fidas A; Mackinlay JY; Wild SR; et al: ultrasound as an alternative to intravenous urography in prostatism, *Clin Radiol* 1987; 38: 479
- Fiddian-Green RG; Siviski PR; Karol SV: median hepatotomy using ultrasonic dissection for complex hepatobiliary problems, (ab), *Radiology* 1988; 169: 880
- Fiedler BS; De Smet AA; Kling TF Jr; et al: foot deformity in hereditary onychodysplasia, *J Canad Assoc Radiol* 1987; 38: 305
- Fiel RJ See Button TM
- Fiel RJ; Button TM; Gilani S; et al: proton relaxation enhancement by manganese(III)TPPS, in a model tumor system, *Magn Res Imag* 1987; 5: 149
- Fiel SB See Friedman AC
- Fiel SB See Rindsberg S
- Fiel SB; Friedman AC; Caroline DF; et al: magnetic resonance imaging in young adults with cystic fibrosis, (ab), *Radiology* 1987; 164: 882
- Field DR See Brody AS
- Field J See Brooks WM
- Field J See Irving MG
- Field J See Haseler LJ
- Field S See Keeling FP
- Fielding JA: ultrasound imaging of the eye through the closed lid using a non-dedicated scanner, *Clin Radiol* 1987; 38: 131
- Fields JN; Emami B: carcinoma of the extrahepatic biliary system—results of primary and adjuvant radiotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 331
- Fields JN; Fulling KH; Thomas PRM; Marks JE: supracellar germinoma: radiation therapy, *Radiology* 1987; 164: 247
- Fields S See Cohen D
- Fields S See Libson E
- Fields SI See Libson E
- Fields SI; Haskell L; Libson E: CT appearance of giant colonic diverticulum, *Gastrointest Radiol* 1987; 12: 71
- Fields SI; Katz S; Beyth Y: computed tomography of unilateral hemiatroclips, *JCAT* 1988; 12: 530
- Fields WS See Ben-Menachem Y
- Fields WS; Lemak NA; Ben-Menachem Y: thoracic outlet syndrome: review and reference to stroke in a major league pitcher, *AJNR* 1986; 7: 73
- Fierro MF See Messner JM
- Fieschi C See Iannotti F
- Flessinger JN See Pernes JM
- Flessinger J-N; Vitoux J-F; Pernes J-M; et al: complications of intraarterial urokinase-lyso-plasminogen infusion therapy in arterial ischemia of lower limbs, *AJR* 1986; 146: 157
- Figley MM; Margulis AR: impact of new imaging technology on health care, research, and teaching: an international symposium, *AJR* 1987; 149: 1111
- Figoli F See Veronesi A
- Fike JR See Turowaki K
- Fike JR; Cann CE; Turowaki K; et al: contrast enhancement of brain tumors and irradiated normal brain: comparison of iohexol and iohalamate, *Neuroradiol* 1986; 28: 61
- Fike JR; Cann CE; Turowaki K: radiation dose response of normal brain, *Int J Radiat Oncol Biol Phys* 1988; 14: 63
- Filderman AE; Shaw C; Matthay RA: lung cancer: part II: staging and therapy, *Invest Radiol* 1986; 21: 173
- Filderman AE; Shaw C; Matthay RA: lung cancer: part I: etiology, pathology, natural history, manifestations, and diagnostic techniques, *Invest Radiol* 1986; 21: 80
- Fileni A See Mirk P
- Filho DLD See Nyberg DA
- Filiatroul D See Duprat G Jr
- Filiatroul D See Grignon A
- Filiatroul D; Hoyoux C; Benoit F; et al: renal metastases from neuroblastoma: report of two cases, *Pediatr Radiol* 1987; 17: 137
- Filiatroul D; Longpre D; Patriquin H; et al: investigation of childhood blunt abdominal trauma: a practical approach using ultrasound as the initial diagnostic modality, *Pediatr Radiol* 1987; 17: 373
- Filiatroul D; Perreault G; LaBerge JM; et al: CT localization of an aldosteronoma in a 10-year-old boy, *Pediatr Radiol* 1986; 16: 85
- Filion R See Grignon A
- Filipczynski I: absorption of longitudinal and shear waves and generation of heat in soft tissues, *Ultrasound Med Biol* 1986; 12: 223
- Filipovich AH See Day DL
- Fili H See Fuhli P
- Filly RA See Cardoso JD
- Filly RA See de Araujo LML
- Filly RA See Goldstein RB
- Filly RA See Hashimoto BE
- Filly RA See Hoddick WK
- Filly RA See Hricak H
- Filly RA See Kleiner B
- Filly RA See Kurtz AB
- Filly RA See Linkowski GD
- Filly RA See McCarthy SM
- Filly RA See Merritt CRB
- Filly RA See Nyberg DA
- Filly RA See Ruvolo KA
- Filly RA See Siedler DE
- Filly RA See Thurnher S
- Filly RA See Townsend RR
- Filly RA: appropriate use of ultrasound in early pregnancy, *Radiology* 1988; 166: 274
- Filly RA: ectopic pregnancy: role of sonography, *Radiology* 1987; 162: 661
- Filly RA: "lemon" sign: a clinical perspective, *Radiology* 1988; 167: 573
- Filly RA: ultrasound: the stethoscope of the future, *Alas, Radiology* 1988; 167: 400
- Filly RA; Laing FC; Nyberg DA: abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels: reply, *Radiology* 1986; 161: 854
- Filly RA; Simpson GF; Linkowski G: fetal spine morphology and maturation during the second trimester: sonographic evaluation, *J Ultrasound Med* 1987; 6: 631

Filosto

- Filosto L** See Pistolesi GF
Filson RG See Thoeni RF
Finck S; Milne ENC: case report of segmental bronchial atresia: radiologic evaluation including computed tomography and magnetic resonance imaging. *J Thorac Imag* 1988; 3-1: 53
Findlay P See Watkins EB
Findley A; Childress MH: computed tomography of thorotrastosis. *CT* 1987; 11: 188
Fine C See Bundy AL
Fine C; Adzick NS; Doubilet PM: decreasing size of a congenital cystic adenomatoid malformation in utero. *J Ultrasound Med* 1988; 7: 405
Fine EJ See Kim CK
Fine EJ See Zuckier LS
Fine EJ: parathyroid imaging: its current status and future role. *Semin Nucl Med* 1987; 17: 350
Fine EJ; Axelrod M; Gorkin J; et al: measurement of effective renal plasma flow: a comparison of methods. *J Nucl Med* 1987; 28: 1393
Fine G See Watt AC
Finelli L See Giorgio A
Fineman D See Palestro C
Finger PT See Bosworth JL
Finholt DA; Kettick RG; Wagner HR; et al: heart is under the lower third of the sternum. (ab). *Radiology* 1987; 163: 838
Finizio FS See Frank F
Fink J See Hill SC
Fink L See Corboy JR
Finkbeiner W See Aherne T
Finkbeiner WE See Webb WR
Fink-Bennett D See Bree KL
Fink-Bennett D See Morayati SJ
Fink-Bennett D; Carichner S: acute flexion of the elbow: optimal imaging position for visualization of the capitulum. *Clin Nucl Med* 1986; 11: 667
Fink-Bennett D; Johnson J: stippled ribs: potential pitfall in bone scan interpretation. *J Nucl Med* 1986; 27: 216
Finkel J; Chervu LR; Bernstein RG; et al: red blood cell labeling with technetium-99m: effect of radiopaque contrast agents. *Clin Nucl Med* 1988; 13: 166
Finkelstein J See Bettmann MA
Finkelstein J See Reagan K
Finkelstein JN See Rubin P
Finkelstein M See Mandell GA
Finkelstein MS See Harcke HT
Finkelstein MS; Rosenberg HK; Snyder HM III; et al: ultrasound evaluation of scrotum in pediatrics. (ab). *Radiology* 1986; 160: 575
Finlay D See Quinton DN
Finlay DBL See Annis JD
Finlay DBL See Blanshard KS
Finlayson B See Grantham JR
Finlayson B See Hunter PT
Finlayson B See Khan SR
Finley JP See Belcourt CL
Finna HA; Simon MA; Martin WB; et al: scintigraphy with gallium-67 citrate in staging of soft-tissue sarcomas of the extremity. (ab). *Radiology* 1988; 166: 294
Finn JP; Gibson RN; Dunn GD: duplex ultrasound in the evaluation of portacaval shunts. *Clin Radiol* 1987; 38: 87
Finn JP; Myers MJ; Nair KM; et al: clinical comparison of a new technetium 99m DTPA aerosol delivery system with krypton 81m. *Br J Radiol* 1986; 59: 19
Finn M See Lorino CO
Finn MC See Lecklitter ML
Finn T See Isaacson PG
Finnanger AM See Stiris MG
Finnegan MF; Tisnado J; Berzirdjian DR; et al: transcatheter embolotherapy of massive bleeding after surgery for benign gynecologic disorders. *J Canad Assoc Radiol* 1988; 39: 172
Finney HL See Graves VB
Finney R See Quinn SF
Finnie M; Fullerton GD; Cameron IL: molecular masking and unmasking of the paramagnetic effect of iron on the proton spin-lattice (T_1) relaxation time in blood and blood clots. *Magn Res Imag* 1986; 4: 305
Finssen V; Anda S: accuracy of visually estimated bone mineralization in routine radiographs of the lower extremity. *Skeletal Radiol* 1988; 17: 270
Fiorentini G See Zappasodi F
Firmin DN See Bogren HG
Firmin DN See Klipstein RH
Firmin DN See Nayler GL
Firmin DN; Nayler GL; Klipstein RH; et al: in vivo validation of MR velocity imaging. *JCAT* 1987; 11: 751
Firnau G See Chirakal R
Firnau G; Sood S; Chirakal R; et al: metabolites of 6- 18 F-fluoro-L-dopa in human blood. *J Nucl Med* 1988; 29: 363
Firooznia H See Rafil M
Firooznia H; Golimbu C; Rafil M; et al: computed tomography of spinal chordomas. *CT* 1986; 10: 45
Firooznia H; Golimbu C; Rafil M; Schwartz MS: rate of spinal trabecular bone loss in normal perimenopausal women: CT measurement. *Radiology* 1986; 161: 735
Firooznia H; Kricheff II; Rafil M; Golimbu C: lumbar spine after surgery: examination with intravenous contrast-enhanced CT. *Radiology* 1987; 163: 221
Firooznia H; Rafil M; Golimbu C; Schwartz MS; Ort P: trabecular mineral content of the spine in women with hip fracture: CT measurement. *Radiology* 1986; 159: 737
Fischbach W See Becker W
Fischedick A-R; Peters PE; Kleinhans G; et al: preoperative renal tumor embolization: a useful procedure? *Acta Radiol* 1987; 28: 303
Fischer A See Garel L
Fischer AF; Parker BR; Stevenson DK: nephrolithiasis following in utero diuretic exposure: an unusual case. (ab). *Radiology* 1988; 169: 888
Fischer AH See Fishman MC
Fischer AQ; Aziz E: diagnosis of cerebral atrophy in infants by near-field cranial sonography. (ab). *Radiology* 1987; 163: 838
Fischer E: soft tissue changes of the wrist in rheumatoid arthritis: results of low kV radiography in three views. (ab). *Radiology* 1986; 159: 822
Fischer E: synovial and enthesitic reactions at the digits and wrist in sympathetic reflex dystrophy. (ab). *Radiology* 1986; 159: 822
Fischer EG See Wang A-M
Fischer H See Barfuss H
Fischer H See Bruder H
Fischer HW See Rinck PA
Fischer HW See Spataro RF
Fischer HW See Wagner LK
Fischer HW: anatomy: a regional atlas of the human body. 3d ed., *Radiology* 1988; 166: 642
Fischer HW: atlas of radiological anatomy. 2d ed., *Radiology* 1988; 166: 632
Fischer HW: catalog of intravascular contrast media. *Radiology* 1986; 159: 561
Fischer HW: danger ahead? *Radiology* 1988; 169: 267
Fischer HW: exposure of the pregnant patient to diagnostic radiations: guide to medical management. *Radiology* 1986; 160: 414
Fischer HW: incompatibilities between contrast media and pharmacologic agents. *Radiology* 1987; 162: 875
Fischer HW: notes on radiological diagnosis. 2d ed., *Radiology* 1986; 160: 90
Fischer HW; Walter B: Cannon. the life and times of a young scientist. *Radiology* 1987; 165: 670
Fischer HW; Morris TW: blood cell aggregates with low-osmolality and nonionic contrast media. *Radiology* 1987; 165: 583
Fischer HW; Morris TW: imaging research laboratory: rationale for sharing of equipment. *Invest Radiol* 1987; 22: 71
Fischer HW; Spataro RF; Rosenberg PM: medical and economic considerations in using a new contrast medium. (ab). *Radiology* 1987; 162: 592
Fischer JA See Fanconi S
Fischer JJ; Rockwell S; Martin DF: perfluorochemicals and hyperbaric oxygen in radiation therapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 95
Fischer N See Vorwerk D
Fischman AJ; Palmer EL; Scott JA: radionuclide imaging of sequential torsions of the appendix testis. *J Nucl Med* 1987; 28: 119
Fish GD See Stanley JH
Fish GD; Stanley JH; Miller KS; et al: postbiopsy pneumothorax: estimating the risk by chest radiography and pulmonary function tests. *AJR* 1988; 150: 71
Fish MB See Walker JV
Fishell EK See Kaizer L
Fisher B; Saffer EA; Deutsch M: influence of irradiation of a primary tumor on the labeling index and estrogen receptor index in a distant tumor focus. *Int J Radiat Oncol Biol Phys* 1986; 12: 879
Fisher DA See Bunnell DH
Fisher HD See Seeley GW
Fisher J See Goldberg HL
Fisher J See Vaqueiro M
Fisher LD See Myers WO
Fisher LM See Griffin GK
Fisher M See Fallis RJ
Fisher M See Phillips DA
Fisher MC See Eary JF
Fisher MC; Gaine MA; Capitanio MA: atypical radionuclide scan appearance in cellulitis due to group A streptococcus. *Clin Nucl Med* 1988; 13: 359
Fisher ME See Haughton VM
Fisher MF: atlas of normal skeletal scintigraphy. *Radiology* 1986; 161: 190
Fisher MF: geriatric nuclear medicine. *Radiology* 1986; 158: 62
Fisher MF: nuclear medicine in clinical urology and nephrology. *Radiology* 1986; 159: 736
Fisher MR See Didier D
Fisher MR See Dooms GC
Fisher MR See Glass RB
Fisher MR See Higgins CB
Fisher MR See Hricak H
Fisher MR See Kersting-Sommerhoff BA
Fisher MR See McCarthy SM
Fisher MR See Peck WW
Fisher MR See von Schulthess GK
Fisher MR; Dooms GC; Hricak H; et al: magnetic resonance imaging of the normal and pathologic muscular system. *Magn Res Imag* 1986; 4: 491
Fisher MR; Higgins CB: central thrombi in pulmonary arterial hypertension detected by MR imaging. *Radiology* 1986; 158: 223
Fisher MR; McNamara MT; Higgins CB: acute myocardial infarction: MR evaluation in 29 patients. *AJR* 1987; 148: 247
Fisher MS See Friedman AC
Fisher MS: hyoid bone elevation: sign of tracheal transection. *Radiology* 1986; 158: 564
Fisher RG; Ben-Menachem Y: interventional radiology in appendicular skeletal trauma. *Radiol Clin North Am* 1987; 25: 1203
Fisher RG; Ben-Menachem Y: penetrating injuries of the thoracic aorta and brachiocephalic arteries: angiographic findings in 18 cases. *AJR* 1987; 149: 607
Fisher RM; Cremin BJ: lipoma of the corpus callosum: diagnosis by ultrasound and magnetic resonance. *Pediatr Radiol* 1988; 18: 409
Fisher S See Brady LW
Fishman C See Kumar A
Fishman EK See Ashida C
Fishman EK See Brick SH
Fishman EK See Caskey CI
Fishman EK See Chaloupka JC
Fishman EK See Crist DW
Fishman EK See Dachman AH
Fishman EK See Davis MC
Fishman EK See Fakhri A
Fishman EK See Farnlett EJ
Fishman EK See Gatewood OMB
Fishman EK See Greenstein S
Fishman EK See Greyson-Fleg RT
Fishman EK See Hamper UM
Fishman EK See Jacobs CG
Fishman EK See Jones B
Fishman EK See Kuhlman JE
Fishman EK See McDonnell CH III
Fishman EK See Magid D
Fishman EK See Mandelbaum BR
Fishman EK See Marshall FF
Fishman EK See Merline DS
Fishman EK See Meziane MA
Fishman EK See Owen RS
Fishman EK See Pakter RL
Fishman EK See Powe NR
Fishman EK See Roberts JL
Fishman EK See Robertson DD
Fishman EK See Sarr MG
Fishman EK See Scatarige JC
Fishman EK See Schwartz AR
Fishman EK See Scott WW Jr
Fishman EK See Sheth S
Fishman EK See Siegelman SS
Fishman EK See Soulen MC
Fishman EK See Soulen RL
Fishman EK See Tipton A
Fishman EK See Yang N-C
Fishman EK See Yousem DM
Fishman EK See Zerhouni EA
Fishman EK; Deutch BM; Hartman DS; et al: primary adrenocortical carcinoma: CT evaluation with clinical correlation. *AJR* 1987; 148: 531
Fishman EK; Drebin RA; Hruban RH; et al: three-dimensional reconstruction of the human body. *AJR* 1988; 150: 1419
Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS: volumetric rendering techniques: applications for three-dimensional imaging of the hip. *Radiology* 1987; 163: 737
Fishman EK; Magid D; Mandelbaum BR; Scott WW Jr; Weiss P; Hadfield R; Mudge B; Kopits SE; Brooker AF Jr; Siegelman SS: multiphase (MPG) imaging of the hip. *Radiographics* 1986; 6: 7
Fishman EK; Magid D; Ney DR; et al: three-dimensional imaging and display of musculoskeletal anatomy. *JCAT* 1988; 12: 465
Fishman EK; Magid D; Robertson DD; Brooker AF Jr; Weiss P; Siegelman SS: metallic hip implants: CT with multiphase reconstruction. *Radiology* 1986; 160: 675
Fishman EK; Wolf EJ; Jones B; et al: CT evaluation of Crohn's disease: effect on patient management. *AJR* 1987; 148: 537
Fishman EK; Zinreich ES; Jacobs CG; Rostock RA; Siegelman SS: CT of the axilla: normal anatomy and pathology. *Radiographics* 1986; 6: 475

- Fishman M See Allen KS
 Fishman M See Boxer RA
 Fishman M See Rao VM
 Fishman MC; Fischer AH; Arger PH; et al: fatal diphenylhydantoin-induced hepatic necrosis: sonographic-pathologic correlation, *JCU* 1986; 14: 722
 Fishman MC; Naidich JB; Stein HL: vascular magnetic resonance imaging, *Radiol Clin North Am* 1986; 24: 485
 Fishman-Javitt MC; Lovocchio JL; Stein HL: imaging strategies for MRI of the pelvis, *Radiol Clin North Am* 1988; 26: 633
 Fitch N See Azouz EM
 Fitch SJ See Magill HL
 Fitch SJ See Pugh TF
 Fitch SJ See Tonkin IL
 Fitch SJ; Magill HL; Herrod HG; et al: hyperimmunoglobulinemia E syndrome: pulmonary considerations, *Pediatr Radiol* 1986; 16: 285
 Fitch SJ; Stapleton FB: ultrasonographic features of glomerulocystic disease in infancy: similarity to infantile polycystic kidney disease, *Pediatr Radiol* 1986; 16: 400
 Fitch SJ; Tonkin IL; Tonkin AK: imaging of foregut duplication cysts, *Radiographics* 1986; 6: 189
 Fitchew RS See Kearsley JH
 Fitchew RS See Poulsen MG
 Fitting DW See Meyer CR
 Fitz C See Johnson DL
 Fitz CR See Kingsley DPE
 Fitz CR See Taylor GA
 Fitz CR See Wechsler-Jentzsch K
 Fitz CR: disorders of ventricles and CSF spaces, *Semin US CT MR* 1988; 9: 216
 Fitz CR; Chuang CH; Harwood-Nash DC: computed tomography diagnosis of eye tumors and anomalies in early childhood and infancy, (ab), *Radiology* 1986; 158: 282
 Fitzgerald E See Clements R
 Fitzgerald E See Coblenz C
 Fitzgerald EJ See Colthoun EN
 Fitzgerald EJ; Blackett RL: 'inflammatory' abdominal aortic aneurysms, *Clin Radiol* 1988; 39: 247
 Fitzgerald EJ; Bowsher WG; Rutledge MST: false aneurysm of the femoral artery: computed tomographic and ultrasound appearances, *Clin Radiol* 1986; 37: 585
 Fitzgerald EJ; Coblenz C: fungal microabscesses in immuno-suppressed patients—CT appearances, *J Canad Assoc Radiol* 1988; 39: 10
 Fitzgerald EJ; Griffiths TM: computed tomography of vinyl-chloride-induced angiosarcoma of liver, *Br J Radiol* 1987; 60: 593
 Fitzgerald EJ; Toi A: antenatal ultrasound diagnosis of cystic adenomatoid malformation of the lung, *J Canad Assoc Radiol* 1986; 37: 48
 Fitzgerald P; O'Connell D: massive hypertrophy of the lingual tonsils: unusual cause of dysphagia, *Br J Radiol* 1987; 60: 505
 Fitzgerald R See Carter SR
 Fitzgerald RH See Magnuson JE
 Fitzgerald RH Jr See Merkel KD
 Fitzgerald SW; Donaldson JS; Poznanski AK: pediatric thoracic aorta: normal measurements determined with CT, *Radiology* 1987; 165: 667
 Fitzgerald T See Daly J
 Fitzgerald T: pycnodystosis with right heart failure due to hypoplastic mandible and chronic upper airway obstruction, *Br J Radiol* 1988; 61: 322
 FitzGerald TJ See Greenberger JS
 FitzGerald TJ See Wang A-M
 FitzGerald TJ; McKenna M; Kase K; et al: effect of x-irradiation dose rate on the clonogenic survival of human and experimental animal hematopoietic tumor cell lines: evidence for heterogeneity, *Int J Radiat Oncol Biol Phys* 1986; 12: 69
 FitzGerald-Finch OP See Mahendran M
 Fitzjohn TP; White FE; Loose HW; et al: computed tomography and sonography of cystic adventitial disease, *Br J Radiol* 1986; 59: 933
 Fitzmorris-Glass R See Martin JF
 Fitzpatrick DG See Scott IR
 Fitzpatrick JJ See Lichtenstein JE
 Fitzpatrick JM See Hamilton S
 Fitzpatrick JM See McNeal GR
 Fitzpatrick ML See Gooldeen AWG
 Fitzpatrick PJ See Eche BA
 Fitzpatrick PJ; Theriault C: malignant salivary gland tumors, *Int J Radiat Oncol Biol Phys* 1986; 12: 1743
 Fitzsimmons JR See Akins EW
 Fitzsimmons JR See Laurin S
 Fitzsimmons JR See Peterson H
 Fitzsimmons JR See Stone RM
 Fitzsimmons JR; Brooker HB; Beck B: transformer-coupled double-resonant probe for NMR imaging and spectroscopy, *Magn Res Med* 1987; 5: 471
 Fitzsimons PJ See Millward SF
 Fitzsimons PJ See Rubin G
 Fitzsimons PJ; Frost RA; Millward SF; et al: prenatal and immediate postnatal ultrasonographic diagnosis of ureteroceles, *J Canad Assoc Radiol* 1986; 37: 189
 Fitzsimons PJ; Shorvon P; Frost RA; et al: comparison of Golytely® and standard preparation for barium enema, *J Canad Assoc Radiol* 1987; 38: 109
 Fix I See Toonkel LM
 Fixsen JA See Brown AP
 Fjellidal A; Nordhaus T; Eriksson J: experiences with iohexol (Omnipaque) at urography, *Pediatr Radiol* 1987; 17: 491
 Flam M See John MJ
 Flam TA See Libertino JA
 Flamig D See Lenkinski RE
 Flamm MR: breast masses: US-guided fine-needle aspiration biopsy, *Radiology* 1987; 163: 831
 Flanagan LD See Peter DJ
 Flanagan M See Wells IF
 Flanagan RJ; Charleson FF; Synnes EI; et al: radiolabeling with organomercury compounds: part 2. high specific activity synthesis of iodine-125 and iodine-131-6-iodocholesterol-5-en-3 β -ol and its tissue distribution in rats, *J Nucl Med* 1986; 27: 1165
 Flanders AE See Henrikan GC
 Flanders AE; Espinosa GA; Markiewicz DA; et al: orbital lymphoma: role of CT and MRI, *Radiol Clin North Am* 1987; 25: 601
 Flandroy P; Lacour P; Marsault C; et al: intravascular treatment of a cavernous fistula caused by rupture of a traumatic carotid trigeminal aneurysm, *Neuroradiol* 1987; 29: 308
 Flannigan DP See Rutherford RB
 Flannigan JC See Heinrichs WL
 Flannigan BD See Lufkin RB
 Flannigan BD See Pusey E
 Flannigan BD See Walker HS
 Flannigan BD; Lufkin RB; McGrade C; et al: MR imaging of the cervical spine: neurovascular anatomy, *AJNR* 1987; 8: 27
 Flatau E See Garty I
 Flatley TJ See Silzofski WJ
 Flatman WD See Romanji J
 Flatman WD See Caplin JL
 Flax S See Taylor KJW
 Fleay RF: radiation dose reduction on a portable image intensifier digital storage unit, *Australas Radiol* 1987; 31: 88
 Flechner S See Boileau M
 Flechner SM See Hermall HP
 Flechner SM See Kim EE
 Fleckenstein JL; Canby RK; Parkey RW; et al: acute effects of exercise on MR imaging of skeletal muscle in normal volunteers, *AJR* 1988; 151: 231
 Fleckenstein JL; Schultz SM; Miller RH: serial aortography assesses stability of "atypical" aortic arch ruptures, *Cardiovasc Intervent Radiol* 1987; 10: 194
 Fleischer AC See Burks DD
 Fleischer AC See James AE Jr
 Fleischer AC See Magill HL
 Fleischer AC; Dudley BS; Entman SS; Baxter JW; Kalemieris GC; James AE Jr: myometrial invasion by endometrial carcinoma: sonographic assessment, *Radiology* 1987; 162: 307
 Fleischer AC; Kalemieris GC; Entman SS: sonographic depiction of the endometrium during normal cycles, *Ultrasound Med Biol* 1986; 12: 271
 Fleischer AC; Kalemieris GC; Machin JE; et al: sonographic depiction of normal and abnormal endometrium with histopathologic correlation, *J Ultrasound Med* 1986; 5: 445
 Fleischer AC; Kurtz AB; Wapner RJ; et al: elevated alpha-fetoprotein and a normal fetal sonogram: association with placental abnormalities, *AJR* 1988; 150: 881
 Fleischer AC; Mendelson EB; Böhm-Vélez M; et al: transvaginal and transabdominal sonography of the endometrium, *Semin US CT MR* 1988; 9: 81
 Fleischer D See Jaffe MH
 Fleischer DF See Zeman RK
 Fleischmann WR Jr See Stanton GJ
 Fleisher AG See Conti PS
 Fleisher AG; McElvaney G; Lawson L; et al: surgical management of spontaneous pneumothorax in patients with acquired immunodeficiency syndrome, (ab), *Radiology* 1988; 168: 587
 Fleming CA See Zimmermann RD
 Fleming DM See Rosen RR
 Fleming JC; Fysher TJ; Leonard JC: myocardial localization of technetium-99m MDP in an infant, *Clin Nucl Med* 1986; 11: 369
 Fleming JS See Goetting NLM
 Fleming JS See Waller DG
 Fleming MS; Numaguchi Y; Nadell JA; et al: tension pneumocephalus five years after intracranial resection of pituitary adenoma—a case report, *CT* 1988; 12: 86
 Fleming S See Mucci B
 Flemming BK See Campbell DR
 Flemming MC; Tyson IB; Tenorio LE: renal involvement first diagnosed by radionuclide bone imaging in a patient with lymphocytic lymphoma, *Clin Nucl Med* 1987; 12: 892
 Flendrig JA See Van Leendert RJM
 Fletcher BD See Morrison SC
 Fletcher BD; Dearborn DG; Mulpur GP: MR imaging in infants with airway obstruction: preliminary observations, *Radiology* 1986; 160: 245
 Fletcher BD; Jacobstein MD: MRI of congenital abnormalities of the great arteries, *AJR* 1986; 146: 941
 Fletcher BD; Jacobstein MD; Abramowsky CR; et al: right atrioventricular valve atresia: anatomic evaluation with MR imaging, *AJR* 1987; 148: 671
 Fletcher BD; Magill HL: wheel-within-a-wheel patterns in hepatosplenic infections, *Radiology* 1988; 169: 578
 Fletcher EWL See Dixon FM
 Fletcher EWL See McMillan PJ
 Fletcher EWL; Baum JD; Draper G: risk of diagnostic radiation of the newborn, *Br J Radiol* 1986; 59: 165
 Fletcher GH See Carlson LS
 Fletcher GH See Lo K
 Fletcher GH: history of irradiation in squamous cell carcinomas of the larynx and hypopharynx, *Int J Radiat Oncol Biol Phys* 1986; 12: 2019
 Fletcher GH: implications of the density of clonogenic infestation in radiotherapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 1675
 Fletcher J See Sundaram M
 Fletcher JC See Evans MI
 Fletcher JW See Lin MS
 Fletcher ME See Mafee MF
 Fletcher R See Hambraeus GM
 Fletcher RM; Neal DK; Karl SR; et al: ovarian torsion: an unusual cause of bilateral pelvic calcifications, *Pediatr Radiol* 1988; 18: 172
 Fletcher WA; Imes RK; Hoyt WF: chiasmal gliomas: appearance and long-term changes demonstrated by computerized tomography, (ab), *Radiology* 1987; 163: 838
 Fleury J See Roy DF
 Flicker S See Altin RS
 Flicker S See Rees MR
 Flicker S See Rubin SA
 Flicker S See Steiner RM
 Flickinger F See Chakares DW
 Flickinger FW See Yuh WTC
 Flickinger FW; Yuh WTC; Sato Y; et al: MR findings of an unusual intracranial neuroma simulating a meningioma, *JCAT* 1988; 12: 485
 Flickinger JC; Jawalekar K; Deutsch M; et al: split course radiation therapy for adenocarcinoma of the pancreas, *Int J Radiat Oncol Biol Phys* 1988; 15: 359
 Fligner CL See Varnell RM
 Flint A See Gross BH
 Flint EW; Sumkin JH; Zajko AB; et al: duplex sonography of hepatic artery thrombosis after liver transplantation, *AJR* 1988; 151: 481
 Flint LM Jr See Richardson JD
 Flisak ME See Demos TC
 Flisak ME; Berman S: electrical injury in the esophagus, *AJR* 1988; 150: 103
 Flodmark O See Cabral DA
 Flodmark O See Silver SF
 Flodmark O; Roland EH; Hill A; Whitfield MF: periventricular leukomalacia: radiologic diagnosis, *Radiology* 1987; 162: 119
 Floersheim GL; Chiodetti N; Bieri A: differential radioprotection of bone marrow and tumour cells by zinc aspartate, *Br J Radiol* 1988; 61: 501
 Floersheim GL; Floersheim P: protection against ionising radiation and synergism with thiols by zinc aspartate, *Br J Radiol* 1988; 59: 597
 Floersheim P See Floersheim GL
 Flom RA See Bird CR
 Flom RA See Hedberg MC
 Flook D; Gilhorne RW; Harman J; et al: changes in Wolfe mammographic patterns with aging, *Br J Radiol* 1987; 60: 455
 Floquet J See Claudon M
 Floren CH See Fornberg I
 Florence LO See Scialani SJA
 Florence SH; Hutton LC; McKenzie FN; et al: cardiac transplantation: postoperative chest radiographs, *J Canad Assoc Radiol* 1988; 39: 115
 Flores AD See Dickson RI
 Flores JAM: military pattern in neonatal pneumonia, *Pediatr Radiol* 1988; 18: 355
 Flores NA See Davies RL
 Florio E See Grant CWM
 Floris R See Bianco F
 Flower CDR See Ashford NS
 Flower CDR See Barton E

Flower

- Flower CDR** See Hunnam GR
Flower CDR See Phillips MS
Flower CDR: fiberoptic bronchoscopy in thoracic diagnosis, *J Thorac Imag* 1987; 2: 61
Flower MA See Webb S
Flowers JL; Burton GV; Cox EB; et al: use of monoclonal antiestrogen receptor antibody to evaluate estrogen receptor content in fine-needle aspiration breast biopsies, (ab), *Radiology* 1986; 160: 857
Floyd CE See Manglos SH
Floyd CE Jr; Jaszcak RJ; Greer KL; et al: inverse Monte Carlo as a unified reconstruction algorithm for ECT, *J Nucl Med* 1986; 27: 1577
Floyd CE Jr; Jaszcak RJ; Greer KL; Coleman RE: brain phantom: high-resolution imaging with SPECT and I-123, *Radiology* 1987; 164: 279
Floyd JL See Chasen MH
Floyd JL See Jackson DE Jr
Floyd JL; Jackson DE Jr; Carretta R: appearance of hyperostosis frontalis interna on indium-111 leukocyte scans: potential diagnostic pitfall, *J Nucl Med* 1986; 27: 495
Floyd JL; Jackson DE Jr; Thomas JM: simplified method for the routine determination of effective renal plasma flow, *Clin Nucl Med* 1986; 11: 758
Flyckt L See Bergström G
Flye MW See Piccirilli M
Flye MW See Rigby CM
Flye MW See Taylor KJW
Flynn BM; Sammerville DA; Treves ST: technetium-99m pertechnetate visualization of ileal duplication, *Clin Nucl Med* 1987; 12: 880
Flynn BM; Treves ST: diffuse hepatic uptake of technetium-99m methylene diphosphonate in a patient receiving high dose methotrexate, *J Nucl Med* 1987; 28: 532
Flynn DF See Cox JD
Flynn MJ See Watt AC
Flynn TC See Seeger JM
Flynn TC See Vincent LM
Flynn TR See Peracha HU
Foad M See Abdel-Dayem HM
Foal R See Selwyn AP
Fobbe F See Hamm B
Fobbe F; Hamm B; Schwarting R: angiomyolipoma of the liver: CT, MR, and ultrasound imaging, *JCAT* 1988; 12: 658
Fobbe F; Hamm B; Sörensen R; et al: percutaneous transluminal treatment of varicoceles: where to occlude the internal spermatic vein, *AJR* 1987; 149: 983
Fobben ES; Dalinka MK; Schiebeler ML; et al: magnetic resonance imaging appearance at 1.5 Tesla of cartilaginous tumors involving the epiphysis, *Skeletal Radiol* 1987; 16: 647
Foderaro A See Sato Y
Foderaro AE See Barloon TJ
Foderaro AE; Abu-Yousef MM; Benda JA; et al: antenatal ultrasound diagnosis of iniencephaly, *JCU* 1987; 15: 550
Foderaro AE; Barloon TJ; Murray JA: giant pseudopyelitis in Crohn's disease with computed tomography correlation, *CT* 1987; 11: 288
Foderaro AE; El-Khoury GY; Hingtgen WL; Hitchon PJ; Franken EA Jr: general case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 395
Fodor J; Szentirmay Z; Gyenes G: risk factors in stage III breast carcinoma, *Acta Oncol* 1987; 26: 19
Fogarty GWA See Cranley K
Fogarty TJ See Zimmerman JJ
Fogelfeld L; Rubinstein U; Bar-On J; et al: severe thyrotoxicosis caused by an ectopic intrathoracic goiter, *Clin Nucl Med* 1986; 11: 20
Fogelman I See Coleman RE
Fogelman I See Ratcliffe GE
Foglia RP See Cleveland RH
Foley HT See Hamer MM
Foley LC See Hopper KD
Foley LC See Strain JD
Foley R See Boileau M
Foley WD See Alpern MB
Foley WD See Cates JD
Foley WD See Daniela DL
Foley WD See Dunnick NR
Foley WD See Ferrucci JR
Foley WD See Goodman LT
Foley WD See Middleton WD
Foley WD: hepatic MR imaging at 1.5 T, *Radiology* 1988; 168: 326
Foley WD; Beres J; Smith DE; et al: IV and intraarterial hybrid digital subtraction angiography: clinical evaluation, *AJR* 1986; 147: 615
Foley WD; Cates JD; Kellman GM; Langdon T; Aprahamian C; Lawson TL; Middleton WD: treatment of blunt hepatic injuries: role of CT, *Radiology* 1987; 164: 625
Foley WD; Kneeland JB; Cates JD; et al: contrast optimization for the detection of focal hepatic lesions by MR imaging at 1.5 T, *AJR* 1987; 149: 1155
Foley WD; Lipchik EO; Larson PA; et al: evaluation of ECG gating and hybrid subtraction for intraarterial digital subtraction thoracic aortography, *AJR* 1987; 149: 1269
Foley WD; Lipchik EO; Larson PA; et al: evaluation of ECG gating for selective intraarterial carotid DSA, *AJR* 1987; 149: 1265
Foley WD; Wilson CR; San Dretto M: effect of varying high pass filter parameters on the detectability of isolated pulmonary nodules in digitized chest images, *Invest Radiol* 1986; 21: 305
Fond A See Bret PM
Fond A See Matter D
Fong KW See Rahmani MR
Fong KW; Rahmani MR; Rose TH; et al: fetal renal cystic disease: sonographic-pathologic correlation, *AJR* 1986; 146: 767
Fong KW; Zalev AH: sonographic diagnosis of leiomyosarcoma of the inferior vena cava: correlation with computed tomography and angiography, *J Can Assoc Radiol* 1987; 38: 229
Fong P See Drew HM
Fong P See Heinrichs WL
Fontaine S See Cosgrove GR
Fontaine S; de la Sayette V; Gianfelice D; et al: CT, MRI, and angiography of venous aneurysms: a comparative study, *J Can Assoc Radiol* 1987; 38: 259
Fontaine S; Dumas J-M; Brassard R; et al: pyogenic spondylodiscitis without disc space collapse, *J Can Assoc Radiol* 1987; 38: 129
Fontaine S; Melanson D; Cosgrove R; Bertrand G: cavernous hemangiomas of the spinal cord: MR imaging, *Radiology* 1988; 166: 839
Fontaine S; Thérion J; Melanson D; et al: superselective cerebral arterial infusion of BCNU in high-grade glioma: the radiologist's point of view, *J Can Assoc Radiol* 1988; 39: 178
Fontaine SB See Roy DF
Fontanesi J See Izdebski K
Font D See Ekholm SE
Foord KD See Kaye B
Foote KD; Vickers DW: congenital pleural effusion in Down's syndrome, *Br J Radiol* 1986; 59: 609
Foray MF See Albrand JP
Forbes A See Powell-Jackson P
Forbes G; Gorman CA; Brennan MD; et al: ophthalmopathy of Graves' disease: computerized volume measurements of the orbital fat and muscle, *AJNR* 1986; 7: 651
Forbes G; Nichols DA; Jack CR Jr; Ilstrup DM; Kispert DB; Pieggar D; Wiebers DO; Earnest F IV; Axley PL: complications of spinal cord arteriography: prospective assessment of risk for diagnostic procedures, *Radiology* 1988; 169: 479
Forbes GS See Earnest F IV
Forbes GS See Houser OW
Forbes JF: Nisbet Symposium 1986: early breast cancer—an overview of current and future directions, *Australas Radiol* 1987; 31: 113
Forbes WSC See Rothwell CI
Ford CV See Winfield AC
Ford E See Goldenberg DM
Ford E See Staron RB
Ford GA See Williams MP
Ford JJ See Hayman LA
Ford JJ See Rokey R
Ford KB; Porter BA; Stadlinski RC; et al: functional causes of the ductal obstructive pattern on hepatobiliary scans, *Clin Nucl Med* 1987; 12: 713
Ford LT See Wilson AJ
Ford PV; Parker HG: unsuspected deep venous thrombophlebitis detected by gallium-67 imaging, *Clin Nucl Med* 1987; 12: 556
Ford WB See Sirivella S
Fordham EW See Anees A
Fordham EW See Salomon CG
Forester GV See Legendre JP
Forester GV; Peterson EA; Roy OZ: effect of therapeutic level ultrasound on visual evoked potentials in the hypoxic cat, *Ultrasound Med Biol* 1987; 13: 259
Fork F-T: radiographic findings in overlooked colon carcinomas: a retrospective analysis, *Acta Radiol* 1988; 29: 331
Fork F-T: wheat fibre before radiography of the large bowel, *Acta Radiol* 1988; 29: 375
Fork F-T; Bååth L; Borgström A; et al: digitized intra-operative video-fluoroscopy cholangiography: an analysis of 100 cases, *Acta Radiol* 1987; 28: 719
Forman A See Piwnica-Worms D
Forman BH See Mueller PR
Forman BH See Silverman SG
Forman BH See Wittenberg J
Forman GH See Horner K
Forman JD; Wharam MD; Lee DJ; et al: definitive radiotherapy following prostatectomy: results and complications, *Int J Radiat Oncol Biol Phys* 1986; 12: 185
Formanek AG See Link KM
Formanek AG; Witcofski RL; D'Souza VJ; et al: MR imaging of the central pulmonary arterial tree in conotruncal malformation, *AJR* 1986; 147: 1127
Formica N See Pacini F
Formage BD: Achilles tendon: US examination, *Radiology* 1986; 159: 759
Formage BD: fine-needle aspiration biopsy with a vacuum test tube, *Radiology* 1988; 169: 553
Formage BD: glomus tumors in the fingers: diagnosis with US, *Radiology* 1988; 167: 183
Formage BD: hypoechoic normal tendon: pitfall, *J Ultrasound Med* 1987; 6: 19
Formage BD: normal US anatomy of the prostate, *Ultrasound Med Biol* 1986; 12: 1011
Formage BD: peripheral nerves of the extremities: imaging with US, *Radiology* 1988; 167: 179
Formage BD: preoperative sonographic localization of a migrated transosseous stabilizing wire in the hand, *J Ultrasound Med* 1987; 6: 471
Formage BD: sonographic diagnosis of a retained surgical sponge in the breast, *JCU* 1987; 15: 285
Formage BD: transrectal ultrasound diagnosis of a misplaced Foley catheter, *JCU* 1986; 14: 629
Formage BD; Deshayes J-L: ultrasound of normal skin, *JCU* 1986; 14: 619
Formage BD; Faroux MJ; Simatos A: breast masses: US-guided fine-needle aspiration biopsy, *Radiology* 1987; 162: 409
Formage BD; Nerot C: sonographic diagnosis of rhabdomyolysis, *JCU* 1986; 14: 389
Formage BD; Nerot C: sonographic diagnosis of tuberculoid leprosy, *J Ultrasound Med* 1987; 6: 105
Formage BD; Rifkin MD: ultrasound examination of tendons, *Radiol Clin North Am* 1988; 26: 87
Formage BD; Rifkin MD: ultrasound examination of the hand, *Radiology* 1986; 160: 853
Formage BD; Rifkin MD: ultrasound examination of the hand and foot, *Radiol Clin North Am* 1988; 26: 109
Formage BD; Schernberg FL: sonographic diagnosis of foreign bodies of the distal extremities, *AJR* 1986; 147: 567
Formage BD; Schernberg FL: sonographic preoperative localization of a foreign body in the hand, *J Ultrasound Med* 1987; 6: 217
Formage BD; Toubas O; Morel M: clinical, mammographic, and sonographic determination of preoperative breast cancer size, (ab), *Radiology* 1988; 166: 588
Formasier VL; Czitrion AA; Evans JA; et al: case report 398, *Skeletal Radiol* 1987; 16: 57
Formasiero D; Bellen JC; Baker RJ; et al: paramagnetic complexes of manganese(II), iron(III), and gadolinium(III) as contrast agents for magnetic resonance imaging: influence of stability constants on the biodistribution of radioactive aminopolycarboxylate complexes, *Invest Radiol* 1987; 22: 322
Forni C See Valentini MC
Forrest H See Vallance R
Forrest JV; Lasser EC: beer company more ethical than medical community?, *Radiology* 1988; 166: 901
Forrest MD See Bartynski WS
Forrest TS See Franze I
Forrest TS; Elyaderani MK; Muilenburg MI; Bewtra C; Kable WT; Sullivan P: cyclic endometrial changes: US assessment with histologic correlation, *Radiology* 1988; 167: 233
Forrester DM See Radin DR
Forrester JS See Staniloff HM
Forstberg H: clinically acceptable tolerance of roentgen generator exposure parameters, *Acta Radiol* 1987; 28: 121
Forstberg H: sensitometric control of roentgen film processors, *Acta Radiol* 1987; 28: 339
Forstberg I See Åkesson A
Forstberg I See Ekelund L
Forstberg I See Hederström E
Forstberg I See Samuelsson L
Forstberg L; Andersson R; Hederström E; et al: ultrasonography and gallbladder perforation in acute cholecystitis, *Acta Radiol* 1988; 29: 203
Forstberg L; Florén CH; Hederström E; et al: ultrasound examination in diffuse liver disease: clinical significance of enlarged lymph nodes in the hepato-duodenal ligament, *Acta Radiol* 1987; 28: 281
Forstling M See Trehwella M
Forster A; Pothmann R; Winter K; et al: magnetic resonance imaging in non-specific discitis, *Pediatr Radiol* 1987; 17: 162
Forster C See Baierl P
Forsythe J See Mattrey RF
Forté MD; Brant WE: ultrasonographic detection of epididymal sarcoidosis, *JCU* 1988; 16: 191
Forté RA See Gonda RL Jr

- Fortier GA; Krochak RJ; Kim JA; et al: dose response to preoperative irradiation in rectal cancer: implications for local control and complications associated with sphincter sparing surgery and abdominoperineal resection. *Int J Radiat Oncol Biol Phys* 1986; 12: 1559
- Fortner A; Datz FL; Taylor A Jr; et al: uptake of ^{111}In -labeled leukocytes by tumor. *AJR* 1986; 146: 621
- Fortner A; Taylor A Jr; Alazraki NP; et al: advantage of indium-111 leukocytes over ultrasound in imaging an infected renal cyst. *J Nucl Med* 1986; 27: 1147
- Fortune K See Taylor KJW
- Fortune KL See Taylor KJW
- Foss DE See Daffner RH
- Fossa SD See Blomlie V
- Fossa SD See Heimdal K
- Fossa SD See Sager EM
- Fossa SD See Wenderås EH
- Fossa SD; Abeler V; Marton PF; et al: sarcoma reaction of hilar and paratracheal lymph nodes in patients treated for testicular cancer. (ab). *Radiology* 1986; 159: 572
- Fossa SD; Almaas B; Jetne V; et al: paternity after irradiation for testicular cancer. *Acta Oncol* 1986; 25: 33
- Fossel E See Paulin S
- Fossel ET See Børstein D
- Fossel ET; Hoefler H: observation of intracellular potassium and sodium in the heart by NMR: major fraction of potassium is "invisible". *Magn Res Med* 1986; 3: 534
- Foster AE See Denman DL
- Foster CJ See Jenkins JFR
- Foster CJ; Brownlee WC; Griffin JF; et al: comparison of angiographic and electrocardiographically gated computed tomographic measurements of left-ventricular function. *Br J Radiol* 1987; 60: 969
- Foster CJ; Griffin JF: comparison of the incidence of cardiac arrhythmias produced by two intravenous contrast media in coronary artery disease. *Clin Radiol* 1987; 38: 399
- Foster CJ; Sekiya T; Love HG; et al: identification of intracardiac thrombus: comparison of computed tomography and cross-sectional echocardiography. *Br J Radiol* 1987; 60: 327
- Foster CR See Gupta SM
- Foster D See Lacombe P
- Foster DR See Bly SHP
- Foster FS See D'Astous FT
- Foster J See Allard JC
- Foster JE See Lee VW
- Foster MA See MacLennan FM
- Foster MA; Kilcynne RF; Ruvacaba-Myhre-Smith syndrome: new consideration in the differential diagnosis of intestinal polyposis. *Gastrointest Radiol* 1986; 11: 349
- Foster MA; Nyberg DA; Mahony BS; Mack LA; Marks WM; Raabe RD: meconium peritonitis: prenatal sonographic findings and their clinical significance. *Radiology* 1987; 165: 661
- Foster NL See Grimes AM
- Foster RW See Gum GK
- Foster TH See Katzberg RW
- Foster TR See Beltran J
- Foster WC See Yaghai I
- Foster WL Jr See Halvorsen RA Jr
- Foster WL Jr See Thompson WM
- Foster WL Jr; Heinsimer JA; Parrish DE: left upper quadrant pain and intermittent bacteremia. *Invest Radiol* 1986; 21: 488
- Foster WL Jr; Pratt PC; Roggli VL; Godwin JD; Halvorsen RA Jr; Putman CE: centrilobular emphysema: CT-pathologic correlation. *Radiology* 1986; 159: 27
- Foster WL Jr; Roberts L Jr; Halvorsen RA Jr; et al: sonography of small renal masses with indeterminate density characteristics on computed tomography. *Urol Radiol* 1988; 10: 59
- Fotter R See Kopp W
- Fotter R; Kopp W; Klein E; Hollwarth M; Uray E: unstable bladder in children: functional evaluation by modified voiding cystourethrography. *Radiology* 1986; 161: 811
- Foucar E See El-Khoury GY
- Founer R See Anda S
- Foulner D; Khangure MS; Chakera TMH: post metrizamide CT in the diagnosis of syringomyelia. *Australas Radiol* 1987; 31: 246
- Fountas PN See Burns RJ
- Fountas A See Miller TR
- Fouquet B See Coffy P
- Foucade Y See Boyez M
- Fourquet A; Campana F; Vielh P; et al: Paget's disease of the nipple without detectable breast tumor: conservative management with radiation therapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 1463
- Foust R See Geremia GK
- Fowble B See Solin LJ
- Fowble B; Glick J; Goodman R: radiotherapy for the prevention of local-regional recurrence in high risk patients post mastectomy receiving adjuvant chemotherapy. *Int J Radiat Oncol Biol Phys* 1988; 15: 627
- Fowkes FGR; Davies ER; Evans KT; et al: compliance with the Royal College of Radiologists' guidelines on the use of pre-operative chest radiographs. *Clin Radiol* 1987; 38: 45
- Fowler JF See Hall EJ
- Fowler JF See Saunders MI
- Fowler JF See Skofyzawski J
- Fowler JF: intervals between multiple fractions per day: differences between early and late radiation reactions. *Acta Oncol* 1988; 27: 181
- Fowler JF: potential for increasing the differential response between tumors and normal tissues: can proliferation rate be used? *Int J Radiat Oncol Biol Phys* 1986; 12: 641
- Fowler JF: scientific perspectives on recent progress in radiation oncology. *Int J Radiat Oncol Biol Phys* 1986; 12: 709
- Fowler JF: short and long fractionated schedules in radiotherapy and a proposed improvement. *Br J Radiol* 1987; 60: 777
- Fowler JS See Hiesiger E
- Fowler JS See MacGregor RR
- Fowler JS See Shiue C-Y
- Fowler RC See Cooke DI
- Fowler RC; Chennells PM; Ewing R: scrotal ultrasonography: a clinical evaluation. *Br J Radiol* 1987; 60: 649
- Fowler RC; Reid WA: ultrasound diagnosis of adenomyomatosis of the gall-bladder: ultrasonic and pathological correlation. *Clin Radiol* 1988; 39: 402
- Fowlie F; Giacomantonio M; McKenzie E; et al: antenatal sonographic diagnosis of adrenal neuroblastoma. *J Canad Assoc Radiol* 1986; 37: 50
- Fowlie S; Barton JR; Fraser GM: barium embolisation during barium enema examination: a report of a case and a review of the literature. *Br J Radiol* 1987; 60: 404
- Fowlie S; Taylor RE; Preston P; et al: case report: gastric and periurethral metastases from seminoma testis. *Clin Radiol* 1987; 38: 63
- Fox AJ See Campos J
- Fox AJ See Dion JE
- Fox AJ See Pelz DM
- Fox AJ See Spiegel SM
- Fox AJ See Vinuela FV
- Fox AJ; Bogousslavsky J; Carey LS; et al: magnetic resonance imaging of small medullary infarctions. *AJNR* 1986; 7: 229
- Fox ER; Chung T; Laufer I: enteroliths in a continent ileostomy. *AJR* 1988; 150: 105
- Fox JL See Al-Mefty O
- Fox JM See Shellock FG
- Fox JW IV See Miller CL
- Fox KAA See Knabb RM
- Fox NE See Twentyman PR
- Fox NE; Twentyman PR: comparison of clonogenic and radionuclide uptake assays for determining the radiation response of human small-cell lung cancer xenografts and cell lines. *Br J Radiol* 1987; 60: 381
- Fox P See Revel D
- Fox RI See Bone RC
- Fox SA See Gold RH
- Fox SA; Kios DS; Tsou CV: underuse of screening mammography by family physicians. *Radiology* 1988; 166: 431
- Fraass BA; Lichter AS; McShan DL; et al: influence of lung density corrections on treatment planning for primary breast cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 179
- Fraass BA; McShan DL; Dix RF; et al: integration of magnetic resonance imaging into radiation therapy treatment planning: I. technical considerations. *Int J Radiat Oncol Biol Phys* 1987; 13: 1897
- Fraass BA; Miller RW; Kinsella TJ; et al: intraoperative radiation therapy at the National Cancer Institute: technical innovations and dosimetry. (ab). *Radiology* 1986; 158: 576
- Frager D See Lautin EM
- Frager D See Wolf EL
- Frager D; Elkin C; Swerdlow M; et al: subacute osteoporotic compression fracture: misleading magnetic resonance appearance. *Skeletal Radiol* 1988; 17: 123
- Frager DH; Elkin CM; Kanaler F; et al: extraaxial abnormalities identified on lumbar spine CT. *Neuroradiol* 1986; 28: 58
- Frager DH; Frager JD; Brandt LJ; Wolf EL; Rand LG; Klein RS; Beneventano TC: gastrointestinal complications of AIDS: radiologic features. *Radiology* 1986; 158: 597
- Frager DH; Frager JD; Wolf EL; et al: cytomegalovirus colitis in acquired immune deficiency syndrome: radiologic spectrum. *Gastrointest Radiol* 1986; 11: 241
- Frager DH; Frager JD; Wolf EL; et al: problems in the colonoscopic localization of tumors: continued value of the barium enema. *Gastrointest Radiol* 1987; 12: 343
- Frager DH; Goldman MJ; Seimon LP; et al: computed tomography guidance for skeletal biopsy. *Skeletal Radiol* 1987; 16: 644
- Frager DH; Wolf EL; Competiello LS: squamous cell carcinoma of the esophagus in patients with acquired immunodeficiency syndrome. *Gastrointest Radiol* 1988; 13: 358
- Frager J See Wolf EL
- Frager JD See Frager DH
- Frahm J See Haase A
- Frahm J See Matthaei D
- Frahm J; Haase A; Matthaei D: rapid NMR imaging of dynamic processes using the FLASH technique. *Magn Res Med* 1986; 3: 321
- Frahm J; Haase A; Matthaei D: rapid three-dimensional MR imaging using the FLASH technique. *JCAT* 1986; 10: 363
- Frahm J; Merboldt K-D; Hönicke W: direct FLASH MR imaging of magnetic field inhomogeneities by gradient compensation. *Magn Res Med* 1988; 6: 474
- Frahm J; Merboldt K-D; Hönicke W; et al: flow suppression in rapid FLASH NMR images. *Magn Res Med* 1987; 4: 372
- Frahm J; Merboldt KD; Hönicke W; et al: rapid line scan NMR angiography. *Magn Res Med* 1988; 7: 79
- Fram EK See Atlas SW
- Francavilla TL; Powers A; Dina T; et al: MR imaging of thoracic disk herniations. *JCAT* 1987; 11: 1062
- Franceschelli N See Casolo F
- Franceschi D See Li Q-S
- Franceschi M See Triulzi F
- Franceschini MP See Berridge MS
- Franceschini P See Silengo MC
- Franceschini P; Silengo MC; Bianco R; et al: Coffin-Siris syndrome in two siblings. *Pediatr Radiol* 1986; 16: 330
- Franchitto AA See Doris CI
- Francica G See Giorgio A
- Francis I See Space TC
- Francis IC See Lawless M
- Francis IR See Alpern MB
- Francis IR See Amendola MA
- Francis IR See Baker DE
- Francis IR See Brenner EL
- Francis IR See Farah MC
- Francis IR See Gebanski KS
- Francis IR See Glazer GM
- Francis IR See Heavly LR
- Francis IR See Jasinski RW
- Francis IR See Li KC
- Francis IR See Quint BL
- Francis IR See Shulkin BL
- Francis IR See Vahry TN
- Francis IR; Agha FP; Thompson NW; et al: fibrolamellar hepatocarcinoma: clinical, radiologic, and pathologic features. *Gastrointest Radiol* 1986; 11: 67
- Francis IR; Dorovini-Zis K; Glazer GM; et al: fibromatoses: CT-pathologic correlation. *AJR* 1986; 147: 1063
- Francis IR; Glazer GM; Amendola MA; et al: hepatic abscesses in the immunocompromised patient: role of CT in detection, diagnosis, management, and follow-up. *Gastrointest Radiol* 1986; 11: 257
- Francis IR; Smid A; Gross MD; Shapiro B; Naylor B; Glazer GM: adrenal masses in oncologic patients: functional and morphologic evaluation. *Radiology* 1988; 166: 353
- Francis RM See Hordon LD
- François A; Van Gerven L; Atassi G; et al: analysis by the Carr-Purcell-Meiboom-Gill sequence of the influence of P388 leukemia and of cis-diamminedichloroplatinum(II) nephrotoxicity on water compartmentalization in kidneys and spleens of mice. *Magn Res Med* 1988; 7: 449
- Francione A See Rossi P
- Franges DN See Curry NS
- Francis S See Woods D
- Francis S; Pirani M; Stevenson GW: torsion of a wandering spleen. *J Canad Assoc Radiol* 1988; 39: 232
- Frank E See Brown BM
- Frank F; Finizio FS; Ruggiero G; et al: diagnostic stereotaxic and traitement des tumeurs de la région pineale (stereotactic diagnosis and treatment of tumours of the pineal region). *J Neuroradiol* 1986; 13: 137
- Frank G See Zwas ST
- Frank GR See Madsen EL
- Frank J See Levy LM
- Frank JA See Di Chiro G
- Frank JA See Dwyer AJ
- Frank JA See Knop RH
- Frank JA See Reinig JW
- Frank JA; Dwyer AJ; Gilton ME; et al: opening of blood-ocular barrier demonstrated by contrast-enhanced MR imaging. *JCAT* 1986; 10: 912
- Frank JA; Gilton ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL: ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging. *Radiology* 1987; 164: 527

- Frank JA; Gilton ME; Dwyer AJ; Wright DC; Cohen PJ; Doppman JL: meningial carcinomatosis in the VX2 rabbit tumor model: detection with Gd-DTPA-enhanced MR imaging. *Radiology* 1988; 167: 825
- Frank JL See Bradford BF
- Frank JL: sonography of intracranial infection in infants and children. *Neuroradiol* 1986; 28: 440
- Frank JL; Poole CA; Ross G: horseshoe lung: clinical, pathologic, and radiologic features and a new plain film finding. *AJR* 1986; 1: 217
- Frank LR See Meuli RA
- Frank MS See Sanders C
- Frank TL See Geckle WJ
- Frank TL See Li Q-S
- Frank TS See Cohen EK
- Frankle CL; Versteeg CWM; van Gijn J: best fit method: a simple way for measuring the volume of an intracerebral haematoma. *Neuroradiol* 1988; 30: 73
- Frankle R-P See Kovalikova Z
- Frankel KA See Marks MP
- Frankel LS See Shirkhoda A
- Frankel N; Coleman RE; Pryor DB; et al: utilization of lung scans by clinicians. *J Nucl Med* 1986; 27: 366
- Frankel RB See Saini S
- Frankel VH See Abdelwahab IF
- Franken EA See Uken P
- Franken EA Jr See Barloon TJ
- Franken EA Jr See Berbaum KS
- Franken EA Jr See Conrad GR
- Franken EA Jr See Crawford SC
- Franken EA Jr See Farner RM
- Franken EA Jr See Federaro AE
- Franken EA Jr See Frey EE
- Franken EA Jr See Honda H
- Franken EA Jr See Morris KJ
- Franken EA Jr See Sato Y
- Franken EA Jr See Smith WL
- Franken EA Jr See Yang CJC
- Franken EA Jr: nonsurgical treatment of intussusception. *AJR* 1988; 150: 1353
- Franken EA Jr; Berbaum KS; Dunn V; Smith WL; Ehrhardt JC; Levitz GS; Breckenridge RE: impact of MR imaging on clinical diagnosis and management: prospective study. *Radiology* 1986; 161: 377
- Franken EA Jr; Smith WL; Cohen MD; et al: hepatic imaging in Stage IV-S neuroblastoma. *Pediatr Radiol* 1986; 16: 107
- Franken PR See Ham HR
- Frankl AG See Nishiyama H
- Franklin DW See Wang KY
- Franklin J; Belkin R; Howieson J; et al: posterior fossa chronic subdural hematoma in the neonate. *AJNR* 1986; 7: 1099
- Franklin P See Allard JC
- Franko AJ See Raleigh JA
- Franko AJ: misonidazole and other hypoxia markers: metabolism and applications. *Int J Radiat Oncol Biol Phys* 1986; 12: 1195
- Franko AJ; Garrecht BM: misonidazole retention by normal tissues: distinction between label on the ring and side chain. *Int J Radiat Oncol Biol Phys* 1986; 12: 1259
- Frankow-Reid E See Millward S
- Franket T See Inaraja L
- Franket T; Gonzalez AE: gastric and duodenal pneumatosis in a child with anular pancreas. *Pediatr Radiol* 1987; 17: 262
- Franson TR; Kauffman HM Jr; Adams MB; et al: cyclosporine therapy and refractory *Pneumocystis carinii* pneumonia: a potential association. (ab). *Radiology* 1988; 166: 591
- Fransson S-G; Sötker H; Johansson K-E; et al: radiologic diagnosis of gastro-oesophageal reflux by means of graded abdominal compression. *Acta Radiol* 1988; 29: 45
- Fransson S-G; Sötker H; Johansson K-E; et al: radiologic diagnosis of gastro-oesophageal reflux: comparison of barium and low-density contrast medium. *Acta Radiol* 1987; 28: 295
- Fransson SC; Sötker H; Johansson K-E; et al: radiologic findings after fundoplication compared with a pH reflux test and symptoms. *Acta Radiol* 1986; 27: 33
- Frantz EG; Henry GW; Lucas CL; et al: characteristics of blood flow velocity in the hypertensive canine pulmonary artery. *Ultrasound Med Biol* 1986; 12: 379
- Frantzides CT; Condon RE; Tsiftsis D; et al: radionuclide visualization of acute occlusive and nonocclusive intestinal ischemia. (ab). *Radiology* 1986; 160: 856
- Frantz I See Mehr SH
- Frantz I; Forrest TS: sonographic diagnosis of a subdural hematoma as the initial manifestation of hemophilia in a newborn. *J Ultrasound Med* 1988; 7: 149
- Frantz I; Goebel N; Stuckmann G: muscle necrosis: computed tomography appearance. (ab). *Radiology* 1986; 160: 286
- Fränzén G; Ölofsson J; Tylor M; et al: preoperative irradiation in oral cavity carcinoma: a study with special reference to DNA pattern, histological response and prognosis. *Acta Oncol* 1987; 26: 349
- Fraser DB See Murphy G
- Fraser GM See Fowlie S
- Fraser KW; Hill MC; Coldwell DM; et al: duplex Doppler evaluation of mesocaval and mesoatrial shunt patency. *JCU* 1988; 16: 127
- Fraser PA See Weinblatt ME
- Fraser R See Burke M
- Fraser R See Menzies R
- Fraser RG See Chakraborty DP
- Fraser RG See Niklason LT
- Fraser RG; Hickey NM; Niklason LT; Sabbagh EA; Luna RF; Alexander CB; Robinson CA; Katzenstein A-LA; Barnes GT: calcification in pulmonary nodules: detection with dual-energy digital radiography. *Radiology* 1986; 160: 595
- Fraser RS See Quigley MJ
- Fraser RS: catheter-induced pulmonary artery perforation: pathologic and pathogenic features. (ab). *Radiology* 1988; 167: 885
- Fraser TRC See Dodd GW
- Frassica FJ; Sim FH; Wold LE: case report 462. *Skeletal Radiol* 1988; 17: 77
- Frassica FJ; Unni KK; Seabolt JW; et al: dedifferentiated chondrosarcoma: report of the clinicopathological features and treatment of seventy-eight cases. (ab). *Radiology* 1987; 163: 590
- Frassica FJ; Unni KK; Sim FH: case report 347. *Skeletal Radiol* 1988; 15: 77
- Fratkin MJ See Burke TS
- Fratkin MJ See Cho S-R
- Fratkin MJ See Resnik CS
- Frau DM See Quinn SF
- Frauenhoffer S See Mitchell DG
- Frayne JR: Nisbet Symposium 1986: early breast cancer: Magnetic Resonance—the state of the art 1986. *Australas Radiol* 1987; 31: 108
- Frazier J See Aldridge S
- Frazier AB See de Paredes ES
- Frazier DT See Thraves PJ
- Freaff SJ See Grunbaum Z
- Frede TE; Ruthberg BN: sonographic demonstration of iliac venous thrombosis in the maternity patient. *J Ultrasound Med* 1988; 7: 33
- Frederick W See Markowitz RI
- Fredericks P See Moreno AJ
- Frederiksen J See Larsson HBW
- Frederiksen PB See Edeling C-J
- Frederiksen PL See Kjaer M
- Fredfeldt K-E: sound velocity in the middle phalanges of the human hand. *Acta Radiol* 1986; 27: 95
- Freedland PN See Strange C
- Freedman AM See Gardiner GA Jr
- Freedman HL See Conrad MR
- Freedman LS: evaluating and comparing imaging techniques: a review and classification of study designs. *Br J Radiol* 1987; 60: 1071
- Freedman RS See Jolles CJ
- Freedom RM See Benson LN
- Freedom RM; Burrows PE; Moes CAF: "horseshoe" lung: report of five new cases. *AJR* 1986; 146: 211
- Freedy RM See Beltran J
- Freeman CR; Krischer J; Sanford RA; et al: hyperfractionated radiotherapy in brain stem tumors: results of a pediatric oncology group study. *Int J Radiat Oncol Biol Phys* 1988; 15: 311
- Freeman CR; Suissa S: brain stem tumors in children: results of a survey of 62 patients treated with radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1823
- Freeman DM; Muller HH; Hurd RE; et al: rapid ¹⁹F magnetic resonance imaging of perfluorooctyl bromide in vivo. *Magn Res Imag* 1988; 6: 61
- Freeman HP See Ylengpruksawan A
- Freeman JL See Rothberg R
- Freeman LM See Blaufox MD
- Freeman M See Rholl KS
- Freeman ML See Komyn AM
- Freeman ML; Kaplan E: time-based multiple organ functional images. *Semin Nucl Med* 1987; 17: 39
- Freeman ML; Meredith MJ: effect of GSH depletion on thermal radiosensitization. *Int J Radiat Oncol Biol Phys* 1987; 13: 1371
- Freeman MP; Currie CM; Gray GF Jr; et al: Ewing sarcoma of the skull with an unusual pattern of reactive sclerosis: MR characteristics. *JCAT* 1988; 12: 143
- Freeman MP; Kessler RM; Allen JH; et al: craniopharyngioma: CT and MR imaging in nine cases. *JCAT* 1987; 11: 810
- Freeman MP; Tisnado J; Cho S-R: persistent sciatic artery. report of three cases and literature review. *Br J Radiol* 1986; 59: 217
- Freeman MP; Vick CW; Taylor KJW; et al: regenerating nodules in cirrhosis: sonographic appearance with anatomic correlation. *AJR* 1986; 146: 533
- Freeman MW See Powers TA
- Freemont A See Robinson EM
- Freeny PC See Cromwell LD
- Freeny PC See Ferrucci JT
- Freeny PC See Teeffey SA
- Freeny PC: hepatic CT: state of the art. *Radiology* 1988; 168: 319
- Freeny PC: radiology of the pancreas: two decades of progress in imaging and intervention. *AJR* 1988; 150: 975
- Freeny PC; Lewis GF; Traverso LW; Ryan JA: infected pancreatic fluid collections: percutaneous catheter drainage. *Radiology* 1988; 167: 435
- Freeny PC; Marks WM: hepatic hemangioma: dynamic bolus CT. *AJR* 1986; 147: 711
- Freeny PC; Marks WM: hepatic perfusion abnormalities during CT angiography: detection and interpretation. *Radiology* 1986; 159: 685
- Freeny PC; Marks WM: patterns of contrast enhancement of benign and malignant hepatic neoplasms during bolus dynamic and delayed CT. *Radiology* 1986; 160: 613
- Freeny PC; Marks WM; Ryan JA; et al: computed tomography of colorectal carcinoma: preoperative staging and detection of recurrence. *Semin US CT MR* 1987; 8: 432
- Freeny PC; Marks WM; Ryan JA; Bolen JW: colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence. *Radiology* 1986; 158: 347
- Freeny PC; Marks WM; Ryan JA; Traverso LW: pancreatic ductal adenocarcinoma: diagnosis and staging with dynamic CT. *Radiology* 1988; 166: 125
- Freer CEL See Butler P
- Freer CEL See Clark JDA
- Freiberger RH See Murphy WA Jr
- Freiberger RH: evaluation of hip prostheses by imaging methods. *Semin Roentgenol* 1986; 21: 20
- Freiberger RH; Pavlov H: knee arthrography. *Radiology* 1988; 166: 489
- Freidenberg D See Schwartz AN
- Freilich MD See Salamon O
- Freiman DB: transluminal angioplasty of the renal arteries. *Radiol Clin North Am* 1986; 24: 665
- Freimanis M; Plaza-Ponte M: radiologic diagnosis of jejunal diverticulitis. *Gastrointest Radiol* 1988; 13: 312
- Freitag G; Freitag J; Koch RD; et al: percutaneous angioplasty of carotid artery stenoses. *Neuroradiol* 1986; 28: 126
- Freitag J See Freitag G
- Freling NJM; Schuur KH; Haagsma EB; et al: ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis. *JCU* 1986; 14: 554
- Frenkel A See Front D
- Frenkel A See Israel O
- Frenkel A See Roguin N
- Frenkel EP See Balaban EP
- Frenkel TL See Lechner PK
- Frennered K See Danielson B
- Fretz CJ See Hodler J
- Freundlich IM: nonpalpable lesions detected with mammography. *Radiology* 1988; 167: 281
- Freundlich R See Cholaneril JV
- Freund DB See Herd CM
- Frey C See Vasquez TE
- Frey CC See Rosenberg ZS
- Frey CF See Gyorffy EJ
- Frey CF See Pottmeyer EW III
- Frey EE See Matherne GP
- Frey EE See Sato Y
- Frey EE See Seabolt JE
- Frey EE; Matherne GP; Mahoney LT; Sato Y; Stanford W; Smith WL: coronary artery aneurysms due to Kawasaki disease: diagnosis with ultrafast CT. *Radiology* 1988; 167: 725
- Frey EE; Sato Y; Smith WL; Franken EA Jr: cine CT of the mediastinum in pediatric patients. *Radiology* 1987; 163: 19
- Frey EE; Smith W; Franken EA Jr; et al: analysis of bowel perforation in necrotizing enterocolitis. *Pediatr Radiol* 1987; 17: 380
- Frey EE; Smith WL; Grandgeorge S; et al: chronic airway obstruction in children: evaluation with cine-CT. *AJR* 1987; 148: 347
- Frey GD See Stanley JH
- Frey P See Townsend D
- Frey RL See Hardy CJ
- Freyer J See Sutherland R
- Frey Schmidt J; Ostertag H; Lang W: case report 365. *Skeletal Radiol* 1986; 15: 316
- Frias J See Gupta SM
- Friberg J; Sonstabo R; Joe GT; et al: acalculous cholecystitis as a complication of hepatitis. *Eur J Radiol* 1987; 7: 153
- Friberg I See Anderson AR
- Friberg S See Hultborn R
- Frick MP See Kelly RB
- Frick MP See Letourneau JG
- Frick MP See McGill JE
- Frick MP See Salomonowitz E

- Fried AM See Khan O
 Fried AM See Rhodes RA
 Fried AM See Woodring JH
 Fried AM; Coughlin K; Griffen WO: sonographic fat/muscle ratio. *Invest Radiol* 1986; 21: 71
 Fried LP; Moore RD; Pearson TA: long-term effects of cigarette smoking and moderate alcohol consumption on coronary artery diameter: mechanisms of coronary artery disease independent of atherosclerosis or thrombosis? (ab). *Radiology* 1986; 160: 286
 Fried PR See Cooper JS
 Fried R See Bost LM
 Fried R; Bost LM; Miller RH III; et al: nuclear magnetic resonance spectroscopy of rat ventricles following supravalvular aortic banding: model of left ventricular hypertrophy. *Invest Radiol* 1986; 21: 622
 Fried R; Joles FA; Lorenzo AV; et al: developmental changes in proton magnetic resonance relaxation times of cardiac and skeletal muscle. *Invest Radiol* 1988; 23: 289
 Friedburg H See Hennig J
 Friedburg H See Just H
 Friede A See Atsash HK
 Friedenberg RM See Aufrecht D
 Friedenberg RM: assessment of impotence with cavernosography. *Radiology* 1986; 161: 842
 Friedland GW See Nino-Murcia M
 Friedland GW See Perkash I
 Friedland GW See Rifkin MD
 Friedland GW: shrinking and disappearing renal cysts. *Urol Radiol* 1987; 9: 21
 Friedland GW: staging of genitourinary cancers: the role of diagnostic imaging. (ab). *Radiology* 1988; 166: 588
 Friedlander A See Steiger P
 Friedman AC See Ball DS
 Friedman AC See Belfar HL
 Friedman AC See Brick SH
 Friedman AC See Brodsky RI
 Friedman AC See Fiel SB
 Friedman AC See Gombard JS
 Friedman AC See Herman SD
 Friedman AC See Hilpert PL
 Friedman AC See Jaffe J
 Friedman AC See Lev-Toaff AS
 Friedman AC See Levy DW
 Friedman AC See Richterman RL
 Friedman AC See Rindberg S
 Friedman AC See Rossmann MD
 Friedman AC See Walkey MM
 Friedman AC; Fiel SB; Fisher MS; et al: asbestos-related pleural disease and asbestosis: a comparison of CT and chest radiography. *AJR* 1988; 150: 269
 Friedman AH See Drake CG
 Friedman AH See Gray L
 Friedman AL: Wilms' tumor detection in patients with sporadic aniridia: successful use of ultrasound. (ab). *Radiology* 1986; 161: 863
 Friedman B See Shih W-J
 Friedman B; Nerubay J; Blankstein A; et al: case report 439. *Skeletal Radiol* 1987; 16: 504
 Friedman BI: quality assurance and nuclear medicine: challenge of change. *J Nucl Med* 1986; 27: 1366
 Friedman BI; Hartenberg MA; Muiroy JJ; et al: Gastrografin aspiration in a 3 1/4-year-old girl. *Pediatr Radiol* 1986; 16: 506
 Friedman BJ; Beilke R; Friedman PJ: effect of hypoxia on thallium kinetics in cultured chick myocardial cells. *J Nucl Med* 1987; 28: 1453
 Friedman DM See Tiu S
 Friedman EL See Stomper PC
 Friedman HZ; Buda AJ: biventricular thrombus formation in association with acute myocardial infarction: diagnosis by two-dimensional echocardiography. *JCU* 1986; 14: 315
 Friedman HZ; DeBoe SF; McGillem MJ; et al: immediate effects of graded ionic and nonionic contrast injections on coronary blood flow and myocardial function: implications for digital coronary angiography. *Invest Radiol* 1987; 22: 722
 Friedman J; Berman DS; Van Train K; et al: patient motion in thallium-201 myocardial SPECT imaging: an easily identified frequent source of artifactual defect. *Clin Nucl Med* 1988; 13: 321
 Friedman JM See Currarino G
 Friedman JP See Friedman B
 Friedman L See Irwin GAI
 Friedman L; Dubowitz B; Hurwitz J; et al: 30° cephalad anteroposterior tilt view to stage avascular necrosis of the femoral head. *J Canad Assoc Radiol* 1988; 39: 213
 Friedman LR See Chiu S-m
 Friedman M See Hamlin JA
 Friedman N See Carmichael J
 Friedman N See Russo A
 Friedman NC See Davis PC
 Friedman PJ See vanSonnenberg E
 Friedman PJ: chest radiographic findings in the adult with cystic fibrosis. *Semin Roentgenol* 1987; 22: 114
 Friedman PJ: fraud in radiologic research. *AJR* 1988; 150: 27
 Friedman PJ: lung cancer: update on staging classifications. *AJR* 1988; 150: 261
 Friedman PL See Bost LM
 Friedman PL See Meyerowitz MF
 Friedman SE See Chandler FW
 Friedman SE; Dubovsky EV; Dubovsky J; et al: mineral content of bone: measurement by energy subtraction digital chest radiography. *AJR* 1987; 149: 1199
 Friedman WA See Taylor BW Jr
 Friedmann G See Heindel W
 Friedmann G See Krestin GF
 Friedrich M See Hamm B
 Friefeld GD See Adcock KA
 Friefeld GD See Russ PD
 Friend LE See Halama JR
 Frierson HF Jr See Bolen JW Jr
 Frierson HF Jr; Fechner RE; Stallings RG; et al: malignant fibrous histiocytoma in bone infarct: association with sickle cell trait and alcohol abuse. (ab). *Radiology* 1987; 164: 591
 Fries JF See Altman RD
 Fries PD; Char DH; Norman D: MR imaging of orbital cavernous hemangioma. *JCAT* 1987; 11: 418
 Frigoletto FD Jr See Benacerraf BR
 Friga G See Musset D
 Friga G; Schouman-Claes E; Bonaly A; et al: study of isotonic contrast media in intravenous digital subtraction angiography. *Invest Radiol* 1987; 22: 597
 Friga J; Bellin M-E; Laval-Jeantet M; et al: role of CT in the study of recurrences of Hodgkin's disease on the chest wall: report on 12 cases. *Eur J Radiol* 1987; 7: 229
 Friga J; Fournier C; Baud L; et al: radiation-induced lung injuries: a survey by computed tomography and pulmonary function tests in 18 cases of Hodgkin's disease. *Eur J Radiol* 1988; 8: 18
 Friloux LA III See Dieder JD
 Frimam L; Söderberg B: spleen/liver ratio in RES-scinigraphy: a comparison between posterior registration and emission computed tomography. *Acta Radiol* 1987; 28: 439
 Frincke JM See Ryan KP
 Frisch KM See Baran GW
 Fritsch S; Arieleth J; Becker HM; et al: detection of a false aneurysm in the thigh by scintigraphy: case report. *Clin Nucl Med* 1987; 12: 564
 Fritts HM See Scheilhas KP
 Fritz P See Bauer M
 Fritz SL See Mirvis SE
 Fritz SL; Chang CH; Gupta NK; et al: digital radiographic imaging system for mammography. *Invest Radiol* 1986; 21: 581
 Fritzberg AR See Eshima D
 Fritzberg AR; Kasina S; Eshima D; et al: synthesis and biological evaluation of technetium-99m MAG as a hippuran replacement. *J Nucl Med* 1986; 27: 111
 Fritz-Niggli H See Rao KR
 Fritsch T See Miszalek V
 Fritzsche P See Marotti M
 Fritzsche P: antegrade pyelography: therapeutic applications. *Radiol Clin North Am* 1986; 24: 573
 Fritzsche PJ See Rouse GA
 Fritzsche PJ: MRI of the scrotum. *Urol Radiol* 1988; 10: 52
 Fritzsche PJ; Hricak H; Kogan BA; Winkler ML; Tanagho EA: undescended testis: value of MR imaging. *Radiology* 1987; 164: 169
 Frizzell LA See Borrelli MJ
 Frizzell LA: dosage specifications for ultrasound equipment. *Ultrasound Med Biol* 1986; 12: 707
 Frizzell LA; Miller DL; Nyberg WL: ultrasonically induced intravascular streaming and thrombus formation adjacent to a microcatheter. *Ultrasound Med Biol* 1986; 12: 217
 Frizera G See Perrone T
 Froelich JW See Hagger AM
 Froelich JW See Hagger AM
 Froelich JW See Hollerman JJ
 Froelich JW See Krasicky GA
 Froelich JW: nuclear medicine imaging of inflammatory bowel disease. *Radiol Clin North Am* 1987; 25: 133
 Froisart D See Nguyen TD
 Frøkjær J See Poulsen EU
 Fromson B See Millar AB
 Fromson BH; Denison DM: quantitative features in the computed tomography of healthy lungs. (ab). *Radiology* 1988; 169: 881
 Fronczak W See Grist TM
 Fronczak W See Hyde JS
 Fronczak W See Jesmanowicz A
 Fronczak W See Kneeland JB
 Fronczak W; Jesmanowicz A; Kneeland JB; et al: counter rotating current local coils for high-resolution magnetic resonance imaging. *Magn Res Med* 1986; 3: 590
 Front A See Hardoff R
 Front A See Lorber A
 Front D See Israel O
 Front D; Grushar D; Israel O; et al: hemangioma of the tongue demonstrating a perfusion blood pool mismatch. *Clin Nucl Med* 1986; 11: 113
 Front D; Isilevsky G; Frenkel A; Even-Sapir E; Israel O; Kolodny GM; Frisud M; et al: in vivo quantitation using SPECT of radiopharmaceutical uptake by human meningiomas. *Radiology* 1987; 164: 93
 Front D; Israel O; Even-Sapir E; Frisud M; et al: superior sagittal sinus thrombosis: assessment with Tc-99m labeled red blood cells. *Radiology* 1986; 158: 453
 Front D; Israel O; Isilevsky G; et al: SPECT quantitation of cobalt-57 bleomycin delivery to human brain tumors. *J Nucl Med* 1988; 29: 187
 Front D; Israel O; Isilevsky G; Even-Sapir E; Frenkel A; Feleg H; Steiner M; Kuten A; Kolodny GM: human lung tumors: SPECT quantitation of differences in Co-57 bleomycin uptake. *Radiology* 1987; 165: 129
 From F See Kriwisky M
 From AG See Sarre RG
 From JJ See Bice AN
 From JJ: receptor localization and quantification with PET. *Radiology* 1988; 169: 273
 From RA See Fitzsimons PJ
 From RA See Jones SN
 From RA See Shorvon PJ
 From RA; Ramsdew WS; Stevenson GW: combination of endoscopic sphincterotomy and percutaneous abscess drainage in the management of complicated biliary pancreatitis. *J Canad Assoc Radiol* 1986; 37: 236
 Frost S See Egan ND
 Froud PJ See Nolan RL
 Froust AA: case of the season. *Semin Roentgenol* 1988; 23: 6
 Fruauff AA; Barasch ES; Rosenthal A: solitary myeloblastoma presenting as acute hydrocephalus: review of literature, implications for therapy. *Pediatr Radiol* 1988; 18: 369
 Frushwald FXJ; Tschlakoff D; Schwaighofer B; et al: magnetic resonance imaging of the lower vertebral column in patients with multiple myeloma. *Invest Radiol* 1988; 23: 193
 Frushwald F See Neuhold A
 Frushwald F See Schwaighofer B
 Frushwald F; Neuhold A; Seidl G; et al: sonography of the tongue and floor of mouth. part II: neoplasms of the tongue. *Eur J Radiol* 1986; 6: 108
 Frushwald F; Salomonowitz E; Neuhold A; et al: tongue cancer: sonographic assessment of tumor stage. *J Ultrasound Med* 1987; 6: 121
 Fry FA: Chernobyl reactor accident: the impact on the United Kingdom. *Br J Radiol* 1987; 60: 1147
 Fry SA See Lushbaugh CC
 Fry SM See Davis PC
 Fry SM See Mandelblatt SM
 Frye-Pierson J See Howard G
 Fu Y-S See Gordon PS
 Fu Y-S See Selch MT
 Fuchigami T See Iida M
 Fuchs C See Wexler S
 Fuchs GJ See Cochran ST
 Fuentes J See Plowman FN
 Fugazzola C See Procacci C
 Fuhrman CR See Tobben FJ
 Fuhrman CR See Yamato M
 Fuhrman CR; Gur D; Good B; et al: storage phosphor radiographs vs conventional film: interpreters' perceptions of diagnostic quality. *AJR* 1988; 150: 1011
 Fujii H See Berliner LJ
 Fujii M See Orita T
 Fujii S See Togashi K
 Fujikawa J See Hattori N
 Fujimaki E See Hiraizumi Y
 Fujimi K See Kudo M
 Fujimura N See Korogi Y
 Fujioka M See Aihara T
 Fujioka M; Ohyama N; Honda T; et al: holography of 3D surface reconstructed CT images. *JCAT* 1988; 12: 175
 Fujisawa I See Hayashi N
 Fujisawa I See Itoh K
 Fujisawa I See Minami S
 Fujisawa I See Nakano Y
 Fujisawa I See Nishimura K
 Fujisawa I See Noma S
 Fujisawa I See Togashi K
 Fujisawa I; Asato R: MR imaging findings in the posterior pituitary gland. *Radiology* 1988; 168: 282
 Fujisawa I; Asato R; Nishimura K; et al: anterior and posterior lobes of the pituitary gland: assessment by 1.5 T MR imaging. *JCAT* 1987; 11: 214

- Fujisawa I; Asato R; Nishimura K; Togashi K; Itoh K; Noma S; Sagoh T; Minami S; Nakano Y; Yonekawa Y; Torizuka K: moyamoya disease: MR imaging. *Radiology* 1987; 164: 103
- Fujisawa I; Asato R; Togashi K; et al: MR imaging of the sellar spine. *JCAT* 1988; 12: 644
- Fujisawa I; Kikuchi K; Nishimura K; Togashi K; Itoh K; Noma S; Minami S; Sagoh T; Hiraoka T; Momoi T; Mikawa H; Nakano Y; Itoh H; Konishi J: transection of the pituitary stalk: development of an ectopic posterior lobe assessed with MR imaging. *Radiology* 1987; 165: 487
- Fujisawa I; Morikawa M; Nakano Y; Konishi J: hemochromatosis of the pituitary gland: MR imaging. *Radiology* 1988; 168: 213
- Fujisawa I; Nishimura K; Asato R; et al: posterior lobe of the pituitary in diabetes insipidus: MR findings. *JCAT* 1987; 11: 221
- Fujishima M See Hida M
- Fujisue R See Tado Y
- Fujita A See Matsuda T
- Fujita A See Shimizu K
- Fujita H See Doi K
- Fujita H See Tomura N
- Fujita H; Doi K; MacMahon H; et al: basic imaging properties of a large image intensifier-TV digital chest radiographic system. *Invest Radiol* 1987; 22: 328
- Fujita K See Inoue Y
- Fujita M See Narumi Y
- Fujita M; Ishii H; Kawamoto S; et al: extensive portal-hepatic venous shunts accompanied by arterio-portal shunts. *Gastrointest Radiol* 1988; 13: 351
- Fujita T See Ohta H
- Fujiwara H See Fujiwara T
- Fujiwara T; Fujiwara H; Hamashima Y: frequency in size of coronary arterial aneurysm at necropsy in Kawasaki disease. (ab). *Radiology* 1987; 165: 884
- Fuka M See Vinitaki S
- Fukatani T See Ebisuno S
- Fukaya T See Takehara Y
- Fuks Z See Chadha M
- Fuks Z See Mandell LR
- Fukuda J See Nakajima H
- Fukuda N See Ebara M
- Fukuda T See Mori H
- Fukuda T See Nemoto Y
- Fukuda T; Ikeuchi M; Hashimoto H; et al: computed tomography of ovarian masses. *JCAT* 1986; 10: 990
- Fukuda Y; Homma T; Kohga H; et al: lung cancer case with numerous calcified metastatic nodules of the brain. *Neuroradiol* 1988; 30: 265
- Fukui K See Takahashi M
- Fukui M See Carlos R
- Fukui M See Hasuo K
- Fukunaga M See Ono S
- Fukunaga M See Otsuka N
- Fukunaga R See Handa N
- Fukushima K See Furuse M
- Fukushima T See Hayashi K
- Fukushima T See Nagata K
- Fukuya T; Kishikawa T; Ikeda J; et al: aneurysms of the peripheral portion of the anterior inferior cerebellar artery: report of two cases. *Neuroradiol* 1987; 29: 493
- Fukuyama H See Nabatame H
- Fukuzaki M See Shiota S
- Fulkerson WJ; McLendon RE; Prosnitz LR: adult respiratory distress syndrome after limited thoracic radiotherapy. (ab). *Radiology* 1986; 161: 573
- Fullerton GM See Ritchie DA
- Fuller C See Leonard JC
- Fuller C; Leonard JC: extracranial localization of technetium-99m MDP in benign cystic teratoma. *Clin Nucl Med* 1986; 11: 574
- Fuller DB; Bloom JG: radiotherapy for chordoma. *Int J Radiat Oncol Biol Phys* 1988; 15: 331
- Fuller LM See Mills MD
- Fuller LM See North LB
- Fuller LM See Vigliotti A
- Fuller LM; Hagemaster FB; North LB; et al: adjuvant role of two cycles of MOPP and low-dose lung irradiation in stage IA through IIB Hodgkin's disease: preliminary results. *Int J Radiat Oncol Biol Phys* 1988; 14: 683
- Fullerton GD See Finnin M
- Fullerton GD See Mardini IA
- Fullerton GD: magnetic resonance imaging signal concepts. *Radiographics* 1987; 7: 579
- Fulling KF See Unger EC
- Fulling KH See Fields JN
- Fulling KH See Garcia DM
- Fumoleau P See Chatal J-F
- Funaki H See Suzuki M
- Funch-Jensen P See Christiansen T
- Fung AY; Lai P; Topol EJ; et al: value of percutaneous transluminal coronary angioplasty after unsuccessful intravenous streptokinase therapy in acute myocardial infarction. (ab). *Radiology* 1987; 163: 590
- Fung CY See Stomper PC
- Funk KC See Hardy DC
- Funk KC; Siegel MJ: sonography of congenital midline brain malformations. *Radiographics* 1988; 8: 11
- Funk PJ See Graff J
- Furmanowski F See Braunschweiger PG
- Furness ME; Barbary JE; Verco PW: fetal head shape in spina bifida in the second trimester. *JCU* 1987; 15: 451
- Furo I; Bobest M; Pocisk I; et al: *in vitro* ¹H NMR "mapping" of human intervertebral discs. *Magn Res Med* 1986; 3: 146
- Furst CJ; Lundell M; Holm L-E: radiation therapy of hemangiomas, 1909-1959: a cohort based on 50 years of clinical practice at Radiumhemmet, Stockholm. *Acta Oncol* 1987; 26: 33
- Furst DE See El-Khoury GY
- Furtschegger A See Engender G
- Furtschegger A; Resch H: value of ultrasonography in preoperative diagnosis of rotator cuff tears and postoperative follow-up. *Eur J Radiol* 1988; 8: 69
- Furui S See Itai Y
- Furui S See Ohtomo K
- Furui S See Tsuchiya K
- Furui S See Yamauchi T
- Furui S; Yamauchi T; Ohtomo K; Tsuchiya K; Makita K; Takenaka E: hepatic inferior vena cava obstructions: clinical results of treatment with percutaneous transluminal laser-assisted angioplasty. *Radiology* 1988; 166: 673
- Furukawa K See Ohtomo K
- Furukawa T See Arano Y
- Furukawa T; Yamada T; Mori Y; et al: idiopathic aneurysm of inferior vena cava. CT demonstration. *JCAT* 1986; 10: 1076
- Furuse M; Saito K; Kunieda E; Aihara T; Tousei H; Ohara T; Fukushima K: bronchial arteries: CT demonstration with arteriographic correlation. *Radiology* 1987; 162: 393
- Furuta M See Aoki J
- Furuta M See Murata K
- Fushiki M See Nishimura Y
- Futagawa S See Hayashi K
- Futagawa S See Mori H
- Futterweit W See Yeh H-C
- Fyfe D See Leithiser RE Jr
- Fyfe DA; Sade RM; Gillette PC; et al: pre- and postoperative Doppler echocardiographic evaluation of anomalous left coronary artery arising from the pulmonary artery. *J Ultrasound Med* 1987; 6: 101

G

- Gabbe SG See Coleman BG
- Gabbe SG; Mintz MC; Mennuti MT; et al: detection of open spina bifida by the lemon sign: pathologic correlation. *JCU* 1988; 16: 399
- Gabbe SV See Grumbach K
- Gabert HA See Miller JM Jr
- Gabriel SE; Perry HO; Oleson GB; et al: scleromyxedema: a scleroderma-like disorder with systemic manifestations. (ab). *Radiology* 1988; 169: 591
- Gabriele OF See Willard DA
- Gabrielsen TO See Latack JT
- Gabrielsen TO See Silbergleit R
- Gabuzda DH; Hirsch MS: neurologic manifestations of infection with human immunodeficiency virus: clinical features and pathogenesis. (ab). *Radiology* 1988; 167: 591
- Gachon P See Maublant JC
- Gadacz TR See Kadlir S
- Gadeholt G See Göthlin JH
- Gadeholt G See Sands MS
- Gadeholt G; Göthlin JH: intraarterial doxorubicin infusion treatment with and without occlusion of the renal artery in rabbit renal VX-2 carcinoma: establishing an animal model. *Acta Radiol* 1987; 28: 467
- Gademann G See Semmler W
- Gadian DG; Proctor E; Williams SR; et al: neurometabolic effects of an inborn error of amino acid metabolism demonstrated *in vivo* by ¹H NMR. *Magn Res Med* 1986; 3: 150
- Gado M See Unger E
- Gado MH See Barrett L
- Gado MH See Karnaze MG
- Gado MH See Unger EC
- Gadola G See Spreafico G
- Gadoth N See Hadar H
- Gaensler EA See Jederalin PJ
- Gaensler EA See McLeod TC
- Gaensler EHL; Jeffrey RB Jr; Noonan CD: gastrobronchial fistula. an unusual complication of Nissen fundoplication. *Gastrointest Radiol* 1988; 13: 6
- Gaeta M See Pandolfo I
- Gaetani SA; Ferraris AM; D'Agosta A: case report 485. *Skeletal Radiol* 1988; 17: 298
- Gaffney CC; Dawes PJDK; Jackson D: plasmacytoma of the head and neck. *Clin Radiol* 1987; 38: 385
- Agliardi RA See Lizama VA
- Gagnadoux MF See Garel L
- Gagne GM See Garcia AM
- Gagne RM See McCrohan JL
- Gagnon M See Dufresne F
- Gahbauer H See Klein SI
- Gahbauer H See Swanson D
- Gahbauer RA: computertomographie in der strahlentherapie (computed tomography in radiation therapy). *Radiology* 1987; 162: 382
- Gahbauer RA: radiologische diagnostik und strahlentherapie maligner lymphome (radiologic diagnosis and radiation therapy of malignant lymphomas). *Radiology* 1987; 164: 648
- Gahbauer RA: spezielle strahlentherapie maligner tumoren (radiation therapy of malignant tumors). pt. 6 of vol. 19 of handbuch der medizinischen radiologie (encyclopedia of medical radiology). *Radiology* 1986; 161: 302
- Gahlen D See Roosen N
- Galliani N See Garty I
- Gaillard D See Gomes H
- Gaillard JF See Tibboel D
- Gaines PA See Jennings CM
- Gaines PA; Cumberland DC: wire-loop technique for angioplasty of total iliac artery occlusions. *Radiology* 1988; 168: 275
- Gaines PA; Reidy JF: percutaneous high brachial aortography: safe alternative to the translumbar approach. *Clin Radiol* 1986; 37: 595
- Gaines PA; Saunders AJ; Drake D: midgut malrotation diagnosed by ultrasound. *Clin Radiol* 1987; 38: 51
- Gainey MA See Fisher MC
- Gainey MA: nuclear imaging in pediatrics. *Radiology* 1986; 161: 468
- Gainey MA; Capitanio MA: recent advances in pediatric nuclear medicine. *Radiol Clin North Am* 1988; 26: 409
- Gainey MA; Siegel JA; Smegler EM; et al: indium-111-labeled white blood cells: dosimetry in children. *J Nucl Med* 1988; 29: 689
- Gaisie G See Johnson KM
- Gaisie G; Jaques PF; Mauro MA: radiologic management of fluid collections in children. *Pediatr Radiol* 1987; 17: 143
- Gaitini D; Kleinhaus U; Munichor M; et al: villous tumors of the stomach. *Gastrointest Radiol* 1988; 13: 105
- Gal R; Grenier RP; Carpenter J; et al: high count rate first-pass radionuclide angiography using a digital gamma camera. *J Nucl Med* 1986; 27: 198
- Gal R; Grenier RP; Schmidt DH; et al: background correction in first-pass radionuclide angiography: comparison of several approaches. *J Nucl Med* 1986; 27: 1480
- Gal R; Port SC: arm vein uptake of thallium-201 during exercise: incidence and clinical significance. *J Nucl Med* 1986; 27: 1353
- Gal R; Port SC: radionuclide angiography in congenitally corrected transposition of the great vessels in an adult. *J Nucl Med* 1987; 28: 116
- Galan KM; Deligonul U; Kern MJ; et al: increased frequency of restenosis in patients continuing to smoke cigarettes after percutaneous transluminal coronary angioplasty. (ab). *Radiology* 1988; 168: 886
- Galanski M See Wernecke K
- Galante M See Auffermann W
- Galbraith D See Martell E
- Gale AC; Roebuck EJ; Riley P; et al: computer aids to mammographic diagnosis. *Br J Radiol* 1987; 60: 887
- Gale DR See Gale ME
- Gale JT; Bowie JD; Mahony BS: myeloma of the testicle: sonographic appearance. *JCU* 1987; 15: 280
- Gale JT; Mahony BS; Bowie JD: sonographic features of rupture of the pregnant uterus. *J Ultrasound Med* 1986; 5: 713
- Gale JT; Mendelson DS; Cohen BA; et al: benign mixed tumor of salivary gland origin presenting as a mediastinal mass. *CT* 1986; 10: 23
- Gale ME See Johnson WC
- Gale ME See Shapiro MP
- Gale ME: anterior diaphragm: variations in the CT appearance. *Radiology* 1986; 161: 635
- Gale ME; Greif WL: intrafascial fat: CT correlation with chest radiograph. *Radiology* 1986; 160: 333
- Gale ME; Johnson WC; Gerzof SG; et al: problems in CT diagnosis of ruptured abdominal aortic aneurysms. *JCAT* 1986; 10: 637
- Gale ME; Karilinsky JB; Robins AG: bronchopulmonary lavage in pulmonary alveolar proteinosis: chest radiograph observations. *AJR* 1986; 146: 981

- Gale ME; Kiwak MG; Gale DR: pericardial fluid distribution: CT analysis, *Radiology* 1987; 162: 171
- Gale RP See Antman K
- Galeano N See Pellerier VA
- Galletta S See Grossman RI
- Galgiani JN See Yoshino MT
- Gallagher AK; Reading CC; Charboneau JW; Sheedy PF II; James EM; Gorman B; Grant CS; van Heerden JA; Teland RL: localization of pancreatic insulinoma: comparison of pre- and intraoperative US with CT and angiography, *Radiology* 1988; 166: 405
- Galicich J See Krol G
- Galkin BM: technical quality of mammography in centers participating in a regional breast cancer awareness program: reply, *Radiographics* 1988; 8: 823
- Galkin BM; Feig SA; Muir HD: technical quality of mammography in centers participating in a regional breast cancer awareness program, *Radiographics* 1988; 8: 133
- Gall CM See Wang A-M
- Gall H See Sigmund G
- Gallagher BM See Sands H
- Gallagher MJ; Brereton HD; Rostock RA; et al: prospective study of treatment techniques to minimize the volume of pelvic small bowel with reduction of acute and late effects associated with pelvic irradiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 1565
- Gallagher P See Goetting NLM
- Gallagher P; Fagan CJ; Bedi DG; et al: potential placenta previa: definition, frequency, and significance, *AJR* 1987; 149: 1013
- Gallagher S See Barton E
- Gallagher WJ See Kopans DB
- Gallant TE See Clark RA
- Galleo MS; Pulpeiro JR; Arenas A; et al: primary adenocarcinoma of the terminal ileum simulating Crohn's disease, *Gastrointest Radiol* 1986; 11: 355
- Gallegos NC See Chalmers AG
- Gallery CA See Brown BG
- Gallimore GW Jr; Harms SE: knee injuries: high-resolution MR imaging, *Radiology* 1986; 160: 457
- Gallimore GW Jr; Harms SE: selective three-dimensional MR imaging of the spine, *JCAT* 1987; 11: 124
- Gallmann WH See Sussman SK
- Galloway GJ See Bore PJ
- Galloway GJ See Buisling JM
- Galloway GJ See Doddrell DM
- Galloway GJ See Haseler LJ
- Galloway GJ See Oberhaensli RD
- Galloway GJ; Brereton IM; Brooks WM; et al: comparison of some gradient-encoded volume-selection techniques for in vivo NMR spectroscopy, *Magn Res Med* 1987; 4: 393
- Galloway JR See Pettigrew RI
- Galloway RW See Qureshi SA
- Galloway SJ See Shapiro R
- Gallus AS See Leung K
- Galon E See Libson E
- Galten A; Austin JHM: permanent subcutaneous acupuncture needles: radiographic manifestations, *J Canad Assoc Radiol* 1988; 39: 54
- Galvin EG See Uitz JA
- Galvin HB See Sickles EA
- Galvin JR See Ell SR
- Gamba JL; Woodruff WW; Djang WT; Yeates AE: craniofacial mucormycosis: assessment with CT, *Radiology* 1986; 160: 207
- Gambesia RA See Brandon JC
- Gambesia RA See Teplitz SK
- Gambhir SS See Hawkins RA
- Gambini C See Ruelle A
- Gamble JG; Rinsky LA; Strudwick J; et al: non-union of fractures in children who have osteogenesis imperfecta, (ab), *Radiology* 1988; 169: 295
- Gambro EA See Halasz NA
- Gambrell RD Jr: menopause, *Invest Radiol* 1986; 21: 369
- Gammom K See Shinnar S
- Gammom RS See Reisz GR
- Gamsu G See Aberle DR
- Gamsu G See Brown JJ
- Gamsu G See de Geer G
- Gamsu G See Im J-G
- Gamsu G See Lynch DA
- Gamsu G See McMurdo KK
- Gamsu G See Mayo JR
- Gamsu G See Milligan SA
- Gamsu G See Sakai F
- Gamsu G See Sone S
- Gamsu G See Stein MG
- Gamsu G See von Schulthess GK
- Gamsu G See Webb WR
- Gamsu G; de Geer G; Cann C; et al: preliminary study of MRI quantification of simulated calcified pulmonary nodules, *Invest Radiol* 1987; 22: 853
- Gan R See Robson N
- Ganapathi R See Iliakis G
- Gandevia B See Häschl R
- Gandon Y See Carlin M
- Gandon Y See Journal H
- Gandaman EJ See McCullough RW
- Ganel A See Salai M
- Ganem G; Girardin M-F S-M; Kuentz M; et al: venocutaneous disease of the liver after allogeneic bone marrow transplantation in man, *Int J Radiat Oncol Biol Phys* 1988; 14: 879
- Ganepola GAP See Yienpruksawan A
- Gangarosa RE See Citrin CM
- Gangarosa RE See Sherman JL
- Ganguly SK See Gupta RK
- Gannon S See Hill-Zobel RL
- Gannouni A See Ladeb MF
- Ganott MA; Klein HA: scintigraphic image of LeVein peritoneovenous shunt displacement, *Clin Nucl Med* 1986; 11: 804
- Gansow OA See Di Chiro G
- Gansow OA See Esteban JM
- Gansow OA See Frank JA
- Gansow OA See Magerstadt M
- Ganti SR; Hilal SK; Stein BM; et al: CT of pineal region tumors, *AJNR* 1986; 7: 97
- Ganz F See Boxil LM
- Ganz F See Meyerovitz MF
- Ganz F See Reagan K
- Ganz F; Abben RP; Barry WH: dynamic variations in resistance of coronary arterial narrowings in angina pectoris at rest, (ab), *Radiology* 1987; 164: 884
- Garay SM See Kramer EL
- Garay SM See Leitman BS
- Garay SM See Murray JF
- Garay SM See Naidich DP
- Garb JL See Reed WF
- Garber JR See Loeffler JS
- Garbutt P See Nicholas D
- Garcia A See Lomena F
- Garcia AM; Gagne GM; Ames IH; et al: migratory patterns of different indium-111 labeled leukocyte populations (chiefly lymphocytes) from control and thymectomized rats, *J Nucl Med* 1988; 29: 83
- Garcia C See Weisberg LA
- Garcia C; Rosenfield NS; Markowitz RJ; et al: appendicitis in children: accuracy of the barium enema, (ab), *Radiology* 1988; 168: 296
- Garcia CA; Weisberg LA; McGarry PA; et al: spontaneous hemorrhage in previously ischemic (pale) cerebral infarcts, *Comput Radiol* 1986; 10: 55
- Garcia CJ; Taylor KJW; Weiss RM: congenital megacalyces: ultrasound appearance, *J Ultrasound Med* 1987; 6: 163
- Garcia D See Rios G
- Garcia DM; Fulling KH: juvenile pilocytic astrocytoma of the cerebri in adults: distinctive neoplasm with favorable prognosis, (ab), *Radiology* 1986; 160: 573
- Garcia EV See Prigent F
- Garcia EV See Van Train KF
- Garcia EV; DePuey EG; DePasquale EE: quantitative planar and tomographic thallium-201 myocardial perfusion imaging, *Cardiovasc Intervent Radiol* 1987; 10: 374
- Garcia F See Palmaz JC
- Garcia F See Sibbitt RR
- Garcia FJ; Marti-Bonmati L; Menor F; et al: echogenic forms of hydatid cysts: sonographic diagnosis, *JCU* 1988; 16: 305
- Garcia J See Battikha JG
- Garcia J See Maynar M
- Garcia JF See Kelsey CA
- Garcia O See Palmaz JC
- Garcia O See Rees CK
- Garcia R Jr See Nokes SR
- Garcia RL See Liu H-M
- Garcia V See Egli KD
- Garcia-Cervigon E; Bien S; Laurent A; et al: treatment of a recurrent traumatic carotid-cavernous fistula: vertebro-basilar approach after surgical occlusion of the internal carotid artery, *Neuroradiol* 1988; 30: 355
- Garcia-Coll CT; Emmons L; Vohr BR; et al: behavioral responsiveness in preterm infants with intraventricular hemorrhage, (ab), *Radiology* 1988; 168: 888
- Garcia-Cuerpo E; Lovaco F; Berenguer A; et al: bone metaplasia in the urinary tract: a new radiological sign, (ab), *Radiology* 1988; 168: 588
- Garcia-Tao G See Taylor KJW
- Gardiner GA Jr See Kandarpa K
- Gardiner GA Jr See Koltun WA
- Gardiner GA Jr See Levin DC
- Gardiner GA Jr See Palmaz JC
- Gardiner GA Jr: thrombolysis of occluded arterial bypass grafts, *Cardiovasc Intervent Radiol* 1988; 11: 558
- Gardiner GA Jr; Freedman AM; Shlansky-Goldberg R: percutaneous transluminal angioplasty: delayed response in neurofibromatosis, *Radiology* 1988; 169: 79
- Gardiner GA Jr; Koltun W; Kandarpa K; et al: thrombolysis of occluded femoropopliteal grafts, *AJR* 1986; 147: 621
- Gardiner GA Jr; Meyerovitz MF; Boxil LM; et al: selective coronary angiography using a power injector, *AJR* 1986; 146: 831
- Gardiner GA Jr; Meyerovitz MF; Harrington DF: complications of transluminal angioplasty: reply, *Radiology* 1987; 162: 287
- Gardiner GA Jr; Meyerovitz MF; Stokes KR; Clouse ME; Harrington DF; Bettmann MA: complications of transluminal angioplasty, *Radiology* 1986; 159: 201
- Gardiner R See Smith C
- Gardiner R; Smith C: infective enterocolitis, *Radiol Clin North Am* 1987; 25: 67
- Gardner GA Jr See Needleman L
- Gardner GM See Gore DR
- Gardner JE See Janaki LM
- Gardner JJ See Selby JB
- Gardner KD Jr See Bernstein J
- Gardner KE; Parson JT; Mendenhall WM; et al: time-dose relationships for local tumor control and complications following irradiation of squamous cell carcinoma of the base of tongue, *Int J Radiat Oncol Biol Phys* 1987; 13: 507
- Garel I See Patriquin HB
- Garel I See Sisto A
- Garel I; Bonnard V; Barral V; et al: transplanted kidney in children: comparative value of various echographic signs of acute rejection, (ab), *Radiology* 1986; 158: 283
- Garel I; Brunelle E; Fischer A; et al: bile duct dilatation and immunodeficiency in children: report of four cases, (ab), *Radiology* 1986; 158: 283
- Garel I; Mareschal JL; Gagnadoux MF; et al: fatal outcome after ethanol renal ablation in child with end-stage kidneys, *AJR* 1986; 146: 593
- Garel LA; Belli D; Grognon A; Roy CC: percutaneous cholecystography in children, *Radiology* 1987; 165: 639
- Garfin SR; Rothman RH: case report 346, *Skeletal Radiol* 1986; 15: 72
- Garg A See Gupta SM
- Garg M; Kurzner SI; Bautista DB; et al: clinically unsuspected hypoxia during sleep and feeding in infants with bronchopulmonary dysplasia, (ab), *Radiology* 1988; 169: 887
- Gariboldi M See Cozzi G
- Gariboldi G; Saffioti S; Garlaschi G; et al: comparative effects of nonionic (iopamidol) and ionic (sodium and meglumine diatrizoate) contrast media for urography on urinary excretion of water and solutes, *Urol Radiol* 1986; 8: 199
- Gariepy G See Lafortune M
- Gariepy G See Morais J
- Garin DB See Taylor GA
- Garlaschi G See Gariboldi G
- Garman A See Hopkins A
- Garner HH See Lindberg RD
- Garrett ES See Chirakal R
- Garrett ES: atlas of positron emission tomography of the brain, *Radiology* 1986; 159: 598
- Garniak A; Feivel M; Hertz M; et al: skull x-rays in head trauma: are they still necessary? a review of 1000 cases, *Eur J Radiol* 1986; 6: 89
- Garnic JD: orderly approach: comments on the intravascular use of lasers, *Cardiovasc Intervent Radiol* 1986; 9: 318
- Garnick DW See McPhee SJ
- Garnick MB See Stomper PC
- Garra B See Shawker TH
- Garra BS See Shawker TH
- Garra BS See Zeman EK
- Garra BS; Insana MF; Shawker TH; Russell MA: quantitative estimation of liver attenuation and echogenicity: normal state versus diffuse liver disease, *Radiology* 1987; 162: 61
- Garra BS; Kurtz D; Shawker TH; et al: teaching file program for use in an ultrasound department, *J Ultrasound Med* 1986; 5: 313
- Garra BS; Shawker TH; Doppman JL; et al: comparison of angiography and ultrasound in the evaluation of the portal venous system in pancreatic carcinoma, *JCU* 1987; 15: 83
- Garrecht BM See Franko AJ
- Garrett A; Carty H; Filling D: multicystic cystic nephroma: report of three cases, *Clin Radiol* 1987; 38: 55
- Garrett JS See Dery R
- Garrett JS; Jaschke W; Aherne T; et al: quantitation of intracardiac shunts by cine-CT, *JCAT* 1988; 12: 82
- Garrett JS; Schiller NB; Botvinick EH; et al: cine-computed tomography of Ebstein anomaly, *JCAT* 1986; 10: 664
- Garrett MK: cisternographic anatomy of the posterior cranial fossa: high resolution CT and MRI study, *Radiology* 1987; 164: 52
- Garrett P; McWade M; O'Callaghan J: radiological assessment of aluminium-related bone disease, *Clin Radiol* 1986; 37: 63
- Garrett P; Pugh N; Ross D; et al: intraoperative radiation therapy for advanced or recurrent head and neck cancer, *Int J Radiat Oncol Biol Phys* 1987; 13: 785

- Garrett WJ: policy statement of the Australian Society for Ultrasound in Medicine, *Ultrasound Med Biol* 1986; 12: 714
- Garland JJ See Kim SM
- Garty I See Miron D
- Garty I; Gallati N; Platau E: bone scintigraphy in two siblings with pulmonary alveolar microlithiasis, (ab), *Radiology* 1986; 158: 570
- Garty I; Koren A: diffuse abdominal gallium-67 citrate uptake in salmonella infections, *Clin Nucl Med* 1987; 12: 872
- Garty I; Riascu J; Rosen G: demonstration of simultaneous thyroid and parathyroid adenomas, situated in the same anatomic level, *Clin Nucl Med* 1986; 11: 430
- Garvey CJ; Wilkins RA; Lewis JD: peripheral vascular disease: prospective study of intraarterial digital subtraction angiography using a 9-inch intensifier, *Radiology* 1986; 159: 423
- Garvey WT See Sebrechts C
- Garvin JH Jr See Stolar CJH
- Garvin P See Patel B
- Garwood M See Bendall MR
- Garwood M See Bogusky RT
- Gasho JA See Spontis WD
- Gash AK See Gordon FR
- Gaskin A; Wilson GD: flow cytometric evaluation of the effects of 2.3 MeV neutrons and 240 kV X rays on mouse spermatogenic S-phase cells using bromodeoxyuridine incorporation, *Br J Radiol* 1988; 61: 133
- Gaskill JW See Yorke ED
- Gaskill MF See Lukin RR
- Gaskill MF: local complications of total hip replacements, *Semin Roentgenol* 1986; 21: 3
- Gasparaitis A See Glick SN
- Gasparaitis AE See Levine MS
- Gasparovic C See Matwiyoff NA
- Gass JDM; Jallow S; Davis B: adult vitelliform macular detachment occurring in patients with basal laminar drusen, (ab), *Radiology* 1986; 158: 572
- Gastard J See Bretagne J-F
- Gastard J See Raoul J-L
- Castelli H See Ben Dridi MF
- Gaston A; Chiras J; Martin N; et al: dural arteriovenous fistulae, *J Neurosurg* 1988; 15: 160
- Gaston A; Combes C; Razavi F; et al: bilateral post-traumatic carotid-cavernous fistula: anatomico-radiological correlations in a case treated by detachable balloon, *J Neurosurg* 1986; 13: 55
- Gaston A; Marsault C; Lacaze A; et al: external magnetic guidance of endovascular catheters with a superconducting magnet: preliminary trials: experimental studies in dogs and prospects of application, *J Neurosurg* 1988; 15: 137
- Gaston MH: sickle cell disease: an overview, *Semin Roentgenol* 1987; 22: 150
- Gastorf RJ See Kirby TH
- Gatenby RA See Unger EC
- Gatenby RA; Brown TR: tumor oxygenation using direct injection of oxygenated saline, *Invest Radiol* 1987; 22: 404
- Gatenby RA; Hammond ND; Brown DQ: tumor therapy with hemiporphyrin derivative and lasers via a percutaneous fiberoptic technique: preclinical experiments, *Radiology* 1987; 163: 167
- Gatenby RA; Hartz WH; Engstrom PF; Rosenblum JS; Hammond ND; Kessler HB; Moldofsky FJ; Clair MR; Unger E; Broder GJ: CT-guided laser therapy in resistant human tumors: phase I clinical trials, *Radiology* 1987; 163: 172
- Gatenby RA; Kessler HB; Rosenblum JS; et al: oxygen distribution in squamous cell carcinoma metastases and its relationship to outcome of radiation therapy, *Int J Radiat Oncol Biol Phys* 1988; 14: 831
- Gatenby RA; Moldofsky FJ; Weiner LM: metastatic colon cancer: correlation of oxygen levels with I-131 F(ab')₂ uptake, *Radiology* 1988; 166: 757
- Gates GF: diagnosis of malignant pericardial effusion during dynamic hepatic scintigraphy, *Clin Nucl Med* 1987; 12: 173
- Gates GF: normal anatomy of the lumbosacral spine and pelvis: a correlation of SPECT and radiographic techniques, *Clin Nucl Med* 1988; 13: 327
- Gates GF; Ames AW: splenic "disappearance" during gated exercise nuclear angiocardigraphy, *Clin Nucl Med* 1986; 11: 683
- Gates GF; Noall DL: bone marrow island vs focal infection: indium-111 leukocyte imaging dilemma, *Clin Nucl Med* 1986; 11: 287
- Gates JR See Janaki LM
- Gates PC See Dion JE
- Gatwood OMB See Berkowitz JE
- Gatwood OMB See Goldman SM
- Gatwood OMB See Yousem DM
- Gatwood OMB; Fishman EK; Burrow CR; Walker WG; Goldman SM; Siegelman SS: renal vein thrombosis in patients with nephrotic syndrome: CT diagnosis, *Radiology* 1986; 159: 117
- Gáti I See Illyés M
- Gatley SJ; Brown SG; Thompson CM: rapid, inexpensive quality control of fluorine-18 2-deoxy-2-fluoro-D-glucose preparations using the hexokinase reaction in vitro, *J Nucl Med* 1988; 29: 1443
- Gatley SJ; Weas MM; Govoni PL; et al: deuterioglucose: alteration of biodistribution by an isotope effect, *J Nucl Med* 1986; 27: 388
- Gattamaneni HR See Magee BJ
- Gatter KC See Robinson M
- Gattinoni L; Pesenti A; Baglioni S; et al: inflammatory pulmonary edema and positive end-expiratory pressure: correlations between imaging and physiologic studies, *J Thorac Imag* 1988; 3-3: 59
- Gaucher A; Pere P; Bannwarth B: insufficiency fractures of the pelvis, *Clin Nucl Med* 1986; 11: 518
- Gaul JJ See Weinberger J
- Gaunt WD See Williams WV
- Gauthier F See Brun P
- Gauthier F See Suarez F
- Gauvin GP See Kaszar-Seibert DJ
- Gaux JC See Pernes JM
- Gaux JC; Vuthien H; Letienne G; et al: validation of a digital videodensitometric program analysis for measurement of left ventricular ejection fraction, *Br J Radiol* 1987; 60: 693
- Gavanti ML See Winer-Muram H
- Gavanti ML: improved guidewire immobilization technique for interventional procedures, *AJR* 1987; 149: 629
- Gavanti ML; Gold RE; Fabian TC; Tonkin IL: vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography, *Radiology* 1986; 158: 755
- Gavanti ML; Salazar JE; Ellis JV: intrarenal rupture of the abdominal aorta: CT features, *JCAT* 1986; 10: 516
- Gavanti ML; Winer-Muram HT: traumatic pulmonary artery pseudoaneurysm, *J Canad Assoc Radiol* 1986; 37: 108
- Gawehn J See Schroth G
- Gawehn J; Schroth G; Thron A: value of paraxial slices in MR-imaging of spinal cord disease, *Neuroradiol* 1986; 28: 347
- Gay BB See Thomson MA
- Gay BB Jr See Atkinson GO; Jr
- Gay F See Maillet PJ
- Gay SB; Black WC; Armstrong P; Daniel TM: chest CT of unresectable lung cancer, *Radiographics* 1988; 8: 735
- Gay WA Jr See Karwande SV
- Gayet B See Menu Y
- Gayler BW See Berkowitz JE
- Gayler BW See Zinreich SJ
- Gaylord GM See Martin LG
- Gaylord GM See Ruff RJ
- Gaylord GM See Torres WE
- Gaylord GM; Pritchard VF; Chuang VP; Casarella WJ; Sprawls P: geometry of triple-balloon dilation, *Radiology* 1988; 166: 541
- Gaylord MS; Quisell BJ; Lair ME: high-frequency ventilation in the treatment of infants weighing less than 1,500 grams with pulmonary interstitial emphysema: a pilot study, (ab), *Radiology* 1987; 165: 888
- Gayou DE See Vannier MW
- Gdal-On M See Braun J
- Geagan MB See Rowland DM
- Geake TMS: case of the month: pain in the pelvis, *Br J Radiol* 1986; 59: 943
- Geard CR; Georgason MA: glutathione levels and cytotoxicity of a thiol activated alkylating agent in human and mouse cells, *Int J Radiat Oncol Biol Phys* 1986; 12: 1179
- Gearhart JP See Nussbaum AR
- Geatti O See Wahl RL
- Gebaraki KS; Gebaraki SS; Glazer GM; Samuels BI; Francis IR: lumbosacral plexus: anatomico-radiologic-pathologic correlation using CT, *Radiographics* 1986; 6: 401
- Gebaraki SS See Gebaraki KS
- Gebaraki SS See Penner MW
- Gebaraki SS: passionate man plays his part: neuroimaging and multiple sclerosis, *Radiology* 1988; 169: 275
- Gebhardt MC See Stafford SA
- Gebhardt U See Lehner K
- Geckle WJ; Frank TL; Links JM; et al: correction for patient and organ movement in SPECT: application to exercise thallium-201 cardiac imaging, *J Nucl Med* 1988; 29: 441
- Gedgudas-McCles K See Torres WE
- Gedgudas-McCles KK See Bernardino ME
- Gedroyc WMW; Reidy JF; Saxton HM: arteriography of renal transplantation, *Clin Radiol* 1987; 38: 239
- Gedroyc WMW; Saxton HM: more medullary sponge variants, *Clin Radiol* 1988; 39: 423
- Gefter WB See Epstein DM
- Gefter WB See Glickstein MF
- Gefter WB See Gomori JM
- Gefter WB See Greene R
- Gefter WB See Kang EH
- Gefter WB See Kundel HL
- Gefter WB See Mitchell DG
- Gefter WB See Phillips ME
- Gefter WB See Rafto SE
- Gefter WB See Rao VM
- Gefter WB See Spritzer CE
- Gefter WB: chest applications of magnetic resonance imaging: an update, *Radiol Clin North Am* 1988; 26: 573
- Gefter WB; Spritzer CE; Eisenberg B; LiVolsi VA; Axel L; Velchik M; Alavi A; Schenck J; Kressel HY: thyroid imaging with high-field-strength surface-coil MR, *Radiology* 1987; 164: 483
- Gehlen W See Uhlenbrock D
- Gehrig J See Zabel H-J
- Gehring DG See Jack CR Jr
- Geiger AH See Smith JC
- Geijkes BG See Mali WPTM
- Geis JR; Russ PD; Adcock KA: computed tomography of a symptomatic infarcted thoracic lipoma, *CT* 1988; 12: 54
- Geisel T See Auffermann W
- Geisinger K See Bechtold RE
- Geisinger KR See Weidner N
- Geisinger MA See Masaryk TJ
- Geisinger MA See Risius B
- Geisinger MA; Zech MG; Risius B: recurrent pulmonary embolism after Greenfield filter placement, *Radiology* 1987; 165: 383
- Geisler FH See Gellad FE
- Geisler FH See Mirvis SE
- Geissdörfer K See Hofmann R
- Geitung UJ; Göthlin JH; Uhde A; et al: calculation of internal costs in a department of diagnostic radiology, *Eur J Radiol* 1988; 8: 181
- Gelbert M See Boliar A
- Gelb AB See Medeiros LJ
- Gelbard MK: dystrophic penile calcification in Peyronie's disease, (ab), *Radiology* 1988; 169: 289
- Gelber BR See Smith S
- Gelberman RH; Cohen MS; Shaw BA; et al: association of femoral retroversion with slipped capital femoral epiphysis, (ab), *Radiology* 1987; 163: 293
- Gelbert F See Assouline E
- Gelbert F See Dormont D
- Gelbert F; Bergvall U; Salamon G; et al: CT identification of cortical speech areas in the human brain, *JCAT* 1986; 10: 39
- Gelbert F; Reizine D; Stecken J; et al: epistaxis grave par rupture de la carotide interne dans le sinus sphenoidal; traitement endovasculaire (severe epistaxis by rupture of the internal carotid artery into the sphenoidal sinus: endovascular treatment), *J Neurosurg* 1986; 13: 163
- Gelbfish GA; Davidson AL; Kopel S; et al: relationship of estrogen and progesterone receptors to prognosis in breast cancer, (ab), *Radiology* 1988; 168: 292
- Geldenhuys EM; Lötter MG; Minnaar PC: new approach to NEMA scintillation camera count rate curve determination, *J Nucl Med* 1988; 29: 538
- Gelfand DW See Chen YM
- Gelfand DW See Ott DJ
- Gelfand DW See Zagoria RJ
- Gelfand DW: gastrointestinal radiology: a short history and predictions for the future, *AJR* 1988; 150: 727
- Gelfand DW; Chen YM; Ott DJ: colonic cleansing for radiographic detection of neoplasia: efficacy of the magnesium citrate-castor oil-cleansing enema regimen, *AJR* 1988; 151: 705
- Gelfand DW; Chen YM; Ott DJ: detection of colonic polyps on single-contrast barium enema study: emphasis on the elderly, *Radiology* 1987; 164: 333
- Gelfand DW; Chen YM; Ott DJ: multiphasic examinations of the stomach: efficacy of individual techniques and combinations of techniques in detecting 153 lesions, *Radiology* 1987; 162: 829
- Gelfand DW; Chen YM; Ott DJ: single- versus double-contrast barium studies in elderly patients: reply, *Radiology* 1988; 166: 578
- Gelfand DW; McCullough DL; Myers RT; et al: choledocholithiasis: successful treatment with extracorporeal lithotripsy, *AJR* 1987; 148: 1114
- Gelfand DW; Ott DJ: benign gastric ulcers: diagnosis and follow-up with double-contrast radiography, *Radiology* 1987; 165: 878
- Gelfand DW; Ott DJ: inadvertent pulmonary placement of feeding tubes, *Radiology* 1988; 167: 283
- Gelfand DW; Ott DJ; Chen YM: decreasing numbers of gastrointestinal studies: report of data from 69 radiologic practices, *AJR* 1987; 148: 1133

- Gelfand DW; Ott DJ; Chen YM: multiphasic examinations of the stomach: reply, *Radiology* 1987; 165: 584
- Gelfand DW; Wolfman NT; Ott DJ; et al: oral cholecystography vs gallbladder sonography: a prospective, blinded reappraisal, *AJR* 1988; 151: 69
- Gelfand MJ See Brott TG
- Gelin J See Marchal GJF
- Gellad F See Mirvis SE
- Gellad FE; Levine AM; Joslyn JN; Edwards CC; Bosse M: pure thoracolumbar facet dislocation: clinical features and CT appearance, *Radiology* 1986; 161: 505
- Gellad FE; Paul KS; Geisler FH: early sequelae of gunshot wounds to the spine: radiologic diagnosis, *Radiology* 1988; 167: 523
- Geller M See Tash RR
- Geller S See Marx M
- Geller SC See Meuli RA
- Geller SC See Tillotson CL
- Geller SC See Walker TG
- Gelmann E See Watkins EB
- Gelskey DE See LaFrance R
- Geltman EM See Rholl KS
- Gemmell HG See Sharp PF
- Gemmell HG; Sharp PF; Besson JAO; et al: differential diagnosis in dementia using the cerebral blood flow agent ^{99m}Tc HM-PAO: a SPECT study, *JCAT* 1987; 11: 398
- Genant HK See Davis CA
- Genant HK See Gillespie T III
- Genant HK See Glick C-C
- Genant HK See Lang P
- Genant HK See Reinhold W-D
- Genant HK See Sims RE
- Genant HK: bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: reply, *Radiology* 1987; 165: 290
- Genant HK; Block JE; Steiger P; et al: quantitative computed tomography in assessment of osteoporosis, *Semin Nucl Med* 1987; 17: 316
- Gendal ES See Briffman B
- Gendler S See West L
- Genex BM; Wilson MR; Houk RW; Weiland FL; Unger HR Jr; Shields NN; Rugh KS: early osteonecrosis of the femoral head: detection in high-risk patients with MR imaging, *Radiology* 1988; 168: 521
- Genex BM; Zirilli VL; Schlesinger AE; et al: case report 487, *Skeletal Radiol* 1988; 17: 306
- Genieser NB See Ambrosino MM
- Genieser NB See Hernandez-Schulman M
- Genieser NB See Rumanick WM
- Genin J See Vanel D
- Genkins SM; Tucker JA; Seigler HF; et al: biliary cystadenoma with mesenchymal stroma: CT and angiographic appearance, *JCAT* 1988; 12: 527
- Gens DR See Mirvis SE
- Gensburg RS; Kawashima A; Sandler CM: scintigraphic demonstration of lower extremity peritonitis secondary to venous insufficiency, *J Nucl Med* 1988; 29: 1279
- Gensburg RS; Wojcik WG; Mehta SD: vaginally induced pneumoperitoneum during pregnancy, *AJR* 1988; 150: 595
- Gentens P See Roodhooft AM
- Gentes CI See George AE
- Gentry LR See Biller J
- Gentry LR See Smoker WRK
- Gentry LR; Godersky JC; Thompson B: MR imaging of head trauma: review of the distribution and radiopathologic features of traumatic lesions, *AJNR* 1988; 9: 101
- Gentry LR; Godersky JC; Thompson B; et al: prospective comparative study of intermediate-field MR and CT in the evaluation of closed head trauma, *AJNR* 1988; 9: 91
- Gentry LR; Jacoby CG; Turski PA; Houston LW; Strother CM; Sackett JP: cerebellopontine angle-petromastoid mass lesions: comparative study of diagnosis with MR imaging and CT, *Radiology* 1987; 162: 513
- Gentry LR; Meneses AH; Turski PA; et al: suprasellar arachnoid cysts: 2. evaluation of CSF dynamics, *AJNR* 1986; 7: 87
- Gentry LR; Smoker WRK; Turski PA; et al: suprasellar arachnoid cysts: 1. CT recognition, *AJNR* 1986; 7: 79
- Geoffroy A; Couanet D; Montagne JP; et al: ultrasonography and computed tomography for diagnosis and follow-up of biliary duct rhabdomyosarcomas in children, *Pediatr Radiol* 1987; 17: 127
- Geoffroy A; Couanet D; Montagne JP; et al: ultrasonography and computed tomography for diagnosis and follow-up of pelvic rhabdomyosarcomas in children, *Pediatr Radiol* 1987; 17: 132
- George AE See Stylopoulos LA
- George AE; De Leon MJ; Gentes CI; et al: leukoencephalopathy in normal and pathologic imaging: 1. CT of brain lucencies, *AJNR* 1986; 7: 561
- George AE; de Leon MJ; Kalnins A; et al: leukoencephalopathy in normal and pathologic imaging: 2. MRI of brain lucencies, *AJNR* 1986; 7: 567
- George B See Gomes AS
- George B; Cophignon J; Dadsetan T; et al: radionuclide passage study in the diagnosis of osteo-dural fistulae, *J Neuroradiol* 1986; 13: 286
- George C See Carlson JW
- George E See Patel B
- George EA See Granato DB
- George EA; Salimi Z; Carney K; et al: radionuclide surveillance of the allografted pancreas, *AJR* 1988; 150: 811
- George ED See Klara PM
- George NJR: natural history of localized prostatic cancer managed by conservative therapy alone, (ab), *Radiology* 1988; 169: 882
- Georges B See Ham HR
- Georgi P; Kaps HP; Sinn HJ: leukocyte scanning of inflammatory processes in the spinal column, (ab), *Radiology* 1986; 158: 569
- Georgitis W See Asp AA
- Georgsen J See Poulsen J
- Georgsson MA See Geard CR
- Geraldes CFG; Sherry AD; Brown RD III; et al: magnetic field dependence of solvent proton relaxation rates induced by Gd^{3+} and Mn^{2+} complexes of various polyaza macrocyclic ligands: implications for NMR imaging, *Magn Res Med* 1986; 3: 242
- Gerard E; Healy ME; Hesselink JR: MR demonstration of mesencephalic lesions in osmotic demyelination syndrome (central pontine myelinolysis), *Neuroradiol* 1987; 29: 582
- Gerard G See Shabas D
- Gerard G See Weisberg LA
- Gerard G; Shabas D; Rossi D: MRI in epilepsy, *Comput Radiol* 1987; 11: 223
- Gerard G; Weisberg L: tuberous sclerosis: CT findings and differential diagnosis, *Comput Radiol* 1987; 11: 189
- Gerard PS See Zafarano S
- Gerard PS; Lefkowitz Z: optical push device: aid to the angiographer, *Cardiovasc Intervent Radiol* 1986; 9: 111
- Gerard PS; Lefkowitz Z; Golbey SH; et al: transient thoracic venous collaterals: incidental CT finding, *JCAT* 1986; 10: 75
- Gerbaulet AP See Esche BA
- Gerber A: requiem for the routine operative cholangiogram. (editorial), (ab), *Radiology* 1987; 163: 289
- Gerber C See Hodler J
- Gerber RL See Henderson SD
- Gerberding JL; Bryant-LeBlanc CE; Nelson K; et al: risk of transmitting the human immunodeficiency virus, cytomegalovirus, and hepatitis B virus to health care workers exposed to patients with AIDS and AIDS-related conditions, (ab), *Radiology* 1988; 166: 296
- Gerbi BJ See Potish RA
- Gerding DM See Bamberger DM
- Geremia GK See Ramsey RG
- Geremia GK See Russell EJ
- Geremia GK; Russell EJ; Claesen RA: MR imaging characteristics of a neurenteric cyst, *AJNR* 1988; 9: 978
- Geremia GK; Wollman R; Foust R: computed tomography of gliomatosis cerebri, *JCAT* 1988; 12: 698
- Gerlock AJ Jr See Giyanani VL
- Gerlock AJ Jr See Shah SJ
- Gerlock AJ Jr: diagnostic imaging of the liver, biliary tract and pancreas, *Radiology* 1988; 169: 404
- Gerlock AJ Jr: digital subtraction angiography in clinical practice, *Radiology* 1987; 162: 606
- Gerlock AJ Jr: digital subtraction angiography: practical aspects, *Radiology* 1986; 161: 544
- Gerlock AJ Jr: interventional real-time ultrasound, *Radiology* 1986; 159: 630
- Gerlock AJ Jr: interventional ultrasound, *Radiology* 1986; 159: 630
- Gerlock AJ Jr: introduction to vascular ultrasonography. 2d ed., *Radiology* 1987; 162: 464
- Gerlock AJ Jr: magnetic resonance annual 1988, *Radiology* 1988; 169: 764
- Gerlock AJ Jr: Mirfakhraee M: retrieval of intravascular foreign bodies, *J Thorac Imag* 1987; 2: 52
- Germain-Lacour MJ See Bret FM
- German DC See Saeed M
- Gerox W See Schölerich J
- Gerrard M; Eden OB; Merrick MV: imaging and treatment of disseminated neuroblastoma with ^{131}I -metaiodobenzylguanidine, *Br J Radiol* 1987; 60: 393
- Gerritsen GJ See Castelijns JA
- Gernell DJ See Gohagan JK
- Gernell DJ See Monsees B
- Gernell DJ See Worthington JL
- Gersh BJ See Myers WO
- Gershon CR See Rosenthal D
- Gershuni DH See Sartoris DJ
- Gerson AG; Wallace DM; Stillier RJ; et al: Doppler evaluation of umbilical venous and arterial blood flow in the second and third trimesters of normal pregnancy, (ab), *Radiology* 1988; 166: 911
- Gerson B See Ballinger JR
- Gerson MC See Liu J
- Gersonde K See Barthwal R
- Gersonde K See Kovalikova Z
- Gersonde K See Stazemiller M
- Gersten K; Pillari G; Greenpan R; et al: crossed-leg technique for digital subtraction angiography, *AJR* 1986; 146: 843
- Gerster J-C; Jaeger P; Gobelet C; et al: adult sporadic hypophosphatemic osteomalacia presenting as regional migratory osteoporosis, (ab), *Radiology* 1986; 161: 860
- Gerstley J See Haffty BG
- Gersuni GV See Tsurinikov EM
- Gerundini P See Deutsch E
- Gerundini P; Savi A; Gilardi MC; et al: evaluation in dogs and humans of three potential technetium-99m myocardial perfusion agents, *J Nucl Med* 1986; 27: 409
- Gervino EV See Jacobson AF
- Gervin L See Okunieff PG
- Gernof SG See Gale ME
- Gernof SG See Johnson WC
- Gernof SG See Shapiro MF
- Geschwind HJ; Teissie B; Bousignac G; et al: laser angioplasty of arterial stenoses, *Cardiovasc Intervent Radiol* 1986; 9: 313
- Getchell J See Lee VW
- Getterud K; Henriksen C; Pettersen S; et al: computed tomography after percutaneous renal stone extraction, *Acta Radiol* 1987; 28: 55
- Getrajdman GI; O'Toole K; Laffey KJ; et al: cystic duct occlusion and transcatheter sclerosis of the gallbladder in the rabbit, *Invest Radiol* 1986; 21: 400
- Gett M See Howman-Giles R
- Getty CJM See Stockley I
- Getty DJ; Pickett RM; D'Onsi CJ; et al: enhanced interpretation of diagnostic images, *Invest Radiol* 1988; 23: 240
- Getz TA; Evans RG: residencies in diagnostic radiology and perception of residents: 1987 A-CR² survey, *Invest Radiol* 1988; 23: 308
- Geurkink RE See Vyborny CJ
- Geusens P; Dequeker J; Verstraeten A; et al: age-, sex-, and menopause-related changes of vertebral and peripheral bone: population study using dual and single photon absorptiometry and radiogrammetry, *J Nucl Med* 1986; 27: 1540
- Geuskens R See Moro E
- Geyer CA; Sartor KJ; Frensky AJ; et al: Leigh disease (subacute necrotizing encephalomyelopathy): CT and MR in five cases, *JCAT* 1988; 12: 40
- Geyer JR; Taylor EM; Milstein JM; et al: radiation, methotrexate, and white matter necrosis: laboratory evidence for neural radioprotection with preirradiation methotrexate, *Int J Radiat Oncol Biol Phys* 1988; 15: 373
- Ghaed N See Blue PW
- Ghaed N See Hopper KD
- Ghaed N See Manier SM
- Ghaed N See Selbel DG
- Ghahremani GG See Agha FP
- Ghahremani GG See Cornwell J
- Ghahremani GG See Mann CS
- Ghahremani GG See Meiselman MS
- Ghahremani GG: complications due to inadvertent tracheobronchial placement of feeding tubes, *Radiology* 1988; 167: 875
- Ghahremani GG; Jimenez MA; Rosenfeld M; et al: CT diagnosis of occult incisional hernias, *AJR* 1987; 148: 139
- Ghahremani GG; Tsang T-K; Yaki N: complications of endoscopic gastrostomy: pneumoperitoneum and volvulus of the colon, *Gastrointest Radiol* 1987; 12: 172
- Ghailie R See Mazon J-J
- Ghanem M See Draouat S
- Gharib H See Gorman B
- Gharib M See Ebel K-D
- Ghavimi F See Mandell LR
- Ghelman B See Rubenstein DJ
- Gherlati SG; Brackmann DE; Lo WWM; et al: cholesterol granuloma of the petrous apex, (ab), *Radiology* 1986; 159: 574
- Ghidini A See Lockwood C
- Ghidini A See Romero R
- Ghidini A See Vergani P
- Ghidini A; Vergani P; Sirtori M; et al: prenatal diagnosis of subdural hygroma, *J Ultrasound Med* 1988; 7: 463
- Ghilardi PL See Solifaneili S
- Ghilarducci MJ See Hindman BW
- Ghillebert GL See Verbanck JJ
- Ghobrial MW See McVeigh MC
- Ghoda M See Mann LC
- Gholkar A See Gillespie JE
- Gholkar A See O'Keefe D
- Gholkar A; Isherwood I: three-dimensional computed tomographic reformations of intracranial vascular lesions, *Br J Radiol* 1988; 61: 258

- Gholkar A; Stack JF; Isherwood I: case report: plexiform trigeminal neurofibroma. *Clin Radiol* 1988; 39: 313
- Gholkar J; Jenkins JPR; Sekiya T: bulging eye. *Br J Radiol* 1986; 59: 1047
- Ghorayeb BY; Yeakley JW; Hall JW III; et al: unusual complications of temporal bone fractures. (ab). *Radiology* 1988; 166: 295
- Ghossain MA See Buy J-N
- Ghossain MA; Haddad SN; Aoun NJ; et al: portal and hemiazygos continuation of the inferior vena cava: report of an unusual case. *Br J Radiol* 1988; 61: 333
- Ghossain NA; Vilcoq J; Stacey P; et al: is it necessary to irradiate the breast after conservative surgery for localized cancer? (ab). *Radiology* 1988; 166: 292
- Giaccone G; Cluffreda L; Donadio M; et al: bone marrow evaluation in small cell carcinoma of the lung. *Acta Oncol* 1987; 26: 185
- Giaché V See Becciolini A
- Giachino AA; Hammond DI: relationship between oblique fractures of the medial malleolus and concomitant fractures of the anterolateral aspect of the tibial plafond. (ab). *Radiology* 1987; 164: 886
- Giacomantonio M See Fowlie F
- Giambalvo A See Ruzkowski JT
- Gianfelice D See Funtz S
- Gianfelice D; Rosenthal L; Falutz J: gallium-67 detection of occult gastric lymphoma in AIDS. *AJR* 1987; 149: 305
- Gianopoulos J; Elias SS; Simpson JL; et al: ultrasonic assessment of fetal response to second-trimester amniocentesis. (ab). *Radiology* 1986; 160: 575
- Gianturco C See Charnsangavej C
- Gianturco C See Durr G Jr
- Gianturco C See Fallon BG
- Gianturco C See Lawrence DD Jr
- Gianturco C See Roehm JOF Jr
- Gianturco C See Rollins N
- Gianturco C See Wallace MJ
- Giardiello FM See Jessurun J
- Giardiello FM See Offeraas GJA
- Gibbins DT See Gilman V
- Gibbons G See Roberts L Jr
- Gibbons R See Roberts L Jr
- Gibbons R See Thompson WM
- Gibbons RP See Bush WH
- Gibbons RP See Eusek JF
- Gibbons RP See Hafermann MD
- Gibbons RP; Cole BS; Richardson RG; et al: adjuvant radiotherapy following radical prostatectomy: results and complications. (ab). *Radiology* 1986; 159: 821
- Gibbs AR See Stephens M
- Gibby WA: MR contrast agents: an overview. *Radiol Clin North Am* 1988; 26: 1047
- Gibney RG See Ajzen SA
- Gibney RG See Becker CD
- Gibney RG See Burhenne HJ
- Gibney RG See Cooperberg PL
- Gibney RG See So CB
- Gibney RG; Cooperberg PL; Scudamore CH; Nagy AG: segmental biliary obstruction: false-negative diagnosis with direct cholangiography without US guidance. *Radiology* 1987; 164: 27
- Gibney RG; Fache JS; Becker CD; et al: Cope drainage catheter: adding side holes without cutting the retention thread. *J Canad Assoc Radiol* 1988; 39: 217
- Gibney RG; Fache JS; Becker CD; Nichols DM; Cooperberg PL; Stoller JL; Burhenne HJ: combined surgical and radiologic intervention for complicated cholelithiasis in high-risk patients. *Radiology* 1987; 165: 715
- Gibney RG; Fache JS; Burhenne HJ; et al: managing difficult common bile duct problems with the help of the interventional radiologist. *Australas Radiol* 1988; 32: 77
- Gibney RG; Hendin AP; Cooperberg PL: sonographically detected hepatic hemangiomas: absence of change over time. *AJR* 1987; 149: 953
- Gibney RG; Hicken P; Nichols DM: eosinophilic prostatitis simulating invasive prostatic carcinoma: CT appearance. *J Canad Assoc Radiol* 1988; 39: 48
- Gibney RG; Nichols DM; Osborne JC; et al: interhepatic duct: new biliary anomaly. *Gastrointest Radiol* 1987; 12: 134
- Gibson A See Miller DH
- Gibson CJ See Jago JR
- Gibson JF See Koenig SH
- Gibson JY; D'Cruz CA; Patel RB; et al: acardiac anomaly: review of the subject with case report and emphasis on practical sonography. *JCU* 1986; 14: 541
- Gibson RN See Adam A
- Gibson RN See Curati WL
- Gibson RN See Dunn GD
- Gibson RN See Finn JP
- Gibson RN See Hartnell GG
- Gibson RN See Hennessy OF
- Gibson RN See Yeung EYC
- Gibson RN: biliary endoprosthesis blockage: clearance using a 22-gauge needle (technical note). *AJR* 1986; 147: 404
- Gibson RN: suprapancreatic biliary obstruction: CT evaluation. *Radiology* 1987; 165: 875
- Gibson RN; Halliday A; Mansfield A: abdominal aortic aneurysm with perianeurysmal fibrosis: demonstration of ureteric obstruction by computerized tomography. *Australas Radiol* 1988; 32: 149
- Gibson RN; Hicks IP: new ultrasound annotation and report card system. *JCU* 1987; 15: 71
- Gibson RN; Yeung E; Thompson JN; Carr DH; Hemingway AP; Bradpiece HA; Benjamin IS; Blumgart LH; Allison DJ: bile duct obstruction: radiologic evaluation of level, cause, and tumor resectability. *Radiology* 1986; 160: 43
- Gibson TC See Mindell HJ
- Giedion A: genetic bone disease: radiologic sight and insight. *AJR* 1988; 151: 651
- Gielen JL See Oyen RH
- Gielow P See Creutzig H
- Giesbers AAGM See Kruyt RH
- Giesler BS; Kurtzberg D; Vaughan HG Jr; et al: trimodal evoked potentials compared with magnetic resonance imaging in the diagnosis of multiple sclerosis. (ab). *Radiology* 1987; 164: 887
- Giesler BS; Kurtzberg D; Vaughan HG Jr; et al: trimodal evoked potentials compared with magnetic resonance imaging in the diagnosis of multiple sclerosis. (ab). *Radiology* 1987; 165: 590
- Giger ML See Doh K
- Giger ML See MacMahon H
- Gikas PW See Quint LE
- Gilbert R See Ayuso MC
- Gilani S See Fiel RJ
- Gilardi MC See Gerundini P
- Gilbert BR; Cerqueira MD; Vea HW; Nelp WB: indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoneuromas. *Radiology* 1986; 158: 761
- Gilbert BR; Riehle RA; Vaughan ED Jr: extracorporeal shock wave lithotripsy and its effect on renal function. (ab). *Radiology* 1988; 168: 885
- Gilbert D See Toonkel LM
- Gilbert JJ See Noseworthy JH
- Gilbert JJ See O'Brien JT
- Gilbert LA; Park YS; Allyn MC: partial biliary obstruction due to adenomyoma of the terminal common bile duct. *Clin Nucl Med* 1986; 11: 216
- Gilbert MS See Hermann G
- Gilbert PM See Horejs D
- Gilbert RW; Cullen RJ; van Nostrand P; et al: prognostic significance of thyroid gland involvement in laryngeal carcinoma. (ab). *Radiology* 1987; 163: 839
- Gilbert SA See Keefe EB
- Gilbert T See Brown JJ
- Gilbert TJ See Hrick H
- Gilbert TJ; Parker BR: juvenile xanthogranuloma of the kidney. *Pediatr Radiol* 1988; 18: 169
- Gilbert WM See Campbell J
- Gilbert WM; Nicolaides KH: fetal omphalocele: associated malformations and chromosomal defects. (ab). *Radiology* 1988; 166: 910
- Gilbertson V See Worthen NJ
- Gilbertson V; Oates E: gallium-67 imaging of unsuspected cerebral toxoplasmosis in AIDS. *Clin Nucl Med* 1988; 13: 679
- Gilchrist AM See Levine MS
- Gilchrist AM; Laird JD; Ferguson WR: what is the significance of the abnormal oesophageal scintigram? *Clin Radiol* 1987; 38: 509
- Gilchrist AM; Levine MS; Carr RF; et al: Barrett's esophagus: diagnosis by double-contrast esophagography. *AJR* 1988; 150: 97
- Gilday DL See Pham DH
- Gilday DL See Schaub T
- Gildemyn G See Kerschot EAJ
- Giles GM; Brady LW: ¹²⁵Iodine implantation after lymphadenectomy in early carcinoma of the prostate. *Int J Radiat Oncol Biol Phys* 1986; 12: 2117
- Gilford J See Dick R
- Gilhome RW See Flook D
- Gilinsky NH; Novis BF; Wright JP; et al: immunoproliferative small-intestinal disease: clinical features and outcome in 30 cases. (ab). *Radiology* 1988; 167: 883
- Gilkey FW See Kransdorf MJ
- Gilkey SH: case of the season. *Semin Roentgenol* 1987; 22: 85
- Gill CC See Detrano R
- Gill D See Rosai RP
- Gill F See Zimmerman RA
- Gill FM See Poncz M
- Gill G See Pathria M
- Gill JB; Miller DD; Boucher CA; et al: clinical decision making: dipyrindamole thallium imaging. *J Nucl Med* 1986; 27: 132
- Gill JB; Moore RH; Tamaki N; et al: multigated blood-pool tomography: new method for the assessment of left ventricular function. *J Nucl Med* 1986; 27: 1916
- Gill PS See Burkes RL
- Gill RW See Robinson DE
- Gill VJ See Smith PD
- Gilland DR; Tsui BMW; McCartney WH; et al: determination of the optimum filter function for SPECT imaging. *J Nucl Med* 1988; 29: 643
- Gillen GJ; Hilditch TE; Elliott AT: nonisotropic point spread function as a result of collimator design and manufacturing defects. *J Nucl Med* 1988; 29: 1096
- Gillen GJ; McKillop JH; Hilditch TE; et al: digital filtering of the bladder in SPECT bone studies of the pelvis. *J Nucl Med* 1988; 29: 1587
- Gillenwater JY See Jenkins AD
- Gillenwater JY See Kellum CD
- Gillenwater JY See Tegtmeyer CJ
- Gilles FH See Bird CR
- Gilles FH See Calvy TM
- Gillespie B See Scott R
- Gillespie BW See Maor MH
- Gillespie BW; Diamond JJ; Davis LW; et al: outcome study of the RTOG Cancer Control program. *Int J Radiat Oncol Biol Phys* 1986; 12: 2157
- Gillespie JE; Adams JE; Isherwood I: three-dimensional computed tomographic reformations of sellar and parasellar lesions. *Neuroradiol* 1987; 29: 30
- Gillespie JE; Gholkar A; Gupta S: gallbladder visualization following pediatric cardioangiography with Hexabrix. (ab). *Radiology* 1986; 158: 575
- Gillespie JE; Isherwood I: three-dimensional anatomical images from computed tomographic scans. *Br J Radiol* 1986; 59: 289
- Gillespie JE; Isherwood I; Barker GR; et al: three-dimensional reformations of computed tomography in the assessment of facial trauma. *Clin Radiol* 1987; 38: 523
- Gillespy T See Petterson H
- Gillespy T III See Bush CH
- Gillespy T III See Heare MM
- Gillespy T III See Helms CA
- Gillespy T III See Petterson H
- Gillespy T III See Richardson ML
- Gillespy T III; Genant HK; Helms CA: magnetic resonance imaging of osteonecrosis. *Radiol Clin North Am* 1986; 24: 193
- Gillespy T III; Helms CA: oblique head position in temporomandibular joint arthrography. *Radiology* 1986; 158: 541
- Gillespy T III; Manfrini M; Ruggieri P; Spanier SS; Peterson H; Springfield DS: staging of intraosseous extent of osteosarcoma: correlation of preoperative CT and MR imaging with pathologic macrodissection. *Radiology* 1988; 167: 765
- Gillespy T III; Stork JJ; Dell PC: dorsal fracture of the hamate: distinctive radiographic appearance. *AJR* 1988; 151: 351
- Gillet W See Reasbeck J
- Gillette EL See Ahmadu-Suka F
- Gillette EL See Hoopes PJ
- Gillette EL See McClesney SL
- Gillette EL See Powers BE
- Gillette EL; McClesney SL; Dewhirst MW; et al: response of canine oral carcinomas to heat and radiation. *Int J Radiat Oncol Biol Phys* 1987; 13: 1861
- Gillette PC See Fyfe DA
- Gilliland JD See Brown SB
- Gilliland JD See Chasen MH
- Gillin MT See Niroomand-Rad A
- Gillin MT See Prows J
- Gillis DA See Belcourt CL
- Gillis P; Koenig SH: transverse relaxation of solvent protons induced by magnetized spheres: application to ferritin, erythrocytes, and magnetite. *Magn Res Med* 1987; 5: 323
- Gilmore IT See Mendelson RM
- Gilsanz V See Boechat MI
- Gilsanz V See Diamant MJ
- Gilsanz V See Donaldson JS
- Gilsanz V See Vachon L
- Gilsanz V; Emons D; Hansmann M; Meradji M; Donaldson JS; Omenaca F; Quero J; Tucker BL: hydrothorax, ascites, and right diaphragmatic hernia. *Radiology* 1986; 158: 243
- Gilsanz V; Gibbens DT; Roe TF; Carlson M; Senac MO; Boechat MI; Huang HK; Schulz EE; Libanati CR; Cann CC: vertebral bone density in children: effect of puberty. *Radiology* 1988; 166: 847
- Gilson JC See Coutts II
- Gilula LA See Adler SJ
- Gilula LA See Biondetti PR
- Gilula LA See Katz ME
- Gilula LA See Keyser CK
- Gilula LA See Reinius WR
- Gilula LA See Solomon MA

- Gilula LA See Strecker W
 Gilula LA See Unger EC
 Gilula LA See Wilson AJ
 Gilula LA See Wu AC
 Gilula LA; Hardy DC; Totty WG: distal radioulnar joint arthrography, *AJR* 1988; 150: 864
 Gilula LA; Hardy DC; Totty WG; et al: fluoroscopic identification of torn intercarpal ligaments after injection of contrast material, *AJR* 1987; 149: 761
 Gimenez MH; Beltran JVT; Segui MIF; et al: tuberculosis of the patella, *Pediatr Radiol* 1987; 17: 328
 Gimlette TMD; Brownless SM; Taylor WH; et al: limits to parathyroid imaging with thallium-201 confirmed by tissue uptake and phantom studies, *J Nucl Med* 1986; 27: 1262
 Ginali AZ: clinical use of Hexabrix for radiological evaluation of leakage from the upper gastrointestinal tract based on experimental study, *Br J Radiol* 1987; 60: 343
 Ginali AZ: experimental evaluation of various available contrast agents for use in the gastrointestinal tract in case of suspected leakage: effects on pleura, *Br J Radiol* 1986; 59: 887
 Ginaldi S: cholangiocarcinoma arising in a choledochal cyst: diagnostic value of computed tomography and ultrasonography, *Gastrointest Radiol* 1987; 12: 212
 Ginaldi S: malignant lymphoma in Hashimoto thyroiditis: CT appearance, *JCAT* 1986; 10: 1071
 Ginaldi S: post-traumatic splenic hematoma hidden by an overdistended stomach: use of nasogastric to avoid pitfalls, *Comput Radiol* 1987; 11: 203
 Gingold BS See Barone JE
 Gini A; Sangar V; Malley M; et al: focusing on peripartum cardiomyopathy using radionuclide cardiac imaging, *Clin Nucl Med* 1987; 12: 941
 Ginjume M; Casey M; Barker F; et al: comparison between four simple methods for measuring glomerular filtration rate using technetium-99m DTPA, *Clin Nucl Med* 1986; 11: 647
 Ginnman C See Pahlman L
 Ginos JZ; Cooper AJL; Dhawan V; et al: [¹²⁵I]cisplatin PET to assess pharmacokinetics of intra-arterial versus intravenous chemotherapy for malignant brain tumors, *J Nucl Med* 1987; 28: 1844
 Ginsberg F See Feyster RG
 Ginsberg F; Feyster RG; Hoover ED; et al: isolated cerebral mucormycosis: case report with CT and pathologic correlation, *AJNR* 1987; 8: 558
 Ginsberg F; Feyster RG; Rose WS; et al: sixth nerve schwannoma: MR and CT demonstration, *JCAT* 1988; 12: 482
 Ginsberg F; Rosenberg RJ; Sziklas JJ; et al: varied appearance of cardiac pseudoaneurysms on blood pool images, *Clin Nucl Med* 1987; 12: 430
 Ginsberg F; Slavin JD Jr; Spencer RP: hepatic angiosarcoma: mimicking of angioma on three-phase technetium-99m red blood cell scintigraphy, *J Nucl Med* 1986; 27: 1861
 Ginsberg F; Sziklas JJ; Spencer RP: abdominal crisis with "absent" spleen, *Clin Nucl Med* 1987; 12: 328
 Ginsberg F; Sziklas JJ; Spencer RP; et al: delay in renal perfusion due to elongated vascular graft, *Clin Nucl Med* 1987; 12: 233
 Ginsberg HN See Swayne LC
 Ginsberg HN; Swayne LC: three-phase bone scanning in chronic myelogenous leukemia, *Clin Nucl Med* 1987; 12: 823
 Ginsberg HN; Swayne LC; Peron DL; et al: bilateral temporal bone involvement with eosinophilic granuloma, *Comput Med Imag Graph* 1988; 12: 107
 Ginsberg L See Clifton AG
 Ginsberg RJ See Poon PY
 Ginsberg RJ See Rice TW
 Ginsburg A See Swayne LC
 Ginsburg AP: visualization of diagnostic images, *Radiographics* 1987; 7: 1251
 Ginston LE; Conant R; Brizendine M; et al: quantitative analysis of segmental wall motion during maximal upright dynamic exercise: variability in normal adults, (ab), *Radiology* 1986; 160: 287
 Giomarelli PP; Chiara O; Borrelli E; et al: early diagnosis of adult respiratory distress syndrome: an experimental model of complement-mediated pulmonary injury, *J Thorac Imag* 1988; 3: 15
 Giorgio A; Amoroso P; Fico P; et al: ultrasound evaluation of uncomplicated and complicated acute viral hepatitis, *JCU* 1986; 14: 675
 Giorgio A; Amoroso P; Franchia G; et al: echographic percutaneous puncture: a safe and valuable therapeutic tool for amebic liver abscess, *Gastrointest Radiol* 1988; 13: 336
 Giorgio A; Amoroso P; Lettieri G; Fico P; de Stefano G; Finelli L; Scala V; Taramino L; Pierri P; Fesce G; Cirrioni: value of caudate to right lobe ratio in diagnosis with US, *Radiology* 1986; 161: 443
 Giovannetti M See Petterson H
 Giovannetti MJ See Hawkins JS
 Gips S See Hardoff R
 Gips S See Israel O
 Gips S; Israel O: scintigraphic detection of bleeding after transfemoral arteriography, using technetium-99m labeled RBCs, *Clin Nucl Med* 1986; 11: 669
 Girard P See Musset D
 Girard P; Mathieu M; Simonneau G; et al: recurrence of pulmonary embolism during anticoagulant treatment: a prospective study, (ab), *Radiology* 1988; 167: 294
 Girardin M-F S-M See Ganem G
 Girdwood TG See Arfeen S
 Giris N See Meyer K
 Girinski T See Cosnet JM
 Girinski T; Leclerc J; Pejovic MH; et al: prospective comparison of ultrasound and computed tomography in the evaluation of the size of the uterus: can these methods be used for intracavitary treatment planning of carcinoma of the uterus?, *Int J Radiat Oncol Biol Phys* 1987; 13: 789
 Giron ME See Di Chiro G
 Giron ME See Doppman JL
 Giron ME See Frank JA
 Giron ME See Miller DL
 Givold JJ; Brown LR; Sweet RG; et al: comparison of mammography and transillumination light scanning in the detection of breast lesions, *AJR* 1986; 147: 191
 Gitelis S See Petasnick JP
 Gitlin JD; Soll RF; Parod RB; et al: randomized controlled trial of exogenous surfactant for the treatment of hyaline membrane disease, (ab), *Radiology* 1987; 164: 295
 Gitlin JN: telemedicine, *Radiol Clin North Am* 1986; 24: 55
 Gitterman MM See Biggs JP
 Giuliani BB; Chang CCN; Yoss BS: prenatal ultrasonographic diagnosis of fetal adrenal neuroblastoma, *JCU* 1986; 14: 225
 Giuliani ER See King RM
 Giuntini C; Pistolesi M; Miniati M; et al: theoretical and practical considerations of measuring extravascular lung water, *J Thorac Imag* 1988; 3: 36
 Giuseppe G See Solbiati L
 Giyanani VI See McClellan RL
 Giyanani VI See Weissman J
 Giyanani VI; Gerlock AJ Jr; Mirfakhraee M; et al: duplex sonography in embolotherapy of external carotid artery traumatic aneurysms, *AJNR* 1987; 8: 1131
 Giyanani VI; Jackson MK; Gerlock AJ Jr; et al: omental cyst mimicking the gallbladder, *JCU* 1986; 14: 131
 Giyanani VI; Meyers PC; Wolfson JJ: mesenchymal hamartoma of the liver: computed tomography and ultrasonography, *JCAT* 1986; 10: 51
 Gjølberg T See Jørgensen JJ
 Gjølberg T See Stordahl A
 Gjorup T See Kelback H
 Gjorup T; Agner E; Jensen LB; et al: accuracy of radiologic and endoscopic diagnosis of gastric ulcer, *Acta Radiol* 1987; 28: 421
 Gjorup T; Nielsen H; Jensen LB; et al: interobserver variation in the radiographic diagnosis of duodenal ulcer disease, *Acta Radiol* 1986; 27: 41
 Gladisch R See Schlauch D
 Gladman DD; Bombardier C: sickle cell crisis following intraarticular steroid therapy for rheumatoid arthritis, (ab), *Radiology* 1988; 167: 295
 Gladstone AG See Palestro CJ
 Glaholm J See Westbrook C
 Glaholm J; Harmer C: soft-tissue sarcoma: neutrons versus photons for post-operative irradiation, *Br J Radiol* 1988; 61: 829
 Glant TT; Mikecz K; Arzoumanian A; et al: proteoglycan-induced arthritis in BALB/c mice: clinical features and histopathology, (ab), *Radiology* 1987; 164: 886
 Glanville AR; Baldwin JC; Burke CM; et al: obliterative bronchiolitis after heart-lung transplantation: apparent arrest by augmented immunosuppression, (ab), *Radiology* 1988; 167: 586
 Glanz S See Gordon DH
 Glanz S See Kantor A
 Glanz S See Klein J
 Glanz S See Sclafani SJA
 Glanz S; Gordon DH: utility of foot venography as part of the routine lower-extremity venogram: prospective study, *Cardiovasc Intervent Radiol* 1986; 9: 15
 Glanz S; Gordon DH; Butt KMH; et al: role of percutaneous angioplasty in the management of chronic hemodialysis fistulas, (ab), *Radiology* 1988; 168: 294
 Glanz S; Gordon DH; Lipkowitz GS; Butt KMH; Hong J; Sclafani SJA: axillary and subclavian vein stenosis: percutaneous angioplasty, *Radiology* 1988; 168: 371
 Glanz S; Gordon DH; Sclafani SJA: percutaneous coil embolization in the management of peripheral mycotic aneurysms, *Cardiovasc Intervent Radiol* 1987; 10: 198
 Glanz S; Laungani GB; Gordon DH; et al: percutaneous removal of renal caliceal calculi: alternative approach, *Urol Radiol* 1986; 8: 40
 Glaser AM; Chen DCP; Siegel ME: hepatic photopenia in gallium imaging, *Clin Nucl Med* 1988; 13: 502
 Glaser B; Scheinfeld M; Benmair J; et al: magnetic resonance imaging of the pituitary gland, *Clin Radiol* 1986; 37: 9
 Glasier CM See Brown SB
 Glasier CM See Hassel DR
 Glasier CM See Williamson SL
 Glasier CM; Ascher DP; Williams KD: incidental paranasal sinus abnormalities on CT of children: clinical correlation, *AJNR* 1986; 7: 861
 Glasier CM; Seibert JJ; Williamson SL: cerebral infarction in child abuse: diagnosis by technetium-99m methylene diphosphonate skeletal scintigraphy, *Clin Nucl Med* 1987; 12: 897
 Glasier CM; Seibert JJ; Williamson SL: gamut of increased whole bone activity in bone scintigraphy in children, *Clin Nucl Med* 1987; 12: 192
 Glasier CM; Seibert JJ; Williamson SL; et al: high resolution ultrasound characterization of soft tissue masses in children, *Pediatr Radiol* 1987; 17: 233
 Glass EC; Rahimian J; Hines HH: effect of region of interest selection on first-pass radionuclide cardiac output determination, *J Nucl Med* 1986; 27: 1282
 Glass JP; Lee Y-Y; Bruner J; et al: treatment-related leukoencephalopathy: study of three cases and literature review, (ab), *Radiology* 1987; 162: 589
 Glass P See Taylor GA
 Glass RB; Fernbach SK: case report: ectopia cordis and the radiographic changes of a new surgical repair technique, *Clin Radiol* 1987; 38: 443
 Glass RBJ See Fernbach SK
 Glass RBJ See Schlesinger AE
 Glass RBJ; Poznanski AK; Fisher MR; et al: MR imaging of osteoid osteoma, *JCAT* 1986; 10: 1065
 Glass RBJ; Poznanski AK; Young S; et al: Gaucher disease of the liver: CT appearance, *Pediatr Radiol* 1987; 17: 417
 Glass TA See Velasquez G
 Glasberg KI See Mazzacappa PM
 Glascock ME; Kveto J; Jackson CG; et al: systematic approach to the surgical management of acoustic neuroma, (ab), *Radiology* 1987; 164: 887
 Glassman LM See Reynolds T
 Glassman MS See Mahboubi S
 Glass-Royal M See Green CE
 Glass-Royal MC; Choyke PL; Goetsberg JE; et al: sonography in the diagnosis of neuropenic colitis, *J Ultrasound Med* 1987; 6: 671
 Glatt HJ See Barrett L
 Glaubiger D See Mazeron J-J
 Graves J See Davies P
 Glazer AU See Swartz JD
 Glazer GM See Adler DD
 Glazer GM See Aisen AM
 Glazer GM See Alpern MB
 Glazer GM See Alterman DD
 Glazer GM See Amendola MA
 Glazer GM See Baker DE
 Glazer GM See Borello JA
 Glazer GM See Bree RL
 Glazer GM See Bresler EL
 Glazer GM See Buckwalter KA
 Glazer GM See Francis IR
 Glazer GM See Gebarski KS
 Glazer GM See Gross BH
 Glazer GM See Heavey LR
 Glazer GM See Jasinski RW
 Glazer GM See Lande IM
 Glazer GM See Li KC
 Glazer GM See Mattison GR
 Glazer GM See Mountz JM
 Glazer GM See Platt JF
 Glazer GM See Quint LE
 Glazer GM See Vahay TN
 Glazer GM: MR imaging of the liver, kidneys, and adrenal glands, *Radiology* 1988; 166: 303
 Glazer GM; Aisen AM; Francis IR; et al: evaluation of focal hepatic masses: comparative study of MRI and CT, *Gastrointest Radiol* 1986; 11: 263
 Glazer GM; Francis IR; Quint LE: imaging of the adrenal glands, *Invent Radiol* 1988; 23: 3
 Glazer GM; Orringer MB; Chenevert TL; Borello JA; Fenner MW; Quint LE; Li KC; Aisen AM: mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, *Radiology* 1988; 168: 429

- Glazer GM; Woolsey EJ; Borrello J; Francis IR; Aisen AM; Bookstein FL; Amendola MA; Gross MD; Bree RL; Martel W: adrenal tissue characterization using MR imaging. *Radiology* 1986; 158: 73
- Glazer HS See Aronberg DJ
- Glazer HS See Chang A
- Glazer HS See Greene R
- Glazer HS See Katz ME
- Glazer HS See Lee JKT
- Glazer HS See Ling D
- Glazer HS See Rholl KS
- Glazer HS See St. Amour TE
- Glazer HS See Siegel MJ
- Glazer HS See Tobler J
- Glazer HS See Unger EC
- Glazer HS See Worthington JL
- Glazer HS; Aronberg DJ; Sagel SS; et al: CT demonstration of calcified mediastinal lymph nodes: guide to the new ATS classification. *AJR* 1986; 147: 17
- Glazer HS; Lee JKT: adrenal gland: MR imaging: reply. *Radiology* 1988; 166: 285
- Glazer HS; Niemeyer JH; Balfé DM; Devineni VR; Emami B; Hayden RE; Aronberg DJ; Levitt RG; Ward MF; Sagel SS; Lee JKT: neck neoplasms: MR imaging. part I. initial evaluation. *Radiology* 1986; 160: 343
- Glazer HS; Niemeyer JH; Balfé DM; Hayden RE; Emami B; Devineni VR; Levitt RG; Aronberg DJ; Ward MF; Sagel SS; Lee JKT: neck neoplasms: MR imaging. part II. posttreatment evaluation. *Radiology* 1986; 160: 349
- Glazier MC See Boyko OB
- Gleaves M See Johnson HW
- Gleich P See Cass AS
- Glenn BJ See Bradley WG
- Glenthøj A See Karstrup S
- Glick AG See Tarr RW
- Glick J See Fowble B
- Glick JH See Glover D
- Glick RP See Bárány M
- Glick SJ See King MA
- Glick SN See Brandon JC
- Glick SN See Harding JA
- Glick SN See Rubenstein SE
- Glick SN See Schwab FJ
- Glick SN: Crohn's disease of the small intestine. *Radiol Clin North Am* 1987; 25: 25
- Glick SN; Levine MS; Teplitz SK; Gasparaitis A: splenic penetration by benign gastric ulcer: preoperative recognition with CT. *Radiology* 1987; 163: 637
- Glick SN; Maglinte DDT; Herlinger H: association of Meckel's diverticulum and Crohn's disease. *Gastrointest Radiol* 1988; 13: 67
- Glick SN; Teplitz SK; Levine MS; Caroline DF: gastric cardia metastasis in esophageal carcinoma. *Radiology* 1986; 160: 627
- Glick SN; Teplitz SK; Ross WM: colonic lymphoid follicles associated with colonic neoplasms. *Radiology* 1988; 168: 603
- Glick SN; Teplitz SK; Whiteman MS; Haskin PH: small intestine ischemia simulating primary colonic disease. *Radiology* 1987; 164: 43
- Glickerman DJ; Kowdley KV; Rosch J: urokinase in gastrointestinal tract bleeding. *Radiology* 1988; 168: 375
- Glickman M See Green DF
- Glickman MG See Greenwood LH
- Glickman MG See Morse SS
- Glickman MG See Riggsby CM
- Glickman MG See Warshawer DM
- Glickstein M See Allen KS
- Glickstein M; Kornstein MJ; Pietra GG; et al: nonlymphomatous lymphoid disorders of the lung. *AJR* 1986; 147: 227
- Glickstein MF See Conant EF
- Glickstein MF; Burk DL Jr; Schiebler ML; Cohen EK; Dalinka MK; Steinberg ME; Kressel HY: avascular necrosis versus other diseases of the hip: sensitivity of MR imaging. *Radiology* 1988; 169: 213
- Glickstein MF; Gelfer WB; Law D; et al: esophageal mucocoele after surgical isolation of the esophagus. *AJR* 1987; 149: 729
- Glickstein MF; Haggard AM; Coleman BG: vascular and soft tissue calcification in systemic oxalosis: CT diagnosis. *JCAT* 1986; 10: 691
- Glickstein MF; Miller WT; Dalinka MK; Lally JF: paraspinal lipomatosis: benign mass. *Radiology* 1987; 163: 79
- Glickstein MF; Neustadter L; Dalinka MK; et al: periosteal reaction in systemic lupus erythematosus. *Skeletal Radiol* 1986; 15: 610
- Glickstein MF; Velchik MG: gallium uptake in cutaneous sarcoidosis. *Clin Nucl Med* 1986; 11: 119
- Glimelius B See Goldman S
- Glimelius B See Nymen R
- Glimelius B See Pahlman L
- Glimelius B; Pahlman L: radiation therapy of anal epidermoid carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 305
- Glinch J See Kasner JR
- Glocheski SK See Ritchie WW
- Glorioso LW III See Lang EK
- Glover D; Glick JH; Weiler C; et al: phase I/II trials of WR-2721 and cis-platinum. *Int J Radiat Oncol Biol Phys* 1986; 12: 1509
- Glover D; Trump D; Kvols L; et al: phase II trial of misonidazole (MISO) and cyclophosphamide (CYC) in metastatic renal cell carcinoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 1405
- Glover DJ See Shaw LM
- Glover DJ See Tarrisi AT III
- Glover G See Uitz JA
- Glover GH See Edelstein WA
- Glover GH See Porman WH
- Glovicki P See Vaqueiro M
- Glowalla M: residual masses after successful chemotherapy for testicular carcinoma. *AJR* 1986; 146: 1184
- Glowinski JV See Salam M
- Gluck CL See Bundy AL
- Gluck WL See Kelvin FM
- Gluck WL; Akwari OE; Kelvin FM; et al: reversible enteropathy complicating continuous hepatic artery infusion chemotherapy with 5-fluoro-2-deoxyuridine. (ab). *Radiology* 1986; 159: 570
- Gluckert K See Tyrrell RL
- Glüer C-C; Reiser UJ; Davis CA; et al: vertebral mineral determination by quantitative computed tomography (QCT): accuracy of single and dual energy measurements. *JCAT* 1988; 12: 242
- Glüer C-C; Steiger P; Genant HK: validity of dual-photon absorptiometry. *Radiology* 1988; 166: 574
- Gmelin E; Rinast E: translumbar catheter angiography with a needle-sheath system. *Radiology* 1988; 166: 888
- Gmelin E; Weiss HD; Buchmann F: cardiac gating in intravenous DSA. *Eur J Radiol* 1988; 6: 24
- Gmitro A See Majumdar S
- Go KG See Kamman R-L
- Gobelet C See Gerster J-C
- Gober JR See Matson GB
- Gobien RP See Stanley JH
- Gobien RP See Stanley JM
- Gobien RP See Vujic I
- Göblyös P; Kaszás I; Székely L; et al: intracystic tumour of the male breast: case report. *Eur J Radiol* 1987; 7: 279
- Göblyös P; Szüle E Jr: liquid crystal thermography in the localization of undescended testicles. *Eur J Radiol* 1987; 7: 266
- Gochoco JM See Ziesman HA
- Godart G; Durex M; Bevilacqua M; et al: technetium-99m MDP vs technetium-99m diphosphonate: clinical comparison in various pathologic conditions. *Clin Nucl Med* 1986; 11: 92
- Godard D See Tanabe M
- Godard P; Henson J; Davies ER: pleural effusion causing unmatched ventilation defects in ventilation and perfusion scanning. *Clin Radiol* 1986; 37: 285
- Godard-Finegold J; Armstrong DL: reduction in incidence of periventricular, intraventricular hemorrhages in hypertensive newborn beagles pretreated with phenobarbital. (ab). *Radiology* 1987; 165: 888
- Godden D See Jones DK
- Godden DJ See Aitken AGF
- Godensky JC See Gentry LR
- Godensky JC See Smoker WRK
- Godine L See Janus C
- Godiwala T See Varma DGK
- Godlewski G; Bourgeois JM; Sambuc P; et al: ultrasonic and histopathological correlations of deep focal hepatic lesions induced by stereotactic Nd-YAG laser applications. *Ultrasound Med Biol* 1988; 14: 287
- Godlewski J See Clavier E
- Godon JP See Chachati A
- Godoy J; Mathog RH: malar fractures associated with exophthalmos. (ab). *Radiology* 1986; 158: 285
- Godwin JD See Foster WL Jr
- Godwin JD See Khoury MB
- Godwin JD See Kier R
- Godwin JD See MacGregor JH
- Godwin JD See Silverman PM
- Godwin JD See Takasugi JE
- Godwin JD; Chen JTT: thoracic venous anatomy. *AJR* 1986; 147: 674
- Godwin JD; MacGregor JH: extension of ascites into the chest with hiatal hernia: visualization on CT. *AJR* 1987; 148: 31
- Godwin JD; Müller NL; Takasugi JE: pulmonary alveolar proteinosis: CT findings. *Radiology* 1988; 169: 609
- Godwin JD; Tarver RD: scimitar syndrome: four new cases examined with CT. *Radiology* 1986; 159: 15
- Godwin JD; Tarver RD: scimitar syndrome: four new cases examined with CT: reply. *Radiology* 1987; 162: 581
- Godwin JD; Tolentino CS: thoracic cardiovascular trauma. *J Thorac Imag* 1987; 2: 32
- Goebel N See Franze I
- Goebel N See Jenni R
- Goebel N See von Schulthess GK
- Goebel N: completely transhepatic course of the main portal vein with subcapsular ramification. (ab). *Radiology* 1986; 158: 574
- Goekeler WF; Edwards B; Volkert WA; et al: skeletal localization of samarium-153 chelates: potential therapeutic bone agents. *J Nucl Med* 1987; 28: 495
- Goedemans WT; de Jong MMT: comparison of several indium-111 ligands in labeling blood cells: effect of diethylenetriamine and CO₂. *J Nucl Med* 1987; 28: 1020
- Goei R; Baeten C; Arends JW: solitary rectal ulcer syndrome: findings at barium enema study and defecography. *Radiology* 1988; 168: 303
- Goei R; Baeten C; Janssens B; et al: solitary rectal ulcer syndrome: diagnosis with defecography. *AJR* 1987; 149: 933
- Goepfert H; Cangir A; Lee Y-Y: chemotherapy for aggressive juvenile nasopharyngeal angiosarcoma. (ab). *Radiology* 1986; 159: 287
- Goes E; Van Tussenbroeck F; Cottenie F; et al: Osler's disease diagnosed by ultrasound. *JCU* 1987; 15: 129
- Goethals P See De Spiegeleer B
- Goethlin J See Bakke A
- Goetting NLM; Fleming JS; Gallagher P; et al: alterations in liver blood flow and reticuloendothelial function in progressive cirrhosis in the rat. *J Nucl Med* 1986; 27: 1751
- Goetzman BW See Myracle MR
- Goff JS; Adcock KA; Schmelter R: detection of esophageal ulcerations with technetium-99m albumin scintigraphy. *J Nucl Med* 1986; 27: 1143
- Goff WB See Lubbers PR
- Goffinet DR See Hancock SL
- Goffinet DR See Rieke JW
- Goffinet DR: recent advances in brachytherapy physics. *Radiology* 1986; 158: 210
- Goffman T See Powells WD
- Goffman TE See Amols HI
- Gohagan JK; Spitznagel EL; Murphy WA; Vannier MW; Dixon WT; Gersell DJ; Rossnick SL; Totty WG; Destouet JM; Rickman DL; Spraggins TA; Butterfield RL: multispectral analysis of MR images of the breast. *Radiology* 1987; 163: 703
- Goiney R See Kidney M
- Goiney RC See Schwartz AN
- Goiney RC See Skwarok DJ
- Goings JJ; Brewin TB; Crompton GK; et al: soft tissue sarcoma: two cases of solitary lung metastasis more than 15 years after diagnosis. *Clin Radiol* 1986; 37: 579
- Golstein M: causes and consequences of inhomogeneous dose distributions in radiation therapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 701
- Golan T See Kosuda S
- Golan A See Wexler S
- Golas DB See Calhoun JM
- Golbey SH See Gerard PS
- Golbus MS See Randel SB
- Golman L See Hertzman Y
- Golczewski T; Krajewski A: vector based approach to age-related changes of Doppler velocity waveforms in the brachial artery. *Ultrasound Med Biol* 1987; 13: 15
- Gold BM See Cho KC
- Gold BM See Leibman AJ
- Gold BM See Nazinitsky KJ
- Gold HK See Khaw BA
- Gold LH See Seneff MG
- Gold LHA See Horton JA
- Gold RE See Gavatt ML
- Gold RH See Bassett LW
- Gold RH See Bunnell DH
- Gold RH See Crim JR
- Gold RH See Hartzman S
- Gold RH See Kangaroo H
- Gold RH See Kimme-Smith C
- Gold RH See Reicher MA
- Gold RH See Seeger LL
- Gold RH See Tang JSH
- Gold RH; Bassett LW: radionuclide evaluation of skeletal metastases: practical considerations. *Skeletal Radiol* 1986; 15: 1
- Gold RH; Bassett LW; Fox SA: mammography screening: successes and problems in implementing widespread use in the United States. *Radiol Clin North Am* 1987; 25: 1039
- Gold RH; Bassett LW; Kimme-Smith C: breast imaging: state-of-the-art. *Invest Radiol* 1986; 21: 29
- Gold RH; Aracchiolo A III; Bassett LW: prosthetic procedures of the joints of the ankle and foot. *Semin Roentgenol* 1986; 21: 75

- Gold RH; Mirra JM: case report 442, *Skeletal Radiol* 1987; 16: 577
- Gold RP: See Heiken JP
- Gold RP: radiologist's role in treating reactions to contrast media, *Radiology* 1988; 169: 875
- Goldberg AL: See Rothfus WE
- Goldberg AL; Rosenbaum AE; Wang H; et al: computed tomography of dural sinus thrombosis, *JCAT* 1986; 10: 16
- Goldberg AL; Rothfus WE; Deeb ZL; et al: impact of magnetic resonance on the diagnostic evaluation of acute cervicocranial spinal trauma, *Skeletal Radiol* 1988; 17: 89
- Goldberg BB: See Mitchell DG
- Goldberg BB: See Pennell RG
- Goldberg HI: See Atlas SW
- Goldberg HI: See Chafetz NI
- Goldberg HI: See Co CS
- Goldberg HI: See Dooms GC
- Goldberg HI: See Gomori JM
- Goldberg HI: See Grenier N
- Goldberg HI: See Grossman R
- Goldberg HI: See Gussman R
- Goldberg HI: See Hackney DB
- Goldberg HI: See Kerlan RK Jr
- Goldberg HI: See Mayo JR
- Goldberg HI: See Ni X-Y
- Goldberg HI: See Nowell MA
- Goldberg HI: See Onik G
- Goldberg HI: See Shea WJ Jr
- Goldberg HI: See Spagnoli MV
- Goldberg HI: See Stark DD
- Goldberg HI: See van Waa PFGM
- Goldberg HI: See Young SC
- Goldberg HI: See Zimmerman RA
- Goldberg HI; Grossman R; Gomori JM; Asbury AK; Bilaniuk LT; Zimmerman RA: cervical internal carotid artery dissecting hemorrhage: diagnosis using MR, *Radiology* 1986; 158: 157
- Goldberg HI; Zimmerman RA: central nervous system, *Semin Roentgenol* 1987; 22: 205
- Goldberg HL; Moses JW; Fisher J; et al: diagnostic accuracy of coronary angiography utilizing computer-based digital subtraction methods: comparison to conventional cineangiography, (ab), *Radiology* 1987; 163: 836
- Goldberg I: See Larson D
- Goldberg JD: See Chervenak FA
- Goldberg LI: See Greenberg M
- Goldberg ME: See Derauf B
- Goldberg ME: See Letourneau JG
- Goldberg MF: See Mafee MF
- Goldberg N; Peschel RE: postoperative abdominopelvic radiation therapy for ovarian cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 425
- Goldberg NB: See Haffty BC
- Goldberg RE; Hanga RJ; Yulish BS: serial CT scans in thymic hyperplasia, *JCAT* 1987; 11: 539
- Goldberg RE: See Knelson MH
- Goldberg RE; Lipuma JF; Cohen AM: pneumomediastinum associated with cocaine abuse: case report and review of the literature, *J Thorac Imag* 1987; 2: 88
- Goldberg RE; Miraldi F: radionuclide imaging of potassium iodide-induced sialadenitis, *Clin Nucl Med* 1987; 12: 370
- Goldberg RJ: See Raptopoulos V
- Goldberg RJ; Seneff M; Gore JM; et al: occult malignant neoplasm in patients with deep venous thrombosis, (ab), *Radiology* 1987; 164: 292
- Goldberg RM; Chilcote W; Kay R; et al: sonographic findings in polyorchidism, *JCU* 1987; 15: 412
- Goldberg RP: See Sussman SK
- Goldbert J: See Bhagavan BS
- Goldblatt D: See Kim KS
- Goldblatt E: See Fazzalari NL
- Goldblatt J: See Hermann G
- Goldblum LE: See Hamper UM
- Golden GS; Woody RC: role of nuclear magnetic resonance imaging in the diagnosis of MS in childhood, (ab), *Radiology* 1988; 166: 295
- Golden JA: See Aberle DR
- Goldenberg DM; Sharkey RM; Ford E: anti-antibody enhancement of iodine-131 anti-CEA radioimmunodetection in experimental and clinical studies, *J Nucl Med* 1987; 28: 1604
- Goldenberg G: See Podreka I
- Goldenberg MH: See Kienzie GD
- Goldfaden D; Orringer MB; Appelman HD; et al: adenocarcinoma of the distal esophagus and gastric cardia: comparison of results of transhiatal esophagectomy and thoracoabdominal esophagogastricomy, (ab), *Radiology* 1986; 161: 282
- Goldfarb CR: See Jackson ML
- Goldfarb CR: See Kuhn MJ
- Goldfarb CR: See Ongseng F
- Goldfarb CR: See Zuckler LS
- Goldfarb CR; Ongseng F; Chokshi V: nondilated obstructive uropathy, *Radiology* 1987; 162: 879
- Goldfarb CR; Ongseng F; Kuhn MJ; et al: non-skeletal accumulation of bone seeking agents: pelvis, *Semin Nucl Med* 1988; 18: 159
- Goldfarb HW: See Scheffel U
- Goldfinger M: See Fernandes BJ
- Goldfinger M: See Stoll S
- Goldfinger M; Cohen MM; Steinhart MI; et al: sonography and percutaneous aspiration of splenic epidermoid cyst, *JCU* 1986; 14: 147
- Goldfinger M; Rothberg R; Stoll S: sonographic guidance of thyroid needle biopsy, *J Canad Assoc Radiol* 1986; 37: 186
- Goldfogel G: See Abdel-Nabi HH
- Goldfogel GA: See Teefey SA
- Goldhaber SZ: See Parker JA
- Goldhofer W: See Merz E
- Golding RG: See Castellijn JA
- Golding RP: See Taets van Amerongen AHM
- Golding RP: See Treu EBWM
- Golding RP: See van Zanten TEG
- Golding RP; van Zanten TEG; Tierie AH; et al: intravenous urography as a prognostic indicator in vesical carcinoma, (ab), *Radiology* 1988; 166: 910
- Golding SJ: See Cadman PJ
- Goldkrand JW; Benjamin DS; Cantor DM: role of ultrasound in obstetric management, *JCU* 1986; 14: 589
- Goldman AB: See Schneider R
- Goldman AB; Abrahams TG: case report 356, *Skeletal Radiol* 1986; 15: 308
- Goldman AM: See Baram TZ
- Goldman AP; Kotler MN; Scanlon MH; et al: complementary role of magnetic resonance imaging, Doppler echocardiography, and computed tomography in the diagnosis of dissecting thoracic aneurysms, (ab), *Radiology* 1987; 162: 886
- Goldman AP; Kotler MN; Scanlon MH; et al: magnetic resonance imaging and two-dimensional echocardiography, (ab), *Radiology* 1987; 162: 588
- Goldman H: See Wang HH
- Goldman JA: See Feldberg D
- Goldman JM: See Currie DC
- Goldman M: See Eyes BE
- Goldman MH: See Zarnke MD
- Goldman MH; Kent S; Schaumburg E: brachial artery injuries associated with posterior elbow dislocation, (ab), *Radiology* 1987; 164: 590
- Goldman MJ: See Frager DH
- Goldman MJ: See Zuckler LS
- Goldman S: See Greco RJ
- Goldman S; Glimelius B; Norring U; et al: transanorectal ultrasonography in anal carcinoma: a prospective study of 21 patients, *Acta Radiol* 1988; 29: 337
- Goldman SM: See Gatewood OMB
- Goldman SM: See Hartman DS
- Goldman SM: See Mezziane MA
- Goldman SM: See Sarr MG
- Goldman SM: See Tipton A
- Goldman SM: See Yousef DM
- Goldman SM: acute and chronic urinary infection: present concepts and controversies, *Urol Radiol* 1988; 10: 17
- Goldman SM; Bohlmann ME; Gatewood OMB: neoplasms of the renal collecting system, *Semin Roentgenol* 1987; 22: 284
- Goldman SM; Davidson AJ; Neal J: retroperitoneal and pelvic hemangiopericytomas: clinical, radiologic, and pathologic correlation, *Radiology* 1988; 168: 13
- Goldman SM; Hartman DS; Weiss SW: varied radiographic manifestations of retroperitoneal malignant fibrous histiocytoma revealed through 27 cases, (ab), *Radiology* 1986; 160: 284
- Goldman SM; Scheffel UA; Hilton J; et al: blood flow to experimental renal tumors, *Invest Radiol* 1986; 21: 459
- Goldsher D: See Braun J
- Goldsmith GO: See Kaszar-Seibert DJ
- Goldsmith MS; Tansescu DE; Waxman AD; et al: comparison of magnetic resonance imaging and radionuclide imaging in the evaluation of renal transplant failure, *Clin Nucl Med* 1988; 13: 250
- Goldsmith SJ: See Palestro C
- Goldsmith SJ: See Vallabhajosula S
- Goldson AL: See Streeter OE Jr
- Goldson AL: See Tepper JE
- Goldstein A: slice thickness measurements, *J Ultrasound Med* 1988; 7: 487
- Goldstein AS: See Scalfani SJA
- Goldstein CS: See Bomalaski JS
- Goldstein DC; Kundel HL; Daube-Witherspoon ME; et al: silicone gel phantom suitable for multimodality imaging, *Invest Radiol* 1987; 22: 153
- Goldstein DP: See Hoffer FA
- Goldstein EJ: See Wolf GL
- Goldstein HA: See McCrohan JL
- Goldstein HA: See Runge VM
- Goldstein HA; Ziesman HA; Fahy FH; et al: renal scans in pregnant transplant patients, *J Nucl Med* 1988; 29: 1364
- Goldstein HM: See Buva JC
- Goldstein I; Lockwood C; Hobbins JC: ultrasound assessment of fetal intestinal development in the evaluation of gestational age, (ab), *Radiology* 1988; 167: 588
- Goldstein JH: See Caines GH
- Goldstein LD: See Mirvis SE
- Goldstein MD: See Tikofsky RS
- Goldstein RA: rubidium-82 kinetics after coronary occlusion: temporal relation of net myocardial accumulation and viability in open-chested dogs, *J Nucl Med* 1986; 27: 1456
- Goldstein RA; Kirkcaldie RI; Smalling RW; et al: changes in myocardial perfusion reserve after PTCA: noninvasive assessment with positron tomography, *J Nucl Med* 1987; 28: 1262
- Goldstein RA; Mullani NA; Wong W-H; et al: positron imaging of myocardial infarction with rubidium-82, *J Nucl Med* 1986; 27: 1824
- Goldstein RB: See Cardoza JD
- Goldstein RB; Filly RA: prenatal diagnosis of anencephaly: spectrum of sonographic appearances and distinction from the amniotic band syndrome, *AJR* 1988; 151: 547
- Goldstein RB; Filly RA: sonographic estimation of amniotic fluid volume: subjective assessment versus pocket measurements, *J Ultrasound Med* 1988; 7: 363
- Goldstein RB; Filly RA; Callen PW: sonographic diagnosis of meconium ileus in utero, *J Ultrasound Med* 1987; 6: 663
- Goldstein RB; Filly RA; Simpson G: pitfalls in femur length measurements, *J Ultrasound Med* 1987; 6: 203
- Goldstein RB; Filly RA; Toi A: septal veins: normal finding on neonatal cranial sonography, *Radiology* 1986; 161: 623
- Goldstein RB; Wing VW; Laing FC; et al: computed tomography of thick-walled gallbladder mimicking pericholecystic fluid, *JCAT* 1986; 10: 55
- Goldstein RC: See Toplick SK
- Goldstein S: See Stein PD
- Goldstein SA: See Braunstein EM
- Goldstein SJ: See Lee C
- Goldstein SR: See Doppman JL
- Goldstein SR; Snyder JR; Watson C; et al: combined sonographic-pathologic surveillance in elective first-trimester termination of pregnancy, (ab), *Radiology* 1988; 169: 289
- Goldstone SE: See Riger VU
- Goldstraw P: See Kay FH
- Goldwasser B; Weinerth JL; Carson CC; et al: factors affecting the success rate of percutaneous nephrolithotripsy and the incidence of retained fragments, (ab), *Radiology* 1987; 162: 291
- Goldwasser JM: See Spiegel SM
- Goldwasser SM; Reynolds RA; Taiten DA; et al: techniques for the rapid display and manipulation of 3-D biomedical data, *Comput Med Imag Graph* 1988; 12: 1
- Gole D: See Binnet GS III
- Golimbu C: See Firooznia H
- Golimb C: See Rafil M
- Golin A: See Baran GW
- Golladay ES: See Seibert JJ
- Golladay ES: See Williamson SL
- Golman K: See Jansen I
- Golman K: See Nilsson P
- Golomb J; Korczak D; Lindner A: giant obstructing calculus in the distal ureter secondary to obstruction by a ureterocoele, *Urol Radiol* 1987; 9: 168
- Golomb J; Solomon A; Peer G; et al: bilateral synchronous xanthogranulomatous pyelonephritis in end-stage renal failure, *Urol Radiol* 1986; 8: 95
- Gomber S: See Kapoor R
- Gomberg JS; Friedman AC; Radecki PD; et al: MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis, *Gastrointest Radiol* 1986; 11: 361
- Gomberg R: See Carroll R
- Gomes A: See Brown RKJ
- Gomes AS: See Lois JF
- Gomes AS: See Smith DC
- Gomes AS: See Soulen RL
- Gomes AS; Lois JF; Child JS; et al: cardiac tumors and thrombus: evaluation with MR imaging, *AJR* 1987; 149: 895
- Gomes AS; Lois JF; Drinkwater DC Jr; Corday SB: coronary artery bypass grafts: visualization with MR imaging, *Radiology* 1987; 162: 175
- Gomes AS; Lois JF; George B; Aplan G; Williams RG: congenital abnormalities of the aortic arch: MR imaging, *Radiology* 1987; 165: 691
- Gomes AS; Lois JF; McCoy RD: angiographic treatment of gastrointestinal hemorrhage: comparison of vasopressin infusion and embolization, *AJR* 1986; 146: 1031
- Gomes AS; Papin FJ; Mankovich NJ; et al: digital subtraction angiography: comparison of 512² and 1024² imaging, *AJR* 1986; 146: 835
- Gomes H: See Motte J
- Gomes H; Menanteau B; Gaillard D; et al: telangiectatic osteosarcoma, *Pediatr Radiol* 1986; 16: 140

- Gomez A; Mata JM; Donoso L; Rams A: galactoceles: three distinctive radiographic appearances, *Radiology* 1986; 158: 43
- Gomez A; Mata JM; Donoso L; Rams A: galactoceles: three distinctive radiographic appearances: reply, *Radiology* 1986; 160: 853
- Gomez F See Skupin A
- Gómez JG See Jiménez-Cruz JF
- Gómez-Pérez R See Muñoz-Gómez J
- Gomori JM See Atlas SW
- Gomori JM See Goldberg HI
- Gomori JM See Grossman RI
- Gomori JM See Hackney DB
- Gomori JM See Hecht-Leavitt C
- Gomori JM See Horev G
- Gomori JM See Macchi PJ
- Gomori JM See Nyska M
- Gomori JM See Rasooly R
- Gomori JM See Rubin JI
- Gomori JM See Spagnoli MV
- Gomori JM See Zagzag D
- Gomori JM; Cohen D; Eyd A; et al: water lily sign in CT of cerebral hydatid disease: a case report, *Neuroradiol* 1988; 30: 358
- Gomori JM; Grossman RI: intracranial hematomas: imaging by high-field MR: reply, *Radiology* 1986; 159: 566
- Gomori JM; Grossman RI: mechanisms responsible for the MR appearance and evolution of intracranial hemorrhage, *Radiographics* 1988; 8: 427
- Gomori JM; Grossman RI: occult cerebral vascular malformations: high-field MR imaging: reply, *Radiology* 1986; 161: 278
- Gomori JM; Grossman RI; Drott HR: MR relaxation times and iron content of thalamic spleens: an in vitro study, *AJR* 1988; 150: 567
- Gomori JM; Grossman RI; Goldberg HI; et al: high-field spin-echo MR imaging of superficial and subependymal siderosis secondary to neonatal intraventricular hemorrhage, *Neuroradiol* 1987; 29: 339
- Gomori JM; Grossman RI; Goldberg HI; Hackney DB; Zimmerman RA; Bilaniuk LT: occult cerebral vascular malformations: high-field MR imaging, *Radiology* 1986; 158: 707
- Gomori JM; Grossman RI; Hackney DB; et al: variable appearances of subacute intracranial hematomas on high-field spin-echo MR, *AJNR* 1987; 8: 1019
- Gomori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D: choroidal melanomas: correlation of NMR spectroscopy and MR imaging, *Radiology* 1986; 158: 443
- Gomori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D: ocular MR imaging and spectroscopy: ex vivo study, *Radiology* 1986; 160: 201
- Gomori JM; Grossman RI; Yu-IP C; et al: NMR relaxation times of blood: dependence on field strength, oxidation state, and cell integrity, *JCAT* 1987; 11: 684
- Gomori JM; Holland CA; Grossman RI; Geffer WB; Lenkinski RE: fat suppression by section-select gradient reversal on spin-echo MR imaging: work in progress, *Radiology* 1988; 168: 493
- Gomori JM; Leibovici V; Zlotogorski A; et al: computed tomography in Sjögren-Larsson syndrome, *Neuroradiol* 1987; 29: 557
- Gomori JM; Steiner I: non-linear CT windows, *Comput Radiol* 1987; 11: 21
- Gonda RL Jr; Gutierrez OH; Azodo MVU: mycotic aneurysms of the aorta: radiologic features, *Radiology* 1988; 168: 343
- Gonda RL Jr; Karo JJ; Forte RA; et al: diagnosis of subclinical varicocele in infertility, *AJR* 1987; 148: 71
- Gong H Jr See Wallace JM
- Gonnermann D See Riebel T
- Gonord P See Fan M
- Gonord P; Kan S; Leroy-Willig A: parallel-plate split-conductor surface coil: analysis and design, *Magn Res Med* 1988; 6: 353
- Gonzalez A See Franquet T
- Gonzalez CF; Doan HT; Han SS; et al: extracranial vascular angiography, *Radiol Clin North Am* 1986; 24: 419
- Gonzalez DG See Arcangeli G
- Gonzalez DG See Nelson DF
- Gonzalez E See Singson RD
- Gonzalez J See Chapman JP
- Gonzalez JG; Gonzalez RR; Patiño JV; et al: CT findings in gastrointestinal perforation by ingested fish bones, *JCAT* 1988; 12: 88
- Gonzalez R See Weinberg B
- González RG; Miglir S; Von Salta I; et al: ³¹P NMR studies of the diabetic lens, *Magn Res Med* 1988; 6: 435
- Gonzalez RR See Gonzalez JG
- Gonzalez-Crussi F See Cormier PJ
- Gonzalez-Crussi F See Fernbach SK
- Gonzalez-Lavin I See Steiner RM
- Gonzalez-Mendez R See Litt L
- González-Méndez R; Hahn GM; Wade-Jardetzky NG; et al: comparison of intracellular pH measurements by ³¹P NMR and weak acid partitioning in Chinese hamster ovary fibroblasts, *Magn Res Med* 1988; 6: 373
- Gonzalez-Scarano F See Grossman RI
- Goobar J See Pate D
- Goobar JE See Hajek PC
- Goobar JE See Pineda CJ
- Goobar JE; Pate D; Resnick D; et al: radiography of the hyperextended lumbar spine: an effective technique for the demonstration of discal vacuum phenomena, *J Canad Assoc Radiol* 1987; 38: 271
- Gooch AW Jr See Kohn ML
- Good B See Fuhrman CR
- Good RR See Kumar PP
- Goodenough DJ; Weaver KE: phantoms for specifications and quality assurance of MR imaging scanners, *Comput Med Imag Graph* 1988; 12: 193
- Goodenough DJ; Weaver KE; Costaridou H; et al: new software correction approach to volume averaging artifacts in CT, *Comput Radiol* 1986; 10: 87
- Goodfellow DB See Yulish BS
- Goodfellow T; Holdstock GE; Brunton FJ; et al: fatal acute vasculitis after high-dose urography with iohexol, *Br J Radiol* 1986; 59: 620
- Goodfellow T; Hyde I; Burge DM; et al: congenital diaphragmatic hernia: the prognostic significance of the site of the stomach, *Br J Radiol* 1987; 60: 993
- Goodgold HM; Rehder JG; Samuels LD; Chaitman BR: breast attenuation artifacts in Tl-201 scintigraphy: reply, *Radiology* 1988; 168: 879
- Goodgold HM; Rehder JG; Samuels LD; Chaitman BR: improved interpretation of exercise Tl-201 myocardial perfusion scintigraphy in women: characterization of breast attenuation artifacts, *Radiology* 1987; 165: 361
- Goodgold HM; Samuels LD: misleading findings on indium-111 leukocyte images, *Clin Nucl Med* 1986; 11: 392
- Gooding CA See Brasch RC
- Gooding CA See Kass DA
- Gooding CA See Lallemand D
- Gooding CA See Moore SG
- Gooding CA See Schmidt HC
- Gooding CA: excellence of performance: leadership and managerial skill improvement opportunities for radiology chairmen, *Invest Radiol* 1986; 21: 881
- Gooding CA: Radiology Outreach Foundation, *Radiology* 1988; 169: 279
- Gooding GAW See Auffermann W
- Gooding GAW See Baum S
- Gooding GAW See Bradus RJ
- Gooding GAW See Randal S
- Gooding GAW See Randal SB
- Gooding GAW: sonography of hemorrhagic cysts with computed tomographic correlation, *J Ultrasound Med* 1986; 5: 699
- Gooding GAW: sonography of the radial artery at the wrist, *AJR* 1988; 150: 629
- Gooding GAW: sonography of the spermatic cord, *AJR* 1988; 151: 721
- Gooding GAW: tenosynovitis of the wrist: a sonographic demonstration, *J Ultrasound Med* 1988; 7: 225
- Gooding GAW: varied sonographic manifestations of cystitis, *J Ultrasound Med* 1986; 5: 61
- Gooding GAW: women in medicine: radiologist's perspective, *Invest Radiol* 1986; 21: 496
- Gooding GAW; Berger MS; Linkowski GD; Dillon WP; Weinstein PR; Boggan JE: transducer frequency considerations in intraoperative US of the spine, *Radiology* 1986; 160: 272
- Gooding GAW; Hardman T; Sumers M; et al: sonography of the hand and foot in foreign body detection, *J Ultrasound Med* 1987; 6: 441
- Gooding GAW; Hightower DR; Moore EH; Dillon WP; Lipton MJ: obstruction of the superior vena cava or subclavian veins: sonographic diagnosis, *Radiology* 1986; 159: 663
- Gooding GAW; Leonhardt W; Stein R: testicular cysts: US findings, *Radiology* 1987; 163: 537
- Gooding GAW; Okerlund MD; Stark DD; Clark OH: parathyroid imaging: comparison of double-tracer (Tl-201, Tc-99m) scintigraphy and high-resolution US, *Radiology* 1986; 161: 57
- Gooding GAW; Stess RM; Graf PM; et al: sonography of the sole of the foot: evidence for loss of foot pad thickness in diabetes and its relationship to ulceration of the foot, *Invest Radiol* 1986; 21: 45
- Goodman GB; Lam GKY; Harrison RW; et al: use of positron emission tomography in pion radiotherapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 1867
- Goodman J See Kramer FL
- Goodman JD See Grabb A
- Goodman JD See Yeh H-C
- Goodman JD; Norton KJ; Carr L; et al: crossed fused renal ectopia: sonographic diagnosis, *Urol Radiol* 1986; 8: 13
- Goodman JH See Mason TO
- Goodman LR See Chintapalli K
- Goodman LR See Gurney JW
- Goodman LR See Spitzary DL
- Goodman LR See Steiner RM
- Goodman LR See Thorsen MK
- Goodman LR: pulmonary metastatic disease: radiologic-surgical correlation, *Radiology* 1988; 167: 284
- Goodman LR; Foley WD; Wilson CR; Rimm AA; Lawson TL: digital and conventional chest images: observer performance with film digital radiography system, *Radiology* 1986; 158: 27
- Goodman LR; Foley WD; Wilson CR; Tikofovy RS; Hoffmann RG: pneumothorax and other lung diseases: effect of altered resolution and edge enhancement on diagnosis with digitized radiographs, *Radiology* 1988; 167: 83
- Goodman LR; Wilson CR; Foley WD: digital radiography of the chest: promises and problems, *AJR* 1988; 150: 1241
- Goodman MM See Knapp FF Jr
- Goodman PC; Daley C; Minagi H: spontaneous pneumothorax in AIDS patients with *Pneumocystis carinii* pneumonia, *AJR* 1986; 147: 29
- Goodman R See Fowle B
- Goodman S: case report: nodular sclerosing Hodgkin's disease in association with Gaucher's disease, *Clin Radiol* 1988; 39: 326
- Goodman ZD See Dachman AH
- Goodman ZD See Lubbers PR
- Goodman ZD See Roberts JL
- Goodman ZD See Ros FR
- Goodrich I See Klein SI
- Goodstitt MM See Kushner DC
- Goodstitt MM; Kilcoyne RF; Gutcheck RA; Richardson ML; Rosenthal DE: effect of collagen on bone mineral analysis with CT, *Radiology* 1988; 167: 787
- Goodstitt MM; Rosenthal DE: quantitative computed tomography scanning for measurement of bone and bone marrow fat content: a comparison of single- and dual-energy techniques using a solid synthetic phantom, *Invest Radiol* 1987; 22: 799
- Goodstitt MM; Rosenthal DE; Reins WR; et al: two postprocessing CT techniques for determining the composition of trabecular bone, *Invest Radiol* 1987; 22: 209
- Goodwin DA See Segall GM
- Goodwin DA; Meares CF; McCall MJ; et al: pre-targeted immunoscintigraphy of murine tumors with indium-111-labeled bifunctional haptens, *J Nucl Med* 1988; 29: 226
- Goodwin FN See Heller SL
- Goodwin FN: methodologies for the measurement of bone density and their precision and accuracy, *Semin Nucl Med* 1987; 17: 293
- Goodyer P See Jequier S
- Goolden AWG See Blake PR
- Goolden AWG; Kam KC; Fitzpatrick ML; et al: oedema of the neck after ablation of the thyroid with radioactive iodine, *Br J Radiol* 1986; 59: 583
- Gooskens RH See Krul JM
- Gootenberg JE See Choyke PL
- Gootenberg JE See Glass-Royal MC
- Gopinath N See Yee ACN
- Gopinath PG See Padhy AK
- Goransson HJ See Kuuliala IK
- Gorbach SL See Kellum JM
- Gorbach MS; Ravin CE: reinforced endotracheal tube placement: radiographic misdiagnosis, *Radiology* 1987; 162: 579
- Gorden P See Doppman JL
- Gordenne WH; Malchair FL: Mach bands in mammography, *Radiology* 1988; 169: 55
- Gordillo I; Millan JM; Escudero L; et al: multiple intracranial hydatid cysts, *Neuroradiol* 1986; 28: 285
- Gordillo R; Vilario M; Sherman NH; et al: circumscribed renal mass in dysplastic kidney: pseudomass vs. tumor, *J Ultrasound Med* 1987; 6: 613
- Gordon A See Williams CE
- Gordon AB; Harmer CL; O'Sullivan M: treatment of post-radiotherapy telangiectasia by injection sclerotherapy, *Clin Radiol* 1987; 38: 25
- Gordon B See Alexander EL
- Gordon CJ See Shellok FG
- Gordon D See Iles S
- Gordon D See Im J-G
- Gordon D See Klein J
- Gordon D See Wolpe FM
- Gordon DH See Glanz S
- Gordon DH See Kantor A
- Gordon DH See Scifani SJA
- Gordon DH See Wohlmut DE

- Gordon DH; Macchia RJ; Glanz S; et al: percutaneous management of retroperitoneal abscesses, (ab), *Radiology* 1988; 167: 293
- Gordon I See Mitchell CD
- Gordon I See Sweeney CE
- Gordon I; Peters AM; Nunn R: symptomatic hip in childhood: scintigraphic findings in the presence of a normal radiograph, *Skeletal Radiol* 1987; 16: 383
- Gordon JJ See Shuford WH
- Gordon L See Macpherson RI
- Gordon MDH See Faulkner K
- Gordon PR; Abrams C; Gash AK; et al: pericatheterization risk factors in left main coronary artery stenosis, (ab), *Radiology* 1987; 165: 586
- Gordon PS; Juillard GJF; Selch MT; Parker RG; Fu Y-S: orbital lymphomas and pseudolymphomas: treatment with radiation therapy, *Radiology* 1986; 159: 797
- Gordon RB See Balhazar EJ
- Gordon RB See Hulnick DH
- Gordon RB See Kittredge RD
- Gordon RD See Trzaski AG
- Gordon RL See Burke DR
- Gordon RL See Levy PJ
- Gordon RL See Shapiro MJ
- Gordon RL; Banner MP; Pollack HM: selected endourologic techniques, *Radiol Clin North Am* 1986; 24: 633
- Gordon SC; Reddy KR; Livingstone AS; et al: resolution of a contraceptive-steroid-induced hepatic adenoma with subsequent evolution into hepatocellular carcinoma, (ab), *Radiology* 1987; 163: 586
- Gordon SE See Olson SL
- Gordon W Jr See Rosen J
- Gore DR; Gardner GM; Sepic SB; et al: roentgenographic findings following anterior cervical fusion, *Skeletal Radiol* 1986; 15: 556
- Gore J See McCarthy S
- Gore J See Sostman HD
- Gore JC See Baer T
- Gore JC See Kang YS
- Gore JC See Majumdar S
- Gore JC See Pope CF
- Gore JC See Rapoport S
- Gore JC See Taylor CR
- Gore JC; Brown MS; Mizumoto CT; et al: influence of glycogen on water proton relaxation times, *Magn Res Med* 1986; 3: 463
- Gore JC; Majumdar S: superparamagnetic iron oxide particles, *Radiology* 1988; 169: 657
- Gore JC; Pope CF; Sostman HD: errors in the assessment of the efficacy of MRI pulse sequences, *Magn Res Imag* 1986; 4: 251
- Gore JC; Wilkens KL; Holcomb WC: low cost personal monitor for the detection of stray magnetic fields, *Magn Res Imag* 1986; 4: 73
- Gore JM See Goldberg RJ
- Gore RM See Bresler EJ
- Gore RM See Mann CS
- Gore RM See Nemcek AA Jr
- Gore RM See Tobin RS
- Gore RM See Vogelzang RL
- Gore RM: cross-sectional imaging of inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 115
- Gore RM; Vogelzang RL; Nemcek AA Jr: lymphadenopathy in chronic active hepatitis: CT observations, *AJR* 1988; 151: 75
- Gore SM See Hall FM
- Gorey MT See Hyman RA
- Goris ML: parametric images as a tool for quantitative normative evaluation, *Semin Nucl Med* 1987; 17: 18
- Gorkin J See Fine EJ
- Gorkin RJ: nevoid basal-cell carcinoma syndrome, (ab), *Radiology* 1987; 165: 592
- Gorman B See Galiber AK
- Gorman B; Charboneau JW; James EM; et al: benign pancreatic insulinoma: preoperative and intraoperative sonographic localization, *AJR* 1986; 147: 929
- Gorman B; Charboneau JW; James EM; Reading CC; Wold LE; Grant CS; Gharib H; Hay ID: medullary thyroid carcinoma: role of high-resolution US, *Radiology* 1987; 162: 147
- Gorman CA See Forbes G
- Gormley LS See Boechat MI
- Gorrill J See Sauer MV
- Gose EE See Barnes WE
- Goshima E See Yamakita N
- Goshima H See Mano I
- Gosink BB See Davis JA
- Gosink BB See Mattrey RF
- Gosink BB See Willson SA
- Gotfredsen A; Pjødendphant J; Njågaard H; et al: accuracy of lumbar spine bone mineral content by dual photon absorptiometry, *J Nucl Med* 1988; 29: 248
- Göthlin JH See Aslaksen A
- Göthlin JH See Gadeholt G
- Göthlin JH See Geitung JT
- Göthlin JH See Groves JR
- Göthlin JH See Kinnunen J
- Göthlin JH See Larsen TB
- Göthlin JH: high and low osmolar contrast media: who pays?, *Eur J Radiol* 1988; 8: 67
- Göthlin JH; Gadeholt G: quality study of 35 mm. miniaturization of full-size radiographic film, *Eur J Radiol* 1988; 8: 62
- Göthlin JH; Lerner RM; Gadeholt G; et al: CT staging of early rectal carcinoma, *Gastrointest Radiol* 1987; 12: 253
- Gothman LN See Rabkin JE
- Goto H See Muramatsu Y
- Goto K See Halbach VV
- Goto K See Ishii K
- Goto K; Halbach VV; Hardin CW; Higashida RT; Hishima G: permanent inflation of detachable balloons with a low-viscosity, hydrophilic polymerizing system, *Radiology* 1988; 169: 787
- Goto M See Okawa T
- Goto T See Kurokawa H
- Goto T See Mineura K
- Goto Y See Yasumoto M
- Gottdiener JS; Papademetriou V; Notargiacomo A; et al: incidence and cardiac effects of systemic venous air embolism: echocardiographic evidence of arterial embolization via noncardiac shunt, (ab), *Radiology* 1988; 169: 588
- Gottlieb CF; Seibert GB; Block NL: interaction of irradiation and microwave-induced hyperthermia in the Dunning R3327G prostatic adenocarcinoma model, *Radiology* 1988; 169: 243
- Gottlieb RH See Panicek DM
- Gottschalk A See Sostman HD
- Gottschalk A See Strauss EB
- Gottschalk A See Warshawer D
- Gottschalk A See Zoghbi SS
- Gough LM See Sprigg A
- Goulas A; Mauricio J; case of persistent hypoglossal intersegmental artery: angiographic and CT study, *Neuroradiol* 1987; 29: 162
- Gould E See Zanzi I
- Gould ES See Abdelwahab IF
- Gould ES; Taylor S; Naidich JB; et al: MR appearance of bilateral, spontaneous patellar tendon rupture in systemic lupus erythematosus, *JCAT* 1987; 11: 1096
- Gould H See Ottery FD
- Gould HR See Zarnke MD
- Gould J; Train JS; Dan SJ; Mitty HA: duodenal perforation as a delayed complication of placement of a biliary endoprosthesis, *Radiology* 1988; 167: 467
- Gould JD; Mitty HA; Pertsemilidis D; et al: adrenal myelolipoma: diagnosis by fine-needle aspiration, *AJR* 1987; 148: 921
- Gould KA See Swigart SA
- Gould KL See Mosberg KA
- Gould KL: pharmacologic intervention as an alternative to exercise stress, *Semin Nucl Med* 1987; 17: 121
- Gould KL; Sorenson SG; Albrow P; et al: thallium-201 myocardial imaging during coronary vasodilation induced by oral dipyridamole, *J Nucl Med* 1986; 27: 31
- Gould M; Johnson RJ: computed tomography of abdominal carcinoid tumour, *Br J Radiol* 1986; 59: 881
- Gould R See Mayo JR
- Gould RG See Brach RC
- Gould RG See Jaschke WR
- Gould RG See Sechtem U
- Gould RG; Lipton MJ; McNamara MT: measurement of regional myocardial blood flow in dogs by ultrafast CT, *Invest Radiol* 1988; 23: 348
- Gould RJ; Crampton AR; Schwartz D; et al: massive hemorrhage into a periparturient abscess: case report, *Cardiovasc Intervent Radiol* 1986; 9: 25
- Gouliamos A See Missas S
- Gouliamos A See Papavasiliou C
- Gounot D See Dumitrescu BE
- Goupy M-C See Alcala M
- Gouse JC See Andrieu J
- Gouse JC See Black WC
- Gouse JC See Peling MR
- Gouse JC See Williamson BRJ
- Gouse JC; Williamson BRJ; Brookeman VA; et al: patent umbilical vein: diagnosis by technetium-99m tagged red blood cell scintigraphy, *Clin Nucl Med* 1987; 12: 424
- Govoni PL See Gatlery SJ
- Gowland M: fetal abnormalities diagnosed from early pregnancy, *Clin Radiol* 1988; 39: 106
- Goy AMC; Pinto RS; Raghavendra BN; Epstein FJ; Kricheff II: intramedullary spinal cord tumors: MR imaging, with emphasis on associated cysts, *Radiology* 1986; 161: 381
- Goya T See Tomooka Y
- Goze A See Bouquet J-C
- Grabb A; Carr L; Goodman JD; et al: hepatic endometrioma, *JCU* 1986; 14: 478
- Grabenwöger F; Duck W; Pinteris F; Appel W: fixed intravascular foreign bodies: a new method for removal, *Radiology* 1988; 167: 555
- Grabenwöger F See Duck W
- Grabenwöger F; Duck W; Pinteris F; Olbert: dilatation catheter system: complication due to inexpert handling, *Cardiovasc Intervent Radiol* 1987; 10: 168
- Grabner G See Schuster E
- Grabowski WS; Redd RA; Cunningham BE; et al: categorical course curriculum for radiology residencies, *Invest Radiol* 1988; 23: 312
- Grabstald H See Wehle MJ
- Grace DM See Vezina WC
- Grace MGA See Miller JDR
- Grace PA See Loh JF
- Grady CL See Grimes AM
- Grash DA See Nugent KA
- Grash DA See Reed D
- Gratz JW See Blickman JG
- Graf PM See Gooding GAW
- Graf M See Hayward I
- Graf E See Aderka J
- Graf J See Schulze H
- Graf J; Faetor J; Funke FJ; et al: extracorporeal shock wave lithotripsy for ureteral stones: a retrospective analysis of 417 cases, (ab), *Radiology* 1988; 168: 885
- Graf-Radford NR See Biller J
- Grasias M See Parvez Z
- Graps TB See Letourneau JG
- Grapoudas ES See Munzenrider JE
- Graham AR See Stancic TH
- Graham AR See Yang PJ
- Graham CB See Schwartz AN
- Graham CC Jr See Mills BG
- Graham D See Bader B
- Graham D See Blum E
- Graham D See DeMocker JC
- Graham D See Nelson MJ
- Graham D; Nelson MW: combined perineal-abdominal sonography in the evaluation of vaginal atresia, *JCU* 1986; 14: 735
- Graham LS See Cohen MB
- Graham LS See LaFontaine RL
- Graham LS; LaFontaine RL; Stein MA: effects of asymmetric photopeak windows on flood field uniformity and spatial resolution of scintillation cameras, *J Nucl Med* 1986; 27: 706
- Graham MC See Myers WG
- Graham MD; Kemink JL; Latack JT; et al: giant cholesterol cyst of the petrous apex: distinct clinical entity, (ab), *Radiology* 1986; 161: 862
- Graham MF See Li DK
- Graham MF See Simons ME
- Graham MM See Breit HB
- Graham MM See Evans ML
- Graham MM See Lewellen TK
- Graham MM; Links JM; Lewellen TK; et al: considerations in the purchase of a nuclear medicine computer system, *J Nucl Med* 1988; 29: 717
- Graham R See Corkill M
- Graham RT; Herschorn S; Strigley J: calcified ganglioneuroma of the bladder, *Urol Radiol* 1987; 9: 177
- Graham-Pole JR See Marcus RB Jr
- Grail M See Carr DH
- Grail M See Curati WL
- Grail M; Itchak Y: sonographic evaluation of ovarian torsion in childhood and adolescence, *AJR* 1988; 150: 647
- Grail M; Itchak Y; Strauss S; et al: parathyroid sonography: diagnostic accuracy related to shape, location and texture of the gland, *Br J Radiol* 1987; 60: 439
- Grail M; Leung AW-L; Steiner RE; et al: magnetic resonance imaging of the retroperitoneum, *Clin Radiol* 1986; 37: 441
- Grail M; Martinovitz U; Strauss S; et al: sonographic localization of hematomas in hemophilic patients with positive iliopsoas sign, *AJR* 1987; 148: 121
- Grail M; Pennock JM: MR imaging of histiocytosis X in the central nervous system, *AJNR* 1986; 7: 21
- Grail M; Stahl-Kent V; Ben-Ami T; et al: sonographic detection of occult bone fractures, *Pediatr Radiol* 1988; 18: 383
- Grail M; Steiner RE: contrast-enhanced magnetic resonance imaging of tumours of the central nervous system: clinical review, *Br J Radiol* 1986; 59: 665
- Grail M; Strauss S; Heim M; et al: sonography of the hip joint as part of the evaluation of acute lower abdominal pain, *JCU* 1988; 16: 99
- Grainier R See Daly BD
- Grainier RG: optimal concentration of contrast medium for aortography and femoral arteriography: comparison of Hexabrix 320 and Hexabrix 250, *Clin Radiol* 1986; 37: 281
- Gramiak R; Hoken J; Moss AJ; Gutierrez OH; Picone AL; Roe SA: left coronary arterial blood flow: noninvasive detection by Doppler US, *Radiology* 1986; 159: 657

- Gramiak R See Holen J
 Gram H F See Kelvin FM
 Granato DB; Salimi Z; George EA; et al: recurrent hemolytic uremic syndrome in a renal transplant recipient, *Clin Nucl Med* 1988; 13: 171
 Granberg S; Wiklund M: comparison between endovaginal and transabdominal transducers for measuring ovarian volume, *J Ultrasound Med* 1987; 6: 649
 Granberg S; Wiklund M: comparison between ultrasound and gynecologic examination for detection of enlarged ovaries in a group of women at risk for ovarian carcinoma, *J Ultrasound Med* 1988; 7: 59
 Grandgeorge S See Frey EE
 Grandgeorge S See McCray P
 Grandinetti F See Bock E
 Grandinetti ML See Squillaci E
 Grandt R See Yeh SDJ
 Granerus G See Bratt C-G
 Graney DO See Schwartz AN
 Granger E See Hopper KD
 Granholm JW See Robertson DD
 Granke DS See Gross BH
 Granke DS See Stuck KJ
 Granke DS; Ellis JH; Richmond BD: CT findings of hypervascular malignant peritoneal mesothelioma, *Comput Radiol* 1987; 11: 91
 Granoff DW See Swartz JD
 Granot J: sodium imaging of human body organs and extremities in vivo, *Radiology* 1988; 167: 547
 Granowska M; Nimmon CC; Britton KE; et al: kinetic analysis and probability mapping applied to the detection of ovarian cancer by radioimmunoscinigraphy, *J Nucl Med* 1988; 29: 599
 Granstrom P: CT visualization of thrombus in cerebral artery, *JCAT* 1986; 10: 541
 Grant AM; Kehoe TM; Law J: use of a simple Leeds test object for rapid assessment of image intensifiers, *Br J Radiol* 1987; 60: 1019
 Grant CS See Edmonson GR
 Grant CS See Galiber AK
 Grant CS See Gorman B
 Grant CS See Sutton RT
 Grant CWM; Barber KR; Florio E; et al: phospholipid spin label used as a liposome-associated MRI contrast agent, *Magn Res Med* 1987; 5: 371
 Grant DC; Dee GJ; Yoder IC; et al: sonography in transitional cell carcinoma of the renal pelvis, *Urol Radiol* 1986; 8: 1
 Grant DS; Bartram CI; Heron CW: preliminary study of the possible benefits of using carbon dioxide insufflation during double-contrast barium enema, *Br J Radiol* 1986; 59: 190
 Grant E: flow velocity in cerebral arteries in the newborn: reply, *Radiology* 1988; 166: 905
 Grant EG See Blei CL
 Grant EG See Choyke PL
 Grant EG See Dritschilo A
 Grant EG See Kelly DR
 Grant EG See Netanyahu I
 Grant EG See Schellinger D
 Grant EG See White EM
 Grant EG: sonography of the premature brain: intracranial hemorrhage and periventricular leukomalacia, *Neuroradiol* 1986; 28: 476
 Grant EG; Schellinger D; Smith Y; et al: periventricular leukomalacia in combination with intraventricular hemorrhage: sonographic features and sequelae, *AJNR* 1986; 7: 443
 Grant EG; Tessler F; Perrella R: infant cranial sonography, *Radiol Clin North Am* 1988; 26: 1089
 Grant EG; White EM; Schellinger D; Choyke PL; Sarcone AL: cranial duplex sonography of the infant, *Radiology* 1987; 163: 177
 Grant EG; White EM; Schellinger D; Rosenbach D: low-level echogenicity in intraventricular hemorrhage versus ventriculitis, *Radiology* 1987; 165: 471
 Grant EG; Wong W; Tessler F; et al: cerebrovascular ultrasound imaging, *Radiol Clin North Am* 1988; 26: 1111
 Grant J See Yankes JR
 Grant P See Salzman L
 Grant R; Condon B; Lawrence A; et al: is cranial CSF volume under hormonal influence? an MR study, *JCAT* 1988; 12: 36
 Grant R; Condon B; Moyns S; et al: temporal physicochemical changes during *in vitro* relaxation time measurements: the cerebrospinal fluid, *Magn Res Med* 1988; 6: 397
 Grantham JJ See Levine E
 Grantham JR; Millner MR; Kaude JV; Finlayson B; Hunter PT II; Newman RC: renal stone disease treated with extracorporeal shock wave lithotripsy: short-term observations in 100 patients, *Radiology* 1986; 158: 203
 Graor R: fibrinolytic therapy for deep vein thrombosis and pulmonary embolism, *Cardiovasc Intervent Radiol* 1988; 11: 533
 Graor RA See Olin JW
 Graor RA See Risius B
 Graor RA; Risius B; Young JR; et al: thrombolysis of peripheral arterial bypass grafts: surgical thrombectomy compared with thrombolysis: a preliminary report, (ab), *Radiology* 1988; 168: 887
 Grashuis JL See Trouerbach WT
 Grassi CJ See Reagan K
 Grassi CJ; Bettmann MA; Rogoff P; et al: femoral arteriovenous fistula after placement of a Kimray-Greenfield filter, *AJR* 1988; 151: 681
 Grassi CJ; Box LM; Bettmann MA: partial splenic embolization for painful splenomegaly, *Cardiovasc Intervent Radiol* 1987; 10: 291
 Grassi CJ; Lee RGL; Hill TC; et al: technetium-99m sulfur colloid imaging of vascular thrombosis in pancreaticosplenic transplant, *Clin Nucl Med* 1986; 11: 558
 Grassi R See Rotondo A
 Grates HE See Valeriote F
 Grattan-Smith A See Wang S-C
 Grattan-Smith JD; Doust BD; Fagan PA: high resolution computed tomography in the evaluation of glomus tumours of the petrous temporal bone, *Australas Radiol* 1988; 32: 190
 Gratz KF See Tietze P
 Grau A; Pomes J; Davalos A; et al: computed tomography in acute alcoholic myopathy, *CT* 1988; 12: 161
 Graudal H See Jurik AG
 Graumann R See Bruder H
 Graumann R; Oppelt A; Stetter E: multiple-spin-echo imaging with a 2D Fourier method, *Magn Res Med* 1986; 3: 707
 Gravelle D See Morrissey GJ
 Gravelle IH See Clements R
 Gravelle IH See Davies RL
 Gravelle IH; Bulstrode JC; Bulbrook RD; et al: prospective study of mammographic parenchymal patterns and risk of breast cancer, *Br J Radiol* 1986; 59: 487
 Graveron-DeMilly D See Lahrech H
 Graves RW See Epstein DH
 Graves VB; Finney HL; Mailander J: intradural lumbar disk herniation, *AJNR* 1986; 7: 495
 Graves VB; Keene JS; Strother CM; et al: CT of bilateral lumbosacral facet dislocation, *AJNR* 1988; 9: 809
 Graves VB; Strother CM; Weinstein JM; et al: giant intracavernous carotid aneurysm after spontaneous thrombosis of a carotid cavernous sinus fistula, *AJNR* 1988; 9: 595
 Gravinghoff LM See Riediger G
 Graviss ER See Luisiri A
 Gray AJ: treatment of advanced head and neck cancer with accelerated fractionation, *Int J Radiat Oncol Biol Phys* 1986; 12: 9
 Gray DL; Crane JP; Rudloff MA: prenatal diagnosis of neural tube defects: origin of midtrimester vertebral ossification centers as determined by sonographic water-bath studies, *J Ultrasound Med* 1988; 7: 421
 Gray G See Rubenstein WA
 Gray GF Jr See Freeman MP
 Gray H See Bush A
 Gray HW: horseshoe kidney simulation by paraortic metastases from a testicular tumor, *Clin Nucl Med* 1987; 12: 75
 Gray JE See Ehman RL
 Gray JE See Everson JD
 Gray JE See Plunkett MB
 Gray JE See Ragozzino MW
 Gray JE See Stearns JG
 Gray JE: technical quality of mammography in centers participating in a regional breast cancer awareness program, *Radiographics* 1988; 8: 823
 Gray JE; Barnes CT; Morin RL; Yester MV; Chakraborty DP: technical exhibits: RSNA '87 meeting notes, *Radiology* 1988; 166: 927
 Gray JE; Feimlee JP: section thickness and contiguity phantom for MR imaging, *Radiology* 1987; 164: 193
 Gray JG See McLaughlin SJ
 Gray JM See Blake GM
 Gray JM See Lee F
 Gray L See Nath R
 Gray L; Djang WT; Friedman AH: MR imaging of thoracic extradural arachnoid cysts, *JCAT* 1988; 12: 646
 Gray LA See Beltran J
 Gray R See Vedlicka JW Jr
 Gray R; Cormier M; Vedlicka J; et al: catamenial pneumothorax: case report and literature review, *J Thorac Imag* 1987; 2: 72
 Gray RR See Grossman H
 Gray RR See Matzinger FRK
 Gray RR See St. Louis EL
 Gray RR; Ho C-S; Yee A; et al: direct percutaneous jejunostomy, *AJR* 1987; 149: 931
 Gray RR; St. Louis EL; Grossman H: failure in placement of trocar-mounted catheters, *J Canad Assoc Radiol* 1986; 37: 102
 Gray RR; St. Louis EL; Grossman H: percutaneous conversion of surgical gastrostomy to jejunostomy: indications and technique, *J Canad Assoc Radiol* 1987; 38: 275
 Gray RR; St. Louis EL; Grossman H: use of the Amplatz introducer sheath to facilitate ureteral stent placement, *J Canad Assoc Radiol* 1987; 38: 120
 Gray RR; St. Louis EL; Grossman H: percutaneous gastrostomy and gastro-jejunostomy, *Br J Radiol* 1987; 60: 1067
 Grayshan R See Bell D
 Graziani L See Mitchell DG
 Graziani L: percutaneous recanalization of total iliac and femoro-popliteal artery occlusions, *Eur J Radiol* 1987; 7: 91
 Graziani LJ; Pado ME; Stanley C; et al: neonatal neurosonographic correlates of cerebral palsy in preterm infants, (ab), *Radiology* 1987; 162: 591
 Grdina DJ See Nagy B
 Grebbell FS See Nelson J
 Greco A; Steiner RE: magnetic resonance imaging in neurosarcoidosis, *Magn Res Imag* 1987; 5: 15
 Greco FA See Sherry MM
 Greco MA See Raghavendra BN
 Greco RJ; Steiner RM; Goldman S; et al: bronchoalveolar cell carcinoma of the lung, (ab), *Radiology* 1986; 161: 859
 Green BA See Castillo M
 Green BA See Dubin LM
 Green BA See Post MJD
 Green CE; Glass-Royal M; Bream FR; et al: cinefluoroscopic evaluation of periprosthetic cardiac valve regurgitation, *AJR* 1988; 151: 455
 Green D; Carroll BA: ultrasonography in the jaundiced infant: new approach, *J Ultrasound Med* 1986; 5: 323
 Green DF; Lyttton B; Glickman M: ureteropelvic junction obstruction after percutaneous nephrolithotripsy, (ab), *Radiology* 1988; 166: 910
 Green J See Kalfort J
 Green JA See Campbell IR
 Green JP See Rounsaville MC
 Green MA; Huffman JC: molecular structure of indium oxine, *J Nucl Med* 1988; 29: 417
 Green MA; Klippenstein DL; Tension JR: copper(II) bis(thiosemicarbazone) complexes as potential tracers for evaluation of cerebral and myocardial blood flow with PET, *J Nucl Med* 1988; 29: 1549
 Green MS See Crawford ES
 Green MV See Bacharach SL
 Green MV See Carson RE
 Green NE See Heller RM
 Green PS See Hentz VR
 Green RM See Ricotta JJ
 Greenberg B See Greenberg M
 Greenberg BM See Spritzer CE
 Greenberg D See Parsons GH
 Greenberg H See Lembke T
 Greenberg HM See Semelka RC
 Greenberg ID; McNicholas P: positional changes in a hemangioma demonstrated by red blood cell imaging, *Clin Nucl Med* 1987; 12: 668
 Greenberg J See Mirvis SE
 Greenberg M See Collier BD
 Greenberg M; Moavah AH; Wietes BM; Goldberg LJ; Kaplan EI; Greenberg B; Lindheimer MD: extradural pheochromocytoma: detection during pregnancy using MR imaging, *Radiology* 1986; 161: 475
 Greenberg P See Palmer D
 Greenberg P See Sylvester JE
 Greenberg SB; Park CH; Intenzo C: dynamic or early imaging in dual-tracer parathyroid scintigraphy, *Clin Nucl Med* 1986; 11: 627
 Greenberger JS; FitzGerald TJ; Klassen V; et al: alteration in hematopoietic stem cell seeding and proliferation by both high and low dose rate irradiation of bone marrow stromal cells *in vitro*, *Int J Radiat Oncol Biol Phys* 1988; 14: 85
 Greenberger PA See Patterson R
 Greenberger R; Khangure MS: exudative choroidal detachment—C.T. features, *Australas Radiol* 1987; 31: 355
 Greenberger R; Khangure MS; Chakera TMH: morbidity of CT air metography: a follow-up of 84 patients, *Clin Radiol* 1987; 38: 535
 Greenblatt D See Kutcher GJ
 Greenblatt SH See Savolaine ER
 Greene AS See Nadel SN
 Greene D See Pointon RS
 Greene ER See Eldridge MW
 Greene ER; Avasthi PS; Hodges JW: noninvasive Doppler assessment of renal artery stenosis and hemodynamics, *JCU* 1987; 15: 653
 Greene GS See Maurer AH
 Greene MF See Benacerraf BR
 Greene R See Ostmann JW
 Greene R: adult respiratory distress syndrome: acute alveolar damage, *Radiology* 1987; 163: 57

- Greene R: lung alterations in thoracic trauma, *J Thorac Imag* 1987; 2: 1
- Greene R; Levitt RG; Miller WT; Anderson DJ; Gelfer WB; Glazer HS; Jost RG; Molina PL; Oestmann JW; Sagel S; Stark P; Steiner R: thoracic radiology: RSNA '87 meeting notes, *Radiology* 1988; 166: 920
- Greene R; Lind S; Jantsch H; et al: pulmonary vascular obstruction in severe ARDS: angiographic alterations after IV fibrinolytic therapy, *AJR* 1987; 148: 501
- Greene R; Miller SW: cross-sectional imaging of silent pulmonary venous anomalies, *Radiology* 1986; 159: 279
- Greene RE See Kushner DC
- Greene WB See Phillips HO
- Greenebaum E See Kutcher R
- Greenes RA See Meyer JE
- Greenes RA: computer-aided diagnostic strategy selection, *Radiol Clin North Am* 1986; 24: 105
- Greenfield AJ See Sanborn TA
- Greenfield LJ See Norris CS
- Greenfield MA See Shukla SS
- Greenleaf JF See Chandrasekaran K
- Greenleaf JF See Sehgal CM
- Greenleaf JF: graphical description of scattering, *Ultrasound Med Biol* 1986; 12: 603
- Greenspan A See Baker ND
- Greenspan A See Schultz E
- Greenspan A See Shankman S
- Greenspan A; Norman A: radial head-capitulum view: expanded imaging approach to elbow injury, *Radiology* 1987; 164: 272
- Greenspan A; Steiner G; Norman A; et al: case report 436, *Skeletal Radiol* 1987; 16: 489
- Greenspan A; Steiner G; Sotelo D; et al: mixed sclerosing bone dysplasia coexisting with dysplasia epiphysealis hemimelica (Trever-Fairbank disease), *Skeletal Radiol* 1986; 15: 452
- Greenspan B See Gersten K
- Greenspan BS See Miller JH
- Greenspan G See Vasquez TE
- Greenspan RH See Smith RC
- Greenstein A See Merimsky E
- Greenstein S; Fishman EK; Kaufman SL; et al: Castleman disease of the retroperitoneum: CT demonstration, *JCAT* 1986; 10: 547
- Greenstein S; Jones B; Fishman EK; et al: small-bowel diverticulitis: CT findings, *AJR* 1986; 147: 271
- Greenwald MJ See Mafee MF
- Greenway G See Kaplan PA
- Greenwood L See Taylor CR
- Greenwood LH See Brown SB
- Greenwood LH See Denny DF Jr
- Greenwood LH See Haffty BG
- Greenwood LH See Morse SS
- Greenwood LH; Glickman MG; Schwartz PE; Morse SS; Denny DF: obstetric and nonmalignant gynecologic bleeding: treatment with angiographic embolization, *Radiology* 1987; 164: 155
- Greenwood LH; Yrizarry JM; Hallett JW Jr: popliteal artery entrapment: importance of the stress runoff for diagnosis, *Cardiovasc Intervent Radiol* 1986; 9: 93
- Greer DM See Couch MW
- Greer DM See Thomas KD
- Greer KL See Floyd CE Jr
- Greer KL See Jaszcak RJ
- Greer S See Perez LM
- Greer T: pocket atlas of normal ultrasound anatomy, *Radiology* 1986; 160: 48
- Greerson T See James AE Jr
- Gregg DC See Sty JR
- Gregg DC See Wells RG
- Gregg DC; Wells RG; Sty JR: lymphoscintigraphy: chylous ascites and lymphocele demonstration, *Clin Nucl Med* 1988; 13: 300
- Gregg JEM See Qureshi SA
- Grégoire J; Parker JA; Holman BL: quantitative radionuclide angiography, *Cardiovasc Intervent Radiol* 1987; 10: 384
- Gregor A See O'Donoghue JA
- Gregoriadis G See Seltzer SE
- Gregorios JB See Post MJD
- Gregory MC See Taylor A Jr
- Gregory PK See Kaplan PA
- Gregory WM See Richards MA
- Gregson R See McCullough KM
- Gregson R See Morris DL
- Gregson RH See Earnshaw JJ
- Gregson RH See Mawhinney RR
- Greif WL See Gale ME
- Greif WL See Widder DJ
- Greitz T See Bergstrom M
- Gremmel H See Koschorek F
- Grendell JH See Jeffrey RB Jr
- Grendell JH See Vernacchia FS
- Grenier N; Grossman RI; Schiebler ML; Yeager BA; Goldberg HI; Kressel HY: degenerative lumbar disk disease: pitfalls and usefulness of MR imaging in detection of vacuum phenomenon, *Radiology* 1987; 164: 861
- Grenier N; Kressel HY; Schiebler ML; Grossman RI; Dalinka MK: normal and degenerative posterior spinal structures: MR imaging, *Radiology* 1987; 165: 517
- Grenier N; Vital J-M; Gesselle J-F; et al: CT-diskography in the evaluation of the postoperative lumbar spine: preliminary results, *Neuroradiol* 1988; 30: 232
- Grenier P See Le Bihan D
- Grenier P See Legmann P
- Grenier P See Musset D
- Grenier P See Pernes JM
- Grenier P; Maurice F; Musset D; Menu Y; Nahum H: bronchiectasis: assessment by thin-section CT, *Radiology* 1986; 161: 95
- Grenier RP See Gal R
- Greselle J-F See Grenier N
- Greselle JF; Zenteno M; Kien P; et al: spontaneous dissection of the vertebro-basilar system: a study of 18 cases (15 patients), *J Neuroradiol* 1987; 14: 115
- Greven KM See Scarzantino CW
- Grevers G See Vogt T
- Greyson ND See Pham DH
- Greyson ND; Ador-Dionisio J: laryngeal injury demonstrated by aerosol ventilation imaging, *Clin Nucl Med* 1988; 13: 204
- Greyson-Fleg RT; Jones B; Fishman EK; et al: computed tomography findings in gastrointestinal involvement by opportunistic organisms in acquired immune deficiency syndrome, *CT* 1986; 10: 175
- Greyson-Fleg RT; Reichmister JF; McCarthy EF; et al: post-traumatic osteochondroma, *J Canad Assoc Radiol* 1987; 38: 195
- Greyson-Fleg RT; Scott WW Jr; Kuhajda FF; et al: fibrosarcoma in a patient with scleroderma, *CT* 1987; 11: 318
- Gribble M See Linastad D
- Griebel J See Hess CF
- Griebel J See Koelbel G
- Grief WL See Widder DJ
- Griend RV; Tomasini J; Ward EF: open reduction and internal fixation of humeral shaft fractures: results using AO plating techniques, (ab), *Radiology* 1986; 160: 859
- Grierson JR See Adam MJ
- Griffen WO See Fried AM
- Griffith LK See Rosen GM
- Griffey BV See Nakada T
- Griffey R See Vinitski S
- Griffey RH See Nakada T
- Griffin BA See Haynor DR
- Griffin BR See Russell KJ
- Griffin BR See Shuman WP
- Griffin C See Enzmann DR
- Griffin C; DeLaPaz R; Enzmann D: magnetic resonance appearance of slow flow vascular malformations of the brainstem, *Neuroradiol* 1987; 29: 306
- Griffin C; DeLaPaz R; Enzmann D; MR and CT correlation of cholesterol cysts of the petrous bone, *AJNR* 1987; 8: 825
- Griffin DJ See Kump DA
- Griffin DJ; Oke EJ; Cho KJ; et al: chemical ablation of the canine kidney using sodium tetracycline sulfate (Sotradecol): histopathologic study, *Invest Radiol* 1986; 21: 217
- Griffin GK; Tatu WF; Fisher LM; et al: systemic lymphangiomas: combined diagnostic approach of lymphangiography and computed tomography, *CT* 1986; 10: 335
- Griffin JF See Foster CJ
- Griffin JF; Short CD; Lawler W; et al: diagnosis of disease in renal allografts: correlation between ultrasound and histology, *Clin Radiol* 1986; 37: 59
- Griffin MR See Beard CM
- Griffin PP See Magid D
- Griffin TW See Laramore GE
- Griffin TW See Russell KJ
- Griffin TW; Wambersie A; Laramore G; et al: high LET: heavy particle trials, *Int J Radiat Oncol Biol Phys* 1988; 14: 583
- Griffioen G See Shaw PC
- Griffith DF See Libby JM
- Griffith J See Osbakken MD
- Griffith MH See Wessels BW
- Griffith RC See Rholl KS
- Griffith RC See Stokes SH
- Griffiths B See Federle MP
- Griffiths DFR; Williams GT; Williams ED: duodenal carcinoid tumours, phaeochromocytoma and neurofibromatosis: islet cell tumour, phaeochromocytoma and the Von Hippel-Landau complex: two distinctive neuroendocrine syndromes, (ab), *Radiology* 1988; 167: 586
- Griffiths DM See Pae RA
- Griffiths GJ See Clements R
- Griffiths GJ; Clements R; Jones DR; et al: ultrasound appearances of prostatic cancer with histological correlation, *Clin Radiol* 1987; 38: 219
- Griffiths H; Ahmed A; Smith CW; et al: specific absorption rate and tissue temperature in local hyperthermia, *Int J Radiat Oncol Biol Phys* 1986; 12: 1997
- Griffiths HJ See DeLibero BB
- Griffiths HJ: angiographic anatomy of the anterior inferior cerebellar artery, *Radiology* 1986; 158: 706
- Griffiths HJ: bone marrow disorders: biological basis of clinical problems, *Radiology* 1986; 160: 142
- Griffiths HJ: Brigham and Women's Hospital handbook of diagnostic imaging, *Radiology* 1986; 161: 400
- Griffiths HJ: cancer treatment symposia. vol. 3, *Radiology* 1986; 161: 610
- Griffiths HJ: carbon-14 in the environment. report 81, *Radiology* 1986; 158: 162
- Griffiths HJ: cranial computed tomography, *Radiology* 1987; 162: 100
- Griffiths HJ: criteria and methods for quality assurance in medical x-ray diagnosis, *Radiology* 1986; 158: 818
- Griffiths HJ: general concepts for the dosimetry of internally deposited radionuclides. report no. 84, *Radiology* 1986; 160: 254
- Griffiths HJ: guide to radiologic practice, *Radiology* 1988; 169: 830
- Griffiths HJ: Herbert M. Parker: publications and other contributions to radiological and health physics, *Radiology* 1987; 163: 352
- Griffiths HJ: introduction to alternative health care delivery systems for radiologists: a resource monograph, *Radiology* 1988; 169: 830
- Griffiths HJ: ionizing radiation exposure of the population of the United States. NCRP report no. 93, *Radiology* 1988; 169: 24
- Griffiths HJ: magnetic resonance imaging of the body, *Radiology* 1988; 168: 456
- Griffiths HJ: manual of clinical magnetic resonance imaging, *Radiology* 1986; 160: 226
- Griffiths HJ: marketing for the radiologist: an introduction, *Radiology* 1988; 169: 830
- Griffiths HJ: musculoskeletal magnetic resonance imaging, *Radiology* 1986; 160: 160
- Griffiths HJ: new developments in imaging: sonography, cine-CT, MRI, *Radiology* 1987; 163: 344
- Griffiths HJ: osteosclerosis, hyperostosis and related disorders, *Radiology* 1988; 169: 310
- Griffiths HJ: protection of the patient in radiation therapy, *Radiology* 1986; 159: 678
- Griffiths HJ: radiation and health, *Radiology* 1988; 169: 510
- Griffiths HJ: radiation dose to patients from radiopharmaceuticals. ICRP publication 53, *Radiology* 1988; 169: 652
- Griffiths HJ: radiodiagnosis of the skull, *Radiology* 1986; 158: 190
- Griffiths HJ: radiology and the law, *Radiology* 1988; 168: 432
- Griffiths HJ: radiology in war, *Radiology* 1988; 168: 868
- Griffiths HJ: recent advances in radiology and medical imaging, *Radiology* 1987; 163: 574
- Griffiths HJ: sectional human anatomy, *Radiology* 1986; 160: 294
- Griffiths HJ: SI units in radiation protection and measurements. report no. 82, *Radiology* 1986; 159: 678
- Griffiths HJ: some issues important in developing basic radiation protection recommendations. report no. 6, *Radiology* 1986; 160: 98
- Griffiths HJ: thoracic outlet syndrome: diagnosis and treatment, *Radiology* 1987; 162: 644
- Griffiths HJ: tumors and pseudotumors of the serous membranes. 2d ser., fasc. 20, *Radiology* 1986; 159: 354
- Griffiths HJ: tumors of the urinary bladder (supplement), 2d ser., fasc. 11, *Radiology* 1986; 159: 442
- Griffiths HJ; Burke J; Bonfiglio TA: granulomatous pseudotumors in total joint replacement, *Skeletal Radiol* 1987; 16: 146
- Griffiths HJ; Sundaram M: pyoderma gangrenosum and erosive peripheral arthritis, *J Canad Assoc Radiol* 1986; 37: 125
- Griffiths HJ; Virtama P: juxta-articular erosions in reflex sympathetic dystrophy, *Acta Radiol* 1988; 29: 183
- Griffiths HJL See Siegelman SS
- Griffiths HJL: bone scanning in clinical practice, *Radiology* 1987; 165: 642
- Griffiths HJL: diagnosis of metabolic bone disease, *Radiology* 1987; 165: 656
- Griffiths HJL: environmental radioactivity: from natural, industrial, and military sources. 3d ed., *Radiology* 1987; 165: 702
- Griffiths HJL: informational review of artifacts in magnetic resonance imaging, *Radiology* 1988; 167: 104
- Griffiths SE See Pearcey RG
- Griffiths SE; Pearcey RG: daily reproducibility of large, complex-shaped radiotherapy fields to the thorax and neck, *Clin Radiol* 1986; 37: 39
- Griffiths SE; Pearcey RG; Thorogood J: quality control in radiotherapy: the reduction of field placement errors, *Int J Radiat Oncol Biol Phys* 1987; 13: 1583
- Griffiths TM See Fitzgerald EJ

- Grigas D See Rose RM
 Grigas TJ See Andrews JC
 Grigioni W See Bolondi L
 Grignon A; Fillard D; Homsy Y; Robitaille P; Fillard R; Boutin H; Leblond R: ureteropelvic junction stenosis: antenatal ultrasonographic diagnosis, postnatal investigation, and follow-up. *Radiology* 1986; 160: 649
 Grignon A; Fillard R; Fillard D; Robitaille P; Homsy Y; Boutin H; Leblond R: urinary tract dilatation in utero: classification and clinical applications. *Radiology* 1986; 160: 645
 Grigorjev YG See Rabkin JE
 Grigsby PW; Kuske RR; Perez CA; et al: medically inoperable stage I adenocarcinoma of the endometrium treated with radiotherapy alone. *Int J Radiat Oncol Biol Phys* 1987; 13: 483
 Grillas D See Passas V
 Grill F See Swoboda W
 Grillo HC See Shepard JO
 Grillo HC; Zanini P: resectional management of airway invasion by thyroid carcinoma. (ab). *Radiology* 1987; 163: 290
 Grimaldi C See Bruneton J-N
 Grimaldi L; Eapen L; McDermot R; et al: does parasternal irradiation reduce thoracic vertebral metastases in breast cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 565
 Grimmerman HAA See Doornbos J
 Grimes AM; Grady CL; Foster NL; et al: central auditory function in Alzheimer's disease. (ab). *Radiology* 1986; 158: 572
 Grimes MM See Austin JHM
 Grimm JO See Segal LS
 Grimmerman AF See Slavin JD Jr
 Grimmerman AF See Spencer RP
 Grimmerman AP; Karimeddini MK; Spencer RP: "pseudo" abdominal sinus inversus following trauma. *Clin Nucl Med* 1986; 11: 809
 Grimmerman AP; Spencer RP: avidity of radiogallium for bone in thalassemia. *Clin Nucl Med* 1987; 12: 758
 Grimmerman AP; Spencer RP: hepatic mass: functioning metastatic thymoma 22 years after radiation therapy. *Clin Nucl Med* 1986; 11: 570
 Grimmerman HE See Rao DV
 Grindlinger GA See Lee VW
 Grines CL; Topol EJ; Bates ER; et al: infarct vessel status after intravenous tissue plasminogen activator and acute coronary angioplasty: prediction of clinical outcome. (ab). *Radiology* 1988; 169: 589
 Griscorn NT See Baker DH
 Griscorn NT See Sussman SK
 Griscorn NT: pediatric radiology: advances and current practices. *Invest Radiol* 1986; 21: 833
 Griscorn NT: pneumonia in children and some of its variants. *Radiology* 1988; 167: 297
 Griscorn NT; Vawter GF; Stigol LC: radiologic and pathologic abnormalities of the trachea in older patients with cystic fibrosis. *AJR* 1987; 148: 691
 Griscorn NT; Wohl MEB: dimensions of the growing trachea related to age and gender. *AJR* 1986; 146: 233
 Grisolan JM See Mafee MF
 Grisoli F See Vincentelli F
 Grissom LE See Harcke HT
 Grissom LE; Harcke HT; Kumar SJ; et al: ultrasound evaluation of hip position in the Pavlik harness. *J Ultrasound Med* 1988; 7: 1
 Grist TM See Jesmanowicz A
 Grist TM See Kneeland JB
 Grist TM; Jesmanowicz A; Francis W; et al: 1.5 T *in vivo* ³¹P NMR spectroscopy of the human liver using a sectorial resonator. *Magn Res Med* 1986; 3: 135
 Grist TM; Jesmanowicz A; Kneeland JB; et al: doubly tuned local coils for MRI and MRS at 1.5 T. *Magn Res Med* 1988; 6: 253
 Gritter JC; Laidlaw WW; Peterson NT: complications of outpatient transbrachial intraarterial digital subtraction angiography: work in progress. *Radiology* 1987; 162: 125
 Gritzman MCD See Podlas HB
 Gritzmann N; Herold C; Haller J; et al: duplex sonography of tumors of the carotid body. *Cardiovasc Intervent Radiol* 1987; 10: 280
 Gritzmann N; Schratter M; Traxler M; et al: sonography and computed tomography in deep cervical lipomas and lipomatosis of the neck. *J Ultrasound Med* 1988; 7: 451
 Grivas A; Manson FN; Vannier MW; et al: post-traumatic orbit evaluation by three-dimensional surface reconstructions. *Comput Med Imag Graph* 1988; 12: 47
 Grizzard JD See Resnik CS
 Groce KA See Williams CO
 Groch MW See Baker J
 Grodd W See Paajanen H
 Grodd W See Revel D
 Grodd W See Schroth G
 Grodd W; Paajanen H; Eriksson UG; et al: comparison of ionic and non-ionic nitrooxide spin labels for urographic enhancement in magnetic resonance imaging. *Acta Radiol* 1987; 28: 593
 Grodinsky C See Watt AC
 Groebe K; Kallinowski F; Vaupel P: is the division of heated tissue into temperature equivalent zones suitable for estimation of tumor blood flow from thermal clearance curves? *Int J Radiat Oncol Biol Phys* 1987; 13: 917
 Groebe K; Vaupel P: evaluation of oxygen diffusion distances in human breast cancer xenografts using tumor-specific *in vivo* data: role of various mechanisms in the development of tumor hypoxia. *Int J Radiat Oncol Biol Phys* 1988; 15: 691
 Groen JP See van der Meulen P
 Grogan JP See Williams AL
 Grogan TM See Newell JD
 Grogan A See Garell LA
 Grolli C See Todros T
 Grolli C; Zucca S; Cesaretti A: congenital chloridorrhea: antenatal ultrasonographic appearance. *JCU* 1986; 14: 293
 Grolmund P; Seiler RW: age dependence of the flow velocity in the basal cerebral arteries—a transcranial Doppler ultrasound study. *Ultrasound Med Biol* 1988; 14: 191
 Grollman JH Jr; Marcus R: transbrachial arteriography: techniques and complications. *Cardiovasc Intervent Radiol* 1988; 11: 32
 Gromadzki ZC See Schell MC
 Grøn P See Andersen JL
 Gronemeyer S See Vannier MW
 Gronow JE See Mitchell DS
 Groshar D See Front D
 Groshar D; Embon OM; Szabon A: comparison of a radionuclide method and catheterization for the measurement of residual volume of urine in the bladder. *Clin Nucl Med* 1987; 12: 363
 Groshar D; Israel O; Barzilai A; et al: value of scintigraphy in the evaluation of a wandering spleen. *Clin Nucl Med* 1986; 11: 42
 Groshar D; Koritny ES; Embon OM; et al: radionuclide measurement of bladder emptying rate: simultaneous comparison with urinary flow rate obtained by uroflowmetry. *Clin Nucl Med* 1988; 13: 363
 Groskin SA See Panicek DM
 Grosman H See Gray RR
 Grosman H See St. Louis EL
 Grosman H See Willinksi RA
 Grosman H; St. Louis EL; Gray RR: role of CT and DSA in cranial sino-venous occlusion. *J Canad Assoc Radiol* 1987; 38: 183
 Gross BH See Buckwalter KA
 Gross BH See Gyves-Ray KM
 Gross BH See Heaver LR
 Gross BH See Howe MA
 Gross BH See Platt JF
 Gross BH See Rebner M
 Gross BH See Spizarny DL
 Gross BH; Felson B; Birnberg FA: respiratory tract in amyloidosis and the plasma cell dyscrasias. *Semin Roentgenol* 1986; 21: 113
 Gross BH; Glazer GM; Orringer MB; Spizarny DL; Flint A: bronchogenic carcinoma metastatic to normal-sized lymph nodes: frequency and significance. *Radiology* 1988; 166: 71
 Gross BH; Spizarny DL; Granke DS: sagittal orientation of the anterior minor fissure: radiography and CT. *Radiology* 1988; 166: 717
 Gross DR See Williams AR
 Gross DR; Williams AR; Wagner-Mann C; et al: thermal and heart rate response to ultrasonic exposure in the second and third trimester dog fetus. *J Ultrasound Med* 1986; 5: 507
 Gross G See Lacomis D
 Gross GW See Spinn PW
 Gross GW; Thornburg AJ; Bellinger MF: normal renal growth in children with myelodysplasia. *AJR* 1986; 146: 615
 Gross M See Kriwisky M
 Gross MD See Francis JR
 Gross MD See Glazer GM
 Gross MD See Lynn MD
 Gross MD See Mountz JM
 Gross MD See Shen S-W
 Gross MD See Starling MR
 Gross MD; Wilton GP; Shapiro B; et al: functional and scintigraphic evaluation of the silent adrenal mass. *J Nucl Med* 1987; 28: 1401
 Gross RC See Villalica J
 Gross RI See Cooper SG
 Gross S See Wiener JJ
 Grossbard EB See Risius B
 Grossman H See Bouvaros A
 Grossman HB See Amendola MA
 Grossman HB See Konchani RP
 Grossman HB See Quint LE
 Grossman RI See Atlas SW
 Grossman RI See De Haan J
 Grossman RI See Goldberg HI
 Grossman RI See Gomori JM
 Grossman RI See Grenier N
 Grossman RI See Hackney DB
 Grossman RI See Hecht-Leavitt C
 Grossman RI See Lenkinski RE
 Grossman RI See Macchi PJ
 Grossman RI See Mintz MC
 Grossman RI See Nowell MA
 Grossman RI See Rubin JJ
 Grossman RI See Spagnoli MV
 Grossman RI See Young SC
 Grossman RI See Zimmerman RA
 Grossman RI; Braffman BH; Brorson JR; Goldberg HI; Silberberg DH; Gonzalez-Scarano F: multiple sclerosis: serial study of gadolinium-enhanced MR imaging. *Radiology* 1988; 169: 117
 Grossman RI; Gomori JM; Goldberg HI; Hackney DB; Atlas SW; Kemp SS; Zimmerman RA; Bilaniuk LT: MR imaging of hemorrhagic conditions of the head and neck. *Radiographics* 1988; 8: 441
 Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH: multiple sclerosis: gadolinium enhancement in MR imaging. *Radiology* 1986; 161: 721
 Grossman RI; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle TJ; McGrath JJ; Curran WJ; Shetty A; Joseph FM: experimental radiation injury: combined MR imaging and spectroscopy. *Radiology* 1988; 169: 305
 Grossman RI; Lisak RP; Macchi PJ; et al: MR of acute experimental allergic encephalomyelitis. *AJNR* 1987; 8: 1045
 Grossman ZD See Rosebrough SF
 Grossman ZD; Rosebrough SF; McAfee JG; Subramanian G; Ritter-Hrncirik CA; Witkowski LS; Tillapaugh-Fay G; Urrutia E: imaging fresh venous thrombi in the dog with I-131 and In-111 labeled fibrin-specific monoclonal antibody and (Fab')₂ fragments. *Radiographics* 1987; 7: 913
 Groth S; Mortensen J; Lange P; et al: imaging of the airways by bronchoscopy for the study of mucociliary clearance. (ab). *Radiology* 1988; 169: 882
 Groth S; Zanic A; Sorenson PB; et al: regional lung function impairment following post-operative radiotherapy for breast cancer using direct or tangential field techniques. *Br J Radiol* 1986; 59: 445
 Grothe RA Jr See Miller TR
 Grottmann P See Smith H-J
 Grou G See Winek TG
 Groves JR; Göthlin JH: simplified slide production in radiology departments. *Eur J Radiol* 1987; 7: 283
 Grube GL See Rouse GA
 Grube T See Jensen KE
 Grucker D; Mauss Y; Steibel J; et al: effect of interpulse delay on NMR transverse relaxation rate of tissues. *Magn Res Imag* 1986; 4: 441
 Gruenewald SM See Fawcett RM
 Grulkey W See Chaplin DJ
 Grulkey WR See Douglas BG
 Grumbach K See Allen KS
 Grumbach K See Brick SH
 Grumbach K See Coleman BG
 Grumbach K See Hall FM
 Grumbach K See Mintz MC
 Grumbach K; Baker DH; Weigert J; et al: biliary tract duplication cyst with gastric heterotopia. *Pediatr Radiol* 1988; 18: 357
 Grumbach K; Coleman BG; Arger PH; Mintz MC; Gabbe SV; Mennuti MT: twin and singleton growth patterns compared using US. *Radiology* 1986; 158: 237
 Grumbach K; Levine MS; Wexler JA: gallstone ileus diagnosed by computed tomography. *JCAT* 1986; 10: 146
 Grun J See Haselgrove J
 Grunbaum Z; Freau SJ; Krohn KA; et al: synthesis and characterization of congeners of misonidazole for imaging hypoxia. *J Nucl Med* 1987; 28: 68
 Grund FM; Ewing SL; Shafer RB: scintigraphic findings in chronic actinomycosis osteomyelitis and associated soft tissue infection. *Clin Nucl Med* 1986; 11: 23
 Grundy A See Kissin CM
 Grundy A; Beili A: balloon dilatation of upper gastrointestinal tract strictures. *Clin Radiol* 1988; 39: 229
 Grunebaum M See Lerman-Sagie T
 Grunebaum M; Ziv N; Kornreich L: sonographic evaluation of the great vessels' interpace in the pediatric retroperitoneum. *Pediatr Radiol* 1986; 16: 384
 Gruntzig AR See Roubin GS
 Grusmark J See Cronan JJ

- Gu DZ See Chen ZX
 Gu L See Alton DJ
 Gu L; Alton DJ; Daneman A; et al: intussusception reduction in children by rectal insufflation of air, *AJR* 1988; 150: 1345
 Gualtieri G See Sotgiu A
 Guben JK See Sanborn TA
 Gubernick I See Tehranzadeh J
 Gubin B See Wallis JW
 Gudeman SK See Macpherson RI
 Gudex D See Miller TL
 Gudinchet F; Schnyder P: mesenteric panniculitis, *Acta Radiol* 1987; 28: 727
 Gudkess DB See Park H-M
 Gudmundsen TE See Pedersen HK
 Guérin F See Jehenson P
 Guérin R; van Doesburg NH; Nicolas E; et al: aspect radiologique et échographique de la maladie de Kawaak: expérience de 75 cas à l'Hôpital Sainte-Justine de Montréal, *J Canad Assoc Radiol* 1986; 37: 229
 Guerra C See Maynar M
 Guerra JJ Jr See Nunez D Jr
 Guerra JJ Jr See Sartoris DJ
 Guerra WF See Anders KH
 Guerrier B See Dobois JB
 Guerrini P See Vesce F
 Guerry-Force ML See Müller NI
 Gurtler-Krawczynska E See DeFuey EG
 Guest SS; Sivit CJ; Meisler WJ; et al: intracranial tuberculosis due to *Mycobacterium bovis*, *Comput Radiol* 1987; 11: 151
 Gugenheim J; Ciardullo M; Traynor O; et al: bronchobiliary fistulas in adults, (ab), *Radiology* 1988; 167: 884
 Guggiana P See Mourad K
 Gugliantini P See Fasanelli S
 Guglielmi GE See Yeager BA
 Guglielmo FF; Rao VM; Prestipino AJ; et al: CT findings in recurrent submandibular pleomorphic adenoma with metastasis, *JCAT* 1987; 11: 1098
 Guhl L See Schroth G
 Guillard J-M; Kien P; Colombani S; et al: intradiploic epidermoid cysts in adults: CT contribution to diagnosis in 6 new cases, *J Neuroradiol* 1986; 13: 22
 Guice SL See Kutcher WA
 Guidetti B See Palma L
 Guidoni L; Mariutti G; Rampelli GM; et al: mobile phospholipid signals in NMR spectra of cultured human adenocarcinoma cells, *Magn Res Med* 1987; 5: 578
 Guigui B See Mathieu D
 Guilbeau JC; Mazoyer BM; Provost P; et al: chest radiography with a shaped filter at 140 kVp: its diagnostic accuracy compared with that of standard radiographs, *AJR* 1988; 150: 1007
 Guilbert F See Peron J-M
 Guilburd JN See Borovich B
 Guilburd JN See Braun J
 Guilford WB See Lyako JE
 Guilford WB See Phillips HO
 Guillaumin E; Jeffrey RB Jr; Shea WJ; Asling CW; Goldberg HI: perirectal inflammatory disease: CT findings, *Radiology* 1986; 161: 153
 Guillaumin ES See Federle MP
 Guilleux M-H; Steiner RE; Young IR: MR imaging in progressive multifocal leukoencephalopathy, *AJNR* 1986; 7: 1033
 Guillou F See Laisny J
 Guillou FJ See Ubbi CS
 Guimaraes L See Clavier E
 Guimaraes L See Laurent A
 Guimaraes L See Reizine D
 Guimaraes L See Rufenacht D-A
 Guimaraes A See Pinto JA
 Guinan EC See Tarbell NJ
 Guindi MM; Troster MM; Walley VM: three cases of an unusual foreign body in small bowel, *Gastrointest Radiol* 1987; 12: 240
 Guinet C See Buy J-N
 Guinet C See Mathieu D
 Guinet C; Buy J-N; Sezeur A; et al: preoperative assessment of the extension of rectal carcinoma: correlation of MR, surgical, and histopathologic findings, *JCAT* 1988; 12: 209
 Guinet C; Mathieu D; Metreau J-M; et al: unusual hepatic venous drainage in inferior vena cava obstruction: demonstration by MRI, *AJR* 1986; 147: 635
 Guinto FC Jr See Kumar R
 Guinto FC Jr See Mirfakhraee M
 Guil GL; Blumem R; Rohmer J; Wenink AC; Chin JG; Doornbos J; van Voorthuisen AE: levotransposition of the aorta: identification of segmental cardiac anatomy using MR imaging, *Radiology* 1986; 161: 673
 Guitt GL; Kroon HM; Chin JG; et al: radionuclide angiography in the clinical evaluation of cardiac malpositions in situs solitus in adults, *J Nucl Med* 1986; 27: 484
 Guitt GL; Kroon HM; Chin JG; Pauwels EK; van Voorthuisen AE: congenitally corrected transposition in the adult: detection by radionuclide angiography: reply, *Radiology* 1986; 160: 854
 Guize L See Jehenson P
 Gulati AN See Jensen ME
 Gulenchyn KY See Ballinger JR
 Gulenchyn KY; Dover MK; Kelly S: splenic hemangioma presenting as a "hot spot" on radiocolloid scintigraphy, *J Nucl Med* 1986; 27: 804
 Gulenchyn KY; Papoff W: technetium-99m MDP scintigraphy: insensitive tool for the detection of bone marrow metastases, *Clin Nucl Med* 1987; 12: 45
 Gulino LA; Tirone GM; Clarke PG: radiologists' roles in mammography, *Radiology* 1988; 169: 873
 Gullberg GT See Malko JA
 Gullberg GT See Tsui BMW
 Gullberg GT See Wehrli FW
 Gullberg GT; Simons MA; Wehrli FW: mathematical model for signal from spins flowing during the application of spin echo pulse sequences, *Magn Res Imag* 1988; 6: 437
 Gullberg GT; Wehrli FW; Shimakawa A; Simons MA: MR vascular imaging with a fast gradient refocusing pulse sequence and reformatted images from transaxial sections, *Radiology* 1987; 165: 241
 Gullberg P See Langstrom B
 Gulliver D; Noakes J: myelographic differentiation of spinal cord arteriovenous malformations from the normal population, *Australas Radiol* 1988; 32: 57
 Gulliver D; Noakes J: myelographic correlations of vascular anatomy of the spinal cord, *Australas Radiol* 1988; 32: 65
 Gulsvik A See Pedersen OM
 Gulyas S See Whitmore GF
 Gum GK; Numaguchi Y; Foster RW; et al: superior sagittal sinus thrombosis with intracerebral hematoma, *Comput Radiol* 1987; 11: 199
 Gumbs RV; Higginsbotham-Ford EA; Teal JS; et al: thoracic extramedullary hematopoiesis in sickle cell disease, *AJR* 1987; 149: 889
 Gump FE; Shikora S; Habib DV; et al: extent and distribution of cancer in breasts with palpable primary tumors, (ab), *Radiology* 1987; 163: 588
 Gunasekera R See Ichiya Y
 Gundersen AL See Landercasper J
 Gundersen GA See Caplan RH
 Gundersen SB See Landercasper J
 Gundersen CH See Jabbari B
 Gundersen LL See Heilmann HP
 Gundersen LL See Tepper JE
 Gundersen LL; Martin JK; Kvols LK; et al: intraoperative and external beam irradiation ± 5-FU for locally advanced pancreatic cancer, *Int J Radiat Oncol Biol Phys* 1987; 13: 319
 Gundersen LL; Martin JK; O'Connell MJ; et al: local control and survival in locally advanced gastrointestinal cancer, *Int J Radiat Oncol Biol Phys* 1986; 12: 661
 Gunn TR See Brown J
 Gunn W See Kaufman J
 Gunning JE See Worthen NJ
 Gunning W See Savolaine ER
 Gunter K See McNeal GR
 Günther RW See Vorwerk D
 Günther RW; Schild H; Hollman JP; et al: first clinical results with a new caval filter, *Cardiovasc Intervent Radiol* 1987; 10: 104
 Günther RW; Schild H; Thelen M: review article: percutaneous transhepatic biliary drainage: experience with 311 procedures, *Cardiovasc Intervent Radiol* 1988; 11: 65
 Guntheroth WG See Cyr DR
 Guo W-Y See Teng MMH
 Gupta AK See Bartle WR
 Gupta AK; Arenson A-M; McKee JD; et al: effect of steroid ingestion on pancreatic echogenicity, *JCU* 1986; 15: 171
 Gupta AK; Berry M; Bhargava S: atypical target pattern: sonography in GIT lesions, *Australas Radiol* 1987; 31: 281
 Gupta AK; Berry M; Bhargava S: sonographic double target in a case of type I cecal duplication cyst, *JCU* 1987; 15: 273
 Gupta AK; Bhargava S: bladder hemangioma: ultrasonographic demonstration, *Urol Radiol* 1987; 9: 181
 Gupta AK; Bhargava S: juvenile xanthogranuloma with pulmonary lesions, *Pediatr Radiol* 1988; 18: 70
 Gupta AK; Bhargava S; Rohtagi M: anal agenesis with recto-bulbar fistula, *Pediatr Radiol* 1986; 16: 222
 Gupta BK See Nally JV Jr
 Gupta JP See Gupta SK
 Gupta KL See Duvall ER
 Gupta KL See Vitek JJ
 Gupta NK See Fritz SL
 Gupta NK; Pointon RCS; Wilkinson PM: randomised clinical trial to contrast radiotherapy with radiotherapy and methotrexate given synchronously in head and neck cancer, *Clin Radiol* 1987; 38: 575
 Gupta R See Nagi B
 Gupta R; Devi PU: protection of mouse chromosomes against whole-body gamma irradiation by SH-compounds, *Br J Radiol* 1986; 59: 625
 Gupta R; Woodham CH: unusual ultrasound appearance of the spleen—case of hereditary spherocytosis, *Br J Radiol* 1986; 59: 284
 Gupta RK See Dowd TL
 Gupta RK See Pant CS
 Gupta RK See Saha MM
 Gupta RK; Chawla R; Pant CS: case of the month: rounded opacity in a young man's chest, *Br J Radiol* 1987; 60: 411
 Gupta RK; Jena A; Sharma A; et al: MR imaging of intracranial tuberculomas, *JCAT* 1988; 12: 280
 Gupta RK; Pant CS; Ganguly SK: ultrasound demonstration of amebic splenic abscess, *JCU* 1987; 15: 555
 Gupta RK; Pant CS; Mathur ML: hepato-duodenal fistula, *Eur J Radiol* 1987; 7: 151
 Gupta RK; Pant CS; Prakash R; et al: sonography in complicated hepatic amoebic abscess, *Clin Radiol* 1987; 38: 123
 Gupta RK; Pant CS; Sharma A; et al: ultrasound diagnosis of multiple cystic encephalomalacia, *Pediatr Radiol* 1988; 18: 6
 Gupta RK; Saha MM: multiple stress fractures, *Australas Radiol* 1986; 30: 57
 Gupta RP See Mohan V
 Gupta S See Bushnell DL
 Gupta S See Gillespie JE
 Gupta SC See Biset RAL
 Gupta SC See Rothwell CI
 Gupta SC See Thomas NB
 Gupta SD See Sarda AK
 Gupta SK See Mohan V
 Gupta SK See Rutherford RB
 Gupta SK; Jain AK; Gupta JP; et al: duodenal tuberculosis, *Clin Radiol* 1988; 39: 159
 Gupta SM See Johns WD
 Gupta SM See Patel YP
 Gupta SM; Foster CR; Kayani N: usefulness of SPECT in the early detection of avascular necrosis of the knees, *Clin Nucl Med* 1987; 12: 99
 Gupta SM; Frias J; Garg A; et al: aberrant cerebrospinal fluid pathway: detection by scintigraphy, *Clin Nucl Med* 1986; 11: 593
 Gur D See Darby JM
 Gur D See Fuhrman CK
 Gur D See Latchaw RE
 Gur D; Wald N: probability of causation tables and their possible implications for the practice of diagnostic radiology, *Radiology* 1986; 158: 853
 Gurdak RG See Tatu WF
 Gurevich N See Segall GM
 Gurney JW See Ruskin JA
 Gurney JW: absent dens on submentovertex view of the skull: new sign of an abnormal odontoid, *J Canad Assoc Radiol* 1986; 37: 38
 Gurney JW; Arnold S; Goodman LR: impending cardiac herniation: snow cone sign, *Radiology* 1986; 161: 653
 Gurney JW; Harrison WC; Sears K; Robbins RA; Dobry CA; Rennard SI: bronchoalveolar lavage: radiographic manifestations, *Radiology* 1987; 163: 71
 Gurney JW; Schroeder BA: upper lobe lung disease: physiologic correlates, review, *Radiology* 1988; 167: 359
 Gurney JW; Wigton RS: computerized reference management—filing the literature, *AJR* 1987; 149: 411
 Gurney JW; Wigton RS: computerized reference management: searching the literature, *AJR* 1986; 147: 641
 Gurret JP See Hauser H
 Gurret JP; Ody B; Megevrand M: carcinoma of the urachus demonstrated by CT, *Eur J Radiol* 1987; 7: 142
 Gurses N See Gurses N
 Gurses N See Ozkan K
 Gurses N; Sangur R; Gurses N; et al: ultrasound diagnosis of liver hydatid disease, *Acta Radiol* 1987; 28: 161
 Gushkin B See Coel M
 Gussard DA See Naidich TP
 Gussard DA; Naidich TP; Yousefzadeh DK; et al: ultrasonic anatomy of the normal neonatal and infant spine: correlation with cryomicrotome sections and CT, *Neuroradiol* 1986; 28: 493
 Gussenhoven EJ; van Herwerden LA; Roelandt J; et al: detailed analysis of aortic valve endocarditis: comparison of precordial, esophageal and epicardial two-dimensional echocardiography with surgical findings, *JCU* 1986; 14: 209
 Gussman D See Mintz MC
 Gussman D See Mitchell DG
 Gustafson RB See Thompson TT
 Gustafson T See Brismar J
 Gutcheck RA See Goodsitt MM
 Guten GN See Kohn HS
 Guten GN See Veluvola P
 Guthaner DF See Peterson IM

- Guthaner DF; Schnittiger I; Wright A; et al: diagnostic challenges following cardiac transplantation, *Radiol Clin North Am* 1987; 25: 367
- Gutierrez F See Katz ME
- Gutierrez F See Unger E
- Gutierrez FR See Rholl KS
- Gutierrez FR See Vannier MW
- Gutierrez OH See Burgener FA
- Gutierrez OH See Gonda RL Jr
- Gutierrez OH See Gramiak R
- Gutierrez OH; Burgener FA: mesenchymal hamartoma of the liver in an adult: radiologic diagnosis, *Gastrointest Radiol* 1988; 13: 341
- Gutierrez OH; Desai S; Burgener FA: leiomyosarcoma of the inferior vena cava (IVC) with intracardiac extension, *Eur J Radiol* 1986; 6: 153
- Gutin PH See See G
- Gutin PH See Turuwaki K
- Gutjahr P See Higer HP
- Gutte J See Denham JW
- Guttman F See Jequier S
- Guy AW See Shuman WP
- Guyer FB See English RE
- Guyer FB; Chamberlain AT: Paget's disease of bone in South Africa, *Clin Radiol* 1988; 39: 51
- Guyer FB; Dewbury KC: sonomammography in benign breast disease, *Br J Radiol* 1988; 61: 374
- Guyer FB; Dewbury KC; Warwick D; et al: direct contact B-scan ultrasound in the diagnosis of solid breast masses, *Clin Radiol* 1986; 37: 451
- Guyot DR; Manoli A II; Kling GA: pyogenic sacroiliitis in IV drug abusers, *AJR* 1987; 149: 1209
- Guyot M See Brendel AJ
- Guze BH; Hawkins R: utility of SPECT liver-spleen imaging in the evaluation of a possible accessory spleen, *Clin Nucl Med* 1988; 13: 496
- Guzzetta F; Shackelford GD; Volpe S; et al: periventricular intraparenchymal echodensities in the premature newborn: critical determinant of neurologic outcome, (ab), *Radiology* 1987; 164: 294
- Guzzetta P See Buras R
- Gwilt DJ See Mahendran M
- Gwynn JL See Senac MO Jr
- Gyde SN; Prior P; Allan RN; et al: colorectal cancer in ulcerative colitis: a cohort study of primary referrals from three centers, (ab), *Radiology* 1988; 169: 286
- Gyenes G See Fodor J
- Gyepes MT See Rowen SJ
- Gyl B See Wilbur AC
- Gyldensted C See Ketonen L
- Gyls-Morin V See Martin JF
- Gyls-Morin V See vanSonnenberg E
- Gyls-Morin V See Zlatkin MB
- Gyls-Morin VM See Hajek PC
- Gyls-Morin VM See Mattrey RF
- Gyls-Morin VM; Hajek PC; Sartoris DJ; et al: articular cartilage defects: detectability in cadaver knees with MR, *AJR* 1987; 148: 1153
- Gyngell ML: application of steady-state free precession in rapid 2DFT NMR imaging: fast and CE-fast sequences, *Magn Res Imag* 1988; 6: 415
- Gyobu T See Matsuda H
- Gyoffry EJ; Frey CF; Silva J Jr; et al: pyogenic liver abscess: diagnostic and therapeutic strategies, (ab), *Radiology* 1988; 167: 883
- Gyoffry-Wagner Z See Englund E
- Gyoffry-Wagner Z; Englund E; Larsson EM; et al: proton magnetic resonance relaxation times T1 and T2 related to postmortem interval: investigation on porcine brain tissue, *Acta Radiol* 1986; 27: 115
- Gyves J See Arnstein NB
- Gyves-Ray KM; Spizarny DL; Gross BH: unilateral pulmonary edema due to postlobectomy pulmonary vein thrombosis, *AJR* 1987; 148: 1079
- Haacke EM; Lenz GW: improving MR image quality in the presence of motion by using rephasing gradients, *AJR* 1987; 148: 1251
- Haacke EM; Patrick JL: reducing motion artifacts in two-dimensional Fourier transform imaging, *Magn Res Imag* 1986; 4: 359
- Haaga JR See Dickey JE
- Haaga JR See Goldberg RE
- Haaga JR See Hueftle MG
- Haaga JR See Morris J
- Haaga JR See Naheedy MH
- Haaga JR See Rao BK
- Haaga JR See Sutton CS
- Haaga JR; Beale SM: use of CO₂ to move structures as an aid to percutaneous procedures, *Radiology* 1986; 161: 829
- Haaga JR; Bick RJ; Zollinger RM Jr: CT-guided percutaneous catheter cecostomy, *Gastrointest Radiol* 1987; 12: 166
- Haaga JR; Owens DB; Kellermeyer RW; et al: CT guided interstitial therapy of pancreatic carcinoma, *JCAT* 1987; 11: 1077
- Haagsma EB See Freling NJM
- Haan J See Bernsen PLJA
- Haapanen AA; Dean PB: renal vein ethanol concentration during ablation of renal cell carcinoma, *Cardiovasc Intervent Radiol* 1986; 9: 205
- Haas DK See Holland BA
- Haas GP See Nathanson SD
- Haas JS; Dean RD; Mansfield CM: dosimetric comparison of the Fletcher family of gynecologic colpostats 1950-1980, (ab), *Radiology* 1986; 158: 576
- Haase A See Frahm J
- Haase A See Matthaei D
- Haase A: localization of unaffected spins in NMR imaging and spectroscopy (LOCUS spectroscopy), *Magn Res Med* 1986; 3: 963
- Haase A; Frahm J; Matthaei D; Hanicke W; Bomsdorf H; Kunz D; Tschler R: MR imaging using stimulated echoes (STEAM), *Radiology* 1986; 160: 787
- Haase A; Leibfritz D; Werk W: ³¹P FLASH NMR imaging, *Magn Res Med* 1988; 7: 358
- Haase A; Matthaei D; Hanicke W; Frahm J: dynamic digital subtraction imaging using fast low-angle shot MR movie sequences, *Radiology* 1986; 160: 537
- Habibick BF See Jacobsen LE
- Haberland C See Merchut MP
- Habermann ET: total joint replacement: overview, *Semin Roentgenol* 1986; 21: 7
- Habeshaw T See Symonds RP
- Habibian MR; Hinton AA: scintigraphic demonstration of mesenteric metastasis invading small bowel, *Clin Nucl Med* 1986; 11: 442
- Habibollahi F; Mayles HMO; Mayles WPM; et al: assessment of skin dose and its relation to cosmesis in the conservative treatment of early breast cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 291
- Habif DV; et al See Cump EE
- Haboubi NY See Martin DF
- Habrand JL See Dionet C
- Habuchi Y See Ikekubo K
- Hachinski VC; Potter P; Merskey H: leuko-araosis, (ab), *Radiology* 1987; 164: 294
- Hachiya J See Itai Y
- Hack SN; Chang M; Line BR; et al: acquisition of gamma camera and physiological data by computer, *J Nucl Med* 1986; 27: 1755
- Hack SN; Hammer BE: site planning for clinical NMR systems, *Magn Res Imag* 1986; 4: 525
- Hacker NF See Thomas GM
- Hackett RL See Khan SR
- Hacking PM See Tait NP
- Hackney DB See Atlas SW
- Hackney DB See Curran WJ
- Hackney DB See Gomori JM
- Hackney DB See Grossman RI
- Hackney DB See Nowell MA
- Hackney DB See Spagnoli MV
- Hackney DB See Zimmerman RA
- Hackney DB; Asato R; Joseph PM; Carvlin MJ; McGrath JT; Grossman RI; Kassab EA; DeSimone D: hemorrhage and edema in acute spinal cord compression: demonstration by MR imaging, *Radiology* 1986; 161: 387
- Hackney DB; Atlas SW; Grossman RI; Gomori JM; Goldberg HI; Zimmerman RA; Bilaniuk LT: subacute intracranial hemorrhage: contribution of spin density to appearance on spin-echo MR images, *Radiology* 1987; 165: 199
- Hackney DB; Grossman RI; Zimmerman RA; et al: low sensitivity of clinical MR imaging to small changes in the concentration of nonparamagnetic protein, *AJNR* 1987; 8: 1003
- Hackney DB; Grossman RI; Zimmerman RA; et al: MR characteristics of iophendylate (Pantopaque), *JCAT* 1986; 10: 401
- Hackney DB; Lenkinski RE; Grossman RI; et al: initial experience with fast low-angle multiecho (FLAME) imaging of the central nervous system, *JCAT* 1988; 12: 171
- Hackney DB; Lesnick JE; Zimmerman RA; et al: MR identification of bleeding site in subarachnoid hemorrhage with multiple intracranial aneurysms, *JCAT* 1986; 10: 878
- Hadar H See Atlan H
- Hadar H See Lanir A
- Hadar H; Gadot N; Schreiber R; et al: evaluation of renal angiomylipoma by traditional and modern imaging in a case of tuberous sclerosis, *CT* 1987; 11: 67
- Haddad E See Le Bourgeois JP
- Haddad MC See Sakouk FA
- Haddad RG See Miniaci A
- Haddad SN See Ghossain MA
- Haden HT; Lippman HR: gallium localization in dissecting aortic aneurysm, *Clin Nucl Med* 1988; 13: 569
- Hadfield R See Fishman EK
- Hadjipavlou AG See Lander PH
- Hadjipavlou AG See Zlatkin MB
- Hadley DM See Macpherson P
- Hadley DM; Teasdale GM; Jenkins A; et al: magnetic resonance imaging in acute head injury, *Clin Radiol* 1988; 39: 131
- Hadley GP; Rabe E: scanning with iodine-131 MIBG in children with solid tumors: initial appraisal, *J Nucl Med* 1986; 27: 620
- Hadley K See Laing FC
- Hadlock FP See Rossavik IK
- Haentjens M; Piepsz AJ; Schell-Frederick E; et al: limitations in the use of indium-111-oxine-labeled leukocytes for the diagnosis of occult infection in children, *Pediatr Radiol* 1987; 17: 139
- Hafermann MD See Jones D
- Hafermann MD; Gibbons RF; Murphy GP: quality control of radiation therapy in multi-institutional randomized clinical trial for localized prostate cancer, (ab), *Radiology* 1988; 169: 289
- Haffty BG; Goldberg NB; Gerstley J; et al: results of radical radiation therapy in clinical stage I, technically operable non-small cell lung cancer, *Int J Radiat Oncol Biol Phys* 1988; 15: 69
- Haffty BG; Mate TP; Greenwood LH; Peschel RE; Weissberg JB: malignant biliary obstruction: intracavitary treatment with a high-dose-rate remote afterloading device, *Radiology* 1987; 164: 574
- Hafstein MP See Devereux CK
- Haft JJ; Altieri J; Smith LG; et al: computed tomography of the abdomen in the diagnosis of splenic emboli, (ab), *Radiology* 1988; 168: 291
- Hagaman RM See Newell JD
- Hagan DP See Drane WE
- Hagan JJ; Yost FJ; Nickoloff EJ: prekallikrein activation, C1 esterase inhibitor, and factor XII as predictors of adverse reaction to contrast media: prospective study, *Invest Radiol* 1987; 22: 490
- Hagan P See Halpern SE
- Hagan PL See Ryan KP
- Hagan PL; Halpern SE; Dillman RO; et al: tumor size: effect on monoclonal antibody uptake in tumor models, *J Nucl Med* 1986; 27: 422
- Hagberg DJ See Harnish PP
- Hagberg S See Martenson G
- Hagemeister FB See Fuller LM
- Hagemeister FB See North LB
- Hagerstrand I See Bergstrom M
- Hagerstrand I; Stridbeck H
- Haggan AH See Sandler MA
- Haggan AM See Glickstein MF
- Haggan AM; Alpern MB; Froelich JW: MR identification of seminal vesicles simulating a presacral mass after abdominal perineal resection, *AJR* 1988; 151: 519
- Haggan AM; Froelich JW: MR imaging strategies in primary and metastatic malignancy, *Radiol Clin North Am* 1988; 26: 689
- Haggan AM; Pearlberg JL; Froelich JW; et al: chest-wall invasion by carcinoma of the lung: detection by MR imaging, *AJR* 1987; 148: 1075
- Haggan AM; Froelich JW; Hearnshen DO; et al: meniscal abnormalities of the knee: 3DFT fast-scan GRASS MR imaging, *AJR* 1988; 150: 1341
- Haggitt RC See Kimmey MB
- Haggitt RC See Wang KY
- Hagglund G; Hansson LI; Ordeberg G; et al: bilaterality in slipped upper femoral epiphysis, (ab), *Radiology* 1988; 169: 293
- Haggmark C See Theorell T
- Haggstrom JA; Brown JC; Marsh PW: eosinophilic granuloma of the spine: MR demonstration, *JCAT* 1988; 12: 344
- Haghighi P See Björkengren AG
- Haghighi P See Dowd CF
- Haghighi P See Hajek PC
- Haghighi P See Kursunoglu S
- Haghighi P See Pate D
- Haghighi P See Sartoris DJ
- Hahn D See Heywang SH
- Hahn FJ See Lee SH

H

Haacke EM See Alfidri RJ

Haacke EM See Bellon EM

Haacke EM See Hopkins AL

Haacke EM See Lenz GW

Haacke EM See Masaryk TJ

Haacke EM See Szevenyi NM

Haacke EM See Thach JA

Haacke EM: effects of finite sampling in spin-echo or field-echo magnetic resonance imaging, *Magn Res Med* 1987; 4: 407

Haacke EM; Bearden FH; Clayton JR; Linga NR: reduction of MR imaging time by the hybrid fast-scan technique, *Radiology* 1986; 158: 521

- Hahn FJ See Lieberman RP
- Hahn FJ; Chu W-K; Coleman PE; et al: artifacts and diagnostic pitfalls on magnetic resonance imaging: a clinical review, *Radiol Clin North Am* 1988; 26: 717
- Hahn FJ; Leibrock LG; Huseman CA; et al: MR appearance of hypothalamic hamartoma, *Neuroradiol* 1988; 30: 65
- Hahn FJ; Ong E; McComb RD; et al: MR imaging of ruptured intracranial dermoid, *JCAT* 1986; 10: 888
- Hahn FJ; Ong E; McComb RD; et al: peripheral signal void ring in giant vertebral aneurysm: MR and pathology findings, *JCAT* 1986; 10: 1036
- Hahn GM See González-Méndez R
- Hahn GM See Sekiguchi R
- Hahn P; Shalev S; Therrien P: colour visualization as an aid to the comparison of treatment plans for prostatic carcinoma, *Acta Oncol* 1987; 26: 313
- Hahn PF See Bousquet J-C
- Hahn PF See Edelman RR
- Hahn PF See Mueller PR
- Hahn PF See Papanicolaou N
- Hahn PF See Saini S
- Hahn PF See Silverman SG
- Hahn PF See Stark DD
- Hahn PF See Steiner E
- Hahn PF See Weissleder R
- Hahn PF; Saini S; Stark DD; et al: intraabdominal hematoma: concentric-ring sign in MR imaging, *AJR* 1987; 148: 115
- Hahn PF; Stark DD; Saini S; Lewis JM; Wittenberg J; Ferrucci JT Jr: ferrite particles for bowel contrast in MR imaging: design issues and feasibility studies, *Radiology* 1987; 164: 37
- Hahn PF; Stark DD; Vici L-G; Ferrucci JT Jr: duodenal hematoma: ring sign in MR imaging, *Radiology* 1986; 159: 379
- Hahn PF; Weissleder R; Stark DD; et al: MR imaging of focal splenic tumors, *AJR* 1988; 150: 823
- Hahn SS See Spaulding CA
- Hahn SS; Spaulding CA; Kim J-A; et al: prognostic significance of lymph node involvement in pyriform sinus and supraglottic cancers, *Int J Radiat Oncol Biol Phys* 1987; 13: 1143
- Hahnse HJ See Bursch JH
- Haida M See Shioya S
- Haider T See Sogn EE
- Haie CM See Eache BA
- Haik BG See Mafee MF
- Haik BG See Peyster RG
- Hainau B See Sehested M
- Haindl W See Halpern SE
- Haines JE See Specht HD
- Haisma HJ; Hilgers J; Zurawski VR Jr: iodination of monoclonal antibodies for diagnosis and radiotherapy using a convenient one vial method, *J Nucl Med* 1986; 27: 1890
- Hait WN See Kennedy KA
- Hajek P See Martin JF
- Hajek P See Ritschl P
- Hajek P See Schindler E
- Hajek P See vanSonnenberg E
- Hajek PC See Baker LL
- Hajek PC See Gylis-Morin VM
- Hajek PC See Mattrey RF
- Hajek PC; Baker LL; Björkengren A; et al: high-resolution magnetic resonance imaging of the ankle: normal anatomy, *Skeletal Radiol* 1986; 15: 536
- Hajek PC; Baker LL; Goobar JE; Sartoris DJ; Hesselink JR; Haghighi P; Resnick D: focal fat deposition in axial bone marrow: MR characteristics, *Radiology* 1987; 162: 245
- Hajek PC; Baker LL; Sartoris DJ; Neumann CH; Resnick D: MR arthrography: anatomic-pathologic investigation, *Radiology* 1987; 163: 141
- Hajek PC; Gylis-Morin VM; Baker LL; et al: high signal intensity meniscus of the knee: magnetic resonance evaluation and in vivo correlation, *Invest Radiol* 1987; 22: 883
- Hajek PC; Gylis-Morin VM; Stavos J; vanSonnenberg E: localization grid for MR-guided biopsy, *Radiology* 1987; 163: 825
- Hajek PC; Salomonowitz E; Turk R; Tscholokoff D; Kumpun W; Czembirek H: lymph nodes of the neck: evaluation with US, *Radiology* 1986; 158: 739
- Hajek PC; Sartoris DJ; Neumann CH; et al: potential contrast agents for MR arthrography: in vitro evaluation and practical observations, *AJR* 1987; 149: 97
- Håkansson L See Starkhammar H
- Hakes TB See Cote RJ
- Hakim TS See Libsona R
- Hakki A-H See Iskandrian AS
- Hakki A-H See Nestico PF
- Hakuba A See Inoue Y
- Hakuba A See Komiya M
- Halama JR; Henkin RE; Friend LE: gamma camera radionuclide images: improved contrast with energy-weighted acquisition, *Radiology* 1988; 169: 533
- Halasa C; Quon D; Freshaw RM; et al: radiographic and sonographic findings in spontaneous retrograde intussusception, *J Canad Assoc Radiol* 1987; 38: 294
- Halasz NA See Neff CC
- Halasz NA See vanSonnenberg E
- Halasz NA: differential diagnosis of renal transplant rejection: is MR imaging the answer?, *AJR* 1986; 147: 954
- Halasz NA; Gamboa EA; Ward DM; et al: kidney transplantation in the cyclosporine era, (ab), *Radiology* 1988; 166: 591
- Halbach VV See Goto K
- Halbach VV See Hieshima GB
- Halbach VV See Higashida RT
- Halbach VV See Reicher MA
- Halbach VV See Tsuruda JS
- Halbach VV See Yang PJ
- Halbach VV; Hieshima GB; Higashida RT; et al: carotid cavernous fistulas: indications for urgent treatment, *AJNR* 1987; 8: 627
- Halbach VV; Higashida RT; Hieshima GB; et al: normal perfusion pressure breakthrough occurring during treatment of carotid and vertebral fistulas, *AJNR* 1987; 8: 751
- Halbach VV; Higashida RT; Hieshima GB; et al: transvenous embolization of direct carotid cavernous fistulas, *AJNR* 1988; 9: 741
- Halbach VV; Higashida RT; Hieshima GB; et al: treatment of dural arteriovenous malformations involving the superior sagittal sinus, *AJNR* 1988; 9: 337
- Halbach VV; Higashida RT; Hieshima GB: treatment of vertebral arteriovenous fistulas, *AJNR* 1987; 8: 1121
- Halbach VV; Higashida RT; Hieshima GB; Goto K; Norman D; Newton TH: dural fistulas involving the transverse and sigmoid sinuses: results of treatment in 28 patients, *Radiology* 1987; 163: 443
- Halbach VV; Higashida RT; Hieshima GB; Hardin CW: arteriovenous fistula of the internal maxillary artery: treatment with transarterial embolization, *Radiology* 1988; 168: 443
- Halbach VV; Higashida RT; Hieshima GB; Reicher MA; Norman D; Newton TH: dural fistulas involving the cavernous sinus: results of treatment in 30 patients, *Radiology* 1987; 163: 437
- Hald JK See Turski PA
- Hald JK; Jakobsen JA; Andrew E; et al: adverse reactions to contrast media: related to medium or procedure? observations on a case, *Br J Radiol* 1986; 61: 337
- Hald T See Lorentzen T
- Halden WJ Jr; White RI Jr; Bright J; Mitchell SE; Chang R: vessel sizing wire: accurate vessel measurement using digital subtraction arteriography, *Radiology* 1986; 161: 556
- Hale JD See Crooks LE
- Hale JD See Feinberg DA
- Hale JD See Valk PE
- Hale JD See Wesley GE
- Halevy A See Curati WL
- Haley WE See Summers MN
- Halganset J See Nordby A
- Halimi F; Doyon D; Bekkali F; et al: contribution of computerized tomography to the radiological study of craniofacial injuries: 34 cases, *J Neuroradiol* 1986; 13: 253
- Halimi F; Sigal R; Doyon D; et al: post-traumatic diabetes insipidus: MR demonstration of pituitary stalk rupture, *JCAT* 1988; 12: 135
- Halimi PH See Doyon D
- Halkar R See Owunwanne A
- Halken RK See Khamash NF
- Halken S See Høst A
- Hall A See Kwan ESK
- Hall AG; Taylor R; Evans RGB; et al: case report: Hodgkin's disease involving the large bowel, *Clin Radiol* 1988; 39: 193
- Hall AJ See Cooper C
- Hall AS See Dickinson RJ
- Hall AS See Harman RR
- Hall AS See Young IR
- Hall AS; Barnard B; McArthur P; et al: investigation of a whole-body receiver coil operating at liquid nitrogen temperatures, *Magn Res Med* 1988; 7: 230
- Hall CN See Caygill CPJ
- Hall DA See Kopans DB
- Hall DA See McCarthy KA
- Hall DA See Oestmann JW
- Hall DA See Simeone JF
- Hall DA See Swann CA
- Hall DA; Crowley WF; Wierman ME; et al: sonographic monitoring of LHRH analogue therapy in idiopathic precocious puberty in young girls, *JCU* 1986; 14: 331
- Hall DA; McCarthy KA: significance of the postmenopausal simple adnexal cyst, *J Ultrasound Med* 1986; 5: 503
- Hall DA; McCarthy KA; Kopans DB: sonographic visualization of the normal postmenopausal ovary, *J Ultrasound Med* 1986; 5: 9
- Hall EJ See Hei TK
- Hall EJ See Marchese MJ
- Hall EJ: facing fearful odds—conference summary, *Int J Radiat Oncol Biol Phys* 1986; 12: 1023
- Hall EJ; Fowler JF: radiobiology, *Int J Radiat Oncol Biol Phys* 1988; 14: 525
- Hall EJ; Hei TK: oncogenic transformation of cells in culture: pragmatic comparisons of oncogenicity, cellular and molecular mechanisms, *Int J Radiat Oncol Biol Phys* 1986; 12: 1909
- Hall EJ; Marchese MJ; Astor MB; et al: response of cells of human origin, normal and malignant, to acute and low dose rate irradiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 655
- Hall FM See Sussman SK
- Hall FM: adhesive capsulitis, *Radiology* 1988; 169: 579
- Hall FM: arthrography: past, present, and future, *AJR* 1987; 149: 561
- Hall FM: can mammography exclude cancer? reply, *Radiology* 1988; 166: 287
- Hall FM: cecal diverticulitis: evaluation with CT, *Radiology* 1987; 163: 832
- Hall FM: coming of age of radiologic imaging screening, *Radiology* 1988; 168: 579
- Hall FM: galactoceles: three distinctive radiographic appearances, *Radiology* 1986; 160: 852
- Hall FM: mammographic screening: how to operate successfully at low cost, *Radiology* 1986; 161: 851
- Hall FM: mammography in the diagnosis of in situ breast carcinoma, *Radiology* 1988; 168: 279
- Hall FM: mammography in women under age 30: is there clinical benefit?, *Radiology* 1987; 162: 582
- Hall FM: nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis, *Radiology* 1988; 167: 284
- Hall FM: pharmacologic agents in gastrointestinal radiology, *Radiology* 1987; 165: 289
- Hall FM: treatment of avascular necrosis of the femoral head, *Radiology* 1987; 165: 876
- Hall FM: US-guided aspiration biopsy of the breast, *Radiology* 1987; 164: 285
- Hall FM; Cohen RB; Grumbach K: case report 377, *Skeletal Radiol* 1986; 15: 401
- Hall FM; Connelly JL; Love SM: lipomatous pseudomass of the breast: diagnosis suggested by discordant palpatory and mammographic findings, *Radiology* 1987; 164: 463
- Hall FM; Docken WF; Curtis HW; et al: calcific tendinitis of the longus coli: diagnosis by CT, *AJR* 1986; 147: 742
- Hall FM; Gore SM: osteosclerotic myeloma variants, *Skeletal Radiol* 1988; 17: 101
- Hall FM; Harris AK: case report 396, *Skeletal Radiol* 1986; 15: 589
- Hall FM; Joffe N: CT imaging of the anserine bursa, *AJR* 1988; 150: 1107
- Hall FM; McCordle CR: perioperative US, *Radiology* 1988; 168: 286
- Hall FM; Simon M: efficacy of embolic occlusion of needle tracks after biopsy, *Radiology* 1988; 168: 581
- Hall FM; Simon M: occult pneumonia associated with dehydration: myth or reality, *AJR* 1987; 148: 853
- Hall FM; Storella JM; Silverstone DZ; Wyshak G: nonpalpable breast lesions: recommendations for biopsy based on suspicion of carcinoma at mammography, *Radiology* 1988; 167: 353
- Hall H See Farde L
- Hall JA Jr See Smithson LV
- Hall JG See Adam WR
- Hall JT See Sandler CM
- Hall JT; Raval B: retroaortic left renal vein: interpretive pitfall on computed tomography, *CT* 1986; 10: 55
- Hall JW III See Gheraeyeb BY
- Hall LD; Hogan PG: NMR measurement of the degree of oil/water partition of paramagnetic contrast media, *Magn Res Med* 1988; 7: 248
- Hall MJ See Kutt E
- Hall PA See Murray PA
- Hall RC; Ethchells AH: gamma camera phantom support stand for safer and faster non-uniformity measurement procedures, *Br J Radiol* 1986; 59: 701
- Hall T See Boechat MI
- Hall T See Hawkins RA
- Hall TR See Stanley P
- Hall VL; Leppard BJ; McGill J; et al: treatment of basal-cell carcinoma: comparison of radiotherapy and cryotherapy, *Clin Radiol* 1986; 37: 33
- Halla JT; Hardin JG Jr: atlantoaxial (C1-C2) facet joint osteoarthritis: a distinctive clinical syndrome, (ab), *Radiology* 1987; 165: 886
- Hall-Craggs MA See Bartram CI
- Hall-Craggs MA See Lee SH
- Hall-Craggs MA; Chapman M: case report 431, *Skeletal Radiol* 1987; 16: 422
- Hall-Craggs MA; Hine AL: ascending lower-limb phlebography: comparative study of Hexabrix 320, iohexol 300 and iohexol 240, *Br J Radiol* 1986; 59: 685

Hall-Craggs

- Hall-Craggs MA; Lees WR: fine-needle aspiration biopsy: pancreatic and biliary tumors, *AJR* 1986; 147: 399
- Halldottir A See Ivancev K
- Halle J See Varia M
- Halle JS; Rosenman JG; Varia MA; et al: 1000 cGy single dose palliation for advanced carcinoma of the cervix or endometrium. *Int J Radiat Oncol Biol Phys* 1986; 12: 1947
- Haller J See Gritzmam N
- Haller J See Mostbeck G
- Haller J; Sartoris DJ; Resnick D; et al: spontaneous osteonecrosis of the tarsal navicular in adults: imaging findings, *AJR* 1988; 151: 355
- Haller JO See Cohen HL
- Haller JO See Mezzacappa PM
- Haller JO; Cohen HL: hypertrophic pyloric stenosis: diagnosis using US, *Radiology* 1986; 161: 335
- Haller JO; Cohen HL: pediatric urosonography: update, *Urol Radiol* 1987; 9: 99
- Hallett JW Jr See Greenwood LH
- Hallett JW Jr See Nora JD
- Hallgrímsson P; Káresen R; Ártun K; et al: non-palpable breast lesions: diagnostic criteria and preoperative localization, *Acta Radiol* 1988; 29: 285
- Halliday A See Gibson RN
- Halliday KR; Fenoglio-Preiser C; Sillerud LO: differentiation of human tumors from nonmalignant tissue by natural-abundance ¹³C NMR spectroscopy, *Magn Res Med* 1988; 7: 384
- Hallman GL See Livesey JJ
- Halls JM See Barakos JA
- Halls JM See Colletti PM
- Halls JM See Radin DR
- Halls JM See Ralls PW
- Halon D See Harhoff R
- Halperin BD; Feeley TW; Mihm FG; et al: evaluation of the portable chest roentgenogram for quantitating extravascular lung water in critically ill adults, (ab), *Radiology* 1986; 159: 820
- Halperin EC See Herthatter BW
- Halperin EC: pediatric radiation oncology, *Invest Radiol* 1986; 21: 429
- Halperin EC; Cox EB: radiation therapy in the management of neuroblastoma: Duke University Medical Center experience 1967-1984, *Int J Radiat Oncol Biol Phys* 1986; 12: 1829
- Halperin I See Libson E
- Halpern SE See Hagan PL
- Halpern SE See Ryan KP
- Halpern SE; Haindl W; Beauregard J; Hagan P; Clutter M; Amos D; Merchant B; Unger M; Mongovi C; Bartholomew R; Jue R; Carlo D; Dillman R: scintigraphy with In-111-labeled monoclonal antitumor antibodies: kinetics, biodistribution, and tumor detection, *Radiology* 1988; 168: 529
- Halpern Z; Averbuch M; Papo J; et al: case of the bulging Bulgarian, *Br J Radiol* 1986; 59: 187
- Halpert RD See Fezko PJ
- Halpert RD See Monseil LH
- Halpert RD: toxic dilatation of the colon, *Radiol Clin North Am* 1987; 25: 147
- Halpin TC Jr See Yulish BS
- Halsell RD: cerebrovascular disease: evaluation with transcranial intraarterial digital subtraction angiography using a 4-F catheter, *Radiology* 1987; 163: 284
- Halsell RD: heating contrast media in a microwave oven, *Radiology* 1987; 163: 279
- Halsell RD: heating contrast media: role in contemporary angiography, *Radiology* 1987; 164: 276
- Haltermann G See Sims ME
- Halthore SN See Anand AK
- Halton K See Bler S
- Halverson JD See Karp DR
- Halvorsen RA Jr See Baker ME
- Halvorsen RA Jr See Foster WL Jr
- Halvorsen RA Jr See Khoury MB
- Halvorsen RA Jr See Sussman SK
- Halvorsen RA Jr See Thompson WM
- Halvorsen RA Jr See Wiener MD
- Halvorsen RA Jr; Fedyshin PJ; Korobkin M; et al: CT differentiation of pleural effusion from ascites: evaluation of four signs using blinded analysis of 52 cases, *Invest Radiol* 1986; 21: 391
- Halvorsen RA Jr; Fedyshin PJ; Korobkin M; Foster WL Jr; Thompson WM: ascites or pleural effusion? CT differentiation: four useful criteria, *Radiographics* 1986; 6: 135
- Halvorsen RA Jr; Foster WL Jr; Wilkinson RH Jr; et al: hepatic abscess: sensitivity of imaging tests and clinical findings, *Gastrointest Radiol* 1988; 13: 135
- Halvorsen RA Jr; Magruder-Habib K; Foster WL Jr; Roberts L Jr; Postlethwait RW; Thompson WM: esophageal cancer staging by CT: long-term follow-up study, *Radiology* 1986; 161: 147
- Halvorsen RA Jr; Thompson WM: computed tomographic staging of gastrointestinal tract malignancies: part I. esophagus and stomach, *Invest Radiol* 1987; 22: 2
- Halvorsen RA Jr; Wilkinson RH Jr; Feldman JM: carcinoma of the liver: metastases: accuracy of radionuclide liver/spleen imaging compared to computed tomography, *Clin Nucl Med* 1987; 12: 268
- Halwig JM See Patterson R
- Ham H See Di Lorenzo C
- Ham HR See Flepax A
- Ham HR: unresolved major pulmonary embolism: long-term scintigraphic follow-up, *Clin Nucl Med* 1988; 13: 136
- Ham HR; Franken PR; Georges B; et al: evaluation of the accuracy of steady-state krypton-81m method for calculating right ventricular ejection fraction, *J Nucl Med* 1986; 27: 593
- Hamacher K; Coenen HH; Stocklin G: efficient stereospecific synthesis of no-carrier-added 2-[¹⁸F]-fluoro-2-deoxy-D-glucose using aminopolyether supported nucleophilic substitution, *J Nucl Med* 1986; 27: 235
- Hamad MM See Nawaz K
- Hamada S See Takashima S
- Hamamoto K See Itoh H
- Hamashima Y See Fujiwara T
- Hamberger AD See Jolles JC
- Hambraeus GM; Ekberg O; Fletcher R: pharyngeal dysfunction after total and subtotal oesophagectomy, *Acta Radiol* 1987; 28: 409
- Hamburg C; Abdelwahab IF: reliability of computed tomography in the initial diagnosis and follow-up evaluation of Tietze's syndrome: case report with review of the literature, *CT* 1987; 11: 83
- Hamel J; Pohlmann H; Schramm W: radiological evaluation of chronic hemophilic arthropathy by the Pettersson score: problems in correlation in adult patients, *Skeletal Radiol* 1988; 17: 32
- Hamer MM; Morlock F; Foley HT; Ros PR: medical malpractice in diagnostic radiology: claims, compensation, and patient injury, *Radiology* 1987; 164: 263
- Hamilton CR; Cummings BJ; Harwood AR: radiotherapy of Kaposi's sarcoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 1931
- Hamilton CS; Eberl M: dose-volume considerations in small field thoracic irradiation, *Australas Radiol* 1987; 31: 34
- Hamilton CS; Langlands AO: ACUPS (adenocarcinoma of unknown primary site): a clinical and cost benefit analysis, *Int J Radiat Oncol Biol Phys* 1987; 13: 1497
- Hamilton D; Cowan RA; Sharma HL; et al: behavior of autologous indium-114m-labeled lymphocytes in patients with lymphoid cell malignancy, *J Nucl Med* 1988; 29: 485
- Hamilton EF See Lande IM
- Hamilton I See O'Connor HJ
- Hamilton R See Spritzer CE
- Hamilton RJ See James AE Jr
- Hamilton S: esophageal leiomyoma arising in an epiphrenic diverticulum, *Eur J Radiol* 1988; 8: 118
- Hamilton S; Fitzpatrick JM: primary non-obstructive megarectum in adults, *Clin Radiol* 1987; 38: 181
- Hamilton S; Fitzpatrick JM: ultrasound diagnosis of a prostatic cyst causing acute urinary retention, *J Ultrasound Med* 1987; 6: 385
- Hamilton SR See Jones B
- Hamilton SR See Walsh TJ
- Hamilton-Wood C: case of the month: did he fall or was he pushed? *Br J Radiol* 1987; 60: 199
- Hamilton-Wood C; Hollingworth P; Dieppe P; et al: painful swollen sterno-clavicular joint, (ab), *Radiology* 1986; 159: 286
- Hamlin DJ See Pettersson H
- Hamlin DJ: magnetic resonance imaging and spectroscopy, *Radiology* 1986; 160: 786
- Hamlin DJ: oncologic imaging, *Radiology* 1986; 161: 42
- Hamlin DJ; Paige R; Pettersson H; et al: magnetic resonance characteristics of an abdominal desmoid tumor, *Comput Radiol* 1986; 10: 11
- Hamlin DJ; Pettersson H; Ramey SL; et al: magnetic resonance imaging of bicornuate uterus with unilateral hematosalpinx and ipsilateral renal agenesis, *Urol Radiol* 1986; 8: 52
- Hamlin JA; Friedman M; Stein MG; Bray JF: percutaneous biliary drainage: complications of 118 consecutive catheterizations, *Radiology* 1986; 158: 19
- Hamm B See Fobbe F
- Hamm B See Laniado M
- Hamm B; Fobbe F; Loy V: testicular cysts: differentiation with US and clinical findings, *Radiology* 1988; 168: 19
- Hamm B; Fobbe F; Sørensen R; Felsenberg D: varicocele: combined sonography and thermography in diagnosis and posttherapeutic evaluation, *Radiology* 1986; 160: 419
- Hamm B; Friedrich M; Kelami A: ultrasound imaging in Peyronie disease, (ab), *Radiology* 1987; 163: 840
- Hamm B; Wolf K-J; Felix R: conventional and rapid MR imaging of the liver with Gd-DTPA, *Radiology* 1987; 164: 313
- Hammarberg C; Tribukait B; Ohman U: early effects of preoperative irradiation upon the cell cycle composition in rectal adenocarcinomas: flow-cytometric DNA investigation, *Acta Oncol* 1986; 25: 45
- Hammarberg K See Wiklund M
- Hammarstrom L-E See Nilsson M
- Hammer BE See Hack SN
- Hammer F See Rousseau MF
- Hammermaier A; Reich E; Bogl W: radiochemical purity and in vitro stability of commercial hippurans, *J Nucl Med* 1986; 27: 850
- Hammers L See Siskind BN
- Hammers L See Taylor KJW
- Hammers L See Warshaw DM
- Hammers LW See Rapoport S
- Hammerslag SB: computed tomography and magnetic resonance imaging of the head and neck, 2d ed., *Radiology* 1986; 159: 584
- Hammersley P See Bomber P
- Hammond DI See Glachino AA
- Hammond DI: unusual causes of sonographic nonvisualization or nonrecognition of the gallbladder: a review, *JCU* 1988; 16: 77
- Hammond DI; MacLean RS: gallbladder wall thickening in the elderly woman with infectious mononucleosis, *JCU* 1987; 15: 558
- Hammond ND See Gatenby RA
- Hammond SM See White DR
- Hammon A See Khalid F
- Hammon M See Mountford PJ
- Hamper UM See Dahner WF
- Hamper UM See Sanders RC
- Hamper UM See Sheth S
- Hamper UM See Siegelman SS
- Hamper UM; Dahner WF; Eggleston JC; et al: ultrasonography of prostatic carcinoma employing amplitude-enveloped (AM) and frequency-demodulated (FM) imaging: in vivo, in vitro, and pathologic correlation, *J Ultrasound Med* 1986; 5: 557
- Hamper UM; Fishman EK; Hartman DS; et al: primary adrenocortical carcinoma: sonographic evaluation with clinical and pathologic correlation in 26 patients, *AJR* 1987; 148: 915
- Hamper UM; Fishman EK; Khouri NF; et al: typical and atypical CT manifestations of pulmonary sarcoidosis, *JCAT* 1986; 10: 928
- Hamper UM; Goldblum LE; Hutchins GM; et al: renal involvement in AIDS: sonographic-pathologic correlation, *AJR* 1988; 150: 1321
- Hamper UM; Sheth S; Dahner WF; et al: borderline ovarian cystadenoma: spontaneous rupture and reaccumulation documented by ultrasound, *J Ultrasound Med* 1988; 7: 283
- Han BK See Babcock DS
- Han BK See Ey EH
- Han BK See Kaufman RA
- Han BK See Kraus R
- Han BK See Towbin RB
- Han BK: uncommon causes of scrotal and inguinal swelling in children: sonographic appearance, *JCU* 1986; 14: 421
- Han BK: x-ray diagnosis of the upper alimentary tract, vol. 1. x-ray diagnosis of the lower alimentary tract, vol. 2. pattern analysis of a programmed text, *Radiology* 1986; 159: 318
- Han BK; Towbin RB; Ball WS Jr: pediatric case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 354
- Han BK; Towbin RB; Ball WS Jr: pediatric case of the day, annual meeting, 1987, *Radiographics* 1988; 8: 813
- Han CH; Sillerud LO: synthesis of [guanidino-¹³C]creatine and measurement of the creatine phosphokinase reaction in vitro by ¹³C NMR spectroscopy, *Magn Res Med* 1986; 3: 626
- Han J See Nickloff EL
- Han JS See Modic MT
- Han MC See Chang KH
- Han MC See Choi BI
- Han MC See Im J-C
- Han MC See Lim JH
- Han MC See Lim TH
- Han MC See Park JH
- Han MH See Chung JW
- Han SS See Gonzalez CF
- Han SS; Love MB; Simeone FA; et al: diagnosis and treatment of a lumbar extradural arteriovenous malformation, *AJNR* 1987; 8: 1129
- Han SY See Lund EC
- Han SY; Koehler RE; Keller FS; et al: rectal mesenteritis involving the colon: pathologic and radiologic correlation (case report), *AJR* 1986; 147: 268
- Hanada J See Specht HD
- Hanada K; Nakata H; Nakayama T; et al: radiologic findings in xanthogranulomatous cholecystitis, *AJR* 1987; 148: 727

- Hanafee WN See Dietrich RB
 Hanafee WN See Luffkin RB
 Hanafee WN See Pussey E
 Hanafee WN See Som PM
 Hanafee WN See Teresi LM
 Hancock BW See McGurk M
 Hancock SL: anterior eye protection with orbital neoplasia. *Int J Radiat Oncol Biol Phys* 1986; 12: 123
 Hancock SL; Goffinet DR; Carlson RW; Mark JBD: esophageal carcinoma: modest benefits from combined modality therapy. *Radiology* 1987; 164: 603
 Hand JW See Dunlop PRC
 Handa H See Yamasaki T
 Handa J; Suzuki F: supreme anterior communicating artery. *Neuroradiol* 1986; 28: 174
 Handa N; Fukunaga R; Etani H; et al: efficacy of echo-Doppler examination for the evaluation of renovascular disease. *Ultrasound Med Biol* 1988; 14: 1
 Handa N; Fukunaga R; Uehara A; et al: echo-Doppler velocimetry in the diagnosis of hypertensive patients: renal artery Doppler technique. *Ultrasound Med Biol* 1986; 12: 945
 Handagoon P; Pitakdamrongwong N; Shuangphothi S: xanthogranulomas of choroid plexus. *Neuroradiol* 1987; 29: 172
 Hands ME See Antico VF
 Handwerker BS See Austin CB
 Hanel D See Volle E
 Hanelin L See Jones D
 Haney PJ See Nelson AW
 Haney PJ See Reed WP
 Hanganarter TN: review: radiologic measurement of bone. *J Canad Assoc Radiol* 1986; 37: 143
 Hangiandrou NJ See Hasegawa BH
 Hanicke W See Frahm J
 Hanicke W See Haase A
 Hanigan WC; Peterson RA; Njus G: tin ear syndrome: rotational acceleration in pediatric head injuries. (ab). *Radiology* 1988; 167: 888
 Hanigan WC; Wright SM; Wright RM: clinical utility of magnetic resonance imaging in pediatric neurosurgical patients. (ab). *Radiology* 1986; 160: 862
 Hanislan AS See Stapleton FB
 Hanks GJ; Amstutz HC: osteonecrosis of the hip in the sickle-cell diseases: treatment and complications. (ab). *Radiology* 1988; 169: 294
 Hanks GJ; Khangure MS; Stewart-Wynne EG: detection of basilar artery thrombosis by computed tomography. *Clin Radiol* 1988; 39: 140
 Hanks GE See Calvo FA
 Hanks GE See Coia LR
 Hanks GE See Diamond JJ
 Hanks GE See Pilepich MV
 Hanks GE See Wolikoff HB
 Hanks GE; Diamond JJ; Krall JM; et al: ten year follow-up of 682 patients treated for prostate cancer with radiation therapy in the United States. *Int J Radiat Oncol Biol Phys* 1987; 13: 499
 Hanks GE; Dunlop K: comparison of the cost of various treatment methods for early cancer of the prostate. *Int J Radiat Oncol Biol Phys* 1986; 12: 1879
 Hanks GE; Krall JM; Martz KL; et al: outcome of treatment of 313 patients with T-1 (UIIC) prostate cancer treated with external beam irradiation. *Int J Radiat Oncol Biol Phys* 1988; 14: 243
 Hanley JA: alternative approaches to receiver operating characteristic analyses. *Radiology* 1988; 168: 568
 Hanlon JT; Combs DT; Hoffman G; et al: ultrasonic detection of thrombus at the origin of the internal carotid artery. *JCU* 1986; 14: 153
 Hann LE; Crivello M; McArdle CB; Seibel M; Fein V; Taymor M: in vitro fertilization: sonographic perspective. *Radiology* 1987; 163: 665
 Hann LE; McArdle CB; Sachs B: sonographic biophysical profile in the postdate pregnancy. *J Ultrasound Med* 1987; 6: 191
 Hanna DE See Buchsbaum DJ
 Hannah J See Mukamel E
 Hannan J See Brydon WG
 Hanner JS; Quisling RG; Mickle JP; Hawkins JS: Gianturco coil embolization of vein of Galen aneurysms: technical aspects. *Radiographics* 1988; 8: 935
 Hannerz J; Ericson K; Bergstrand G; et al: computed tomography of the brain in cases with venous vasculitis compared with an age-matched reference group. *Acta Radiol* 1988; 29: 65
 Hannerz L; Wikstad I; Johansson L; et al: distribution of renal scars and intrarenal reflux in children with a past history of urinary tract infection. *Acta Radiol* 1987; 28: 443
 Hannig C; Allgayer B; Risch M; et al: duodenal fistula—rare complication following the removal of an infected aortic graft: case report. *Cardiovasc Intervent Radiol* 1986; 9: 33
 Hannigan EV See Waggenspack GA
 Hannigan J See Linstadi D
 Hannisdal E See Heimdal K
 Hanquinet S; Christophe C; Rummens E; et al: ultrasound computed tomography and magnetic resonance of a neonatal ganglioglioma of the brain. *Pediatr Radiol* 1986; 16: 501
 Hansell DM: inevitable progression? *Br J Radiol* 1986; 59: 521
 Hansell DM; Cooke JC; Parsons CA: accuracy of mammography alone and in combination with clinical examination and cytology in the detection of breast cancer. *Clin Radiol* 1988; 39: 150
 Hansell DM; Cooke JC; Parsons CA; et al: quantitative analysis of the spatial relationships of grouped microcalcifications demonstrated on xeromammography in benign and malignant breast disease. *Br J Radiol* 1988; 61: 21
 Hansen DD See Ritchie JL
 Hansen GC; Falkenbach KH; Yaghmai I: voice recognition system. *Radiology* 1988; 169: 580
 Hansen HS See Overgaard J
 Hansen HS See Pedersen H
 Hansen HS; Rygaard J; Andersen AP; et al: bleomycin, methotrexate and vincristine before irradiation of stage III and IV laryngeal and pharyngeal squamous cell carcinoma. *Acta Oncol* 1987; 26: 13
 Hansen KN; Pedersen H; Petersen MB: growing skull fracture—rupture of coronal suture caused by vacuum extraction. *Neuroradiol* 1987; 29: 502
 Hansen LG See Kjaer M
 Hansen LK; Pedersen SA; Kristoffersen K: prenatal rupture of omphalocele. *JCU* 1987; 15: 191
 Hansen ME See Rose SC
 Hansen MF See Burke JW
 Hansen WF See Rubin RH
 Hansman ML; Hoover ED; Peyster RG: sixth nerve neuroma in the cavernous sinus: CT features. *JCAT* 1986; 10: 1030
 Hansman ML; Peyster RG; Heiman-Patterson T; et al: CT demonstration of extraocular muscle atrophy. *JCAT* 1988; 12: 49
 Hansmann M See Gilsanz V
 Hanson D See Tran L
 Hanson EC See Mahoney MD
 Hanson J See Edwards MT
 Hanson J See Sato Y
 Hanson WF See Kirby TH
 Hansson LI See Hagglund G
 Hansson T See Jonsson R
 Hanstock CC See Stewart CA
 Hanstock CC; Lunt JA; Allen PS: modification of the RF field distribution of surface coils by weakly conducting saline samples. *Magn Res Med* 1988; 7: 204
 Hanto DW; Simmons RL: renal transplantation: clinical considerations. *Radiol Clin North Am* 1987; 25: 239
 Hanto DW; Sutherland DER: pancreas transplantation: clinical considerations. *Radiol Clin North Am* 1987; 25: 333
 Hanun Y See Khoury MB
 Haponik EF; Adelman M; Munster AM; et al: increased vascular pedicle width preceding burn-related pulmonary edema. (ab). *Radiology* 1987; 163: 837
 Haponik EF; Britt EJ; Smith PL; et al: computed chest tomography in the evaluation of hemoptysis. (ab). *Radiology* 1987; 164: 883
 Haq N See Huang H
 Haque AK See Davis M
 Hara K See Hirose K
 Harada J See Yamada T
 Harada T See Katagiri M
 Harada T; Shimooka K; Okamura Y; et al: nonfunctioning cystic disease of the parathyroid. *Clin Nucl Med* 1987; 12: 929
 Haraguchi Y See Itai Y
 Haramati N See Lautin EM
 Harasani H See Sutton CS
 Harbert JC See Feuerstein IM
 Harbord MG; LeQueune GW: Alexander's disease: cranial ultrasound findings. *Pediatr Radiol* 1988; 18: 227
 Harbord MG; LeQueune GW: Alexander's disease: cranial ultrasound findings. *Pediatr Radiol* 1988; 18: 341
 Harbury OL See Papanicolaou N
 Harch JM; Randin RD; Yellin AE; et al: pyelothrombosis: serendipitous radiologic diagnosis. (ab). *Radiology* 1988; 166: 911
 Harcke HT See Grissom LE
 Harcke HT See Mandell GA
 Harcke HT See Smergel EM
 Harcke HT; Grissom LE: sonographic evaluation of the infant hip. *Semin US CT MR* 1986; 7: 331
 Harcke HT; Grissom LE; Finkelstein MS: evaluation of the musculoskeletal system with sonography. *AJR* 1988; 150: 1253
 Harcke HT; Lee MS; Sinning L; et al: ossification center of the infant hip: sonographic and radiographic correlation. *AJR* 1986; 147: 317
 Harcke HT; Zapp SE; Mandell GA; Sharkey CA; Cooley LA: angular deformity of the lower extremity: evaluation with quantitative bone scintigraphy. work in progress. *Radiology* 1987; 164: 437
 Hardeman SW See Preminger GM
 Harder J See Rasmussen SL
 Hardiman T See Gooding GAW
 Hardin CW See Doney GP
 Hardin CW See Goto K
 Hardin CW See Halbach VV
 Hardin CW; Harnsberger R: radiographic evaluation of trigeminal neuropathy. *Semin US CT MR* 1987; 8: 214
 Hardin CW; Harnsberger HR; Osborn AG; et al: CT in the evaluation of the normal and diseased oral cavity and oropharynx. *Semin US CT MR* 1986; 7: 131
 Hardin CW; Manaster BJ: case report 411. *Skeletal Radiol* 1987; 16: 232
 Hardin JG Jr See Halla JT
 Harding JA; Glick SN; Teplick SK; et al: appendiceal filling by double-contrast barium enema. *Gastrointest Radiol* 1986; 11: 105
 Harding LK: radiation safety in the nuclear medicine department: impact of the UK Ionising Radiation Regulations. *Br J Radiol* 1987; 60: 915
 Harding RP See Stone HB
 Harhoff R See Lurber A
 Harhoff R See Van den Abbeele AD
 Harhoff R; Gipo S; Front A: inferior vena cava obstruction demonstrated by technetium-99m labeled red blood cells. *Clin Nucl Med* 1988; 13: 209
 Harhoff R; Halon D; Front A: radionuclide demonstration of systemic arterial supply to the lung in Takayasu's arteritis. *Clin Nucl Med* 1987; 12: 479
 Harde J See Wilcox P
 Hardy CJ See Edelstein WA
 Hardy CJ; Bottomley PA; Roemer PB; et al: rapid ³¹P spectroscopy on a 4-T whole-body system. *Magn Res Med* 1988; 8: 104
 Hardy CJ; Dumoulin CL: lipid and water suppression by selective ¹H homonuclear polarization transfer. *Magn Res Med* 1987; 5: 58
 Hardy CJ; Edelstein WA; Mueller OM: surface-coil T₁ images. *Magn Res Med* 1986; 3: 935
 Hardy CJ; Katzberg RW; Frey RL; Szumowski J; Totterman S; Mueller OM: switched surface coil system for bilateral MR imaging. *Radiology* 1988; 167: 835
 Hardy DC See Gilula LA
 Hardy DC See Helms CA
 Hardy DC See Keyser CK
 Hardy DC See Reinius WR
 Hardy DC See Wilson AJ
 Hardy DC; Reinius WR; Totty WG; et al: arthrography after total hip arthroplasty: utility of postambulation radiographs. *Skeletal Radiol* 1988; 17: 20
 Hardy DC; Totty WG; Funk KC: CT-directed rib biopsy. *JCAT* 1987; 11: 994
 Hardy DC; Vogler JB III; White RH: shoulder impingement syndrome: prevalence of radiographic findings and correlation with response to therapy. *AJR* 1986; 147: 557
 Hardy G See Baines CJ
 Hardy JG See Basran GS
 Hardy KA See Cordts RE
 Hardy MR; McLeod DG: silent renal obstruction with severe functional loss after extracorporeal shock wave lithotripsy: report of 2 cases. (ab). *Radiology* 1987; 164: 292
 Hardy P See Henkelman RM
 Hare WSC: ureteral calculi: percutaneous removal using modified basket extractors and fluoroscopy. *Radiology* 1986; 160: 189
 Harel C See Cadotte R
 Hargadine JR See Balsara VJ
 Hargrove CB See Shub MD
 Hariladis I See Crawford JS
 Hariladis I See Wechsler-Jentsch K
 Harjula ALJ See Laine HR
 Harkavy LA See Crass JR
 Harkens KL See Barloon TJ
 Harker L; Hutton I; Passi RB: radiologic findings of retroperitoneal perforation after sphincterotomy. *J Canad Assoc Radiol* 1986; 37: 169
 Harkey LH See Al-Mefty O
 Harkins J See Conrad M
 Harlan JL See Meng RL
 Harle TS See Larson TC III
 Harle TS; Robert E. Campbell, MD, President. *Radiological Society of North America*, 1989. *Radiology* 1988; 169: 871

Harley

- Harley JD See Montana MA
 Harley JD See Schwartz AN
 Harman J See Flook D
 Harman JT See Webber RL
 Harman RR; Butson PC; Hall AS; et al: some observations of the design of rf coils for human internal use, *Magn Res Med* 1988; 6: 49
 Harmer C See Glaholm J
 Harmer CL See Ashby MA
 Harmer CL See Gordon AB
 Harmer CL See Tupper L
 Harmon BH See Ferris EJ
 Harmon DC See Sailer SL
 Harmon SP: free radicals in medicine. I. chemical nature and biologic reactions. II. involvement in human disease, *Radiology* 1988; 168: 738
 Harms SE See Gallimore GW Jr
 Harms SE See Sherry CS
 Harms SE See Sullivan JA
 Harms SE See Wilk RM
 Harms SE; Muschler G: three-dimensional MR imaging of the knee using surface coils, *JCAT* 1986; 10: 773
 Harms SE; Siemers PT; Hildenbrand P; Plum G: multiple spin echo magnetic resonance imaging of the brain, *Radiographics* 1986; 6: 117
 Harms SE; Wilk RM: magnetic resonance imaging of the temporomandibular joint, *Radiographics* 1987; 7: 521
 Harned RK See Williams SM
 Harnett AN See Plowman PN
 Harnett AJ; Hungerford JL; Lambert GD; et al: improved external beam radiotherapy for the treatment of retinoblastoma, *Br J Radiol* 1987; 60: 753
 Harnett AN; Thomson ES: iodine-125 plaque for radiotherapy of the eye: manufacture and dosimetry considerations, *Br J Radiol* 1988; 61: 835
 Harnish P; Mukherji M; Kido DK: physiologic effects of contrast media in the rabbit, *Invest Radiol* 1987; 22: 901
 Harnish PP; Hagberg DJ: contrast media-induced blood-brain barrier damage: potentiation by hypertension, *Invest Radiol* 1988; 23: 463
 Harnish PP; Mukherji M; Northington FK; et al: opiate involvement in contrast media-induced blood pressure changes, *Invest Radiol* 1987; 22: 905
 Harnish PP; Northington FK; Samuel KA: diazoxide levels in cerebrospinal fluid following intravenous administration: role of fluid production rate, *Invest Radiol* 1988; 23: 377
 Harnish PP; Northington FK; Samuel KA: iohexol inhibits adenylate cyclase, *Invest Radiol* 1988; 23: 139
 Harnsberger HR See Armington WG
 Harnsberger HR See Colt WE
 Harnsberger HR See Crawford SC
 Harnsberger HR See Doney GP
 Harnsberger HR See Hardin CW
 Harnsberger HR See Jacobs CJM
 Harnsberger HR See Osborn AG
 Harnsberger HR See Stevens MH
 Harnsberger HR; Bragg DG; Osborn AG; et al: non-Hodgkin's lymphoma of the head and neck: CT evaluation of nodal and extranodal sites, *AJNR* 1987; 8: 673
 Harnsberger HR; Dart DJ; Parkin JL; Smoker WRK; Osborn AG: cochlear implant candidates: assessment with CT and MR imaging, *Radiology* 1987; 164: 53
 Harnsberger HR; Osborn AG; Smoker WRK: CT in the evaluation of the normal and diseased paranasal sinuses, *Semin US CT MR* 1986; 7: 68
 Harnsberger R See Hardin CW
 Harnsberger R See Remley K
 Harnsberger R See Smoker WRK
 Harp GD See Cerqueira MD
 Harpen MD See Robinson AE
 Harper JS See Thompson SA
 Harre RG See El-Khoury GY
 Harre RG; Conrad GR; Seabold JE: colonic localization of indium-111 labeled leukocytes in active Behcet's disease, *Clin Nucl Med* 1988; 13: 459
 Harrell B See Stanley JH
 Harrell JH See Seagren S
 Harries-Jones P See Jeffery PC
 Harrington DP See Gardiner GA Jr
 Harrington DP See Koltun WA
 Harrington DP; Kandarpa K: quantification in peripheral angiography, *Cardiovasc Intervent Radiol* 1987; 10: 400
 Harrington EB See Train JS
 Harris AK See Hall FM
 Harris ED See Monseim LH
 Harris JH See Kulkarni MV
 Harris JH Jr See Edeiken-Monroe B
 Harris JH Jr See Harris RD
 Harris JH Jr See Wojcik WG
 Harris JR See Hellman S
 Harris JR; Silver B; Rose MA; et al: Nisbet Symposium: early breast cancer: conservative surgery and radiation therapy as treatment for patients with early breast cancer: treatment policy at the Harvard Joint Center for Radiation Therapy, *Australas Radiol* 1987; 31: 119
 Harris JW See Shrieve DC
 Harris KM; Schwartz ML; Slasky BS; Nalesnik M; Makowka L: posttransplantation cyclosporine-induced lymphoproliferative disorders: clinical and radiologic manifestations, *Radiology* 1987; 162: 697
 Harris L; Marano GD; McCorkle D: nasofrontal duct: CT in frontal sinus trauma, *Radiology* 1987; 165: 195
 Harris NL See Miketic LM
 Harris RD; Harris JH Jr: prevalence and significance of missed scapular fractures in blunt chest trauma, *AJR* 1988; 151: 747
 Harris RD; Nyberg DA; Mack LA; et al: anorectal atresia: prenatal sonographic diagnosis, *AJR* 1987; 149: 395
 Harris RD; Vincent LM; Askin FB: yolk sac calcification: a sonographic finding associated with intrauterine embryonic demise in the first trimester, *Radiology* 1988; 166: 109
 Harris RW; Andros G; Salles-Cunha SX: totally autogenous venovenous composite bypass grafts: salvage of the almost irretrievable extremity, (ab), *Radiology* 1987; 163: 292
 Harris SG See Calhoun JM
 Harris ST See Reinbold W-D
 Harris V; Siddiqui AR: silent myocardial infarction discovered during indium-111 white blood cell imaging, *Clin Nucl Med* 1988; 13: 202
 Harris VJ See Royal JE
 Harrison D; Crennan E; Cruickshank D; et al: hypofractionation reduces the therapeutic ratio in early glottic carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 15: 365
 Harrison DA See Daykin EL
 Harrison DFN: idiopathic ulceration of the hypopharynx, (ab), *Radiology* 1986; 158: 286
 Harrison E See Radin DR
 Harrison I See Skarsgard LD
 Harrison I See Cole-Beuglet CM
 Harrison LB See Morton JD
 Harrison LB; Weissberg JB: technique for interstitial nasopharyngeal brachytherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 451
 Harrison LH See Kroovand RL
 Harrison ML See Peters LJ
 Harrison RB; Dyer R: benign space-occupying conditions of the kidneys, *Semin Roentgenol* 1987; 22: 275
 Harrison RW See Goodman GB
 Harrison WC See Gurney JW
 Harriet RB See Deter RL
 Harsch HH See Tikofsky RS
 Harshfield DL See Hassell DR
 Harshfield DL See Liu G-C
 Harstad HK See Anda S
 Hart B See Davis M
 Hart GC: Moiré interference in gamma camera quality assurance images, *J Nucl Med* 1986; 27: 820
 Hart HR See Dumoulin CL
 Hart HR See Katzberg RW
 Hart HR Jr See Dumoulin CL
 Hart RM; Kimler BF; Evans RG; et al: radiotherapeutic management of medulloblastoma in a pediatric patient with ataxia telangiectasia, *Int J Radiat Oncol Biol Phys* 1987; 13: 1237
 Hart WR See Shorten SD
 Hartwell H: computed tomography in opportunistic lung infections, *Acta Radiol* 1988; 29: 171
 Hartenberg MA See Friedman BI
 Hartenberg MA See Resnik CS
 Hartenstein R See Wendt TG
 Harter K See Torrisi J
 Harter KW See Chin LM
 Harter KW See Dritschilo A
 Harter KW See Bonnemain B
 Hartl C See Donadieu AM
 Hartley BS: ode on an MR machine: to the patient beware!, *Radiology* 1988; 168: 582
 Hartley G See Martin DF
 Hartley PJ See Cowen AR
 Hartley WS See Mauro MA
 Hartling OJ See Kelbaek H
 Hartling OJ; Marving J; Munck O: scintigraphy of kidneys located at different depths: the geometric mean method for determination of differential renal function: case report, *Clin Nucl Med* 1987; 12: 956
 Hartling RP; McGahan JP; Blaisdell FW; Lindfors KK: stab wounds to the extremities: indications for angiography, *Radiology* 1987; 162: 465
 Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW: stab wounds to the extremities: indications for angiography: reply, *Radiology* 1987; 165: 291
 Hartman B See Ralls PW
 Hartman BJ See Zirinsky K
 Hartman DS See Ball DS
 Hartman DS See Fishman EK
 Hartman DS See Goldman SM
 Hartman DS See Hamper UM
 Hartman DS See Nussbaum AR
 Hartman DS See Roberts JL
 Hartman DS See Ros FR
 Hartman DS: second Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, *Radiology* 1986; 160: 277
 Hartman DS; Davidson AJ; Davis CJ Jr; et al: infiltrative renal lesions: CT-sonographic-pathologic correlation, *AJR* 1988; 150: 1061
 Hartman DS; Davis CJ Jr; Johns TT; et al: cystic renal cell carcinoma, (ab), *Radiology* 1987; 162: 587
 Hartman DS; Davis CJ Jr; Sanders RC; Johns TT; Smirniotopoulos J; Goldman SM: multiloculated renal mass: considerations and differential features, *Radiographics* 1987; 7: 29
 Hartman GE; Smolik LM; Shochat SJ: dilemma of the multicystic dysplastic kidney, (ab), *Radiology* 1987; 164: 296
 Hartman GW See Bornstein I
 Hartman GW See Hattery RR
 Hartman GW; McLennan BL; Pfister RC: academic urology: the future, *Radiology* 1986; 158: 559
 Hartnell GG See Barter SG
 Hartnell GG; Gibson RN: Doppler ultrasound in the diagnosis of intestinal ischemia, *Gastrointest Radiol* 1987; 12: 285
 Hartnell GG; Kiely EA; Williams G; et al: real-time ultrasound measurement of bladder volume: a comparative study of three methods, *Br J Radiol* 1987; 60: 1063
 Hartnell GG; Mulcahy MJ; Kiely EA; et al: digital subtraction dynamic cavernosography, *Br J Radiol* 1988; 61: 679
 Hartnell GG; Wilde PH: nonsurgical repositioning of central venous catheters, *Radiology* 1988; 168: 581
 Hartshorne MF See Bauman JM
 Hartshorne MF See Boykin M
 Hartshorne MF See Cawthon MA
 Hartshorne MF See Hoadley SD
 Hartshorne MF See Lovern RE
 Hartshorne MF See Telepak RJ
 Hartshorne MF See Timmons JH
 Hartshorne MF See Truwit CL
 Hartshorne MF; Brown JM; Cawthon MA; et al: profound xenon-133 trapping in left main bronchus: obstruction by necrotic tumor, *Clin Nucl Med* 1986; 11: 525
 Hartshorne MF; Cawthon MA; Bauman JM: plasmacytoma of the lumbar spine by SPECT, *Clin Nucl Med* 1986; 11: 65
 Hartshorne MF; Hegen WD; Crooks L; et al: place of liver-spleen scanning in the workup of giant secondary cysts of the spleen, *Clin Nucl Med* 1986; 11: 4
 Hartsock RJ See Tabas JH
 Hartung R See Hofmann R
 Hartwell GD See de Paredes ES
 Hartz MP See Panicek DM
 Hartz PW See Colapinto RF
 Hartz A See Byhardt RW
 Hartz AJ See Cox JD
 Hartz AJ See Kaufman J
 Hartz RS See Kucich VA
 Hartz WH See Gatenby RA
 Hartz WH See McLean GK
 Hartzler GO; Rutherford BD; McConahay DR: retained percutaneous transluminal coronary angioplasty equipment components and their management, (ab), *Radiology* 1988; 168: 590
 Hartzman S See Reicher MA
 Hartzman S; Reicher MA; Bassett LW; Duckwiler GR; Mandelbaum B; Gold RH: MR imaging of the knee, part II. chronic disorders, *Radiology* 1987; 162: 553
 Haruta R See Murayama S
 Harverson G: intravertebral vacuum phenomenon, *Clin Radiol* 1988; 39: 69
 Harvey CF See Burke PE
 Harvey D See Nyberg DA
 Harvey DE See Klingensmith WC III
 Harvey LA See Strain JD
 Harvey MR See Mellors JW
 Harwood AR See Berry MP
 Harwood AR See Hamilton CR
 Harwood SJ; Carroll RG; Anderson M; et al: SPECT gallium scanning for lymphoma and infection, *Clin Nucl Med* 1987; 12: 694
 Harwood-Nash D See Chuang S
 Harwood-Nash DC See Fitz CR
 Hasan FM See Rosen JM
 Hasbergen JA See Copley JB
 Haseda Y See Ueno K

- Hasegawa BH; Naimuddin S; Dobbins JT III; Mistrretta CA; Peppier WW; Hangiandreou NJ; Cusma JT; McDermott JC; Kudva BV; Melbye KM: digital beam attenuator technique for compensated chest radiography. *Radiology* 1986; 159: 537
- Hasegawa H See Murakatsu Y
- Hasegawa H See Takamasa K
- Hasegawa I See Matsuno T
- Hasegawa T; Rhee JG; Levitt SH; et al: increase in tumor pO₂ by perfluorochemicals and carbon. *Int J Radiat Oncol Biol Phys* 1987; 13: 569
- Hasegawa Y See Eguno N
- Haseler LJ; Galloway GJ; Field J; et al: water-suppressed volume-selected ¹H NMR spectroscopy in vivo: application to study tumor metabolism. *Magn Res Med* 1987; 8: 506
- Haselgrove J; Grun J; Owen CS; et al: magnetic resonance imaging of parasitic tapeworm larvae *Taenia crassiceps cysticerci* in the peritoneal cavity of mice. *Magn Res Med* 1987; 4: 517
- Haselgrove J; Prammer M: algorithm for compensation of surface-coil images for sensitivity of the surface coil. *Magn Res Med* 1986; 4: 469
- Haselgrove JC See Renshaw PF
- Haselgrove JC See Schnall MD
- Haseltine FF; Arias-Mendoza F; Kaye AM; et al: ³¹P NMR studies of adenosine-stimulated ATP synthesis in perfused luteinized ovaries. *Magn Res Med* 1986; 3: 796
- Haseman DB See Moser RP Jr
- Hasford J See Heldwein W
- Hashida I See Akine Y
- Hashikawa K See Uehara A
- Hashim SW See Morse SS
- Hashimoto BE See Callen PW
- Hashimoto BE; Filly RA; Belden C; et al: objective method of diagnosing oligohydramnios in postterm pregnancies. *J Ultrasound Med* 1987; 6: 81
- Hashimoto BE; Filly RA; Callen PW; et al: absorption of fetal intraperitoneal blood after intrauterine transfusion. *J Ultrasound Med* 1987; 6: 421
- Hashimoto BE; Filly RA; Callen PW: fetal pseudocysts: further anatomic observations. *J Ultrasound Med* 1986; 5: 151
- Hashimoto BE; Filly RA; Callen PW: multicystic dysplastic kidney in utero: changing appearance on US. *Radiology* 1986; 159: 107
- Hashimoto BE; Filly RA; Callen PW: sonographic detection of fetal intraperitoneal fluid. *J Ultrasound Med* 1986; 5: 203
- Hashimoto BE; Filly RA; Callen PW: sonographic diagnosis of clubfoot in utero. *J Ultrasound Med* 1986; 5: 81
- Hashimoto H See Daimaru Y
- Hashimoto H See Fukuda T
- Hashimoto H See Takemoto K
- Hashimoto H; Ohnishi H; Yuasa T; et al: duplicate origin of the vertebral artery: report of two cases. *Neuroradiol* 1987; 29: 301
- Hashimoto S See Kondo M
- Hashimoto S See Matsuda T
- Hashimoto S See Nakase H
- Hashimoto S See Shimizu K
- Hashimoto T See Morimoto K
- Hashimoto T See Nakamura H
- Haskell DS See Lee DJ
- Haskell L See Fields SI
- Haskell L See Levy PJ
- Haskin ME See Peyster RG
- Haskin PH See Brandon JC
- Haskin PH See Glick SN
- Haskin PH See Laffey PA
- Haskin PH See Lee LI
- Haskin PH See Sammon JK
- Haskin PH See Teplick SK
- Haskin PH See Whitman MS
- Haskin PH; Teplick SK; Sammon JK; et al: common duct stone management. *Semin US CT MR* 1987; 8: 134
- Haskin PH; Teplick SK; Sammon JK; et al: monoclonal antibody infusion and stone removal through the transperineal tract: use in 17 patients. *AJR* 1987; 148: 185
- Haslett TM See Hilton E
- Haslam RM See Evill CA
- Haslam RM; Evill CA; Brophy BP; et al: Doppler flow measurements in the assessment of carotid artery stenosis. *Australas Radiol* 1987; 31: 365
- Hasan A See Corbett RJT
- Hasan M See Bouquet J-C
- Hasel DR; Glasier CM; McConnell JR: granulomatous cystitis in chronic granulomatous disease: ultrasound diagnosis. *Pediatr Radiol* 1987; 17: 254
- Hasel DR; Reifsteck JE; Harshfield DL; et al: unilateral left leg edema: variation of the May-Thurner syndrome. *Cardiovasc Intervent Radiol* 1987; 10: 89
- Hassenbusch S See Kumar AJ
- Hasso AN See Christiansen EL
- Hasso AN See Hinshaw DB Jr
- Hasso AN See Kieffer SA
- Hasso AN; McKinney JM; Killen J; et al: computed tomography of children and adolescents with suspected spinal stenosis. *JCAT* 1987; 11: 609
- Hastrup W See Nyberg DA
- Hastrup W See Porter BA
- Hastrup W See Richardson ML
- Hastrup W Jr See Shuman WP
- Hassou K See Carlos R
- Hassou K; Fukui M; Tamura S; et al: gliomas with dural invasion: computed tomography and angiography. *CT* 1986; 12: 100
- Hassou K; Fukui M; Tamura S; et al: oligodendrogliomas of the lateral ventricle: computed tomography and angiography. *CT* 1987; 11: 376
- Hassou K; Tamura S; Yasumori K; et al: computed tomography and angiography in MELAS (mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes): report of 3 cases. *Neuroradiol* 1987; 29: 393
- Hata K See Teshima T
- Hata K; Hata T; Takamiya O; et al: ultrasonographic measurements of the fetal neck correlated with gestational age. *J Ultrasound Med* 1988; 7: 333
- Hata T See Hata K
- Hatabu H See Miki Y
- Hatabu H See Sadotou N
- Hatabu H See Titelbaum DS
- Hatakeyama M See Yoshimura H
- Hatayama T See Nishimura Y
- Hatazawa J See Di Chiro G
- Hatazawa J See Itoh M
- Hatazawa J; Brooks RA; Dalakas MC; et al: cortical motor-sensory hypometabolism in amyotrophic lateral sclerosis: a PET study. *JCAT* 1988; 12: 630
- Hatazawa J; Brooks RA; Di Chiro G; et al: global cerebral glucose utilization is independent of brain size: a PET study. *JCAT* 1987; 11: 571
- Hatfield KD: disc calcification in childhood: a case report with C.T. findings. *Australas Radiol* 1987; 31: 397
- Hatfield M; Muraki A; Wollman R; et al: isolated frontal lobe calcification in Sturge-Weber syndrome. *AJNR* 1988; 9: 203
- Hatfield MK See Kahn CE Jr
- Hatfield MK; MacMahon H; Martin WB; et al: effect of previous thoracic surgery on gallium uptake in the chest. *J Nucl Med* 1987; 28: 1831
- Hatfield MK; MacMahon H; Ryan JW; et al: postoperative recurrence of lung cancer: detection of whole-body gallium scintigraphy. *AJR* 1986; 147: 911
- Hatfield MK; Martin WB; Ryan JW; et al: cardiac gallium uptake in doxorubicin-induced cardiotoxicity. *Clin Nucl Med* 1986; 11: 756
- Hatfield MK; Vyborny CJ; MacMahon H; et al: congenital absence of the azygos vein: a cause for "aortic nipple" enlargement. *AJR* 1987; 149: 273
- Hattery RR See Binkovitz LA
- Hattery RR; Hartman GW; Williamson B: general case of the day, annual meeting. 1985. *Radiographics* 1986; 6: 1091
- Hattery RR; Williamson B; Hartman GW; LeRoy AJ; Witten DM: intravenous urographic technique. *Radiology* 1988; 167: 593
- Hattner RS See Engestad BL
- Hattori N; Fujikawa J; Kubo K; et al: CT diagnosis of perineuritic venous ring. *JCAT* 1986; 10: 1078
- Hauck RM See Lee VW
- Hauseisen DC; Weiner DS; Weiner SD: characterization of "transient synovitis of the hip" in children. (ab). *Radiology* 1986; 159: 824
- Hauenstein K See Roeren T
- Hauer-Jensen M; Poulakos L; Osborne JW: effects of accelerated fractionation on radiation injury of the small intestine: a new rat model. *Int J Radiat Oncol Biol Phys* 1988; 14: 1205
- Haug CE See Shapiro JI
- Haug PJ; Tocino IM; Clayton PD; Bair TL: automated management of screening and diagnostic mammography. *Radiology* 1987; 164: 747
- Hauge HN See Nakstad PH
- Hauge M See Anderson PE Jr
- Haugen OA See Nordby A
- Haugen SG; Wasserman NF: keratinizing desquamate squamous metaplasia of the upper urinary tract. *Urol Radiol* 1986; 6: 211
- Haughton VM See Beyer GA
- Haughton VM See Breger RK
- Haughton VM See Cesarini K
- Haughton VM See Czervionke LF
- Haughton VM See Daniels DL
- Haughton VM See Ho PSP
- Haughton VM See Kilgore DP
- Haughton VM See Lipman BT
- Haughton VM See Naidich TP
- Haughton VM See Runge VM
- Haughton VM See Williams AL
- Haughton VM See Yenerich DO
- Haughton VM See Yu S
- Haughton VM; MR imaging of the spine. *Radiology* 1986; 166: 297
- Haughton VM; Nguyen CM; Ho K-C: effect of chymopain on the meninges studied in an experimental model. *Radiology* 1988; 169: 473
- Haughton VM; Frost R: pituitary fossa: chemical shift effect in MR imaging. *Radiology* 1986; 158: 461
- Haughton VM; Rimm AA; Czervionke LF; Breger RK; Fisher ME; Papke RA; Hendrix LE; Strother CM; Turski PA; Williams AL; Daniels DL: sensitivity of Gd-DTPA-enhanced MR imaging of benign extraaxial tumors. *Radiology* 1988; 166: 829
- Haughton VM; Rimm AA; Sobocinski KA; Papke RA; Daniels DL; Williams AL; Lynch R; Levine R: blinded clinical comparison of MR imaging and CT in neuroradiology. *Radiology* 1986; 166: 751
- Haugland H; Vik-Mo H: aneurysm of the atrial septum: motion pattern in relation to respiratory and cardiac cycles. *JCU* 1986; 14: 52
- Haus AG: recent advances in screen-film mammography. *Radiol Clin North Am* 1987; 25: 913
- Hausdorf G See Spielmann RP
- Hausser CJ; Huprich JE; Bosco P; et al: triple-contrast computed tomography in the evaluation of penetrating posterior abdominal injuries. (ab). *Radiology* 1988; 166: 908
- Hausser H; Gurett JP: miliary tuberculosis associated with adrenal enlargement: CT appearance. *JCAT* 1986; 10: 254
- Hausser MF See Brown ML
- Hausser MF See Kriegerhauser JS
- Hausser MF See Magnusson JE
- Hausser OW See Mokri B
- Hausser MF See Munset D
- Haverling M See Jacobsson H
- Hawass ND See Kolawole TM
- Hawass ND: false negative sonographic finding in emphysematous cholecystitis. *Acta Radiol* 1988; 29: 137
- Hawass ND; Badawi MG; Fatani JA; et al: horseshoe lung with multiple congenital anomalies: case report and review of the literature. *Acta Radiol* 1987; 28: 751
- Hawass ND; El-Badawi MG; Fatani JA; et al: myelographic study of the spinal cord ascent during fetal development. *AJNR* 1987; 8: 691
- Hawass ND; Kolawole TM; Badawi MG: concomitant pulmonary arteriovenous and inferior vena cava malformations: a case report. *Eur J Radiol* 1988; 8: 102
- Hawass N-E-D See Naim-Ur-Rahman
- Hawbolt EB See Fache JS
- Hawes DR See Mann LC
- Hawkes DJ; Jackson DF; Parker RF: tissue analysis by dual-energy computed tomography. *Br J Radiol* 1986; 59: 537
- Hawkes RC See Jolesz FA
- Hawkes RC See Patz S
- Hawkes RC; Patz S: rapid Fourier imaging using steady-state free precession. *Magn Res Med* 1987; 4: 9
- Hawkes SP See O'Leary DJ
- Hawkey CJ; Amar SS; Daintith HAM; et al: familial varices of the colon occurring without evidence of portal hypertension. (ab). *Radiology* 1986; 158: 858
- Hawkins DB: lateral sinus thrombosis: sometimes unexpected diagnosis. (ab). *Radiology* 1986; 159: 574
- Hawkins IF See Hawkins J
- Hawkins IF See Pessa ME
- Hawkins IF Jr See Hawkins JS
- Hawkins IF Jr See McNeely GF
- Hawkins IF Jr See Miles SG
- Hawkins IF Jr See Urrutia EJ
- Hawkins J; Quisling RG; Mickle JP; Hawkins IF: retrievable Gianturco-coil introducer. *Radiology* 1986; 158: 262
- Hawkins JS See Hanner JS
- Hawkins JS; Coryell LW; Miles SG; Giovannetti MJ; Siragusa RJ; Hawkins IF Jr: directional needle for antegrade guide wire placement with vertical arterial puncture. *Radiology* 1988; 168: 271
- Hawkins MC See Urrutia EJ
- Hawkins R See Gaze BH
- Hawkins RA; Hall T; Gambhir SS; et al: radionuclide evaluation of liver transplants. *Semin Nucl Med* 1988; 18: 199
- Hawkins TD: case report: traumatic carotid-cavernous fistula with contralateral proptosis. *Clin Radiol* 1986; 37: 509
- Hawkins TD; Szaz KF: permeability of detachable latex rubber balloons: an in vitro study. *Invest Radiol* 1987; 22: 969
- Hawman EG See Bieszk JA

- Hawryszko C See Tropp JS
 Hay ID See Gorman B
 Hay ID See Sutton RT
 Hay S See Vyhmeister NR
 Hay TC See Osborn RE
 Hayakawa K See Araki T
 Hayakawa K; Nakamura R; Ishii Y: effect on the blood-brain barrier of intracarotid contrast media—iopamidol and diatrizoate, *Eur J Radiol* 1988; 8: 47
 Hayakawa K; Yamashita K; Ishii Y: contrast media induced ventricular fibrillation during coronary angiography in dogs, *Acta Radiol* 1988; 29: 371
 Hayashi H See Palmaz JC
 Hayashi K See Matsunaga N
 Hayashi K See Mori H
 Hayashi K; Fukushima T; Matsunaga N; et al: Takayasu's arteritis: decrease in aortic wall thickening following steroid therapy, documented by CT, *Br J Radiol* 1986; 59: 281
 Hayashi K; Futagawa S; Kozaki S; et al: ultrasound and CT diagnosis of intramural duodenal hematoma, *Pediatr Radiol* 1988; 18: 167
 Hayashi K; Nagasaki M; Matsunaga N; Hombro Z; Imamura T: initial pulmonary artery involvement in Takayasu arteritis, *Radiology* 1986; 159: 401
 Hayashi M See Kawano H
 Hayashi M See Orita T
 Hayashi M; Kobayashi H; Kawano H; et al: isotope cisternography in patients with intracranial hypertension, *J Nucl Med* 1986; 27: 471
 Hayashi N; Tamaki N; Konishi J; et al: sonography of Hashimoto's thyroiditis, *JCU* 1986; 14: 123
 Hayashi N; Tamaki N; Senda M; et al: new method of measuring in vivo sound speed in the reflection mode, *JCU* 1988; 16: 87
 Hayashi N; Tamaki N; Yamamoto K; et al: sonography of pseudomyxoma peritonei, *J Ultrasound Med* 1986; 5: 401
 Hayashi N; Yamamoto K; Tamaki N; Shibata T; Itoh K; Fujisawa I; Nakano Y; Yamaoka Y; Kobayashi N; Mori K; Ozawa K; Torizuka K: metastatic nodules of hepatocellular carcinoma: detection with angiography, CT, and US, *Radiology* 1987; 165: 61
 Hayashi S See Araki T
 Hayashi T See Yoshikawa M
 Hayashida K See Nishimura T
 Hayatt N See Al-Bahar R
 Hayden CK See McArdle CB
 Hayden CK Jr See Fawcett HD
 Hayden CK Jr See Swischuk LE
 Hayden CK Jr; Swischuk LE; Fawcett HD; Rytting JE; McCord G: urinary tract infections in childhood: current imaging approach, *Radiographics* 1986; 6: 1023
 Hayden CK Jr; Swischuk LE; Rytting JE: gastric ulcer disease in infants: US findings, *Radiology* 1987; 164: 131
 Hayden CK Jr; Swischuk LE; Smith TH; Armstrong EA: renal cystic disease in childhood, *Radiographics* 1986; 6: 97
 Hayden RE See Glazer HS
 Hayden RE See Niemeyer JH
 Hayden SA; Davis KA; Stearns JC; et al: MR imaging of heterotopic gray matter, *JCAT* 1987; 11: 878
 Hayden SA; Russ PD; Pretorius DH; et al: posterior urethral obstruction: prenatal sonographic findings and clinical outcome in fourteen cases, *J Ultrasound Med* 1988; 7: 371
 Hayden WG See Zimmerman JJ
 Hayek J See Dvorak J
 Hayes C See Crivello MS
 Hayes CE See Perman WH
 Hayes CW See Conway WF
 Hayes CW; Rosenthal DI; Plata MJ; et al: calcific tendinitis in unusual sites associated with cortical bone erosion, *AJR* 1987; 149: 967
 Hayes DH; Bolton JS; Willis GW; et al: carcinoma of the ampulla of Vater, (ab), *Radiology* 1988; 167: 882
 Hayes JK Jr; Sapoznik MD; Miller FJ: definitive radiation therapy in bile duct carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 15: 735
 Hayes JP See Evans WE
 Hayes WS; Sherman JL; Stern BJ; et al: MR and CT evaluation of intracranial sarcoidosis, *AJNR* 1987; 8: 841
 Haykal HA See Wang A-M
 Haykal HA; Wang A-M: CT diagnosis of delayed cerebral air embolism following intraaortic balloon pump catheter insertion, *Comput Radiol* 1986; 10: 307
 Haykal HA; Wang A-M; Zamani A: leiomyosarcoma metastatic to the brain: CT features and review, *AJNR* 1987; 8: 911
 Haykal HA; Zamani A; Wang A-M; et al: CT features of early *Listeria monocytogenes* cerebritis, *AJNR* 1987; 8: 279
 Hayman LA See Kirkpatrick JB
 Hayman LA; Ford JJ; Taber KH; Saleem A; Round ME; Bryan RN: T2 effect of hemoglobin concentration: assessment with in vitro MR spectroscopy, *Radiology* 1988; 168: 489
 Hayne LA See van Sonnenberg E
 Hayne LA; Schmidt R; Marglin SI: strut fracture of a Bjork-Shiley mitral valve prosthesis, *AJR* 1987; 149: 699
 Haynes R; Sobel DF; Holeman G: cranial arteriovenous hemangioma in a neonate, *AJNR* 1987; 8: 916
 Haynes RC; Amy JR: asymmetric temporal bone pneumatization: an MR imaging pitfall, *AJNR* 1988; 9: 803
 Haynes de Regt R See Lee HK
 Haynie TP See Blacher E
 Haynie TP See Charnsangavej C
 Haynor DR See Castagno AA
 Haynor DR See Clark JM
 Haynor DR See Shuman WP
 Haynor DR; Borning AW; Griffin BA; Jacky JP; Kalet JJ; Shuman WP: radiotherapy planning: direct tumor location on simulation and port films using CT, part I. principles, *Radiology* 1986; 158: 537
 Haynor DR; Mack LA; Soules MR; Shuman WP; Montana MA; Moss AA: changing appearance of the normal uterus during the menstrual cycle: MR studies, *Radiology* 1986; 161: 459
 Hays D See Raptopoulos V
 Hays D; Patterson RM: comparison of fetal biometric ratios to neonatal morphometrics, *J Ultrasound Med* 1987; 6: 71
 Hays TJ See Stewart CA
 Hayt DB: use of light localizer in fluoroscopically guided percutaneous procedures, *AJR* 1987; 149: 623
 Hayter W See Langlois SLP
 Hayward C See Adams H
 Hayward C See Colhoan EN
 Hayward I See Kussnick C
 Hayward I; Björkengren AG; Pathria MN; Zlatkin MB; Sarfritz DJ; Resnick D: patterns of femoral head migration in osteoarthritis of the hip: a reappraisal with CT and pathologic correlation, *Radiology* 1988; 166: 857
 Hayward I; Yaru N; Grafe M; et al: knee pain and swelling in a 38-year-old woman, *Invest Radiol* 1987; 22: 516
 Hayward MWJ See Nicholson AA
 Hayward RS; Bowering CK; Warshawski RS: I-131 metaiodobenzylguanidine uptake in a parathyroid adenoma, *Clin Nucl Med* 1988; 13: 632
 Hayward SJ; McIvor J; Burdge AH; et al: staging of prostatic carcinoma with radionuclide bone scintigraphy and lymphography, *Br J Radiol* 1987; 60: 79
 Haywood JM See Cowen AR
 Hazel JG Jr: complications in diagnostic imaging, *Radiology* 1988; 169: 252
 Hazelton AE; Earnest MP: impact of computed tomography on stroke management and outcome, (ab), *Radiology* 1987; 164: 294
 Hazle JD See Narayana PA
 Hazuka MB; Ibbott GS; Kinzie JJ: hip prostheses during pelvic irradiation: effects and corrections, *Int J Radiat Oncol Biol Phys* 1988; 14: 1311
 Hazuka MB; Kinzie JJ: brain metastases: results and effects of re-irradiation, *Int J Radiat Oncol Biol Phys* 1988; 15: 433
 Heacock CS; Sutherland RM: induction characteristics of oxygen regulated proteins, *Int J Radiat Oncol Biol Phys* 1986; 12: 1287
 Heading RC See Sellar RJ
 Healey JH; Turnbull ADM; Miedema B; et al: acrometastases, (ab), *Radiology* 1987; 162: 294
 Healy ME See Gerard E
 Healy ME See Hesselink JR
 Healy ME; Hesselink JR; Press GA; Middleton MS: increased detection of intracranial metastases with intravenous Gd-DTPA, *Radiology* 1987; 165: 619
 Healy RW See Thayer JO
 Healy WL See Lo TCM
 Healy WL See Owen RS
 Heaney JA; Pfister RC; Meares EM Jr: giant cyst of the seminal vesicle with renal agenesis, *AJR* 1987; 149: 139
 Heap RB See Mountford PJ
 Heard JG See Miller WC
 Heare MM; Gillespie T III; Bittar ES: direct coronal computed tomography arthrography of osteochondritis dissecans of the talus, *Skeletal Radiol* 1988; 17: 187
 Hearshen D See Helsen JA
 Hearshen DO See Hagger AM
 Hearshen DO; Ellis JH; Carson PL; Shreve P; Aisen AM: boundary effects from opposed magnetization artifact in IR images, *Radiology* 1986; 160: 543
 Heaston DK See Moore AV Jr
 Heath R See Langlois SLP
 Heatherly T See Karlik SJ
 Heavily LR; Glazer GM; Francis IR; et al: abscesses with enteric communication: a potential pitfall in computed tomography, *JCAT* 1987; 11: 470
 Heavily LR; Glazer GM; Gross BH; et al: role of CT in staging radiographic T₁N₀M₀ lung cancer, *AJR* 1986; 146: 285
 Hebel R See Kalender WA
 Hebert G See Baines CJ
 Hébert G See Nicolet V
 Hecht S See Dooms GC
 Hecht-Leavitt C See Curran WJ
 Hecht-Leavitt C; Gomori JM; Grossman RI; et al: high-field MRI of hemorrhagic cortical infarction, *AJNR* 1986; 7: 581
 Hecht-Leavitt C; Grossman RI; Curran WJ Jr; et al: MR of brain radiation injury: experimental studies in cats, *AJNR* 1987; 8: 427
 Hecht-Leavitt CM See Grossman RI
 Heck L See Kaplan PA
 Heck LL: recognition of atypical reflex sympathetic dystrophy, *Clin Nucl Med* 1987; 12: 925
 Heckerling FS: need for chest roentgenograms in adults with acute respiratory illness: clinical predictors, (ab), *Radiology* 1987; 162: 291
 Heckmatt JJ; Pier N; Dubowitz V: assessment of quadriceps femoris muscle atrophy and hypertrophy in neuromuscular disease in children, *JCU* 1988; 16: 177
 Heckmatt JJ; Pier N; Dubowitz V: measurement of quadriceps muscle thickness and subcutaneous tissue thickness in normal children by real-time ultrasound imaging, *JCU* 1988; 16: 171
 Hedberg MC; Drayer BP; Flom RA; et al: gradient echo (GRASS) MR imaging in cervical radiculopathy, *AJNR* 1988; 9: 145
 Hedbrant J See Djerf K
 Hederman MA See Emami B
 Hederström E See Akesson A
 Hederström E See Forsberg I
 Hederström E See Lundstedt C
 Hederström E; Forsberg L: ultrasonography in carcinoma of the gallbladder: diagnostic difficulties and pitfalls, *Acta Radiol* 1987; 28: 715
 Hederström E; Forsberg L; Herlin P; et al: fatty meal provocation monitored by ultrasonography: a method to diagnose ambiguous gallbladder disease, *Acta Radiol* 1988; 29: 207
 Hedgecock MW See Marotti M
 Hedges TR III See Kwan ESK
 Hedges TR III See Wolpert SM
 Hedgcock MT; Boulware DW: interstitial pneumonitis in antineutrophil antibody-negative systemic lupus erythematosus: a new clinical manifestation and possible association with anti-Ro (SS-A) antibodies, (ab), *Radiology* 1988; 169: 287
 Hedin A See Ahlström H
 Hedlund GL See Brown SB
 Hedlund GL See Schlesinger AE
 Hedlund LW See Chiles C
 Hedlund LW See Dimick RN
 Hedlund LW See Stude RA
 Hedlund LW See Tarver RD
 Hedlund LW See Vock P
 Hedlund LW; Deitz J; Nassar R; et al: ventilator for magnetic resonance imaging, *Invest Radiol* 1986; 21: 18
 Hedlund LW; Johnson GA; Karis JP; et al: MR "microscopy" of the rat thorax, *JCAT* 1986; 10: 948
 Hedlund LW; Johnson GA; Mills GI: magnetic resonance microscopy of the rat thorax and abdomen, *Invest Radiol* 1986; 21: 843
 Hedrick WR; Di Simone RN; Keen RL: radiation dosimetry from breast milk excretion of radioiodine and pertechnetate, *J Nucl Med* 1986; 27: 1569
 Hedrick WR; Di Simone RN; Wolf BH; Langer A: absorbed dose to the fetus during bone scintigraphy, *Radiology* 1988; 168: 245
 Hedrick WR; Milavickas LR: reevaluation of the newborn thyroid dose from radioiodines, *J Nucl Med* 1987; 28: 1208
 Heelan RT See Demas BE
 Heelan RT See Martini N
 Heelan RT See Zerhouni EA
 Heelan RT; Hillaris BS; Anderson LL; Nori D; Martini N; Watson RC; Caravelli JF; Linares LA: lung tumors: percutaneous implantation of I-125 sources with CT treatment planning, *Radiology* 1987; 164: 735
 Heffner LJ See Benacerraf BR
 Heffner ML See Chew FS
 Hegedus L See Karstrup S
 Hegedus V See Mohammed SH
 Hegedus V See Skomoroska E
 Hegedus V; Raaschou HO: radiologically guided dilatation of stenotic gastroduodenal anastomosis, *Gastrointest Radiol* 1986; 11: 27

- Heger I See Wulff K
 Hegge FN; Prescott GH; Watson PT: fetal facial abnormalities identified during obstetric sonography. *J Ultrasound Med* 1986; 5: 679
 Hegge FN; Prescott GH; Watson PT: sonography at the time of genetic amniocentesis to screen for fetal malformations, (ab). *Radiology* 1988; 168: 588
 Hegge FN; Prescott GH; Watson PT: utility of a screening examination of the fetal extremities during obstetrical sonography. *J Ultrasound Med* 1986; 5: 639
 Hegge JO See Swanson DK
 Heggen WD See Hartshorne MF
 Hegstrom T; Emmons LL; Hoddes E; et al: obstructive sleep apnea syndrome: preoperative radiologic evaluation. *AJR* 1988; 150: 67
 Hei TK See Hall EJ
 Hei TK See Marchese MJ
 Hei TK; Marchese MJ; Hall EJ: radiosensitivity and sublethal damage repair in human umbilical cord vein endothelial cells. *Int J Radiat Oncol Biol Phys* 1987; 13: 879
 Heiberg E; Wulfsberg MK; Sundaram M; et al: body computed tomography findings in systemic lupus erythematosus. *CT* 1988; 12: 68
 Heier LA See Zimmerman RD
 Heier LA; Lee BCP: dural spinal arteriovenous malformation with epidural venous drainage: case report. *AJNR* 1987; 8: 561
 Heij HA; Oberdorfer H; van Blankenstein M; et al: comparison of endoscopic retrograde pancreatography with functional and histologic changes in chronic pancreatitis. *Acta Radiol* 1987; 28: 289
 Heiken JP See Chang A
 Heiken JP See Ling D
 Heiken JP See Mirowsitz S
 Heiken JP See Reiman TH
 Heiken JP See Rholl KS
 Heiken JP See Weinstein JB
 Heiken JP See Worthington JL
 Heiken JP; Lee JKT: MR imaging of the pelvis. *Radiology* 1988; 166: 11
 Heiken JP; McClelland BL; Gold RF: renal lymphoma. *Semin US CT MR* 1986; 7: 58
 Heikkinen J See Mäntylä M
 Heilmann H-P See Rubin P
 Heilmann HP; Gunderson LL: gastrointestinal sites. *Int J Radiat Oncol Biol Phys* 1988; 14: 5169
 Heilmann M See Huvo AG
 Heim M; et al See Graif M
 Heiman-Patterson T See Hansman ML
 Heimdahl K; Hannisdal E; Fosså SD: survival after palliative radiotherapy of liver metastases: a search for prognostic factors. *Acta Oncol* 1988; 27: 63
 Heimer D See Hertzau Y
 Heindel ND See Brady LW
 Heindel W; Friedmann G; Bunka J; et al: artifacts in MR imaging after surgical intervention. *JCAT* 1986; 10: 596
 Heine G See Delius M
 Heineman FW See Portman MA
 Heinrichs L See Hricak H
 Heinrichs LW See Mark AS
 Heinrichs WL; Fong P; Flannery M; et al: midgestational exposure of pregnant BALB/c mice to magnetic resonance imaging conditions. *Magn Res Imag* 1988; 6: 305
 Heinsimer JA See Foster WL Jr
 Heinsimer JA See Utz JA
 Heinz ER See Salomon A
 Heinz ER See Woodruff WW Jr
 Heiser WJ See Norrby JF
 Heiss HW See Palmaz JC
 Heiss JD; Tew JM Jr: diskogenic diseases of the spine: clinical aspects. *Semin Roentgenol* 1988; 23: 93
 Heiss W-D; Herholz K; Bocher-Schwarz HG; et al: PET, CT, and MR imaging in cerebrovascular disease. *JCAT* 1986; 10: 903
 Heithoff KB See Schellhas KP
 Heitner D See Swayne LC
 Heitzman ER See Elkin M
 Heitzman ER See Jones MD
 Heitzman ER See Panicek DM
 Heitzman ER; Buenger RE: socioeconomic and ethical issues in medicine: toward understanding and dialogue. *Radiology* 1986; 159: 282
 Hekster REM See Fagel WJ
 Hekster REM; Endtz LJ: spinal-cord compression caused by vertebral haemangioma relieved by percutaneous catheter embolisation: 15 years later. *Neuroradiol* 1987; 29: 101
 Helbing SJ See Travis EL
 Heldwein W; Sommerlatte T; Hasford J; et al: evaluation of the usefulness of dimethicone and/or senna extract in improving the visualization of abdominal organs. *JCU* 1987; 15: 455
 Hellas A See Martin N
 Helle PA See Treurniet-Donker AD
 Hellenbrand WE See Ascutto RJ
 Heller C See Stiller RJ
 Heller GV See Brown KA
 Heller H; Braittner S; Petsch R; et al: disk processes in MR. *Eur J Radiol* 1986; 6: 59
 Heller I See van Rijn ABB
 Heller KM; Horev G; Kirchner SG; Schaffner W: AIDS awareness in the conduct of radiologic procedures: guidelines to safe practice. *Radiology* 1988; 166: 563
 Heller M See Crone-Munzbrock W
 Heller RM See Schifter T
 Heller RM; Chapman JE; Dike DH; et al: disposition of the resident unsuited for the discipline of diagnostic radiology. *Invest Radiol* 1987; 22: 427
 Heller RM; Szalay EA; Green NE; et al: disc space infection in children: magnetic resonance imaging. *Radiol Clin North Am* 1988; 26: 207
 Heller SL; Goodwin PN: SPECT instrumentation: performance, lesion detection, and recent innovations. *Semin Nucl Med* 1987; 17: 184
 Heller VL See Lewis BD
 Hellman RM See Yousufi Z
 Hellman RS See Collier BD Jr
 Hellman RS; Nowak D; Collier BD; Isitman A; Eisner RL: evaluation of distance-weighted SPECT reconstruction for skeletal scintigraphy. *Radiology* 1986; 159: 473
 Hellman S; Harris JR: breast cancer: considerations in local and regional treatment. *Radiology* 1987; 164: 593
 Hellsten S See Sjöberg S
 Hellstrom M; Brolin I: dietary fibers in the preparation of the bowel for diagnostic barium enema. *Gastrointest Radiol* 1987; 12: 76
 Hellstrom M; Hjalmas K; Jacobsson B; et al: ureteral diameter in low-risk vesicoureteral reflux in infancy and childhood. *Acta Radiol* 1986; 27: 77
 Hellstrom M; Jodal U; Marild S; et al: ureteral dilatation in children with febrile urinary tract infection or bacteriuria. *AJR* 1987; 148: 483
 Hellstrom PA See Sinilasto TMJ
 Helium K See Sand T
 Hellwig D See Brecht-Kraus D
 Helmer S; Abghari R; Stone AJ; et al: detection of benign cardiac fibroma on thallium-201 imaging in an adult. *Clin Nucl Med* 1987; 12: 365
 Helmi A See Saad AH
 Helmg FJ See Schneider K
 Helminen J See Taavitsainen M
 Helmius G See Erikson U
 Helmke K; Winkler P; Kock C: sonographic examination of the brain stem area in infants: echographic and anatomic analysis. *Pediatr Radiol* 1987; 17: 1
 Helms CA See Gillespy T III
 Helms CA See Onik G
 Helms CA See Richardson ML
 Helms CA See Rogers LF
 Helms CA See Steinbach LS
 Helms CA See Sweeney JP
 Helms CA; Gillespy T III; Sims RE; et al: magnetic resonance imaging of internal derangement of the temporomandibular joint. *Radiol Clin North Am* 1986; 24: 189
 Helms CA; Jeffrey RB Jr; Wing VW: computed tomography and plain film appearance of a bony sequestration: significance and differential diagnosis. *Skeletal Radiol* 1987; 16: 117
 Helms CA; Sims RE: foramen spurs: normal variant in the lumbar spine. *Radiology* 1986; 160: 153
 Helms CA; Vogler JB III; Hardy DC: CT of the lumbar spine: normal variants and pitfalls. *Radiographics* 1987; 7: 447
 Helpert JA; Curtis JC; Hearnshen D; et al: development of a pH-sensitive contrast agent for NMR ¹H imaging. *Magn Res Med* 1987; 5: 302
 Helsel RA See Matthews JI
 Helson L See Dershaw DD
 Helson L See Yeh SDJ
 Helsper JT See Ross B
 Helus F See Knapp WH
 Helvie MA; Rubin JM; Silver TM; et al: distinction between femoral artery pseudoaneurysms and other causes of groin masses: value of duplex Doppler sonography. *AJR* 1988; 150: 1177
 Helweg G See Resch H
 Helwig EB See Hjermstad BM
 Helzel T See Buikman D
 Hemingway AP See Czerniak A
 Hemingway AP See Gibson RN
 Hemingway AP See Phillips GWL
 Hemingway AP; Allison DJ: complications of embolization: analysis of 410 procedures. *Radiology* 1988; 166: 669
 Hemmingsson A See Adalsteinsson B
 Hemmingsson A See Andersson T
 Hemmingsson A See Benson L
 Hemmingsson A See Erikaon U
 Hemmingsson A See Jung B
 Hemmingsson A See Nyman R
 Hemmingsson A See Sperber GO
 Hemmingsson A; Carlsten J; Ericson A; et al: relaxation enhancement of the dog liver and spleen by biodegradable superparamagnetic particles in proton magnetic resonance imaging. *Acta Radiol* 1987; 28: 703
 Hemmingsson A; Jung B; Ytterbergh C: dual energy computed tomography: simulated monoenergetic and material-selective imaging. *JCAT* 1986; 10: 490
 Hendee WR See Doege TC
 Hendee WR See Rackow PL
 Hendee WR See Shore RM
 Hendee WR: disposal of low-level radioactive wastes. *Semin Nucl Med* 1986; 16: 184
 Hendee WR: management of individuals accidentally exposed to radiation or radioactive materials. *Semin Nucl Med* 1986; 16: 203
 Hendee WR: perception of visual information. *Radiographics* 1987; 7: 1213
 Hendee WR; Doege TC: origin and health risks of indoor radon. *Semin Nucl Med* 1988; 18: 3
 Hendee WR; Edwards FM: ALARA and an integrated approach to radiation protection. *Semin Nucl Med* 1986; 16: 142
 Hendee WR; Kellie SE: mammographic screening in women 40-49 years old. *AJR* 1988; 151: 683
 Henderson BL See Roddie ME
 Henderson DK; Saah AJ; Zak BJ; et al: risk of nosocomial infection with human T-cell lymphotropic virus type III/lymphadenopathy-associated virus in a large cohort of intensively exposed health care workers, (ab). *Radiology* 1986; 161: 283
 Henderson JM See Bernardino ME
 Henderson JM; Campbell JD; Olson R; et al: role of computed tomography in screening for hepatocellular carcinoma in patients with cirrhosis. *Gastrointest Radiol* 1988; 13: 129
 Henderson LM; Aghamohammadi SZ; Arlett CF; et al: lack of discernible effect of diagnostic ultrasound on the chromosomes of cord blood lymphocytes exposed *in vitro*. *Br J Radiol* 1986; 59: 499
 Henderson LT; Denneny JC III; Teichgraber J: airway-obstructing epiglottic cyst, (ab). *Radiology* 1986; 161: 861
 Henderson R See Otto R
 Henderson RD See Zalev AH
 Henderson RG See Pring DJ
 Henderson RG; Rahmatulla TD: case of the month: epidemic tumour. *Br J Radiol* 1987; 60: 511
 Henderson SD See Abrath FG
 Henderson SD; Purdy JA; Gerber RL; et al: dosimetry considerations for a Lipowitz metal tissue compensator system. *Int J Radiat Oncol Biol Phys* 1987; 13: 1107
 Hendin AP See Gibney RG
 Hendler BH See Swartz JD
 Hendrick RE See Stark DD
 Hendrick RE: sampling time effects on signal-to-noise and contrast-to-noise ratios in spin-echo MRI. *Magn Res Imag* 1987; 5: 31
 Hendrick RE; Kneeland JB; Stark DD: maximizing signal-to-noise and contrast-to-noise ratios in FLASH imaging. *Magn Res Imag* 1987; 5: 117
 Hendricks P See Intenzo CM
 Hendricks SA See Allen DB
 Hendricks SK See Mahony BS
 Hendrickson FR See Soroja KR
 Hendrickson FR: radiation treatment planning: the physician's role. *Radiographics* 1988; 8: 987
 Hendrickson MR See Mark AS
 Hendriks JHCL See Schade FB
 Hendriks MJ See Feldberg MAM
 Hendrix LE See Houghton VM
 Hendrix RW; Urban MA; Schroeder JL; Rogers LF: carpal predominance in rheumatoid arthritis. *Radiology* 1987; 164: 219
 Hendry GMA See Adam R
 Hendry GMA See Hendry PJ
 Hendry GMA See Kenney IJ
 Hendry GMA See Walsh JS
 Hendry JH See Chen F-d
 Hendry PJ; Hendry GMA: ultrasonic diagnosis of a bronchogenic cyst in a child with persistent stridor. *Pediatr Radiol* 1988; 18: 338
 Heneghan MA; Sosulski R; Baquero JM: persistent pulmonary abnormalities in newborns: changing picture of bronchopulmonary dysplasia. *Pediatr Radiol* 1986; 16: 180
 Henk JM: late results of a trial of hyperbaric oxygen and radiotherapy in head and neck cancer: a rationale for hypoxic cell sensitizers? *Int J Radiat Oncol Biol Phys* 1986; 12: 1339
 Henkelman RM See Bronskill MJ
 Henkelman RM See Crawley AP
 Henkelman RM See Dunlap HJ
 Henkelman RM See McVeigh ER

Henkelman

- Henkelman RM See Mayo JR
 Henkelman RM See Poon FY
 Henkelman RM See Smith MR
 Henkelman RM See van Heteren JG
 Henkelman RM See Wood ML
 Henkelman RM; Hardy P; Poon FY; Bronskill MJ: optimal pulse sequence for imaging hepatic metastases, *Radiology* 1986; 161: 727
 Henkelman RM; van Heteren JG; Bronskill MJ: small animal imaging with a clinical magnetic resonance imager, *Magn Res Med* 1987; 4: 61
 Henkin RE See Halama JR
 Henley DS See Ralla FW
 Henne M; Morano JU; Russell WF: intermittent occlusion of internal carotid artery by hypoglossal nerve, *AJNR* 1988; 9: 791
 Hennessy O See O'Sullivan R
 Hennessy OF See Ptasnik R
 Hennessy OF; Gibson RN; Allison DJ: use of giant steel coils in the therapeutic embolization of a superior mesenteric artery-portal vein fistula, *Cardiovasc Intervent Radiol* 1986; 9: 42
 Hennig J; Friedburg H: clinical applications and methodological developments of the rare technique, *Magn Res Imag* 1988; 6: 391
 Hennig J; Friedburg H: fat and water separation at 0.23 T using simultaneous shift selective imaging, *Magn Res Med* 1986; 3: 844
 Hennig J; Friedburg H; Ott D: fast three-dimensional imaging of cerebrospinal fluid, *Magn Res Med* 1987; 5: 380
 Hennig J; Friedburg H; Strobel B: rapid nontomographic approach to MR myelography without contrast agents, *JCAT* 1986; 10: 375
 Hennig J; Mueri M; Brunner P; et al: fast and exact flow measurements with the fast Fourier flow technique, *Magn Res Imag* 1988; 6: 369
 Hennig J; Mueri M; Friedburg H; et al: MR imaging of flow using the steady state selective saturation method, *JCAT* 1987; 11: 872
 Hennig J; Muri M; Brunner P; Friedburg H: quantitative flow measurement with the fast Fourier flow technique, *Radiology* 1988; 166: 237
 Hennig J; Nauerth A; Friedburg H: RARE imaging: fast imaging method for clinical MR, *Magn Res Med* 1986; 3: 823
 Hennig RC See Hirji MK
 Hennig RC See Johnson MA
 Hennig RC; Wilson SR: suprapubic sonographic detection of prostate carcinoma, (ab), *Radiology* 1986; 158: 287
 Henriksen S See Skomrowska E
 Henriksen J-P See Courtheoux P
 Henriksen LH; Trebo S: post-traumatic coronoid process impingement on zygomatic arch: CT demonstration, *JCAT* 1988; 12: 712
 Henriksen O See Kjaer I
 Henriksen O See Ståhlberg F
 Henriksen O See Thomsen C
 Henriksson GC; Mafee MF; Flanders AE; et al: CT evaluation of plastic intraocular foreign bodies, *AJNR* 1987; 8: 378
 Henriksson C See Geterud K
 Henriksson I; Kelter U: ultrasonography and scintigraphy of the liver in focal and diffuse disease, *Acta Radiol* 1987; 28: 165
 Henry DA See Cho S-R
 Henry DA See Jolles H
 Henry DA; Klier PE; Scheer CE; Cho S-R; Tisnado J: multiple imaging evaluation of sarcoidosis, *Radiographics* 1986; 6: 75
 Henry DA; LeBolt S: invasive hemodynamic monitoring: radiologist's perspective, *Radiographics* 1986; 6: 535
 Henry G: W.H.O. basic radiological system: manual of radiographic technique, *Radiology* 1987; 164: 42
 Henry GW See Frantz EG
 Henry GW See Lucas CL
 Henry M See Wheat LJ
 Henry RE: personal computers: their use in a low-volume imaging department, *AJR* 1986; 146: 1302
 Henry-Amar M See Cosset JM
 Henschke C; Balter S; Whalen J; et al: organizing for radiologic efficiency in a DRG environment, *Invest Radiol* 1988; 23: 321
 Henschke CI See Davis SD
 Henschke CI; Davis SD; Auh Y; et al: detection of bronchial abnormalities: comparison of CT and bronchoscopy, *JCAT* 1987; 11: 432
 Hensinger RN; DeVito PD; Ragsdale CG: changes in the cervical spine in juvenile rheumatoid arthritis, (ab), *Radiology* 1986; 160: 573
 Hensley GT See Post MJD
 Henson J See Goddard P
 Henson J; McCall IW; O'Brien JP: disc damage above a spondylolisthesis, *Br J Radiol* 1987; 60: 69
 Hentschel D See Barfuss H
 Hentz VR; Green PS; Arditi M: imaging studies of the cadaver hand using transmission ultrasound, *Skeletal Radiol* 1987; 16: 474
 Henze E; Tymiec A; Delagardelle C; et al: specification of regional wall motion abnormalities by phase analysis of radionuclide angiograms in coronary artery disease and non-coronary artery disease patients, *J Nucl Med* 1986; 27: 781
 Heon M See Boucher J
 Hepfner ST See Ball JB Jr
 Herba M See Bret PM
 Herba MJ See Casola G
 Herba MJ See Withers CE
 Herba MJ; Casola G; Bret PM; et al: cholangiocarcinoma as a late complication of choledochenteric anastomoses, *AJR* 1986; 147: 513
 Herba MJ; Illescas FF; Thirlwell MP; Boos GJ; Rosenthal I; Atri M; Bret PM: hepatic malignancies: improved treatment with intraarterial Y-90, *Radiology* 1988; 169: 311
 Herberner T; Zajko AB; Koner B; Bron KM; Campbell WL: recurrent cholangiocarcinoma in the biliary tree after liver transplantation, *Radiology* 1988; 169: 641
 Herbert DE: perceived clinical value of NMR measurements on biopsy specimens. part I. interval estimates of diagnostic error rates and a note on an effect of the law of small numbers, *Magn Res Imag* 1986; 4: 215
 Herbert R See Kidambi H
 Herbetko J; Brunton FJ: oesophageal haematoma: report of three cases, *Clin Radiol* 1988; 39: 462
 Herbig FK See Lin MS
 Herbold DR See Salimi Z
 Herbold DR See Sundaram M
 Herbst CP See van Aswegen A
 Herd CM; Robertson AR; Frewin DB; et al: adverse reactions during intravenous urography: are these due to histamine release?, *Br J Radiol* 1988; 61: 5
 Herderick EE See Weiss KL
 Heredia SL: year book of diagnostic radiology, *Radiology* 1988; 169: 382
 Herfkens R See Drayer BP
 Herfkens RJ See Baker ME
 Herfkens RJ See Bottomley PA
 Herfkens RJ See Dimick RN
 Herfkens RJ See Farzanah F
 Herfkens RJ See Kay HH
 Herfkens RJ See Kier R
 Herfkens RJ See Spritzer CE
 Herfkens RJ See Utz JA
 Herfkens RJ See Vock P
 Herholz K See Heiss W-D
 Hering ER: investigation of changes in relative biological effectiveness (RBE) with depth for x ray beams generated between 100 and 250 kVp using the mouse foot as biological test system, *Int J Radiat Oncol Biol Phys* 1986; 12: 815
 Herlin P See Hederström E
 Herlinger H See Coscina WF
 Herlinger H See Glick SN
 Herlinger H See Levine MS
 Herlinger H See Rubenstein SE
 Herlinger H; Maglione DDT: jejunal fold separation in adult celiac disease: relevance of enteroclysis, *Radiology* 1986; 158: 605
 Herlinger H; O'Riordan D; Saul S; Levine MS: nonspecific involvement of bowel adjoining Crohn disease, *Radiology* 1986; 159: 47
 Herman CL See Bunge RE
 Herman GT: three-dimensional imaging on a CT or MR scanner, *JCAT* 1988; 12: 450
 Herman LA See Beltran J
 Herman LJ See Beltran J
 Herman LJ; Beltran J: pitfalls in MR imaging of the knee, *Radiology* 1988; 167: 775
 Herman MW; Mak HK; Lachman RS: radiation exposure reduction by use of Kevlar cassettes in the neonatal nursery, *AJR* 1987; 148: 969
 Herman PG See Khan A
 Herman PG See Todo G
 Herman S See Warde P
 Herman SD; Friedman AC; Radecki PD; et al: incidental prostatic carcinoma detected by MRI and diagnosed by MRI/CT-guided biopsy, *AJR* 1986; 146: 351
 Herman SD; Mesgarzadeh M; Bonakdarpour A; et al: role of magnetic resonance imaging in giant cell tumor of bone, *Skeletal Radiol* 1987; 16: 635
 Herman SD; Radecki PD; Friedman AC; et al: postnephrectomy pseudoaneurysm with arteriovenous fistula, *Urol Radiol* 1988; 9: 225
 Herman SJ See Chen J
 Herman SJ See Weisbrod GL
 Herman T See Hernandez-Schulman M
 Herman TE See Cleveland RH
 Herman TE See Kushner DC
 Herman TE; Cleveland RH; Kushner DC: pelvic kidney in cloacal ectrophy, *Pediatr Radiol* 1986; 16: 306
 Herman TS See Anderson RL
 Hermann DG See Hermann G
 Hermann G See Schultz E
 Hermann G See Som PM
 Hermann G; Gilbert MS: case report 471. Skeletal Radiol 1988; 17: 132
 Hermann G; Goldblatt J; Levy RN; et al: Gaucher's disease type 1: assessment of bone involvement by CT and scintigraphy, *AJR* 1986; 147: 943
 Hermann G; Janus C; Rabinowitz JG; Schwartz IS: nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis: reply, *Radiology* 1988; 167: 285
 Hermann G; Janus C; Schwartz IS; Krivisky B; Bier S; Rabinowitz JG: nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis, *Radiology* 1987; 165: 323
 Hermann G; Janus C; Schwartz IS; Papastetas A; Hermann DG; Rabinowitz JG: occult malignant breast lesions in 114 patients: relationship to age and the presence of microcalcifications, *Radiology* 1988; 169: 321
 Hermann G; Leviton M; Mendelson D; et al: osteosarcoma: relation between extent of marrow infiltration on CT and frequency of lung metastases, *AJR* 1987; 149: 1203
 Hermann G; Moss D; Norton KI; et al: case report 450, *Skeletal Radiol* 1987; 16: 657
 Hermann G; Steiner GC; Sherry HH: case report 465, *Skeletal Radiol* 1988; 17: 195
 Hermann G; Yeh H-C; Gilbert MS: computed tomography and ultrasonography of the hemophilic pseudotumor and their use in surgical planning, *Skeletal Radiol* 1986; 15: 123
 Hermans J See Bloem JL
 Hermans J See Schultze Kool LJ
 Hermans M-E See Kersschot EAJ
 Hermansen C; Poulsen HS; Jensen J; et al: diagnostic reliability of combined physical examination, mammography, and fine-needle puncture ("triple-test") in breast tumors: a prospective study, (ab), *Radiology* 1988; 167: 292
 Hernandez E See Shiels WE
 Hernandez JBG See Orense M
 Hernandez JG See Arias FG
 Hernandez RJ See Bank ER
 Hernandez RJ See Buckwalter KA
 Hernandez RJ: role of CT in the evaluation of children with foregut cyst, *Pediatr Radiol* 1987; 17: 265
 Hernandez RJ; Bank ER; Shaffer EM; et al: comparative evaluation of the pulmonary arteries in patients with right ventricular outflow tract obstructive lesions, *AJR* 1987; 148: 1189
 Hernandez RJ; Dias L: CT evaluation of the shoulder in children with Erb's palsy, *Pediatr Radiol* 1988; 18: 333
 Hernandez RJ; Sarnaik SA; Lande I; et al: MR evaluation of liver iron overload, *JCAT* 1988; 12: 91
 Hernandez RJ; Sedman AB; Smid DM; et al: radiographic manifestations of experimental aluminum toxicity in growing bone, *Skeletal Radiol* 1987; 16: 209
 Hernandez RJ; Tucker GF: congenital tracheal stenosis: role of CT and high kV films, *Pediatr Radiol* 1987; 17: 192
 Hernandez-Schulman M See Destian S
 Hernandez-Schulman M See Rumanick WM
 Hernandez-Schulman M See Taylor GA
 Hernandez-Schulman M See Teele RL
 Hernandez-Schulman M; Cohen W; Genieser NB: sonography of cerebral infarction in infancy, *AJNR* 1986; 9: 131
 Hernandez-Schulman M; Kirkpatrick J Jr; Schwachman H; Herman T; Schulman G; Vawter GF: pneumatosis intestinalis in cystic fibrosis, *Radiology* 1986; 160: 497
 Hernandez-Schulman M; Teele RL; Perez-Atayde A; Zollars L; Levine J; Black P; Kuligowska E: pancreatic cystosis in cystic fibrosis, *Radiology* 1986; 158: 629
 Hernandez-Schulman M; Welch K; Strand R; et al: acoustic neuromas in children, *AJNR* 1986; 7: 519
 Herndon RM See Simon JH
 Herning M See Praestholm J
 Herold C See Gritzmann N
 Herold C; Wittich GR; Schwarzwinger I; et al: skeletal involvement in hairy cell leukemia, *Skeletal Radiol* 1988; 17: 171
 Heron CW See Belli A-M
 Heron CW See Grant DS
 Heron CW See Hine AL
 Heron CW See Lees WR
 Heron CW See Williams MP
 Heron CW; Husband JE; Williams MP: Hodgkin disease: CT of the thymus, *Radiology* 1988; 167: 647
 Heron CW; Husband JE; Williams MP; et al: value of thoracic computed tomography in the detection of recurrent Hodgkin's disease, *Br J Radiol* 1988; 61: 567

- Heron CW; Pozniak AL; Hunter GJS; et al: case report: anomalous systemic venous drainage occurring in association with the hypogenetic lung syndrome, *Clin Radiol* 1988; 39: 446
- Heros D See Wolpert SM
- Herrera MA See Link KM
- Herrera A; Urbanitz D; Rossner A; et al: case report 402, *Skeletal Radiol* 1986; 15: 672
- Herrera MA See Link KM
- Herrera MA See van Schaik JFJ
- Herrera-Ornelas L; Justiniano J; Castillo N; et al: metastases in small lymph nodes from colon cancer, (ab), *Radiology* 1988; 167: 290
- Herrlin K; Pettersson H; Selvik G: comparison of two- and three-dimensional methods for assessment of orientation of the total hip prosthesis, *Acta Radiol* 1988; 29: 357
- Herrlin K; Strömberg T; Lidgren L; et al: trochanteric fractures: classification and mechanical stability in McLaughlin, Ender and Richard osteosynthesis, *Acta Radiol* 1988; 29: 189
- Herrmann A See Levin DN
- Herrmann C Jr See Batra P
- Herrmann JB See Norris CS
- Herrrod HG See Fitch SJ
- Herry JY See Bourguet P
- Herry J-Y See Bretagne J-F
- Herry J-Y See Raoul J-L
- Herschorn S See Graham RT
- Hersh JH See Jaworski M
- Hersh JH; Podruch PE; Rogers G; et al: toluene embryopathy, (ab), *Radiology* 1986; 158: 284
- Hershatter BW; Halperin EC; Cox EB: medulloblastoma: the Duke University Medical Center experience, *Int J Radiat Oncol Biol Phys* 1986; 12: 1771
- Hershey AL See Rosch J
- Hershey BL See Peyster RG
- Hershey BL; Peyster RG: imaging of cranial nerve II, *Semin US CT MR* 1987; 8: 164
- Hershfield NB See Klobier R
- Hershlag A See Ariel I
- Herskovic A; Bauer M; Seydel HG; et al: post-operative thoracic irradiation with or without levamisole in non-small cell lung cancer: results of a Radiation Therapy Oncology Group study, *Int J Radiat Oncol Biol Phys* 1988; 14: 37
- Herskovic A; Leichman L; Lattin P; et al: chemo/radiation with and without surgery in the thoracic esophagus: the Wayne State experience, *Int J Radiat Oncol Biol Phys* 1988; 15: 655
- Herskovitz PI See Avrahami E
- Herskowitz J; Rosman NP; Wheeler CB: colpocephaly: clinical, radiologic, and pathogenetic aspects, (ab), *Radiology* 1986; 161: 864
- Herstl W See Schultze Kool LJ
- Hertle L See Schulze K
- Hertz M See Garniak A
- Hertz M See Sirola L
- Hertzanu Y See Meizner I
- Hertzanu Y; Heimer D; Hirsch M: computed tomography of pulmonary endometriosis, *Comput Radiol* 1987; 11: 81
- Hertzanu Y; Hirsch M; Goldman L: case report: computed tomography of complications caused by manufacturing defects in synthetic grafts, *Cardiovasc Intervent Radiol* 1987; 10: 230
- Hertzanu Y; Hirsch M; Tovfi F: pseudoaneurysm of internal carotid artery secondary to tonsillectomy: combined radiologic and surgical treatment, *Cardiovasc Intervent Radiol* 1987; 10: 147
- Hertzanu Y; Solomon A: inversion of the right diaphragm: thoracoabdominal CT pitfall, *Gastrointest Radiol* 1986; 11: 200
- Hertzberg BS; Bowie JD; Burger PC; et al: three lines: origin of sonographic landmarks in the fetal head, *AJR* 1987; 149: 1009
- Hertzberg BS; Bowie JD; King LR; Webster GD: augmentation and replacement cystoplasty: sonographic findings, *Radiology* 1987; 165: 853
- Hertzberg BS; Kurtz AB; Choi HY; et al: significance of membrane thickness in the sonographic evaluation of twin gestations, *AJR* 1987; 148: 151
- Hertzberg BS; Kurtz AB; Wapner RJ; et al: gestational trophoblastic disease with coexistent normal fetus: evaluation by ultrasound-guided chorionic villus sampling, *J Ultrasound Med* 1986; 5: 467
- Hertzberg BS; Pado ME; Needleman L; et al: postasphyxial encephalopathy in term infants: sonographic demonstration of increased echogenicity of the thalamus and basal ganglia, *J Ultrasound Med* 1987; 6: 197
- Hertzberg V See Maxon HR
- Hertzberg VS See Brott TG
- Hertzler GL See Beasley EW III
- Herve P See van Waas PFGM
- Hery M See Bruneton JN
- Herzog H See Feinendegen LE
- Herzog H See Krawinkel W
- Hesdorffer CS; Bezudova WR; Danilewitz MD; et al: radioisotopic flow scanning for portal blood flow and portal hypertension, *Clin Nucl Med* 1987; 12: 610
- Hesla R See Vazquez R
- Hess CF See Majer MC
- Hess CF; Griebel J; Schmiedl U; et al: focal lesions of the spleen: preliminary results with fast MR imaging at 1.5 T, *JCAT* 1988; 12: 569
- Hess EV See Solinger AM
- Hess H; Mielaschek A; Bruckl R: peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, *Radiology* 1987; 163: 753
- Hess ML See Rose BS
- Hessel S See Abrams HL
- Hessel SJ See Levy JM
- Hesselink JR See Baker LL
- Hesselink JR See Brown JJ
- Hesselink JR See Courchesne E
- Hesselink JR See Gerard E
- Hesselink JR See Hajek PC
- Hesselink JR See Healy ME
- Hesselink JR See Press GA
- Hesselink JR See Weindling SM
- Hesselink JR: spine imaging: history, achievements, remaining frontiers, *AJR* 1988; 150: 1223
- Hesselink JR; Chang KH; Chung KJ; et al: flow analysis with digital subtraction angiography: 1. description of a simplified flow model, *AJNR* 1986; 7: 423
- Hesselink JR; Chang KH; Chung KJ; et al: flow analysis with digital subtraction angiography: 2. acquisition and accuracy of transit-flow measurements, *AJNR* 1986; 7: 427
- Hesselink JR; Dowd CF; Healy ME; et al: MR imaging of brain contusions: a comparative study with CT, *AJNR* 1988; 9: 269
- Hesselink JR; Healy ME; Press GA; et al: benefits of Gd-DTPA for MR imaging of intracranial abnormalities, *JCAT* 1988; 12: 266
- Hesselink JR; Press GA: MR contrast enhancement of intracranial lesions with Gd-DTPA, *Radiol Clin North Am* 1988; 26: 873
- Hesson W See Berbaum KS
- Hessov I See Enig R
- Hetelekidis S See Chun M
- Heuck A; Maubach PA; Reiser M; et al: age-related morphology of the normal pancreas on computed tomography, *Gastrointest Radiol* 1987; 12: 18
- Heuck A; Reiser M; Schmucker F; et al: selective digital subtraction arteriography in necrosis of the femoral head, *Skeletal Radiol* 1987; 16: 270
- Heuslitt MJ; Ablow RC; Santos CC; O'Shea TM; Hiller CL: febrile infants less than 3 months old: value of chest radiography, *Radiology* 1988; 167: 135
- Hewes RC See Murray RR Jr
- Hewes RC See Sauer DD
- Hewes RC; White RJ; Murray RR; et al: long-term results of superficial femoral artery angioplasty, *AJR* 1986; 146: 1025
- Hewitt JB See Smith FW
- Hewitt P See Dawson P
- Hewlett R See Lotz J
- Hey EN See Morrell P
- Heyder N See Worlicek H
- Heyman S See Alavi A
- Heyman S See Feldman N
- Heyman S See McCarthy KE
- Heyman S See Mandell GA
- Heyman S See Noel AW
- Heyn RM See Latak JT
- Heyns AdP See Lotter MG
- Heystraten FM; Rosenbusch G; Kingma LM; et al: chronic posttraumatic aneurysm of the thoracic aorta: surgically correctable occult threat, *AJR* 1986; 146: 303
- Heystraten FMJ See Barentsz JO
- Heywang SH See Bauer WM
- Heywang SH See Mayr B
- Heywang SH; Bassermann R; Fenzl G; et al: MRI of the breast—histopathologic correlation, *Eur J Radiol* 1987; 7: 175
- Heywang SH; Fenzl G; Hahn D; et al: MR imaging of the breast: comparison with mammography and ultrasound, *JCAT* 1986; 10: 615
- Heywang SH; Hahn D; Schmidt H; et al: MR imaging of the breast using gadolinium-DTPA, *JCAT* 1986; 10: 199
- Hezmal HP; Flechner SM; Sandler CM: controlled endoscopic retrieval of ectopic ureteral catheters using fluoroscopic guidance, (ab), *Radiology* 1986; 155: 569
- Hiatt IM See Anwar M
- Hibi S; Todo S; Imashuku S; et al: ¹³¹I-meta-iodobenzylguanidine scintigraphy in patients with neuroblastoma, *Pediatr Radiol* 1987; 17: 308
- Hibi S; Todo S; Imashuku S: thymic localization of gallium-67 in pediatric patients with lymphoid and nonlymphoid tumors, *J Nucl Med* 1987; 28: 293
- Hick P See Reneman RS
- Hicken P See Gibney RG
- Hickernell TS; Barber HB; Barrett HH; et al: dual-detector probe for surgical tumor staging, *J Nucl Med* 1988; 29: 1101
- Hickey AM See Dwyer AJ
- Hickey DS See Checkley DR
- Hickey DS See Jenkins JFR
- Hickey DS See Zhu XP
- Hickey DS; Checkley D; Aspdren RM; et al: method for the clinical measurement of relaxation times in magnetic resonance imaging, *Br J Radiol* 1986; 59: 565
- Hickey MSJ See Rankin JS
- Hickey NM See Fraser RG
- Hickey NM See Niklason LT
- Hickey NM; Niklason LT; Sabbagh E; et al: dual-energy digital radiographic quantification of calcium in simulated pulmonary nodules, *AJR* 1987; 148: 19
- Hicklingbotham NB See Maderazo EG
- Hicks BH See Ayres JG
- Hicks IF See Barter SG
- Hicks IF See Gibson RN
- Hicks IF; Carr DH: pain in the hand in the presence of mediastinal mass, *Br J Radiol* 1986; 59: 77
- Hicks ME See Becker GJ
- Hicks ME; Kreipke DL; Becker GJ; Edwards MK; Holden RW; Jackson VP; Bendick PJ; Kuehn DS: cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter, *Radiology* 1986; 161: 545
- Hicks P See Thomas ML
- Hicks SM See Mindelzun RE
- Hidvegi R See Menzies R
- Hieshima G See Tsai FY
- Hieshima GB See Goto K
- Hieshima GB See Halbach VV
- Hieshima GB See Higashida RT
- Hieshima GB; Higashida RT; Halbach VV; et al: intravascular balloon embolization of a carotid-ophthalmic artery aneurysm with preservation of the parent vessel, *AJNR* 1986; 7: 916
- Hieshima GB; Reicher MA; Higashida RT; et al: intraoperative digital subtraction neuroangiography: a diagnostic and therapeutic tool, *AJNR* 1987; 8: 759
- Hiesiger E; Fowler JS; Wolf AP; et al: serial PET studies of human cerebral malignancy with [¹¹C]putrescine and [¹¹C]-deoxy-D-glucose, *J Nucl Med* 1987; 28: 1251
- Hietala S-O See Billström A
- Hietala S-O See Ekelund L
- Hietala S-O See Lotz H
- Hietala S-O; Ekelund L; Ljungberg B: venous invasion in renal cell carcinoma: a correlative clinical and radiologic study, *Urol Radiol* 1988; 9: 210
- Hietanen P: chest radiography in the follow-up of breast cancer, *Acta Oncol* 1986; 25: 15
- Higa T See Ikekubo K
- Higa T; Tanaka T; Ikekubo K; et al: SPECT with N-isopropyl-p-iodoamphetamine in occlusive cerebrovascular diseases, *Clin Nucl Med* 1986; 11: 853
- Higano CS See Abdel-Nabi HH
- Higano CS See Russell KJ
- Higano S See Tomura N
- Higashi K; Ohguchi M; Okimura T; et al: demonstration of a retrocervical fistula on a technetium-99m MDP bone imaging, *Clin Nucl Med* 1988; 13: 625
- Higashi M; Tanaka K; Kitada T; et al: antisialiasis confirmed by radiography of the large intestine, *Gastrointest Radiol* 1988; 13: 85
- Higashi T; Mori Y; Ikuta H; et al: salivary gland uptake of gallium-67 citrate after sialography, *Clin Nucl Med* 1988; 13: 110
- Higashi T; Murashiki H; Ikuta H; et al: identification of Warthin's tumor with technetium-99m pertechnetate, *Clin Nucl Med* 1987; 12: 796
- Higashi Y See Sata T
- Higashida RT See Goto K
- Higashida RT See Halbach VV
- Higashida RT See Hieshima GB
- Higashida RT See Tsuruda JS
- Higashida RT See Yang PJ
- Higashida RT; Halbach VV; Mehringer CM; et al: giant cavernous aneurysm associated with trigeminal artery: treatment by detachable balloon, *AJNR* 1987; 8: 757
- Higashida RT; Hieshima GB; Tsai FY; et al: transluminal angioplasty of the vertebral and basilar artery, *AJNR* 1987; 8: 745
- Higashida Y; Hirata Y; Saito R; Doudanuki S; Bussaka H; Takahashi M: depth determination on stereoscopic digital subtraction angiograms, *Radiology* 1988; 168: 560
- Higashida Y; Moribe N; Hirata Y; et al: computed radiography utilizing laser-stimulated luminescence: detectability of simulated low-contrast radiographic objects, *Comput Med Imag Graph* 1988; 12: 137

- Higashihara T See Akira M
Higashihara T See Ikezoe J
Higashino SM See von Schulthess GK
Higazi I See Abdel-Dayem HM
Higer HP See Just M
Higer HP; Gutjahr P; Schmidberger P; et al: NMR follow-up studies of CNS-tumors in infancy and childhood, *Eur J Radiol* 1987; 7: 49
Higginbotham-Ford EA See Gumbs RV
Higgins BA See Alcock MK
Higgins CB See Auffermann W
Higgins CB See Didder L
Higgins CB See Diethelm L
Higgins CB See Dooms GC
Higgins CB See Ekanan RL
Higgins CB See Fisher MR
Higgins CB See Hricak H
Higgins CB See Kersting-Sommerhoff BA
Higgins CB See McNamara MT
Higgins CB See Peck WW
Higgins CB See Pflugfelder PW
Higgins CB See Richards T
Higgins CB See Schmidt HC
Higgins CB See Sechtem U
Higgins CB See Tscholakoff D
Higgins CB See von Schulthess GK
Higgins CB See Wesbey GE
Higgins CB See White RD
Higgins CB See Winkler ML
Higgins CB: MR of the heart: anatomy, physiology, and metabolism, *AJR* 1988; 151: 239
Higgins CB: overview of MR of the heart—1986, *AJR* 1986; 146: 907
Higgins CB; Holt W; Pflugfelder P; et al: functional evaluation of the heart with magnetic resonance imaging, *Magn Res Med* 1988; 6: 121
Higgins CB; McNamara MT; Fisher MR; et al: MR imaging of the thyroid, *AJR* 1986; 147: 1255
Higgins PD See Mota HC
Higgins RJ See Ross BD
Higgins RJ See Turowski KA
Higgins S See Christensen KA
Higgins SS See von Schulthess GK
Higgins WJ See Zagoria RJ
Higgins WL See Epstein DH
Higgins WL See Williams VL
Higgins WL; Blaha JD; Mace AH: radionuclide bone imaging findings in loose cemented joint prostheses appear to be normal postoperative findings in cementless joint prostheses: preliminary case report, *Clin Nucl Med* 1988; 13: 82
Higgins WL; Marano GD: gallium imaging of rheumatoid pachymeningitis, *Clin Nucl Med* 1986; 11: 350
Higgs J See Li KC
Hightower CW See Rubin SA
Hightower DR See Gooding GAW
Hightower DR See Wing VW
Higon GR: seeing things more clearly, *Br J Radiol* 1987; 60: 1049
Higuchi N See Ishibashi H
Higuchi T See Naruse S
Hihara T See Araki T
Hilal SD See Moser FG
Hilal SK See Dee GJ
Hilal SK See Ganti SR
Hilal SK See Lee SW
Hilal SK See Moser FG
Hilal SK See Rabin JB
Hilal SK See Rutledge JN
Hilal SK See Silver AJ
Hilaris BS See Assad WA
Hilaris BS See Heelan RT
Hilaris BS See Nori D
Hilberman M See Cerdan S
Hildebrandt-Stark HE See Stark P
Hildell J: balloon dilatation of stricture of the ileal loop after ileal conduit diversion, *AJR* 1987; 149: 993
Hildenbrand P See Harms SE
Hilditch TE See Gillen GJ
Hilditch TE; Connell JMC; Elliott AT; et al: poor results with technetium-99m (V) DMS and iodine-131 MIBG in the imaging of medullary thyroid carcinoma, *J Nucl Med* 1986; 27: 1150
Hilfer C See Kirpekar M
Hilfer CL See Heullitt M
Hilgenberg AD See Kaszar-Seibert DJ
Hilger DJ; Versteeg KR; Beatty PJ: Mirizzi syndrome with common septum: ultrasound and computed tomography findings, *J Ultrasound Med* 1988; 7: 409
Hilgers J See Haisma HJ
Hill A See Floodmark O
Hill D See Ritchie DA
Hill EP See Robinson AE
Hill J See Conard F
Hill JA See Akins EW
Hill LM See Ragozzino MW
Hill LM; Breckle R: vernix in amniotic fluid: sonographic detection, *Radiology* 1986; 158: 80
Hill LM; Breckle R; Wolfgram KR; et al: evaluation of three methods for estimating fetal weight, *JCU* 1986; 14: 171
Hill LM; Kislak S: extensive intrauterine hematoma mimicking a nonviable early pregnancy, *J Ultrasound Med* 1986; 5: 515
Hill LM; Kislak S; Jones N: prenatal ultrasound diagnosis of a forearm constriction band, *J Ultrasound Med* 1988; 7: 293
Hill LM; Peterson CS: antenatal diagnosis of fetal pelvic kidneys, *J Ultrasound Med* 1987; 6: 393
Hill LM; Thomas ML; Peterson CS: ultrasonic detection of Apert syndrome, *J Ultrasound Med* 1987; 6: 601
Hill LR See Pezner RD
Hill LR See Yellin A
Hill MC See Brick SH
Hill MC See Cohen LM
Hill MC See Fraser KW
Hill MC See Lande IM
Hill MC See Mitchell DG
Hill MC See Reynolds T
Hill MC See Shawker TH
Hill MC See Sivitt CJ
Hill MC; Lande IM; Larsen JW Jr: prenatal diagnosis of fetal anomalies using ultrasound and MRI, *Radiol Clin North Am* 1988; 26: 287
Hill MJ See Caygill CPJ
Hill RB See Johnson JF
Hill RM See Deter RL
Hill RF See Wong JT-F
Hill RF: sensitizers and radiation dose fractionation: results and interpretations, *Int J Radiat Oncol Biol Phys* 1986; 12: 1049
Hill RW; Welsh CW: suppression of growth of 7,12-dimethylbenzanthracene-induced mammary carcinomas in female rats by repeated whole-body hyperthermia (41–42°C), *Int J Radiat Oncol Biol Phys* 1988; 14: 337
Hill S See Becker GD
Hill S See Shawker TH
Hill SC See Fang MA
Hill SC See Mitchell DG
Hill SC See Reinig JW
Hill SC; Reinig JW; Barranger JA; Fink J; Shawker TH: Gaucher disease: sonographic appearance of the spleen, *Radiology* 1986; 160: 631
Hill SC; Stein SA; Dwyer A; et al: cranial CT findings in sclerostosis, *AJNR* 1986; 7: 505
Hill SJ See Rowley KA
Hill TC See Grassi CJ
Hill TC See van Royen EA
Hillen B See Zonneveld FW
Hillerdal G: chyliform (cholesterol) pleural effusion, (ab), *Radiology* 1986; 158: 857
Hillman AL; Schwartz JS: diffusion of MRI: patterns of siting and ownership in an era of changing incentives, *AJR* 1986; 146: 963
Hillman BJ See Clinger NJ
Hillman BJ See Curtis PB
Hillman BJ See Fajardo LL
Hillman BJ See Johnson J
Hillman BJ See Yoshino MT
Hillman BJ: renal hypertension, *Urol Radiol* 1988; 10: 31
Hillman BJ: value of imaging technology to patients' health, *AJR* 1988; 150: 1191
Hillman BJ; Fajardo LL; Hunter TB; et al: mammogram interpretation by physician assistants, *AJR* 1987; 149: 907
Hillman LS; Hoff N; Salmons S; et al: mineral homeostasis in very premature infants: serial evaluation of serum 25-hydroxyvitamin D, serum minerals, and bone mineralization, (ab), *Radiology* 1986; 158: 283
Hillman TH; Feyster RG; Hoover ED; et al: infratellar craniopharyngioma: CT and MR studies, *JCAT* 1988; 12: 702
Hillmann JS; Mesgarzadeh M; Reves G; Bonakdarpour A; Clancy M; Betz RR: proximal femoral focal deficiency: radiologic analysis of 49 cases, *Radiology* 1987; 165: 769
Hillmann JS; Mesgarzadeh M; Tang C-K; et al: case report 481, *Skeletal Radiol* 1988; 17: 356
Hillyard RW Jr; El-Mahdi AM; Schellhammer PF: intestinal strictures complicating preoperative radiation therapy followed by radical cystectomy, (ab), *Radiology* 1987; 162: 292
Hill-Zobel RL; Gannon S; McCandless B; et al: effects of chelates and incubation media on platelet labeling with indium-111, *J Nucl Med* 1987; 28: 223
Hilpert PL See Caroline DF
Hilpert PL; Friedman AC; Radecki PD; et al: MRI of hemorrhagic renal cysts in polycystic kidney disease, *AJR* 1986; 146: 1167
Hilpert PL; Radecki PD; Edmonds P; et al: case report 392, *Skeletal Radiol* 1986; 15: 570
Hilpert S See Zieger MM
Hilton E; Haslett TM; Borenstein MT; et al: central catheter infections: single- versus triple-lumen catheters: influence of guide wires on infection rates when used for replacement of catheters, (ab), *Radiology* 1988; 169: 292
Hilton J See Goldman SM
Hilton S See Raghavendra BN
Hilton S See Thomas CS
Hilton SvW See Edwards DK III
Hilton SvW See vanSonnenberg E
Hilton SvW; Leopold GR; Olson LK; et al: real-time breast sonography: application in 300 consecutive patients, *AJR* 1986; 147: 479
Hilton-Jones D See Oberhaensli RD
Hilweg D See Beggemann M
Himmelfarb EH See Eisenberg D
Hinck VC: single catheter for aortic arch and selective cerebral angiography, *AJNR* 1986; 7: 159
Hind AJ See Dickinson RJ
Hindel R: review of optical storage technology for archiving digital medical images, *Radiology* 1986; 161: 257
Hindie E; Colas-Linhart N; Petiet A; et al: microautoradiographic study of technetium-99m colloid uptake by the rat liver, *J Nucl Med* 1988; 29: 1118
Hindman BW; Ross SDK; Sowerby MRR: fractures of the talus and calcaneus: evaluation by computed tomography, *CT* 1986; 10: 191
Hindman BW; Schreiber RR; Wiss DA; Ghilarducci MJ; Avolio RE: supracondylar fractures of the humerus: prediction of the cubitus varus deformity with CT, *Radiology* 1988; 168: 513
Hindmarsh T: tumours of the brain, *Radiology* 1986; 161: 760
Hindo W See Sarpel G
Hine AL See Hall-Craggs MA
Hine AL See Wilson SR
Hine AL; Chui MS: hypodense colloid cyst of the third ventricle, *J Canad Assoc Radiol* 1987; 38: 288
Hine AL; Heron CW; Thakker RV; et al: role of routine intravenous urography in patients with primary hyperparathyroidism, *Clin Radiol* 1987; 38: 411
Hines HH See Glass EC
Hingten WL See Biller J
Hingten WL See Foderaro AE
Hingten WL See Smoker WRK
Hinks RS See Quencer RM
Hinks RS; Quencer RM: motion artifacts in brain and spine MR, *Radiol Clin North Am* 1988; 26: 737
Hino M See Aoki J
Hinshaw DB Jr See Christiansen EL
Hinshaw DB Jr See Lewis LK
Hinshaw DB Jr See Thompson JR
Hinshaw DB Jr; Fahmy JL; Peckham N; et al: bright choroid plexus on MR: CT and pathologic correlation, *AJNR* 1988; 9: 483
Hinshaw DB Jr; Holshouser BA; Engstrom HIM; Tjan AHL; Christiansen EL; Catelli WF: dental material artifacts on MR images, *Radiology* 1988; 166: 777
Hinshaw DB Jr; Holshouser B; Hasso AN; et al: magnetic resonance imaging of the normal carotid bifurcation, *Neuroradiol* 1987; 29: 7
Hinson WH See Jackels SC
Hinson WH See Saloner D
Hinton A; Bea C; Winfield AC; et al: carcinoma of the fallopian tube, *Urol Radiol* 1988; 10: 113
Hinton AA See Habibian MR
Hinton AA; Sandler MP; Shaff MI: pseudo defect of the spleen in an adolescent with fever of unknown origin, *Clin Nucl Med* 1987; 12: 471
Hinton CB See Dachman AH
Hira N See Steger AC
Hirabayashi Y See Kobayashi T
Hirabayashi Y; Fujimaki E; Hishida T; et al: regional lung perfusion and ventilation with radioisotopes in cervical cord-injured patients, *Clin Nucl Med* 1986; 11: 352
Hirakawa K See Naruse S
Hiramatsu K See Yamato M
Hirano T See Isawa T
Hirano T See Sakuma H
Hiraoka M See Akuta K
Hiraoka M See Nishimura Y
Hiraoka M; Akuta K; Nishimura Y; Nagata Y; Jo S; Takahashi M; Abe M: tumor response to the radiotherapy: use of CT in evaluation, *Radiology* 1987; 164: 259
Hiraoka T See Fujisawa I
Hiraoka T See Miller RC
Hiraoka T See Nakano Y
Hirasa M See Ikekubo K
Hirasa M See Kudo M
Hirata Y See Higashida Y
Hirayama C See Horie Y
Hiriji MK See Johnson MA
Hiriji MK; Johnson MA; Hennig RC: cardiac levorotation: cause of false-positive epicardial fat pad sign, *Radiology* 1986; 161: 659
Hirko RJ See Hunter PT
Hirohashi S See Muramatsu Y

- Hirohashi S See Takayasu K
 Hirohata T See Yamanaka C
 Hirose Y See Kosuda S
 Hirose J See Matsui O
 Hirose K; Koyanagi T; Hara K; et al: antenatal ultrasound diagnosis of the femur-fibula-ulna syndrome. *JCU* 1988; 16: 199
 Hirota K See Nishikimi T
 Hirsch A See Puyau FA
 Hirsch A See Richardson S
 Hirsch J See Merz T
 Hirsch J See Nyberg DA
 Hirsch JH See Mahony BS
 Hirsch JI See Rehr RB
 Hirsch M See Bergner VM
 Hirsch M See Hertzianu Y
 Hirsch M; Lifshitz T: computerized tomography in the diagnosis and treatment of orbital cellulitis. *Pediatr Radiol* 1988; 18: 302
 Hirsch MA See Raghavendra BN
 Hirsch MS See Gabuzda DH
 Hirsch WL See Jungreis CA
 Hirsch WL See Rothfus WE
 Hirsch WL Jr; Hryshko FG; Sekhar LN; et al: comparison of MR imaging, CT, and angiography in the evaluation of the enlarged cavernous sinus. *AJNR* 1988; 9: 907
 Hirsh J See Hull RD
 Hirsh MP See Benson B
 Hirsh MP; Levy HM: varied ultrasonographic appearance of laminae. *J Ultrasound Med* 1988; 7: 45
 Hirsig J See Schwobel M
 Hirst A See Doughty D
 Hirst DG See Horsman MR
 Hirst DG: anemia: problem or an opportunity in radiotherapy? *Int J Radiat Oncol Biol Phys* 1986; 12: 2009
 Hirst DG: oxygen delivery to tumors. *Int J Radiat Oncol Biol Phys* 1986; 12: 1271
 Hirst VK See Horsman MR
 Hirth W See Deutsch E
 Hisada K See Aburano T
 Hisada K See Nakajima K
 Hisanaga M See Nakase H
 Hishida T See Hiraizumi Y
 Hishikawa Y; Kamikonya N; Tanaka S; Miura T: esophageal stricture following high-dose-rate intracavitary irradiation for esophageal cancer. *Radiology* 1986; 159: 715
 Hishikawa Y; Tanaka S; Miura T: esophageal fistula associated with intracavitary irradiation for esophageal carcinoma. *Radiology* 1986; 159: 549
 Hitch DC See Panicek DM
 Hitchon PJ See Federaro AE
 Hix WR See Mahfood S
 Hjalmas K See Hellstrom M
 Hjelm-Hansen M See Overgaard J
 Hjerdahl-Monsen CE See Ambrose JA
 Hjermstad BH See Ros FR
 Hjermstad BM See Bowen B
 Hjermstad BM See Johnson AR
 Hjermstad BM See Olmsted WW
 Hjermstad BM; Sobin LH; Helwig EB: stromal tumors of the gastrointestinal tract: myogenic or neurogenic? (ab). *Radiology* 1987; 165: 295
 Hlatky MA See Papanicolaou MN
 Hnatowich DJ See Chinol M
 Hnatowich DJ; Chinol M; Siebeker DA; et al: patient biodistribution of intraperitoneally administered yttrium-90-labeled antibody. *J Nucl Med* 1988; 29: 1428
 Hnatowich DJ; Virzi F; Ruscowski M: investigations of avidin and biotin for imaging applications. *J Nucl Med* 1987; 28: 1294
 Ho A; White SJ; Rasmussen JE: skeletal abnormalities of acrogeria, a progeroid syndrome. *Skeletal Radiol* 1987; 16: 463
 Ho A; Williams DM; Zelenock GB; Braunstein EM: unilateral hypertrophic osteoarthropathy in a patient with an infected axillary-axillary bypass graft. *Radiology* 1987; 162: 573
 Ho AG See Megibow AJ
 Ho AMW; Blane CE; Kling TF Jr: role of arthrography in the management of dysplasia epiphysealis hemimelica. *Skeletal Radiol* 1986; 15: 224
 Ho C-S See Cobourn C
 Ho C-S See Gray RR
 Ho C-S See Matzinger FRK
 Ho C-S See Nitsch B
 Ho C-S See Rawas MM
 Ho C-S See Rose DB
 Ho C-S See Yee ACN
 Ho C-S: abdominal imaging: introduction. *Radiology* 1987; 163: 306
 Ho C-S: clinical imaging of the colon and rectum. *Radiology* 1987; 163: 44
 Ho C-S: color atlas of gastrointestinal endoscopy. *Radiology* 1988; 168: 120
 Ho C-S; Yee AC; McLoughlin MJ: biliary lithotripsy with a mechanical lithotripter. *Radiology* 1987; 165: 791
 Ho EKW See Chan FL
 Ho JHC See Lam KSL
 Ho JHC See Teo P
 Ho K-C See Haughton VM
 Ho K-C See Ho PSP
 Ho K-C See Lin P-S
 Ho K-C See Yu S
 Ho K-J See Shin MS
 Ho M See Casola G
 Ho M See vanSonnenberg E
 Ho M-Y See Huang C-C
 Ho PSP See Czervionke LF
 Ho PSP See Yu S
 Ho PSP; Lee C-C; Wang J-Y; et al: measurement of basilar artery diameter in dogs: CT evaluation correlated with arteriography. *Neuroradiol* 1988; 30: 239
 Ho PSP; Yu S; Sether LA; et al: MR and cryomicrotomy of C1 and C2 roots. *AJNR* 1988; 9: 829
 Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM: ligamentum flavum: appearance on sagittal and coronal MR images. *Radiology* 1988; 168: 469
 Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM: progressive and regressive changes in the nucleus pulposus: part I. the neonate. *Radiology* 1988; 169: 87
 Ho T See Bosworth JL
 Hoadley SD; Harthorne MF: noninvasive diagnosis of pseudoaneurysm of the ascending aorta. *JCU* 1987; 15: 325
 Hoadley SD; Wallace RL; Miller JF; et al: prenatal diagnosis of multiple cardiac tumors presenting as an arrhythmia. *JCU* 1986; 14: 639
 Hoang T-A See Nguyen TH
 Hoang T-A; Nguyen TH; Daffner RH; et al: case report 491. *Skeletal Radiol* 1988; 17: 364
 Hobbins JC See Goldstein I
 Hobbs BB See Cunningham IA
 Hobbs JR See Storer F
 Hobbs RE See Detranro R
 Hobson RW II See Lynch TG
 Hochhauser L See Doris I
 Hochhauser L; Alton DJ: prolapse of an ectopic ureteroceles into both urethra and ipsilateral orthotopic ureter. *Pediatr Radiol* 1986; 16: 167
 Hochhauser L; Kieffer SA; Cacayorin ED; et al: recurrent postdiastectomy low back pain: MR-surgical correlation. *AJNR* 1988; 9: 769
 Hochholzer L See Cohen AJ
 Hock A; Spohr G; Schmitz M; et al: 17-iodine-123 iodoheptadecanoic acid for metabolic liver studies in humans. *J Nucl Med* 1986; 27: 1533
 Hockey A See Kozlowski K
 Hodak JA See Bird CR
 Hodak JA; Tilden SJ; Johnsen SD; et al: local cerebral blood flow as assessed by xenon stable computed tomography in child drowning. *Pediatr Radiol* 1988; 18: 344
 Hoddes E See Hegstrom T
 Hoddick WI See Onik G
 Hoddick WK; Filley RA; Backman U; Callen PW; Vincenti F; Hricak H; Mahony BS; Amend W: renal allograft rejection: US evaluation. *Radiology* 1986; 161: 469
 Hodes J See Olsen WL
 Hodges FJ III See Karnaze MG
 Hodges JW See Greene ER
 Hodgman CG; Lantz EJ; Maus TP; et al: computed tomography of intussusception due to colon lipoma. *JCAT* 1987; 11: 740
 Hodgson NB See Wells RG
 Hodler J See Vock P
 Hodler J; Fretz CJ; Terrier F; Gerber C: rotator cuff tears: correlation of sonographic and surgical findings. *Radiology* 1988; 169: 791
 Hodson E See Bye AME
 Hodson I See Coy P
 Hoe J See Fearon T
 Hoe JWM; Ng AMN; Tan LKA: comparison of iothexol and iopamidol for lumbar myelography. *Clin Radiol* 1986; 37: 505
 Hoefeler H See Fossel ET
 Hoefel J-C; Bernard C: pulmonary sequestration of the upper lobe in children. *Radiology* 1986; 160: 513
 Hoefel JC; Brasse F; Schmitt M; et al: about one case of vertebral chondroblastoma. *Pediatr Radiol* 1987; 17: 392
 Hoefel JC; Capron F; Jung JF; et al: dysplasia epiphysealis hemimelica of the ulna. *Br J Radiol* 1987; 60: 288
 Hoefel JC; Didier F; Chanterneau D; et al: metaphyseal dyschondroplasia with cone-shaped epiphyses. *Br J Radiol* 1987; 60: 707
 Hoefnagel CA; Delprat CC; Marcuse HR; et al: role of thallium-201 total-body scintigraphy in follow-up of thyroid carcinoma. *J Nucl Med* 1986; 27: 1854
 Hoefnagel CA; Delprat CC; Zanin D; et al: new radionuclide tracers for the diagnosis and therapy of medullary thyroid carcinoma. *Clin Nucl Med* 1988; 13: 159
 Hoefnagel CA; Den Hartog Jager FCA; Van Gennip AH; et al: diagnosis and treatment of a carcinoid tumor using iodine-131 meta-iodobenzylguanidine. *Clin Nucl Med* 1986; 11: 150
 Hoefnagel CA; Vout PA; de Kraker J: radionuclide diagnosis and therapy of neural crest tumors using iodine-131 meta-iodobenzylguanidine. *J Nucl Med* 1987; 28: 308
 Hoefs J See Aufrichtig D
 Hoefs J See Duerinckx A
 Hoefs JC See Runyon BA
 Hoehn-Berlage MH See Kovalikova Z
 Hoehn K-H See Witte G
 Hoehn KH; Delapaz RL; Bernstein R; et al: combined surface display and reformatting for the three-dimensional analysis of tomographic data. *Invest Radiol* 1987; 22: 658
 Hoekenga DE See Brainerd JR
 Hoekstra A See Van Roermond FM
 Hoekstra F See Paylaert JBCM
 Hoekstra HJ See Sindelar WF
 Hoekstra O See Raymakers JA
 Hoellerich VL; Wigton RS: diagnosing pulmonary embolism using clinical findings. (ab). *Radiology* 1987; 162: 587
 Hoenninger JC See Crooks LE
 Hoenninger JC See Feinberg DA
 Hoervels J See Jaschke W
 Hoervels J; Rauts-Kreinsen U; Reiter J; et al: vascular neoplasm of the esophagus with life-threatening hemorrhage: report of a case. *Acta Radiol* 1986; 27: 29
 Hofer R See Weissel M
 Hoff FL; Aisen AM; Walden ME; et al: MR imaging in hydatid disease of the liver. *Gastrointest Radiol* 1987; 12: 39
 Hoff N See Hillman LS
 Hoffer FA See Choyke PL
 Hoffer FA See Jones BE
 Hoffer FA; Kozakewich H; Colodny A; Goldstein DP: peritoneal inclusion cysts: ovarian fluid in peritoneal adhesions. *Radiology* 1988; 169: 189
 Hoffer FA; Shamberger RC; Teale RL: ilio-psoas abscess: diagnosis and management. *Pediatr Radiol* 1987; 17: 23
 Hoffer FA; Teale RL; Lillehei CW; Vacanti JP: infected bilomas and hepatic artery thrombosis in infant recipients of liver transplants: interventional radiology and medical therapy as an alternative to retransplantation. *Radiology* 1988; 169: 435
 Hoffer FA; Winter HS; Fellows KE; et al: treatment of post-operative and peptic esophageal strictures after esophageal atresia repair: a program including dilatation with balloon catheters. *Pediatr Radiol* 1987; 17: 454
 Hoffer FA; Wylly JB; Fellows KE; et al: maintenance of vascular access patency in pediatrics. *Pediatr Radiol* 1986; 16: 456
 Hoffer FB See Chan SM
 Hoffer FB See Lewin JS
 Hofflin JM; Pottasman I; Baldwin JC; et al: infectious complications in heart transplant recipients receiving cyclosporin and corticosteroids. (ab). *Radiology* 1987; 164: 885
 Hoffman AD See Whaley DH
 Hoffman AR See Seidenwurm D
 Hoffman EA See Liu Y-H
 Hoffman EJ See Casey ME
 Hoffman EJ See Weinberg IN
 Hoffman G See Hanlon JT
 Hoffman JC Jr See Davis PC
 Hoffman JC Jr See Malko JA
 Hoffman JC Jr See Mandelblatt SM
 Hoffman JC Jr See Witrak BJ
 Hoffman JG See Wang Y
 Hoffman JM See Rasey JS
 Hoffman KR See Fencil LE
 Hoffman N See Mayo JR
 Hoffman SM; Baker TW; El Gammal T; et al: hematogenous spinal leptomeningeal metastasis: unique CT enhancement pattern. *Pediatr Radiol* 1987; 17: 147
 Hoffman WH; Steinhart CM; El Gammal T; et al: cranial CT in children and adolescents with diabetic ketoacidosis. *AJNR* 1988; 9: 733
 Hoffmann B; Becker H; Wenzel-Hora M: influence of the spread and period of retention of Iotrolan in the subarachnoid space on the side effects rate in myelography. *Neuroradiol* 1987; 29: 380
 Hoffmann J See Mathias KD
 Hoffmann RG See Goodman LR
 Hoffman-Tretin J; Koenigsberg M; Ziprkowski M: antenatal demonstration of axillary cystic hygroma. *J Ultrasound Med* 1988; 7: 233
 Hoffman-Tretin JC See Morehouse HT
 Hoffman-Tretin JC; Horoupian DS; Koenigsberg M; et al: lobar holoprosencephaly with hydrocephalus: antenatal demonstration and differential diagnosis. *J Ultrasound Med* 1986; 5: 691

Hoffstein

- Hoffstein V See Rubinstein I
Hoffstein V; Ranganathan N; Mullen JBM: sarcoidosis simulating pulmonary venoocclusive disease, (ab), *Radiology* 1987; 163: 292
- Hoffstetter S See Langlois D
Hofmann AF See Brandon JC
Hofmann AF See vanSonnenberg E
Hofmann AF: bile, bile acids, and gallstones: will new knowledge bring new power?, *AJR* 1988; 151: 5
- Hofmann R; Hartung R; Geisendorfer K; et al: laser induced shock wave lithotripsy: biologic effects of nanosecond pulses, (ab), *Radiology* 1988; 169: 587
- Hofstetter M See Chun CH
Hofstetter R See Muhler E
Hogan PG See Hall LD
Hogan WJ See Darweesh RMA
Hogg JC See Müller NL
Hogg WA; Thigarajah S; Barber VG; et al: cystic sacrococcygeal teratoma: ultrasound diagnosis and perinatal management, *J Ultrasound Med* 1987; 6: 707
- Hogg-Johnson SA See Johnston KW
Hogstrom KR See Shlu AS
Hogue CJR See Atrash HK
Hohn-Berlage M See Barthwal R
Höhne KH See Riediger G
Hoikka V; Paavilainen T; Lindholm TS; et al: measurement and restoration of equality in length of the lower limbs in total hip replacement, *Skeletal Radiol* 1987; 16: 442
- Holmström PA See Bakke A
Hojo H See Awazu M
Holbert BL; Holbert JM; Libshitz HI: CT of interpectoral lymph nodes, *AJR* 1987; 149: 687
- Holbert BL; Lamki LM; Holbert JM: uptake of bone scanning agent in neurofibromatosis, *Clin Nucl Med* 1987; 12: 66
- Holbert BL; Libshitz HI: superior vena caval syndrome in primary mediastinal germ cell tumors, *J Canad Assoc Radiol* 1986; 37: 182
- Holbert JM See Holbert BL
Holbert JM See Shirkhoda A
Holbert JM; Chasen MH; Lipshitz HI; Mountain CF: postlobectomy chest: anatomic considerations, *Radiographics* 1987; 7: 889
- Holburn GE See Kaufman AJ
Holcberg JS See Moulder JE
Holcberg JS; Moulder JE; Karmen BA; et al: chronic effects of fractionated renal irradiation on the pharmacokinetics of intravenous methotrexate, *Int J Radiat Oncol Biol Phys* 1987; 13: 759
- Holcomb W See Rapoport S
Holcomb WG See Gore JC
Holden RE See Klatte EC
Holden RW See Becker GJ
Holden RW See Hicks ME
Holden RW See Jackson VP
Holden SA See Teicher BA
Holder JC See Reiffsteck JE
Holder LE See Chen DCP
Holder LE See Wilkins SA Jr
Holdstock GE See Goodfellow T
Hole D See MacNaught R
Holeman G See Haynes R
Holen J See Gramiak R
Holen J; Waag RC; Gramiak R: Doppler ultrasound in aortic stenosis: in vitro studies of pressure gradient determination, *Ultrasound Med Biol* 1987; 13: 321
- Holgate RC See Macpherson RI
Holgate RC See Taylor R
Holida MD See Wilson RF
Hollinger LD; Toriumi DM; Anandappa EC: subglottic cysts and asymmetrical subglottic narrowing on neck radiograph, *Pediatr Radiol* 1988; 18: 306
- Holl J See Sauerbruch T
Hollabaugh RS See Tonkin ILD
Holland BA: brain imaging and brain function, *Radiology* 1986; 158: 430
- Holland BA; Haas DK; Norman D; et al: MRI of normal brain maturation, *AJNR* 1986; 7: 201
- Holland BA; Perrett LV; Mills CM: meningovascular syphilis: CT and MR findings, *Radiology* 1986; 158: 439
- Holland EA See Fernbach SK
Holland EA See Sider I
Holland GA See Allman T
Holland GA See Gomori JM
Holland GA See Grossman RI
Holland GA See Lenkinski RE
Holland GA See Sarkar SK
Holland IM See Japan T
Holland IM See Mawhinney RR
Hollenberg NK See Orlandi C
Hollenberg NK See Faskins-Hurlburt AJ
Hollenberg R See Leadman M
Hollerman JJ; Bernstein MA; Froelich JW; et al: detection of hemangiomas using whole-body imaging with technetium-99m labeled RBCs, *Clin Nucl Med* 1986; 11: 716
- Hollett MD; Cofer GF; Johnson GA: in situ magnetic resonance microscopy, *Invest Radiol* 1987; 22: 965
- Holley HC See Anderson SD
Holley HC See Lund EC
Holley HC See Van Dyke JA
Holliday RA; Cohen WA; Schinella RA; Rothstein SG; Persky MS; Jacobs JM; Som PM: benign lymphoepithelial parotid cysts and hyperplastic cervical adenopathy in AIDS-risk patients: a new CT appearance, *Radiology* 1988; 168: 439
- Holliday SB See Deacon JM
Hollier LA See Plate G
Hollingdale J See Berman L
Hollingworth P See Hamilton-Wood C
Hollman J See Leimgruber PP
Hollman JP See Gunther RW
Holloway H; Johnson J; Sandler M: detection of an ileal cavernous hemangioma by technetium-99m red blood cell imaging, *Clin Nucl Med* 1988; 13: 32
- Holloway M See Savage JKK
Hollwarth M See Fötter R
Holm HH See Karstrup S
Holm J; Jacobsen B: accuracy of dynamic ultrasonography in the diagnosis of malignant liver lesions, *J Ultrasound Med* 1986; 5: 1
- Holm L-E See Furst CJ
Holm L-E See Törnberg SA
Holman BL See Grégoire J
Holman BL See Jacobson AF
Holman BL See Moretti JL
Holman BL See Parker JA
Holman BL See Piwnicka-Worms D
Holman BL See Polak JF
Holman BL See Sia STB
Holman BL See Sporn V
Holman BL See Tumeh SS
Holman BL: perfusion and receptor SPECT in the dementias—George Taplin Memorial Lecture, *J Nucl Med* 1986; 27: 855
- Holman BL; Campbell CA; Lister-Jones J; et al: effect of reperfusion and hyperemia on the myocardial distribution of technetium-99m t-butylisothionitrite, *J Nucl Med* 1986; 27: 1172
- Holman BL; Sporn V; Jones AG; et al: myocardial imaging with technetium-99m CPl: initial experience in the human, *J Nucl Med* 1987; 28: 13
- Holmberg CE See Nemcek AA Sr
Holmes BW Jr See Allen HA III
Holmes DR; Bove AA; Nishimura RA; et al: comparison of monoplane and biplane assessment of regional left ventricular wall motion after thrombolytic therapy for acute myocardial infarction, (ab), *Radiology* 1987; 165: 586
- Holmes DS See Mackenzie WE
Holmes KT; Williams PG; King NJC; et al: comparison of the chemical analyses of cell lipids with their complete proton NMR spectrum, *Magn Res Med* 1987; 4: 567
- Holmes RA See Logan KW
Holmes RA See Malley MJ
Holmes RE See Sartoris DJ
Holmes SM See Okazaki JR
Holmes TW See Volkov HB
Holmes WS See Tatu WF
Holmes WS; Pope TL Jr; de Lange E; et al: case report 413, *Skeletal Radiol* 1987; 16: 163
- Holmfeld JHM See Womack NR
Holmin T See Stridbeck H
Holoubi A See Al-Mefty O
Holoubi A See Jinkins JR
Holroye PY See Kun LE
Holshouser B See Hinshaw DB Jr
Holshouser BA; Bradley WG Jr: microcomputer patient database management system for an MRI facility, *AJR* 1986; 146: 871
- Holsti LR See Mattson K
Holsti LR; Mäntylä M: split-course versus continuous radiotherapy: analysis of a randomized trial from 1964 to 1967, *Acta Oncol* 1988; 27: 153
- Holsti LR; Mattson K; Niiranen A; et al: enhancement of radiation effects by alpha interferon in the treatment of small cell carcinoma of the lung, *Int J Radiat Oncol Biol Phys* 1987; 13: 1161
- Holsti P See Salmi R
Holt GW See Christensen CW
Holt JAG; Stanford RW: synergism between hyperthermia and ionising radiation, *Br J Radiol* 1986; 59: 795
- Holt ME See Nicholson AA
Holt W See Higgins CB
Holt WW See Pfugfelder PW
Holtas S See Larsson E-M
Holtas S See Pettersson H
Holtas S; Morris TW; Ekholm SE; et al: penetration of subarachnoid contrast medium into rabbit spinal cord: comparison between metrizamide and iohexol, *Invest Radiol* 1986; 21: 151
- Holtas S; Nordstrom C-H; Larsson E-M; et al: MR imaging of intradural disk herniation, *JCAT* 1987; 11: 353
- Holtas S; Olsson M; Romner B; et al: comparison of MR imaging and CT in patients with intracranial aneurysm clips, *AJNR* 1988; 9: 891
- Holtas SL See Simon JH
Holtas SL; Kido DK; Simon JH: MR imaging of spinal lymphoma, *JCAT* 1986; 10: 111
- Holtas SL; Plewes DB; Simon JH; et al: technical aspects on magnetic resonance imaging of the spine at 1.5 tesla, *Acta Radiol* 1987; 28: 375
- Holte S; Ostertag H; Kesselberg M: preliminary evaluation of a dual crystal positron camera, *JCAT* 1987; 11: 691
- Holubarsch C See Just H
Holz M See Strecker E-P
Holz M; Strecker EF; Weiss KH: NMR tomography for the visualization of the diffusion of Gd-DTPA in agar-gel and in brain tissue—in vitro studies, *Eur J Radiol* 1987; 7: 137
- Homan RW; Devous MD; Stokely EM; et al: quantification of intracerebral steal in patients with arteriovenous malformation, (ab), *Radiology* 1987; 162: 295
- Homben GCHJ See Creemers WRJ
Hombo Z-I See Hayashi K
Homer MJ See Pennes DR
Homer MJ: atlas of the breast: clinical radiodiagnosis, *Radiology* 1986; 159: 70
- Homer MJ: imaging features and management of characteristically benign and probably benign breast lesions, *Radiol Clin North Am* 1987; 25: 939
- Homer MJ: preoperative needle localization of lesions in the lower half of the breast: needle entry from below, *AJR* 1987; 149: 43
- Homer MJ; Cooper AG; File-Spellman ER: milk of calcium in breast microcysts: manifestation as a solitary focal disease, *AJR* 1988; 150: 789
- Homer MJ; File-Spellman ER: needle localization of occult breast lesions with a curved-end retractable wire: technique and pitfalls, *Radiology* 1986; 161: 547
- Homer MJ; File-Spellman ER: needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls: reply, *Radiology* 1987; 163: 284
- Homma S; Kaul S; Boucher CA: correlates of lung/heart ratio of thallium-201 in coronary artery disease, *J Nucl Med* 1987; 28: 1531
- Homma T See Fukuda Y
Homsy Y See Grignon A
Honda H; Lu CC; Franken EA Jr; et al: renal sinus malignant lymphoma: a case report, *CT* 1988; 12: 190
- Honda H; Nakamura Y; Kajiwara T; et al: malignant fibrous histiocytoma of the liver, *Comput Med Imag Graph* 1988; 12: 131
- Honda H; Watanabe K; Kusumoto S; et al: optimal positioning for CT examinations of the skull base: experimental and clinical studies, *Eur J Radiol* 1987; 7: 225
- Honda H; Yuh WTC; Lu CC: magnetic resonance imaging of renal vein and inferior vena cava thrombosis in a patient with glomerulonephritis: a case report, *CT* 1988; 12: 147
- Honda M See Munehika H
Honda T See Fujioka M
Hones DJ; Wasserman TH; Workman P; et al: additivity of radiosensitization by the combination of SR 2508 (etanidazole) and Ro 03-8799 (pimonidazole) in a murine tumor system, *Int J Radiat Oncol Biol Phys* 1988; 15: 671
- Hong J See Glanz S
Hong-Magno ET; Muraki AS; Huttenlocher PR: atypical CT scans in adrenoleukodystrophy, *JCAT* 1987; 11: 333
- Honig CL See Margulis SJ
Honig CL See Teixidor HS
Hood JD See Nassem M
Hood RS See Osborn AG
Hoogewoud H-M; Petropoulos P: renal embolization: a study of the interaction of contrast media and ethanol, *Cardiovasc Intervent Radiol* 1987; 10: 219
- Hoopes PJ; Gillette EL; Withrow SJ: intraoperative irradiation of the canine abdominal aorta and vena cava, *Int J Radiat Oncol Biol Phys* 1987; 13: 715
- Hoover ED See Ginsberg F
Hoover ED See Hansman ML
Hoover ED See Hillman TH
Hoover ED See Peyster RG
Hoover LA See Larsson SG
Hoover LA See Lufkin RB
Hoover SV See Bobba VS
Hooyman JR; MacCarty RL; Carpenter HA; et al: radiographic appearance of mucosal dysplasia associated with ulcerative colitis, *AJR* 1987; 149: 47
- Hope DT See Chan KK
Hopewell JW See Calvo W
Hopewell JW See Dixon-Brown A
Hopewell JW See Morris GM

- Hopewell JW See ter Haar G
- Hopewell JW; Morris AD; Dixon-Brown A: influence of field size on the late tolerance of the rat spinal cord to single doses of x rays, *Br J Radiol* 1987; 60: 1099
- Hopewell PC See Murray JF
- Hopfinger-Hallikainen D See Kinnunen J
- Hopkins A; Garman A; Clarke C: first seizure in adult life: value of clinical features, electroencephalography, and computerized tomographic scanning in prediction of seizure recurrence, (ab), *Radiology* 1988; 169: 886
- Hopkins AL; Barr RG: oxygen-17 compounds as potential NMR T₂ contrast agents: enrichment effects of H₂¹⁷O on protein solutions and living tissues, *Magn Res Med* 1987; 4: 399
- Hopkins AL; Haacke EM; Tkach J; et al: improved sensitivity of proton MR to oxygen-17 as a contrast agent using fast imaging: detection in brain, *Magn Res Med* 1988; 7: 222
- Hopkins AL; Yeung HN; Bratton CR: multiple field strength in vivo T₁ and T₂ for cerebrospinal fluid protons, *Magn Res Med* 1986; 3: 303
- Hopkins HA See Looney WB
- Hopkins HA; Looney WB: solid tumor models for the assessment of different treatment modalities: XXVI estimates of cell survival from tumor growth delay after alternating radiotherapy and chemotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 217
- Hopkins J; Savage M; Zaleski A; et al: recurrent ischemia in the zone of prior myocardial infarction: results of coronary angioplasty of the infarct-related artery, (ab), *Radiology* 1988; 169: 883
- Hopkins JD See Allen HA III
- Hoppe RT See Castellino RA
- Hoppe RT See Pedrick TJ
- Hoppe RT See Prestidge BR
- Hoppe RT: contemporary management of Hodgkin disease, *Radiology* 1988; 169: 297
- Hopper JL See Davis SM
- Hopper JL; Davis SM; Tress BM; et al: analysis of dynamic computed tomography scan brain images, *Invest Radiol* 1987; 22: 651
- Hopper KD See Rak K
- Hopper KD See Seibel DG
- Hopper KD: cerebral blood flow: physiologic and clinical aspects, *Radiology* 1988; 167: 736
- Hopper KD: clinical neurosonography: ultrasound of the central nervous system, *Radiology* 1987; 165: 370
- Hopper KD: computed tomographic angiography of the mediastinum, *Radiology* 1988; 168: 674
- Hopper KD: cranial magnetic resonance imaging, *Radiology* 1988; 169: 92
- Hopper KD: CT imaging and anatomic correlation of the human brain, *Radiology* 1988; 167: 54
- Hopper KD: diagnostic imaging in neurological disease, *Radiology* 1988; 167: 20
- Hopper KD: hepatic inversion with an epigastric gallbladder, *Gastrointest Radiol* 1988; 13: 355
- Hopper KD: magnetic resonance imaging of the thorax, *Radiology* 1988; 168: 608
- Hopper KD: rights, roles, and relationships in radiology, *Radiology* 1987; 165: 288
- Hopper KD; Diehl LF; Lesar M; Barnes M; Granger E; Baumann J: Hodgkin disease: clinical utility of CT in initial staging and treatment, *Radiology* 1988; 169: 17
- Hopper KD; Foley LC; Nieves NL; et al: interventricular extension of choroid plexus papillomas, *AJNR* 1987; 8: 469
- Hopper KD; Sherman JL; Luethe JM; Ghaed N: retrorenal colon in the supine and prone patient, *Radiology* 1987; 162: 443
- Hopper KD; Sherman JL; Williams MD; et al: variable anteroposterior position of the retroperitoneal colon to the kidneys, *Invest Radiol* 1987; 22: 298
- Hoppe-Seyler F See Brambs H-J
- Horder M See Petersen A
- Hordijk GJ See Terhaar CHJ
- Hordon LD; Francis RM; Marshall DH; et al: are scintigrams of the spine useful in vertebral osteoporosis?, *Clin Radiol* 1986; 37: 487
- Horej D; Gilbert PM; Burstein S; et al: normal aortic diameters by CT, *JCAT* 1988; 12: 602
- Horev G See Heller KM
- Horev G; Gomori JM; Zajicek G; et al: right-left symmetry axis of the brain on CT, *Comput Med Imag Graph* 1988; 12: 159
- Horgan JG See Chow PP
- Horger EO III See Stanley JH
- Hori A See Demierre B
- Horie Y; Hirayama C; Katsube Y: case report: bile duct carcinoma in a focal dilatation of the intrahepatic bile duct, *Clin Radiol* 1987; 38: 209
- Hori SC See Raghavendra BN
- Hori SC See Wang Y
- Hori SC; Raghavendra BN: transcutaneous sonography of the postoperative spine, *Neuroradiol* 1986; 28: 599
- Horikawa Y See Ishigaki T
- Horikawa Y See Naruse S
- Horikawa Y See Tanaka C
- Horimoto Y; Kasuya T; Yoshizawa M; et al: unusual tracheal foreign body in a neonate, *Pediatr Radiol* 1986; 16: 420
- Horiot J-C See Esche BA
- Horiot J-C See Marcial VA
- Horiot J-C See van den Bogaert W
- Horiot J-C; Pignaux J; Pourquier H; et al: radiotherapy alone in carcinoma of the intact uterine cervix according to G. H. Fletcher guidelines: a French cooperative study of 1383 cases, *Int J Radiat Oncol Biol Phys* 1988; 14: 605
- Horiuchi J See Matsubara S
- Horiuchi J; Shibuya H; Suzuki S; et al: role of radiotherapy in the management of adenoid cystic carcinoma of the head and neck, *Int J Radiat Oncol Biol Phys* 1987; 13: 1133
- Horn KL See Lo WWM
- Horn KL; Shea JJ III; Brackmann DE: congenital cholesteatoma of the petrous pyramid, (ab), *Radiology* 1986; 160: 860
- Horn RA See Seagren S
- Hornak JP See Ceckler TL
- Hornak JP; Marshall E; Szumowski J; et al: MRI of extremities using perforated single-turn solenoids, *Magn Res Med* 1988; 7: 442
- Hornak JP; Szumowski J; Bryant RG: magnetic field mapping, *Magn Res Med* 1988; 6: 158
- Hornak JP; Szumowski J; Rubens D; Janus J; Bryant RG: breast MR imaging with loop-gap resonators, *Radiology* 1986; 161: 832
- Hornback NB See Lester SG
- Hornback NB See Reddy S
- Hornback NB: is the community radiation oncologist ready for clinical hyperthermia?, *Radiographics* 1987; 7: 139
- Hornback NB; Omura G; Major FJ: observations on the use of adjuvant radiation therapy in patients with stage I and II uterine sarcoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 2127
- Hornchen H See Muhler E
- Horne C See Singh M
- Horne J; Cockshott WF; Shannon HS: spinal column damage from water ski jumping, *Skeletal Radiol* 1987; 16: 612
- Horne T See Bomanji J
- Horne K; Forman GH: atypical simple bone cysts of the jaws. II: a possible association with benign fibro-osseous (cemental) lesions of the jaws, *Clin Radiol* 1988; 39: 59
- Horne K; Forman GH; Smith NJD: atypical simple bone cysts of the jaws. I: recurrent lesions, *Clin Radiol* 1988; 39: 53
- Horne K; Lawinski CJ; Smith NJD: erbium filtration for dose reduction in dental radiography, *Br J Radiol* 1988; 61: 609
- Horning SJ See Prestidge BR
- Hornby VPL: case report: floating faeces in steatorrhea—a new sign, *Clin Radiol* 1988; 39: 454
- Horoupan D See Belman AL
- Horoupan DS See Dickson DW
- Horoupan DS See Hoffman-Tretin JC
- Horowitz A See Degani H
- Horowitz AL; Kaplan R; Sargel G: carbon monoxide toxicity: MR imaging in the brain, *Radiology* 1987; 162: 787
- Horowitz DM See Robbins AH
- Horowitz M See Collins PJ
- Horowitz M See Yeh EK
- Horowitz SF See Sussman MH
- Horowitz SF; Machac J; Levin H; et al: effect of variable left ventricular vertical orientation on planar myocardial perfusion images, *J Nucl Med* 1986; 27: 694
- Horrigan TP; Bergin KT; Snow N: correlation between needle biopsy of lung tumors and histopathologic analysis of resected specimens, (ab), *Radiology* 1987; 163: 837
- Horrocks M See Bell J
- Horrocks M See McLean L
- Horsburgh CR Jr See Farhi DC
- Horsman MR; Brown DM; Hirst DG; et al: effects of purine nucleoside analogs on the response of the RIF-1 tumor to melphalan *in vivo*, *Int J Radiat Oncol Biol Phys* 1986; 12: 801
- Horsman MR; Brown JM; Hirst VK; et al: mechanism of action of the selective tumor radiosensitizer nicotinamide, *Int J Radiat Oncol Biol Phys* 1988; 15: 685
- Horsman MR; Brown DM; Lemmon MJ; et al: preferential tumor radiosensitization by analogs of nicotinamide and benzamide, *Int J Radiat Oncol Biol Phys* 1986; 12: 1307
- Horstmann H See Mahboubi S
- Horstmann H; Mahboubi S: use of computed tomography scan in unstable hip reconstruction, *CT* 1987; 11: 364
- Hortobagyi GN See Segel MC
- Horton JA See Erba SM
- Horton JA See Slasky BS
- Horton JA; Kerber CW: lidocaine injection into external carotid branches: provocative test to preserve cranial nerve function in therapeutic embolization, *AJNR* 1986; 7: 105
- Horton JA; Latchaw RE; Gold LHA; et al: embolization of intramedullary arteriovenous malformations of the spinal cord, *AJNR* 1986; 7: 113
- Horvath K See Pastakia B
- Horvath LJ See Johnson KM
- Horvick A See McMillan A
- Horwitz B; Rapoport SI: partial correlation coefficients approximate the real intrasubject correlation pattern in the analysis of interregional relations of cerebral metabolic activity, *J Nucl Med* 1988; 29: 392
- Horwitz RI See Mellors JW
- Horwitz T See Suchet I
- Horwitz TA See Bagg MNJ
- Hosaka M See Takebayashi S
- Höschel R; Choy DH-L; Ganderia B: iodine-131 uptake in inflammatory lung disease: a potential pitfall in treatment of thyroid carcinoma, *J Nucl Med* 1988; 29: 701
- Hoshi H See Kodama T
- Hoshi H; Hinoouchi S; Sameshima M; et al: Te-99m hexamethylpropylene-amine oxine (HM-PAO) uptake in a bone metastasis, *Clin Nucl Med* 1988; 13: 595
- Hoshi H; Hinoouchi S; Watanabe K; et al: mismatch between iodine-123 (IMP) and technetium-99m HM-PAO brain perfusion imaging in a patient with meningioma, *Clin Nucl Med* 1987; 12: 737
- Hoshino T; Yoshida H; Takayama S-L; et al: significance of intimal tears in the mechanisms of luminal enlargement in percutaneous transluminal coronary angioplasty: correlation of histologic and angiographic findings in postmortem human hearts, (ab), *Radiology* 1988; 168: 589
- Hosie CJ; Smith DAS: precision of measurement of bone density with a special purpose computed tomography scanner, *Br J Radiol* 1986; 59: 345
- Hoskin PJ; Yarnold JR; Smith IE; et al: CNS relapse despite prophylactic cranial irradiation (PCI) in small cell lung cancer (SCLC), *Int J Radiat Oncol Biol Phys* 1986; 12: 2025
- Hosoba M; Wani H; Toyama H; et al: automated body contour detection in SPECT: effects on quantitative studies, *J Nucl Med* 1986; 27: 1184
- Hosoya T; Kera M; Suzuki T; et al: fat in the normal cavernous sinus, *Neuroradiol* 1986; 28: 264
- Hosack KF; Moreno CA; Vanway CW; et al: frequency of cardiac contusion in nonpenetrating chest injury, (ab), *Radiology* 1988; 168: 589
- Høst A See Kofod P-EL
- Høst A; Halken S; Andersen PE Jr: reversibility of cortical hyperostosis following long-term prostaglandin E₁ therapy in infants with ductus-dependent congenital heart disease, *Pediatr Radiol* 1988; 18: 149
- Host H; Brennhovd IO; Loeb M: postoperative radiotherapy in breast cancer—long-term results from the Oslo study, *Int J Radiat Oncol Biol Phys* 1986; 12: 727
- Hotton GC See Price DB
- Houang MTW; Stern M; Brew B; et al: magnetic resonance imaging (MRI) appearances of syringohydromyelia, *Australas Radiol* 1988; 32: 172
- Houang MTW; Stern M; Brew B; et al: magnetic resonance imaging (MRI) of pseudosyrinxes, *Australas Radiol* 1988; 32: 178
- Houdek PV; Landy HJ; Quencer RM; et al: MR characterization of brain and brain tumor response to radiotherapy, *Int J Radiat Oncol Biol Phys* 1988; 15: 213
- Hougaard K; Lindequist S; Nielsen B: computerized tomography after posterior dislocation of the hip, (ab), *Radiology* 1988; 166: 589
- Hough FS See Wagener G
- Houk RW See Genze RM
- Houle S: cardiac nuclear medicine, *Radiology* 1987; 164: 204
- Houle S: nuclear cardiac imaging: principles and applications, *Radiology* 1987; 164: 140
- Houle S: nuclear medicine in urology and nephrology, 2d ed., *Radiology* 1987; 164: 106
- Houlaby WT See Carey BM
- Hoult DJ; Chen C-N; Sank VJ: field dependence of NMR imaging: II. arguments concerning an optimal field strength, *Magn Res Med* 1986; 3: 730
- Houser J; Cook SA: SPECT gated cardiac imaging rules out paradoxical right ventricular wall motion, *Clin Nucl Med* 1986; 11: 736

Houser

- Houser OW See Ormson MJ
Houser OW: search committee for an editor, *Radiographics* 1988; 8: 615
Houser OW: search committee for an editor for *Radiographics*, *Radiology* 1988; 168: 578
Houser OW, Onofri BM, Forbes GS; et al: correlation of radiological features to failure of lumbar intervertebral disc chemonucleolysis, (ab), *Radiology* 1987; 163: 295
Housholder DF, Hynes HE, Dakhil SR; et al: hepatobiliary scintigraphy in patients receiving hepatic artery infusion chemotherapy, (ab), *Radiology* 1986; 159: 821
Housset M, Baillet F, Dessard-Diana B; et al: retrospective study of three treatment techniques for T1-T2 base of tongue lesions: surgery plus postoperative radiation, external radiation plus interstitial implantation and external radiation alone, *Int J Radiat Oncol Biol Phys* 1987; 13: 511
Houston CS See Jacobson LE
Houston CS See Silverthorn KG
Houston D See Santiago S
Houston GK See Sandler CM
Houston L See Turski PA
Houston LW See Gentry LR
Houston LW See Malnor MD
Houston LW See Perman WH
Houston LW See Turski PA
Hove B See Steen-Hansen E
Hover K-H See Sturm V
Hovi I See Ahovuo J
Howard BA See Saibil EA
Howard BA See Samuels TS
Howard BA; Rubenstein JD; Lewis AJ: case report 371, *Skeletal Radiol* 1986; 15: 468
Howard G; Toole JF; Frye-Pierson J; et al: factors influencing the survival of 451 transient ischemic attack patients, (ab), *Radiology* 1988; 166: 295
Howard J See Kaye B
Howard JL; Dhekne RD; Moore WH; et al: double inferior vena cava diagnosis by technetium-99m labeled RBC study, *Clin Nucl Med* 1988; 13: 671
Howard WH See Timmons JH
Howards SS See Carey PO
Howat AJ; Dickens DRV; Bolt DW: bilateral metachronous periosteal osteosarcoma (ab), *Radiology* 1987; 163: 293
Howd A; Loose H; Chamberlain J: transluminal angioplasty in the treatment of mesenteric vein graft stenosis, *Cardiovasc Intervent Radiol* 1987; 10: 43
Howe FA: relaxation times in paramagnetically doped agarose gels as a function of temperature and ion concentration, *Magn Res Im* 1988; 6: 263
Howe JW; Baumgard S; Yochum TR; et al: case report 449, *Skeletal Radiol* 1988; 17: 52
Howe MA; Buckwalter KA; Braunstein EM; et al: case report 483, *Skeletal Radiol* 1988; 17: 293
Howe MA; Gross BH: CT evaluation of the equivocal pulmonary nodule, *Comput Radiol* 1987; 11: 61
Howell FV See Bone RC
Howell M See Dawson P
Howie FMC; Davidson JK: case report 492, *Skeletal Radiol* 1988; 17: 368
Howleson J See Franklin J
Howland WJ; Marler D; Bosshart D: educational objectives for diagnostic radiology residency training, *Invest Radiol* 1986; 21: 932
Howman-Giles R; Gatt M; Roy P: renal subcapsular rim sign: radionuclide pattern, *Clin Nucl Med* 1986; 11: 285
Howman-Giles R; Uren R; Roy LP; et al: volume expansion diuretic renal scan in urinary tract obstruction, *J Nucl Med* 1987; 28: 824
Howseman A See Orledge RJ
Howseman AM; Stehling MK; Chapman B; et al: improvements in snap-shot nuclear magnetic resonance imaging, *Br J Radiol* 1988; 61: 822
Höyeraal HM See Stabrun AE
Hoyle BA See Chism SE
Hoyoux C See Filiatrault D
Hoyt DB See Neff CC
Hoyt DB See vanSonnenberg E
Hoyt WF See Fletcher WA
Hrnfinkelsson J; Nilsson K; Söderberg M: tolerance of radiotherapy combined with adjuvant chemotherapy in breast cancer, *Acta Oncol* 1987; 26: 269
Hrejsa AF See Lin P-JP
Hricak H See Bretan PN Jr
Hricak H See Chang YCF
Hricak H See Cruz C
Hricak H See Demas BE
Hricak H See Dooms GC
Hricak H See Fisher MR
Hricak H See Fritzsche PJ
Hricak H See Hoddick WK
Hricak H See McCarthy SM
Hricak H See McClure RD
Hricak H See Mark AS
Hricak H See Marotti M
Hricak H See Terrier F
Hricak H See Thurnher S
Hricak H See Tscholakoff D
Hricak H See Vigneron DB
Hricak H See Wall SD
Hricak H See Wink ML
Hricak H: imaging prostate carcinoma, *Radiology* 1988; 169: 569
Hricak H: MRI of the female pelvis: review, *AJR* 1986; 146: 1115
Hricak H: urologic cancer: methods of early detection and future developments, (ab), *Radiology* 1988; 166: 909
Hricak H; Chang YCF; Thurnher S: vagina: evaluation with MR imaging, part I. normal anatomy and congenital anomalies, *Radiology* 1988; 169: 169
Hricak H; Demas BE; Braga CA; Fisher MR; Winkler ML: gestational trophoblastic neoplasm of the uterus: MR assessment, *Radiology* 1986; 161: 11
Hricak H; Dooms GC; Jeffrey RB Jr; Avallone A; Jacobs D; Benton WK; Narayan P; Tanagho EA: prostatic carcinoma: staging by clinical assessment, CT, and MR imaging, *Radiology* 1987; 162: 331
Hricak H; Dooms GC; McNeal JE; et al: MR imaging of the prostate gland: normal anatomy, *AJR* 1987; 148: 51
Hricak H; Jeffrey RB Jr; Dooms GC; et al: evaluation of prostate size: comparison of ultrasound and magnetic resonance imaging, *Urol Radiol* 1987; 9: 1
Hricak H; Lacey CG; Sandles LG; Chang YCF; Winkler ML; Stern JL: invasive cervical carcinoma: comparison of MR imaging and surgical findings, *Radiology* 1988; 166: 623
Hricak H; Mark AS; Alpers CE; et al: sonographic evaluation of the rejecting ureter, *Urol Radiol* 1986; 8: 25
Hricak H; Marotti M; Gilbert TJ; Lue TF; Wetzel LH; McAninch JW; Tanagho EA: normal penile anatomy and abnormal penile conditions: evaluation with MR imaging, *Radiology* 1988; 169: 683
Hricak H; Stern JL; Fisher MR; Shapeero LG; Winkler ML; Lacey CG: endometrial carcinoma staging by MR imaging, *Radiology* 1987; 162: 297
Hricak H; Terrier F; Demas BE: renal allografts: evaluation by MR imaging, *Radiology* 1986; 159: 435
Hricak H; Terrier F; Marotti M; Engelstad BL; Filly RA; Vincenti F; Duca RM; Bretan PN Jr; Higgins CB; Feduska N: posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging, *Radiology* 1987; 162: 685
Hricak H; Thoenel RF; Carroll PR; Demas BE; Marotti M; Tanagho EA: detection and staging of renal neoplasms: a reassessment of MR imaging, *Radiology* 1988; 166: 643
Hricak H; Tscholakoff D; Heinrichs L; Fisher MR; Dooms GC; Reinhold C; Jaffe RB: uterine leiomyomas: correlation of MR, histopathologic findings, and symptoms, *Radiology* 1986; 158: 385
Hruban RH See Fishman EK
Hruban RH See Mezziane MA
Hruban RH; Mezziane MA; Zerhouni EA; et al: radiologic-pathologic correlation of the CT halo sign in invasive pulmonary aspergillosis, *JCAT* 1987; 11: 534
Hruban RH; Zerhouni EA; Dagher AP; et al: morphologic basis of MR imaging of benign prostatic hyperplasia, *JCAT* 1987; 11: 1035
Hruby W; Muschik H: belt device for simplified CT-guided puncture and biopsy: a technical note, *Cardiovasc Intervent Radiol* 1987; 10: 301
Hryshko FG See Hirsch WL Jr
Hsieh H See Wan Y-L
Hsieh J-S; Huang C-J; Huang Y-S; et al: intraperitoneal hemorrhage due to spontaneous rupture of hepatocellular carcinoma: treatment by hepatic artery embolization, *AJR* 1987; 149: 715
Hsieh PS; Balaban RS: saturation and inversion transfer studies of creatine kinase kinetics in rabbit skeletal muscle *in vivo*, *Magn Res Med* 1988; 7: 56
Hsieh SW See Zhang C-C
Hsiu JG See Scatarige JC
Hsu H-C See Shen J-C
Hu LB: case report 455, *Skeletal Radiol* 1987; 16: 679
Hu L-X See Zhang C-C
Hu YH See Yin ZY
Huang CC See Shen FY
Huang C-C; Ho M-Y; Shen E-Y: sonographic changes in a parasagittal cerebral lesion in an asphyxiated newborn, *JCU* 1987; 15: 68
Huang C-I See Teng MMH
Huang C-J See Hsieh J-S
Huang CT See DeLorenzo LJ
Huang CY See Woo E
Huang D See Pham DH
Huang D; Weisbrod GL; Chamberlain DW: unusual radiologic presentations of bronchioloalveolar carcinoma, *J Canad Assoc Radiol* 1986; 37: 94
Huang DY See Ling CC
Huang F-Y See Shen E-Y
Huang G-T See Sheu J-C
Huang H; Haq N: spinal leptomeningeal sarcoidosis, *Neuroradiol* 1987; 29: 100
Huang HC See Chen HY
Huang HK See Cho PS
Huang HK See Gilsanz V
Huang HK See Lo S-C
Huang HK See Mankovich NJ
Huang J See Butler JA
Huang K-M See Shih TTF
Huang L See Kabalka GW
Huang M-Y See DeKernion JB
Huang SC See Wan YL
Huang SC See Weinberg IN
Huang S-C; Mahoney DK; Phelps ME: quantitation in positron emission tomography: 8. effects of nonlinear parameter estimation on functional images, *JCAT* 1987; 11: 314
Huang SJ See Barsky SH
Huang SN See Arenson AM
Huang T-Y; Yam LT; Li C-Y: radiological features of systemic mast-cell disease, *Br J Radiol* 1987; 60: 765
Huang Y-C See Johnson JF
Huang Y-S See Hsieh J-S
Huaux JP; Malgouyres J; Madaque R; et al: reflex sympathetic dystrophy syndrome: an unusual mode of presentation of osteomalacia, (ab), *Radiology* 1987; 162: 294
Hubbard C: laryngocoele—a study of five cases with reference to the radiological features, *Clin Radiol* 1987; 38: 639
Hubbard SM See DeVita VT
Huber DJ See Lewin B
Huber DJ; Kobzik L; Solorzano C; et al: nuclear magnetic resonance spectroscopy of acute and evolving pulmonary hemorrhage: an *in vitro* study, *Invest Radiol* 1987; 22: 632
Huber DJ; Sauter R; Mueller E; Requardt H; Weber H: MR imaging of the normal shoulder, *Radiology* 1986; 158: 405
Huber DJ; Summers E; Klein M: soft tissue pseudotumor following intramuscular injection of "DPT": a pitfall in magnetic resonance imaging, *Skeletal Radiol* 1987; 16: 469
Huber JS See Nunez D Jr
Huber JS See Russell E
Huber P See Aaslid R
Huber P See Schmid UD
Huber SJ; Paulson GW; Shuttleworth EC; et al: magnetic resonance imaging correlates of dementia in multiple sclerosis, (ab), *Radiology* 1987; 165: 886
Huber SJ; Paulson GW; Shuttleworth EC; et al: magnetic resonance imaging correlates of dementia in multiple sclerosis, (ab), *Radiology* 1988; 166: 914
Hubert BC; Toyama WM: familial right thoracic stomach, (ab), *Radiology* 1987; 164: 888
Huberty JP See Engelstad BL
Hubner K See Kabalka GW
Huchon GJ; Montgomery A; Lipavsky A; et al: respiratory clearance of aerosolized radioactive solutes of varying molecular weight, *J Nucl Med* 1987; 28: 894
Huckman MS See Russell EJ
Huckman MS; Richard E; Buenger, MD, President, *Radiological Society of North America*, 1987, *Radiology* 1986; 161: 843
Huckman MS; Clark JW; McNeill TW; et al: chemonucleation and changes observed on lumbar MR scan: preliminary report, *AJNR* 1987; 8: 1
Huczukowski J See Dale RG
Huczukowski J See Skolyszewski J
Huda W See Dunscombe PB
Huda W: CT quality control, *J Canad Assoc Radiol* 1987; 38: 122
Huda W; Sourkes AM; Tracy BL: Chernobyl—the radiological impact on Canada, *J Canad Assoc Radiol* 1988; 39: 37
Huddak SF See Sandler MA
Huddell J See Oshakken M
Hudkins PG See Liu J
Hudson G See Charlebois N
Hudson G See Lemarble L
Hudson BV; MacLennan KA; Bennett MH; et al: systemic disturbance in Hodgkin's disease and its relation to histopathology and prognosis (BNLI report No. 30), *Clin Radiol* 1987; 38: 257
Hudson FR See Samarasekera MG
Hudson GV See Makepeace AR
Hudson FN See Beltran J
Hudson T See Present DA
Huefle MG; Haaga JR: effect of suction on biopsy sample size, *AJR* 1986; 147: 1014

- Huefle MG; Modic MT; Ross JS; Masaryk TJ; Carter JR; Wilber RG; Bohman HH; Steinberg PM; Delamarter RB: lumbar spine: postoperative MR imaging with Gd-DTPA. *Radiology* 1988; 167: 817
- Huelle BK See Swynnerston NF
- Huesman RH See Jagot WJ
- Huesman RH See Mazoyer BM
- Huey H; Morris DC; Nichols DM; et al: low-dose streptokinase thrombolysis of axillary-subclavian vein thrombosis. *Cardiovasc Intervent Radiol* 1987; 10: 92
- Huff LC See Zinreich SJ
- Huffer W See Pearson ME
- Huffman D See Hughes RC
- Huffman JC See Green MA
- Hufton AP See Russell JGB
- Hufton AP; Russell JGB: use of carbon fibre material in table tops, cassette fronts and grid covers: magnitude of possible dose reduction. *Br J Radiol* 1986; 59: 157
- Hug G See Babcock DS
- Hugel HE; Oser W; Bodner E: aneurysm of the proper hepatic artery as a rare source of upper gastrointestinal bleeding. *Gastrointest Radiol* 1986; 11: 158
- Hughes B; Marshall DR; Sobel BE; et al: characterization of beta-adrenoreceptors in vivo with iodine-131 pindolol and gamma scintigraphy. *J Nucl Med* 1986; 27: 660
- Hughes C See Papp MA
- Hughes CF; Waugh R; Lindsay D: surgery for pulmonary aspergilloma: preoperative embolization of the bronchial circulation. (ab). *Radiology* 1986; 161: 574
- Hughes DG; Wilson DJ: ultrasound appearances of peripheral nerve tumours. *Br J Radiol* 1986; 59: 1041
- Hughes F See Tschopong L
- Hughes HE; Maskin M: congenital microcephaly due to vascular disruption: in utero documentation. (ab). *Radiology* 1987; 162: 592
- Hughes JJ See Lecklitner ML
- Hughes JJ: radiology in emergency medicine. *Radiology* 1988; 166: 164
- Hughes JJ; Blunck CE: CT demonstration of gastropneumocystic fistula due to penetrating gastric ulcer. *JCAT* 1987; 11: 709
- Hughes JJ; Brogdon BG: computed tomography of duodenal hematoma. *CT* 1986; 10: 231
- Hughes KS; Rosenstein RB; Songhorabodi S; et al: resection of the liver for colorectal carcinoma metastases: a multi-institutional study of long-term survivors. (ab). *Radiology* 1988; 168: 585
- Hughes RC; Huffman D; Snelling JV; et al: miniature radiation dosimeter for *in vivo* radiation measurements. *Int J Radiat Oncol Biol Phys* 1988; 14: 963
- Hugoson C: striation of the renal pelvis and ureter in bilharziasis. *Clin Radiol* 1987; 38: 407
- Hugoson CO; Olsen P: early ureteric changes in *Schistosoma haematobium* infection. *Clin Radiol* 1986; 37: 501
- Huhta JC See O'Laughlin MP
- Huhta JC See Reiter AA
- Huhta JC See Towbin JA
- Hui WM; Lam SK: multiple duodenal ulcer: natural history and pathophysiology. (ab). *Radiology* 1988; 168: 586
- Huilgol NG; Mehta AR; Kulkarni V; et al: hypofractionated external radiation with high and low dose rates in the treatment of advanced cancer of the cervix. *Int J Radiat Oncol Biol Phys* 1988; 14: 577
- Huilita Y See Kida T
- Huk W See Schuierer G
- Hulbert JC See Cardella JF
- Hulbert JC See Castaneda F
- Hulbert JC See Erturk E
- Hulbert JC See Hunter DW
- Hulbert JC See Mercado S
- Hulbert JC See Reddy PK
- Hulbert JC See Smith TP
- Hulbert JC; Reddy PK; Hunter DW; et al: percutaneous techniques for the management of caliceal diverticula containing calculi. (ab). *Radiology* 1986; 160: 285
- Hull M See Abrahams TG
- Hull RD; Hirsch J; Carter CJ; et al: diagnostic value of ventilation-perfusion lung scanning in patients with suspected pulmonary embolism. (ab). *Radiology* 1986; 158: 820
- Hull RD; Raskob GE; Carter CJ; et al: pulmonary embolism in outpatients with pleuritic chest pain. (ab). *Radiology* 1988; 168: 586
- Hulnick DH See Balthazar EJ
- Hulnick DH See Bosniak MA
- Hulnick DH See Cheznar JL
- Hulnick DH See Megibow AJ
- Hulnick DH See Schwartz JM
- Hulnick DH; Balthazar EJ; gastric duplication cyst: CT series and CT correlation. *Gastrointest Radiol* 1987; 12: 106
- Hulnick DH; Bosniak MA: "faceless kidney": CT sign of renal duplicity. *JCAT* 1986; 10: 771
- Hulnick DH; Chatson GP; Megibow AJ; et al: retroperitoneal fibrosis presenting as colonic dysfunction: CT diagnosis. *JCAT* 1988; 12: 159
- Hulnick DH; Megibow AJ; Balthazar EJ; Gordon RB; Surapaneni R; Bosniak MA: perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations. *Radiology* 1987; 164: 611
- Hulls A See Walter E
- Hulsey JM See Smith R
- Hulsey JM; Smith R: obstructive pattern in dacryoscintigraphy. *Semin Nucl Med* 1988; 18: 65
- Hultborn KA See Hultborn R
- Hultborn R; Friberg S; Hultborn KA: male breast carcinoma: I. a study of the total material reported to the Swedish Cancer Registry 1958-1967 with respect to clinical and histopathologic parameters. *Acta Oncol* 1987; 26: 241
- Hultborn R; Friberg S; Hultborn KA; et al: male breast carcinoma: II. a study of the total material reported to the Swedish Cancer Registry 1958-1967 with respect to treatment, prognostic factors and survival. *Acta Oncol* 1987; 26: 327
- Humbert P See Masoul J
- Hume SP; Marigold JCL: thermal enhancement of radiation damage in previously irradiated mouse intestine. *Br J Radiol* 1986; 59: 53
- Humm JL: dosimetric aspects of radiolabeled antibodies for tumor therapy. *J Nucl Med* 1986; 27: 1490
- Humm JL: microdosimetric model of astatine-211 labeled antibodies for radioimmunotherapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 1767
- Humphrey CC See Schick RM
- Humphrey H See Kennedy JF
- Humphries L See Domstad PA
- Hundeshagen H See Tietze P
- Hung C-Y; Burrow RD; Scherlag BJ; et al: new method for measuring myocardial blood flow by high resolution scintigraphy in the excised dog heart. *J Nucl Med* 1986; 27: 1586
- Hung JC; Corliss M; Volkert WA; et al: kinetic analysis of technetium-99m d,l-HM-PAO decomposition in aqueous media. *J Nucl Med* 1988; 29: 1568
- Hungerford DS See Zizic TM
- Hungerford JL See Bomanji J
- Hungerford JL See Harnett AN
- Hunink MGM; de Vries-Knoppert WAEJ; Balm AJM; et al: dacryoscintigraphy after paranasal sinus surgery. *Br J Radiol* 1988; 61: 362
- Hunnam GR; Flower CDR: radiologically-guided percutaneous catheter drainage of empyema. *Clin Radiol* 1988; 39: 121
- Hunninghake GW See Thomas PD
- Hunsicker LG See Yuh WTC
- Hunt JW See Kaizer L
- Hunt M See Brizel DM
- Hunt M See Kutcher GJ
- Hunt MA; Kutcher GJ; Martel MK: matchline dosimetry of a three field technique for breast treatment using cobalt or 6 MV x rays. *Int J Radiat Oncol Biol Phys* 1987; 13: 1059
- Hunter DW See Brazzini A
- Hunter DW See Butto F
- Hunter DW See Cardella JF
- Hunter DW See Castaneda F
- Hunter DW See Darcy MD
- Hunter DW See Derauf JB
- Hunter DW See Hulbert JC
- Hunter DW See Letourneau JG
- Hunter DW See Mercado S
- Hunter DW See Robinson JD
- Hunter DW See Smith TP
- Hunter DW See Young AT
- Hunter DW; Baum S; Becker GJ; Casarella WJ; Cragg AH; Darcy MD; Kopecky K; Smith TP: cardiovascular/interventional radiology. RSNA '87 meeting notes. *Radiology* 1988; 166: 608
- Hunter DW; Lung G; Ryvaay JA; et al: retrieving the Amplatz retrievable vena cava filter. *Cardiovasc Intervent Radiol* 1987; 10: 32
- Hunter DW; Simmons RL; Hulbert JC: antibiotics for radiologic interventional procedures. *Radiology* 1988; 166: 572
- Hunter DW; So SK: dialysis access: radiographic evaluation and management. *Radiol Clin North Am* 1987; 25: 249
- Hunter G See Palmaz JC
- Hunter GJ See Hunter JW
- Hunter GJS See Heron CW
- Hunter GJS; Hunter JV; Brown NJG: parametric imaging using digital subtraction angiography. *Br J Radiol* 1986; 59: 7
- Hunter JV See Hunter GJS
- Hunter JV: parametric imaging applied to renal digital subtraction angiography: establishment of normal ranges. *Urol Radiol* 1986; 8: 204
- Hunter JV; Hunter GJ; Tucker AK: patterns of axillary lymphadenopathy demonstrated by mammography: implications for the asymptomatic woman in a breast screening programme. *Clin Radiol* 1987; 38: 515
- Hunter N See Iwakawa M
- Hunter N See Masuda K
- Hunter N See Milas L
- Hunter PT; Finlayson B; Hinko RJ; et al: measurement of shock wave pressures used for lithotripsy. (ab). *Radiology* 1987; 163: 291
- Hunter PT II See Grantham JR
- Hunter RD See Jones DA
- Hunter RD See Lukka HR
- Hunter RD; Cowie VJ; Blair V; et al: clinical trial of two conceptually different radical radiotherapy treatments in stage III carcinoma of the cervix. *Clin Radiol* 1986; 37: 23
- Hunter S See Virapongse C
- Hunter T See Reuter KL
- Hunter TB See Clinger NJ
- Hunter TB See Fajardo LL
- Hunter TB See Hillman BJ
- Hunter TB See Newell JD
- Hunter WW Jr See Keller FJ
- Huntrakoon M See Levine E
- Huprich JE See Hauser CJ
- Höppcher DN: contrast venography of the leg: diagnosis efficacy, tolerance, and complication rates with ionic and nonionic contrast media. *Radiology* 1988; 168: 878
- Hurd R See Kater AV
- Hurd RE See Freeman DM
- Hurlbert BJ; Landers DF: sedation and analgesia for interventional radiologic procedures in adults. (ab). *Radiology* 1988; 167: 592
- Hurler GD See Maher KP
- Hurst RW See Burke JW
- Hurst RW; Newman SA; Cail WS: multifocal intracranial MR abnormalities in neurofibromatosis. *AJNR* 1988; 9: 293
- Hurtubise M; Paquin F: le carcinome a petites cellules ("oat cell" carcinoma) de l'oesophage, une lesion rare: presentation de deux nouveaux cas. *J Canad Assoc Radiol* 1986; 37: 104
- Hurwitz B See Drayer BP
- Hurwitz GA See Webster DL
- Hurwitz J See Friedman L
- Hurwitz L See Eisenberg D
- Hurwitz RA; Caldwell RL; Mahony L; et al: role of radionuclide shunt studies in management of infants and children. *Clin Nucl Med* 1986; 11: 781
- Hurwitz SR: yolk sac sign: sonographic appearance of the fetal yolk sac in missed abortion. *J Ultrasound Med* 1986; 5: 435
- Husain M See Skupin A
- Husain MM See Balachandran S
- Husain J See Bellamy EA
- Husain J See Bloom RA
- Husain J See Hiron CW
- Husain J See Kassin CM
- Husain J See Libson E
- Husain J See Williams MP
- Husman CA See Hahn FJ
- Husan SM: different forms of neurofibromatosis. (ab). *Radiology* 1988; 166: 913
- Husain S See Belldogru A
- Husain S; Belldogru A; Seltzer SE; et al: CT diagnosis of adrenal abnormalities in patients with primary non-adrenal malignancies. *Eur J Radiol* 1986; 6: 127
- Hussey DH See Wang M-L
- Hussey JK See Scott RF
- Husted J; Dempsey D: angiographic management of arteriovenous fistulae. *Cardiovasc Intervent Radiol* 1986; 9: 158
- Huston J III; Muhm JR: solitary pulmonary opacities: plain tomography. *Radiology* 1987; 163: 481
- Hutchison MA See Chan CK
- Hutchison RG See Marion RW
- Hutchins D See Soulen MC
- Hutchins GD See Koeppe RA
- Hutchins GM See Hamper UM
- Hutchins GM See Mezziane MA
- Hutchins GM See Sheth S
- Hutchinson M; Raff U: fast MRI data acquisition using multiple detectors. *Magn Res Med* 1988; 6: 87
- Hutchinson RJ See Bland FH
- Hutchinson RJ See Latack JT
- Hutchinson JMS See Norris DG
- Hutchinson JMS See Redpath TW
- Hutchinson KJ; Karpinski E: stability of flow patterns in the *in vivo* post-stenotic velocity field. *Ultrasound Med Biol* 1988; 14: 269
- Hutson DG See Russell E
- Hutson JV See Brainard JR
- Hutson MA See Elliott S
- Huttenlocher PR See Hong-Magno ET
- Huttl K See Jolesz FA
- Hutton BF See Bailey DL
- Hutton I See Harker L
- Hutton L See Olstola PS
- Hutton LC See Florence SH
- Huurman WW; Jacobson FS; Anderson JC; et al: limb-length discrepancy measured with computerized axial tomographic equipment. (ab). *Radiology* 1988; 166: 295

- Huvos AG: osteogenic sarcoma of bones and soft tissues in older persons: clinicopathologic analysis of 117 patients older than 60 years, (ab), *Radiology* 1986; 160: 859
- Huvos AG; Marcove RC: chondrosarcoma in the young: a clinicopathologic analysis of 79 patients younger than 21 years of age, (ab), *Radiology* 1988; 167: 886
- Huvos AG; Sundaresan N; Bretsky SS; et al: osteogenic sarcoma of the skull: clinicopathologic study of 19 patients, (ab), *Radiology* 1986; 158: 859
- Huvos AG; Woodard HQ; Heilwell M: postirradiation malignant fibrous histiocytoma of bone: clinicopathologic study of 20 patients, (ab), *Radiology* 1986; 161: 284
- Huymans D See Corstens F
- Hvid-Jacobsen K See Thomsen HS
- Hvid-Jacobsen K; Nielsen SL; Jensen VJ; et al: demonstration of the thoracic duct by ¹²⁵I heptadecanoic acid: report of a case, *Acta Radiol* 1987; 28: 783
- Hwang KJ See Choi H-O
- Hwang MH See Piao ZE
- Hwang WS See Rasmussen SL
- Hybarger P See Bradus RJ
- Hyde I See Goodfellow T
- Hyde I See Paes RA
- Hyde I See Rawlinson J
- Hyde JS See Daniels DL
- Hyde JS See Jesmanowicz A
- Hyde JS See Kneeland JB
- Hyde JS See Middleton WD
- Hyde JS See Slane JMK
- Hyde JS See Sotgiu A
- Hyde JS See Subczynski WK
- Hyde JS; Francisz W; Jesmanowicz A; et al: simultaneous image acquisition from the head (or body) coil and a surface coil, *Magn Res Med* 1988; 6: 235
- Hyde JS; Jesmanowicz A; Kneeland JB: surface coil for MR imaging of the skin, *Magn Res Med* 1987; 5: 456
- Hyde RW See Wandtke JC
- Hydovitz JD See Winzelberg GG
- Hye RJ See Sedwitz MM
- Hyland RH See Chan CK
- Hylton NM See Crooks LE
- Hylton NM See Mills TC
- Hylton NM See Ortendahl DA
- Hyman AD; Lanzieri CF; Solodnik P; et al: cystic adult medulloblastoma, *CT* 1986; 10: 139
- Hyman RA See Alvarez O
- Hyman RA; Edwards JH; Alvarez O; et al: axis selection in transverse magnetic resonance imaging of the brain: electronic angulation techniques, *Comput Radiol* 1987; 11: 1
- Hyman RA; Gorey MT: imaging strategies for MR of the brain, *Radiol Clin North Am* 1988; 26: 471
- Hyman RA; Gorey MT: imaging strategies for MR of the spine, *Radiol Clin North Am* 1988; 26: 505
- Hyman RA; Gorey MT; Nuskind RL; Black KS: CT of the brain is alive and well, *Radiology* 1988; 167: 877
- Hynes HE See Housholder DF
- Hynynen K: demonstration of enhanced temperature elevation due to nonlinear propagation of focussed ultrasound in dog's thigh in vivo, *Ultrasound Med Biol* 1987; 13: 85
- Hyodo A See Nose T
- Hyrynkangas K See Makarainen H

I

- Iaccarino M; Baldi F; Persico O; et al: ultrasonographic and pathologic study of mucoid degeneration of umbilical cord, *JCU* 1986; 14: 127
- Iaccarino V; Niola R; Porta E: silicone biliary stents, *AJR* 1987; 148: 741
- Iachetti M See Pompili A
- Iacona MA See Mancuso L
- Iaina A; Abrashkin S; Weininger J: proton MR study of different types of experimental acute renal failure in rats, *Magn Res Imag* 1986; 4: 241
- Iaina A; Weininger J; Abrashkin S: paramagnetic enhanced proton magnetic resonance measurement in rats: correlates with renal function, *Magn Res Imag* 1988; 6: 131
- Iannotti F; Fieschi C; Alfano B; et al: simplified, noninvasive PET measurement of blood-brain barrier permeability, *JCAT* 1987; 11: 390
- Ibarburen C See Pinto I
- Ibarra B See Romero FJ
- Ibayashi S; Sadoshima S; Ogata K; et al: cerebral venous aneurysms of the pons: report of a case with pontine hemorrhage, *CT* 1986; 10: 377
- Iba Zizen MT See Laissy JP

- Iba-Zizen MT See Tamraz JC
- Ibbertson HK See Dodd GW
- Ibbott GS See Hazuka MB
- Ibels LS See Podgorski MR
- Ibor LL See Lasjaunius P
- Ibuki Y See Kudo M
- Ichinose E See Katz T
- Ichise M See Nagel JS
- Ichiya Y See Kuwabara Y
- Ichiya Y; Nakashima Y; Gunasekera R; et al: coexistence of a nonfunctioning thyroid nodule in Plummer's disease demonstrated by thallium-201 imaging, *Clin Nucl Med* 1988; 13: 117
- Ichord R See Taylor GA
- Ida M See Matsui O
- Ida M; Araki K; Yoshikawa J; et al: therapeutic hepatic vein angioplasty for Budd-Chiari syndrome, *Cardiovasc Intervent Radiol* 1986; 9: 187
- Ida M: Japanese policy and status of standardisation, *Ultrasound Med Biol* 1986; 12: 705
- Ido K See Takeda T
- Ido K See Yamato M
- Ierace T See Derchi LE
- Ieshima A See Nishimura M
- Igdbashian V; Mahboubi S; Zimmerman RA: CT and MR findings in Aicardi syndrome, *JCAT* 1987; 11: 357
- Iglehart JD; Wolfe WG; Vernon WB; et al: electron microscopy in selection of patients with small cell carcinoma of the lung for medical versus surgical therapy, (ab), *Radiology* 1986; 159: 569
- Iglesias JR; Kazner E; Aruffo C; et al: model of semiautomatic type-specific diagnosis of brain tumours by computed tomography: mathematical fundamentals and practical application, *Br J Radiol* 1986; 59: 895
- Ihara K See Ishii K
- Ihmeidan IH; Tehranzadeh J; Mnyamneh W; et al: case report 434, *Skeletal Radiol* 1987; 16: 568
- Ihmeidan IH; Tehranzadeh J; Oldham SA; et al: case report 443, *Skeletal Radiol* 1987; 16: 581
- Ii M See Matsuda H
- Ii T See Yoshida T
- Iida H See Miura S
- Iida H See Yamamoto S
- Iida M See Matsui T
- Iida M; Iwashita A; Yao T; Kitagawa S; Sakamoto K; Tanaka K; Fujishima M: villous tumor of the colon: correlation of histologic, macroscopic, and radiographic features, *Radiology* 1988; 167: 673
- Iida M; Matsui T; Fuchigami T; Iwashita A; Yao T; Fujishima M: ischemic colitis: serial changes in double-contrast barium enema examination, *Radiology* 1986; 159: 337
- Iida M; Yao T; Itoh H; et al: natural history of fundic gland polypoid polyps in patients with familial adenomatous coli/Gardner's syndrome, (ab), *Radiology* 1986; 160: 573
- Iida Y See Noma S
- Iida Y; Kasagi K; Misaki T; et al: visualization of suppressed normal thyroid tissue by thallium-201 in patients with toxic nodular goiter, *Clin Nucl Med* 1988; 13: 283
- Iino T; Toyosaki N; Katsuki T; et al: evaluation of diseased coronary arterial branches by polar representations of thallium-201 rotational myocardial imaging, *Clin Nucl Med* 1987; 12: 688
- Iio M See Kokubo T
- Iio M See Ohtomo K
- Iishi H See Fujita M
- Iishi H; Yamamura H; Tatsuta M; et al: value of ultrasonographic examination combined with measurement of serum tumor markers in the diagnosis of pancreatic cancer of less than 3 cm in diameter, (ab), *Radiology* 1986; 161: 573
- Ikawa T See Kashiwagi T
- Ikeda A See Yamamoto I
- Ikeda DM; Bank ER; Liddell R: sinus of Valsalva aneurysm secondary to aortic valve endocarditis, *Invest Radiol* 1988; 23: 222
- Ikeda DM; Sickles EA: mammographic demonstration of pectoral muscle microcalcifications, *AJR* 1988; 151: 475
- Ikeda DM; Sickles EA: second-screening mammography: one versus two views per breast, *Radiology* 1988; 168: 651
- Ikeda H See Takashima S
- Ikeda H; Okudaira Y: spontaneous regression of pituitary mass in temporal association with pregnancy, *Neuroradiol* 1987; 29: 488
- Ikeda J See Fukuya T
- Ikeda K See Taguchi T
- Ikeda M See Ishigaki T
- Ikeda S See Yoshimoto H
- Ikebara H See Ebara M
- Ikekubo K See Higa T
- Ikekubo K See Kudo M
- Ikekubo K; Habuchi Y; Jeong S; et al: follow-up study using iodine-131 metaiodobenzylguanidine imaging in a patient with neuroblastoma, *Clin Nucl Med* 1988; 11: 777

- Ikekubo K; Higa T; Hirasa M; et al: evaluation of radionuclide imaging and echography in the diagnosis of thyroid nodules, *Clin Nucl Med* 1986; 11: 145
- Ikeuchi M See Fukuda T
- Ikezo J See Akira M
- Ikezo J See Sone S
- Ikezo J See Takashima S
- Ikezo J; Morimoto S; Akira M; et al: computed tomography following endoscopic sclerotherapy of esophageal varices, *Acta Radiol* 1987; 28: 415
- Ikezo J; Morimoto S; Arisawa J; et al: ultrasonography of mediastinal teratoma, *JCU* 1986; 14: 513
- Ikezo J; Sone S; Higashihara T; et al: schwannoma of the trachea, *Eur J Radiol* 1986; 6: 65
- Ikezo J; Takashima S; Morimoto S; et al: CT appearance of acute radiation-induced injury in the lung, *AJR* 1988; 150: 765
- Iko BO: left subphrenic crescent sign in direct cholangiography, *Clin Radiol* 1987; 38: 549
- Iko BO: splenic abscess on ultrasonography, *Eur J Radiol* 1986; 6: 116
- Iko BO; Chinwuba CE; Myers EM; et al: sarcoidosis of the parotid gland, *Br J Radiol* 1986; 59: 547
- Ikuta H See Higashi T
- Ii M See Matsuda H
- Iies S; Gordon D; Aquino JA; et al: visualization of portal venous collaterals on a technetium-99m labeled red blood cell scan for gastrointestinal bleeding: potential pitfall in interpretation, *Clin Nucl Med* 1987; 12: 946
- Iies SE; Ehrlich LE; Saliken JC; et al: indium-111 chloride scintigraphy in adult osteomyelitis, *J Nucl Med* 1987; 28: 1540
- Iliakis G; Nusse M; Ganapathi R; et al: differential reduction by caffeine of adriamycin induced cell killing and cell cycle delays in Chinese hamster V79 cells, *Int J Radiat Oncol Biol Phys* 1986; 12: 1987
- Ilkko E; Lahde S; Koivukangas J; et al: computed tomography after lumbar disc surgery, *Acta Radiol* 1988; 29: 179
- Ilkko E; Leinonen K; Lahde S: comparison of the radiation doses in lumbar CT and myelography, *Eur J Radiol* 1987; 7: 119
- Illescas FF See Bret FM
- Illescas FF See Cohan RH
- Illescas FF See Herba MJ
- Illescas FF See Moore AV Jr
- Illescas FF See Saeed M
- Illescas FF See Sussman SK
- Illescas FF; Baker ME; McCann R; et al: CT evaluation of retroperitoneal hemorrhage associated with femoral arteriography, *AJR* 1986; 146: 1289
- Illescas FF; Baker ME; Weiner JL: bladder leiomyoma: advantages of sonography over computed tomography, *Urol Radiol* 1986; 8: 216
- Illescas FF; Braun SD; Cohan RH; et al: fibromuscular dysplasia of renal arteries: comparison of intravenous digital subtraction angiography with conventional angiography, *J Canad Assoc Radiol* 1988; 39: 167
- Illescas FF; Braun SD; Cohan RH; et al: ultrasonically guided percutaneous transhepatic transcholangiography in the nondilated biliary tree, *Gastrointest Radiol* 1986; 11: 77
- Ilum F See de Carvalho A
- Illyes M; Gatti L: reverse flow in the human fetal descending aorta as a sign of severe fetal asphyxia preceding intrauterine death, *JCU* 1986; 16: 403
- Istrup DM See Forbes G
- Ives R See Leekam RN
- Im J-G See Choe YH
- Im J-G See Choi BI
- Im J-G See Sakai F
- Im J-G See Webb WR
- Im J-G; Choi BI; Park JH; et al: CT findings of lobar bronchioloalveolar carcinoma, *JCAT* 1986; 10: 320
- Im J-G; Gamsu G; Gordon D; et al: CT densitometry of pulmonary nodules in a frozen human thorax, *AJR* 1988; 150: 61
- Im J-G; Kang HS; Choi BI; et al: pleural endometriosis: CT and sonographic findings, *AJR* 1987; 148: 523
- Im J-G; Rosen A; Webb WR; et al: MR imaging of the transverse sinus of the pericardium, *AJR* 1988; 150: 79
- Im J-G; Song KS; Kang HS; Park JH; Yeon KM; Han MC; Kim C-W: mediastinal tuberculous lymphadenitis: CT manifestations, *Radiology* 1987; 164: 115
- Imai A See Meyer JS
- Imai S See Nishimura Y
- Imai Y See Momoshima S
- Imakita S See Kadota T
- Imakita S; Nishimura T; Naito H; et al: magnetic resonance imaging of human cerebral infarction: enhancement with Gd-DTPA, *Neuroradiol* 1987; 29: 422

- Imamura M; Minematsu S; Suzuki T; et al: usefulness of selective arterial secretin injection test for localization of gastrinoma in the Zollinger-Ellison syndrome, (ab), *Radiology* 1987; 164: 881
- Imamura T See Nagayoshi K
- Imamura T See Nagatomo Y
- Imamura T; Nagatomo Y; Nakagawa S; et al: hyperventilation thallium-201 myocardial imaging for the diagnosis of vasospastic angina, *Clin Nucl Med* 1987; 12: 729
- Imanaka K See Sasai K
- Imahuku S See Hibi S
- Imawari M See Itai Y
- Imbert C See Rounseau H
- Imes RK See Fletcher WA
- Immelman EJ See Jeffery PC
- Imray TJ See Lieberman RP
- Inagaki M; Ando Y; Mito T; et al: comparison of brain imaging and neuropathology in cases of trisomy 18 and 13, *Neuroradiol* 1987; 29: 474
- Inaraja L See Mata JM
- Inaraja L; Franquet T; Caballero P; et al: CT findings in circumscribed upper abdominal idiopathic retroperitoneal fibrosis, *JCAT* 1986; 10: 1063
- Inayoshi S See Matsumoto SC
- Inbar M; Matzkin H; Rozin RR; et al: malignant melanoma developing in an irradiation field, *Br J Radiol* 1988; 61: 519
- Inbasekaran MN See Muthiah HL
- Incalzi RA; Maini CL; Bonetti MG; et al: inapparent pulmonary vascular disease in an ex-heroin user, *Clin Nucl Med* 1986; 11: 266
- Indeck M See Mirvis SE
- Indeck M See Shorr RM
- In den Kleef JJE; Cuppen JJM; RLSQ; T₁, T₂, and ρ calculations, combining ratios and least squares, *Magn Res Med* 1987; 5: 513
- Ingemarsson I See Jorgensen C
- Ingram C; Stoker DJ: contrast media in double-contrast arthrography of the knee: comparison of ioxaglate and iothalamate preparations, *Br J Radiol* 1986; 59: 143
- Ingram CE See Belli A-M
- Ingram S See Thomas DGT
- Ingram TL; Reid SH; Cho S-R; Tisnado J: percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts: reply, *Radiology* 1988; 169: 280
- Ingram TL; Reid SH; Tisnado J; Cho S-R; Posner MF: percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, *Radiology* 1988; 166: 45
- Ingrisch H See Mayr B
- Innis NK See Osenkopp K-P
- Innis NK; Osenkopp K-P; Prato FS; et al: behavioral effects of exposure to nuclear magnetic resonance imaging: II. spatial memory tests, *Magn Res Imag* 1986; 4: 281
- Inoue H See Kobayashi H
- Inoue K See Warabi T
- Inoue M; Abe H; Kobayashi T; et al: posttraumatic internal carotid aneurysm presenting as a nasal sinus lesion, (ab), *Radiology* 1987; 164: 591
- Inoue O See Shinotoh H
- Inoue S-I See Takata K
- Inoue Y See Nemoto Y
- Inoue Y; Nemoto Y; Fujita K; Aoki H; Takemoto K; Tsukamoto Y; Oda J; Onoyama Y: pituitary dwarfism: CT evaluation of the pituitary gland, *Radiology* 1986; 159: 171
- Inoue Y; Tabuchi T; Hakuba A; et al: facial nerve neuromas: CT findings, *JCAT* 1987; 11: 942
- Inouye LW See Middleton WD
- Inouye T See Kuno S-Y
- Insall JN See Schneider R
- Insana MF See Garra BS
- Intenzo C See Desai AG
- Intenzo C See Greenberg SB
- Intenzo C See Park CH
- Intenzo C; Kim S; Madson M; et al: planar and SPECT Tc-99m red blood cell imaging in hepatic cavernous hemangiomas and other hepatic lesions, *Clin Nucl Med* 1988; 13: 237
- Intenzo CM See Davis PS
- Intenzo CM; Desai AG; Park CH: thallium-201 uptake by the sternum, *Clin Nucl Med* 1986; 11: 214
- Intenzo CM; Desai AG; Thakur ML; et al: comparison of leukocytes labeled with indium-111-2-mercaptopyridine-N-oxide and indium-111 oxine for abscess detection, *J Nucl Med* 1987; 28: 438
- Intenzo CM; Hendricks P; Kim S; et al: dynamic hepatobiliary scan appearance of hepatocellular carcinoma, *Clin Nucl Med* 1988; 13: 325
- Intenzo CM; Koh YB; Madson MT; et al: septal infarction demonstrated on technetium-99m PYP SPECT, *Clin Nucl Med* 1986; 11: 82
- International Committee for Standardization in Hematology: recommended method for indium-111 platelet survival studies, *J Nucl Med* 1988; 29: 564
- International Commission on Radiological Protection: statement from the 1987 Como meeting of the International Commission on Radiological Protection, *Radiology* 1988; 167: 263
- Introcasso J See Saini S
- Inugami A See Tomura N
- Inul TS See Lipsky BA
- Inuyama Y See Kondo M
- Inuyama Y See Yamashita S
- Inzelberg R; Treves T; Reider I; et al: computed tomography brain changes in Parkinsonian dementia, *Neuroradiol* 1987; 29: 535
- Ionescu V See Schreiber A
- Iosilevsky G See Front D
- Iozzo RV See Marinelli DL
- Ireton RC See Russell KJ
- Irtja K See Raininko R
- Ironsides JAD: second malignant neoplasms after childhood cancer: report of three cases of osteogenic sarcoma, *Clin Radiol* 1987; 38: 195
- Irisik RD See Johnson RL
- Irtam I See Danielson B
- Irvine CG See Rockwell S
- Irvine AT See Yanch JC
- Irving HC See Ubhi CS
- Irving HC: sheath needle for liver biopsy, *Radiology* 1988; 168: 879
- Irving HC; Arthur RJ; Thomas DFM: percutaneous nephrostomy in paediatrics, *Clin Radiol* 1987; 38: 245
- Irving MG See Brooks WM
- Irving MG; Brereton IM; Field J; et al: in vivo determination of body iron stores by natural-abundance deuterium magnetic resonance spectroscopy, *Magn Res Med* 1987; 4: 38
- Irwin GAL See Daykin EL
- Irwin GAL See Schultz E
- Irwin GAL: hand-held and automated breast ultrasound, *Radiology* 1986; 160: 658
- Irwin GAL: ultrasound exam review: sonographer's self-assessment guide, *Radiology* 1986; 161: 94
- Irwin GAL; Friedman L; Shapiro D: prosthetic fit in below-knee amputation: evaluation with xeroradiography, *AJR* 1987; 148: 99
- Isaac I See Utz R
- Isaacs GH See Adadepe MH
- Isaacs H See Senac MO Jr
- Isaacs JL; Quirke P: two cases of primary malignant melanoma of the oesophagus, *Clin Radiol* 1988; 39: 455
- Isaacson G See Chervenak FA
- Isaacson G See Mintz MC
- Isaacson G; Mintz MC: prenatal sonographic visualization of the inner ear, *J Ultrasound Med* 1986; 5: 409
- Isaacson PG; Spenser J; Finn T: primary B-cell gastric lymphoma, (ab), *Radiology* 1986; 161: 858
- Isaka Y See Uehara A
- Isakov A See Shapiro I
- Isawa T; Teshima T; Hirano T; et al: effect of bronchodilation on the deposition and clearance of radioaerosol in bronchial asthma in remission, *J Nucl Med* 1987; 28: 1901
- Isberg B See Eriksson S
- Isdale JM See Werner A
- Isdale JM; Leibowitz B; Austin JC; et al: blood gas pH and pulmonary response to the inhalation of low osmolar contrast media iopamidol and ioxaglate, *Invest Radiol* 1987; 22: 908
- Isenberg JN See Swischuk LE
- Ishak KG See Ros FR
- Isherwood I See Checkley DR
- Isherwood I See Ghoskar A
- Isherwood I See Gillespie JE
- Isherwood I; Johnson RJ: golden age: shifting spectrum. British Institute of Radiology presidential address 1985, *Br J Radiol* 1986; 59: 643
- Ishibashi H; Okumura Y; Higuchi N; et al: differentiation of mononucleosis from hepatitis by sonographic measurement of spleen size, *JCU* 1987; 15: 313
- Ishibashi T See Saito H
- Ishida H; Yagisawa H; Nasu H; et al: ultrasonography of acute obstructive suppurative cholangitis: serial observation by ultrasound, *JCU* 1987; 15: 51
- Ishida M See Asaga T
- Ishida Y See Kim B-H
- Ishigaki T See Shimamoto K
- Ishigaki T; Sakuma S; Horikawa Y; Ikeda M; Yamaguchi H: one-shot dual-energy subtraction imaging, *Radiology* 1986; 161: 271
- Ishigaki T; Sakuma S; Ikeda M: one-shot dual-energy subtraction chest imaging with computed radiography: clinical evaluation of film images, *Radiology* 1988; 168: 67
- Ishigaki T; Sakuma S; Watanabe M: computer-assisted rotation and multiple stationary irradiation technique: newly designed overrunning multi-leaf collimators for conformal radiotherapy, *Eur J Radiol* 1988; 6: 76
- Ishiguchi T See Shimamoto K
- Ishiguro S See Sato T
- Ishii K; Goto K; Ihara K; et al: high-risk dural arteriovenous fistulae of the transverse and sigmoid sinuses, *AJNR* 1987; 8: 1113
- Ishii Y See Hayakawa K
- Ishijima B See Kim P
- Ishikawa K See Ogata T
- Ishikawa M See Kosuda S
- Ishikawa Y See Nakao N
- Ishikura R See Nakao N
- Ishimaru H See Nakata H
- Ishiwata K; Vaalburg W; Elsinga PH; et al: comparison of L-[1-¹⁴C]methionine and L-methyl-[¹¹C]methionine for measuring in vivo protein synthesis rates with PET, *J Nucl Med* 1988; 29: 1419
- Ishiwata K; Vaalburg W; Elsinga PH; et al: metabolic studies with L-[1-¹⁴C]tyrosine for the investigation of a kinetic model to measure protein synthesis rates with PET, *J Nucl Med* 1988; 29: 524
- Ishizuka E See Takebayashi S
- Ishtman A See Hellman RS
- Ishtman AT See Krasnow AZ
- Ishtman AT See Veluvolu P
- Iskandrian AS See Nestico PF
- Iskandrian AS; Hakki A-H; Kane-Marsch S: exercise thallium-201 scintigraphy in men with nondiagnostic exercise electrocardiograms: prognostic implications, (ab), *Radiology* 1987; 163: 590
- Iskandrian AS; Hakki A-H; Segal BL; et al: role of exercise thallium-201 imaging in decision making, (ab), *Radiology* 1986; 161: 575
- Iskra LA See Beltran J
- Isles AF; Masel J; O'Duffy J: obliterative bronchiolitis due to Mycoplasma pneumoniae infection in a child, *Pediatr Radiol* 1987; 17: 109
- Ismailler I; Khan A; Leonidas JC; et al: computed tomography of primary malignant fibrohistiocytoma of the lung, *Comput Radiol* 1987; 11: 37
- Isner JM See Salem DN
- Isner JM; Salem DN; Desnoyers MR; et al: dual balloon technique for valvuloplasty of aortic stenosis in adults, (ab), *Radiology* 1988; 168: 886
- Isolauri J; Paakkala T; Arajarvi P; et al: colon interposition: long-term radiographic results, *Eur J Radiol* 1987; 7: 248
- Isom OW See Sehgal E
- Isomoto I See Miyake H
- Israel O See Front D
- Israel O See Gips S
- Israel O See Groushar D
- Israel O; Gips S; Jerushalmi J; Frenkel A; Front D: osteomyelitis and soft-tissue infection: differential diagnosis with 24 hour/4 hour ratio of Tc-99m MDP uptake, *Radiology* 1987; 163: 725
- Israel O; Jerushalmi J; Frenkel A; et al: normal and abnormal single photon emission computed tomography of the skull: comparison with planar scintigraphy, *J Nucl Med* 1988; 29: 1341
- Israel O; Jerushalmi J; Front D: scintigraphic findings in Gaucher's disease, *J Nucl Med* 1986; 27: 1557
- Israel RH See Kohan JM
- Israel S See Summers RM
- Israel-Biet D; Venet A; Sandron D; et al: pulmonary complications of intravascular bacille Calmette-Guérin immunotherapy, (ab), *Radiology* 1987; 164: 882
- Israngura N See Ajijakorn S
- Issacov D See Shalev E
- Isserman RM See Richards DG
- Iso T See Iwasaki Y
- Iso T; Iwasaki Y; Miyasaka K; et al: reappraisal of the diagnosis in cervical disc disease: posterior longitudinal ligament perforated or not, *Neuroradiol* 1986; 28: 215
- Itabashi HH See Cobb SR
- Itai Y See Kokubo T
- Itai Y See Ohtomo K
- Itai Y See Yamauchi T
- Itai Y: peripheral low-density area of hepatic tumors: CT-pathologic correlation, *Radiology* 1987; 162: 876
- Itai Y; Furui S; Ohtomo K; et al: dynamic CT features of arterioportal shunts in hepatocellular carcinoma, *AJR* 1986; 146: 723
- Itai Y; Hachiya J; Makita K; et al: transient hepatic attenuation differences on dynamic computed tomography, *JCAT* 1987; 11: 461
- Itai Y; Kokubo T; Atomi Y; Kuroda A; Haraguchi Y; Terano A: mucin-hypensecreting carcinoma of the pancreas, *Radiology* 1987; 165: 51
- Itai Y; Ohhashi K; Nagai H; Murakami Y; Kokubo T; Makita K; Ohtomo K: "ductectatic" mucinous cystadenoma and cystadenocarcinoma of the pancreas, *Radiology* 1986; 161: 697

- Itai Y; Ohnishi S; Ohtomo K; et al:** hepatic cavernous hemangioma in patients at high risk for liver cancer. *Acta Radiol* 1987; 28: 697
- Itai Y; Ohnishi S; Ohtomo K; Kokubo T; Yoshida H; Yoshikawa K; Imawari M:** regenerating nodules of liver cirrhosis: MR imaging. *Radiology* 1987; 165: 419
- Itai Y; Ohtomo K; Furui S; et al:** lobar intensity differences of the liver on MR imaging. *JCAT* 1986; 10: 236
- Itai Y; Ohtomo K; Furui S; et al:** MR imaging of hepatocellular carcinoma. *JCAT* 1986; 10: 963
- Itai Y; Ohtomo K; Kokubo T; et al:** CT and MR imaging of fatty tumors of the liver. *JCAT* 1987; 11: 253
- Itai Y; Ohtomo K; Kokubo T; et al:** CT demonstration of fluid-fluid levels in nonenhancing hemangiomas of the liver. *JCAT* 1987; 11: 763
- Itai Y; Ohtomo K; Kokubo T; et al:** CT demonstration of gas in dilated pancreatic duct. *JCAT* 1986; 10: 1052
- Itai Y; Ohtomo K; Kokubo T; et al:** CT of hepatic masses: significance of prolonged and delayed enhancement. *AJR* 1986; 146: 729
- Itai Y; Ohtomo K; Kokubo T; Okada Y; Yamauchi T; Yoshida H:** segmental intensity differences in the liver on MR images: a sign of intrahepatic portal flow stoppage. *Radiology* 1988; 167: 17
- Ithakissios DS See Livianio E**
- Ito H; Meistrich ML; Barkley HT Jr; et al:** protection of acute and late radiation damage of the gastrointestinal tract by WR-2721. *Int J Radiat Oncol Biol Phys* 1986; 12: 211
- Ito J See Tokiguchi S**
- Ito K See Tashiro K**
- Ito M; Patronas NJ; Di Chiro G; et al:** effect of moderate level x-radiation to brain on cerebral glucose utilization. *JCAT* 1986; 10: 584
- Ito T See Ando H**
- Itoh H See Aoki J**
- Itoh H See Fujisawa I**
- Itoh H See Iida M**
- Itoh H See Itoh K**
- Itoh H See Murata K**
- Itoh H See Nakano Y**
- Itoh H See Nishimura K**
- Itoh H See Noma S**
- Itoh H See Senda M**
- Itoh H See Togashi K**
- Itoh H See Ueda J**
- Itoh H; Shimono R; Hamamoto K:** liver trauma with bile leakage detected by hepatobiliary scintigraphy. *Clin Nucl Med* 1987; 12: 72
- Itoh I See Nishimura A**
- Itoh K See Fujisawa I**
- Itoh K See Hayashi N**
- Itoh K See Kokubo T**
- Itoh K See Minami S**
- Itoh K See Nakano Y**
- Itoh K See Nishimura K**
- Itoh K See Noma S**
- Itoh K See Togashi K**
- Itoh K; Nishimura K; Togashi K; et al:** MR imaging of cavernous hemangioma of the face and neck. *JCAT* 1986; 10: 831
- Itoh K; Nishimura K; Togashi K; Fujisawa I; Noma S; Minami S; Sagoh T; Nakano Y; Itoh H; Mori K; Ozawa K; Torizuka K:** hepatocellular carcinoma: MR imaging. *Radiology* 1987; 164: 21
- Itoh M; Hatazawa J; Pozzilli C; et al:** haemodynamics and oxygen metabolism in patients after reversible ischaemic attack or minor ischaemic stroke assessed with positron emission tomography. *Neuroradiol* 1987; 29: 416
- Itoh M; Hatazawa J; Pozzilli C; et al:** positron CT imaging of an impending stroke. *Neuroradiol* 1988; 30: 276
- Itoh T See Aoki J**
- Itoh T See Murata K**
- Itoh Y See Onohara S**
- Itoh Y; Kowada M; Mineura K:** choroid plexus carcinoma: report of a case with positron emission tomographic study. *Neuroradiol* 1986; 28: 374
- Iturralde M; Novitzky D; Cooper DKC; et al:** role of nuclear cardiology procedures in the evaluation of cardiac function following heart transplantation. *Semin Nucl Med* 1988; 18: 221
- Itzhak Y See Degani H**
- Itzhak Y See Graif M**
- Ivancev K See Malmgren N**
- Ivancev K; Ekelund L; Jonsson N:** morphologic changes following nephrostomy track dilatation: experimental investigation in the pig. *Acta Radiol* 1986; 27: 123
- Ivancev K; Hallidorsdottir A; Laurin S; et al:** computed tomography in the diagnosis and treatment of mediastinal abnormalities in children. *Acta Radiol* 1988; 29: 115
- Ivarsson SA See Weldner B-M**
- Iversen P See Kjaer L**
- Ivic J See Barany M**
- Ivins JC; Taylor WF; Wold LE:** elective whole-lung irradiation in osteosarcoma treatment: appearance of bilateral breast cancer in two long-term survivors. *Skeletal Radiol* 1987; 16: 133
- Iwabuchi T See Ebina K**
- Iwai A; Sakamoto T; Kinoshita Y; et al:** computed tomographic imaging of the brain in after hypoglycemia coma. *Neuroradiol* 1987; 29: 398
- Iwakawa M; Milas L; Hunter N; et al:** modification of tumor and normal tissue radiosensitivity in mice by N-methylformamide. *Int J Radiat Oncol Biol Phys* 1987; 13: 55
- Iwanaga D See Machi J**
- Iwao M See Mori H**
- Iwasaki Y See Ito T**
- Iwasaki Y; Abe H; Ito T; et al:** CT myelography with intramedullary enhancement in cervical spondylosis. (ab). *Radiology* 1986; 160: 861
- Iwasaki Y; Kinoshita M:** cranial computed tomographic findings in patients with chiro-oral syndrome. *Comput Med Imag Graph* 1988; 12: 237
- Iwasaki Y; Kinoshita M:** thalamic bleeding: clinico-computed tomographic correlations. *Comput Med Imag Graph* 1988; 12: 245
- Iwase M; Shimizu Y; Kitahara H; et al:** parathyroid carcinoma visualized by gallium-67 citrate scintigraphy. *J Nucl Med* 1986; 27: 63
- Iwashita A See Iida M**
- Iwashita A See Matsui T**
- Iyer KS See Venugopal P**
- Izdebski K; Fontanesi J; Ross JC; et al:** effects of irradiation on alaryngeal voice of totally laryngectomized patients. *Int J Radiat Oncol Biol Phys* 1988; 14: 1281
- Izumi R See Matsui O**
- Izumi S See Miyatake K**
- Izumi T See Murata K**
- Izutsu M See Yamato M**
- J**
- Jääskeläinen J See Kääriäinen H**
- Jääskeläinen J See Lamminen A**
- Jabbari B; Gunderson CH; Wippold F; et al:** magnetic resonance imaging in partial complex epilepsy. (ab). *Radiology* 1987; 163: 592
- Jablockov V See Ackerman L**
- Jabour BA; Ralls FW; Tang WW; et al:** acquired cystic disease of the kidneys: computed tomography and ultrasonography appraisal in patients on peritoneal and hemodialysis. *Invest Radiol* 1987; 22: 728
- Jacinto JS; Modanlou HD; Crade M; et al:** renal calcification incidence in very low birth weight infants. (ab). *Radiology* 1988; 168: 591
- Jack CR Jr See Forbes G**
- Jack CR Jr; Bhansali DT; Chason JL; et al:** angiographic features of gliosarcoma. *AJNR* 1987; 8: 117
- Jack CR Jr; Boulos RS; Mehta BA; et al:** cerebral angiography in brainstem revascularization. *AJNR* 1987; 8: 211
- Jack CR Jr; Gehring DG; Ehman RI; Felmlee JP:** cerebrospinal fluid-iodophendylate contrast on gradient-echo MR images. *Radiology* 1988; 169: 561
- Jack CR Jr; Gehring DG; Sharbrough FW; et al:** temporal lobe volume measurement from MR images: accuracy and left-right asymmetry in normal persons. *JCAT* 1988; 12: 21
- Jack CR Jr; Mokri B; Laws ER Jr; et al:** MR findings in normal-pressure hydrocephalus: significance and comparison with other forms of dementia. *JCAT* 1987; 11: 923
- Jack CR Jr; Nichols DA; Sharbrough FW; Marsh WR; Petersen RC:** selective posterior cerebral artery amyl test for evaluating memory function before surgery for temporal lobe seizure. *Radiology* 1988; 168: 787
- Jack CR Jr; O'Neill BP; Banks PM; Reese DF:** central nervous system lymphoma: histologic types and CT appearance. *Radiology* 1988; 167: 211
- Jack CR Jr; Sharbrough FW; Marsh WR:** use of MR imaging for quantitative evaluation of resection for temporal lobe epilepsy. *Radiology* 1988; 169: 463
- Jack WJL See Duncan W**
- Jacks SC; Kroos BR; Hinson WH; Karstaedt N; Moran PR:** paramagnetic macrocyclic complexes as contrast agents for MR imaging: proton nuclear relaxation rate enhancement in aqueous solution and in rat tissues. *Radiology* 1986; 159: 525
- Jackman KV See Johnson ND**
- Jackson CG See Glasscock ME**
- Jackson D See Gaffney CC**
- Jackson DE See Babbal RW**
- Jackson DE Jr See Barkovich AJ**
- Jackson DE Jr See Floyd JL**
- Jackson DE Jr; Floyd JL:** hemobilia: unusual cause of segmental bile duct obstruction. *Clin Nucl Med* 1986; 11: 77
- Jackson DE Jr; Floyd JL:** unusual cause of a hot spot on sulfur colloid liver imaging. *Clin Nucl Med* 1986; 11: 549
- Jackson DE Jr; Floyd JL; Levesque PH:** hemobilia associated with hepatic artery aneurysms: scintigraphic detection with technetium-99m-labeled red blood cells. *J Nucl Med* 1986; 27: 491
- Jackson DF See Hawkes DJ**
- Jackson DV Jr See Powell BL**
- Jackson EF See Narayana PA**
- Jackson FI:** rights, roles, and relationships in radiology. *Radiology* 1987; 165: 288
- Jackson FI:** ultrasonography in evaluation of lymph nodes of the neck. *Radiology* 1988; 167: 877
- Jackson FI; Lalani Z:** sonographic manifestations of abdominal lymphoma. *Semin US CT MR* 1987; 8: 61
- Jackson GD; Littleton JT:** simultaneous occurrence of anomalous cardiac and tracheal bronchi: a case study. *J Thorac Imag* 1988; 3-1: 59
- Jackson GL See Kemp KI**
- Jackson H:** abused "silhouette". *Radiology* 1988; 169: 578
- Jackson IMD; Wu P; Lechan RM:** immunohistochemical localization in the rat brain of the precursor for thyrotropin-releasing hormones. (ab). *Radiology* 1986; 158: 572
- Jackson JA See Keller AM**
- Jackson JA; Naul LG; Montgomery JL; et al:** gallium-67 uptake by a benign adrenocortical adenoma. *J Nucl Med* 1988; 29: 1451
- Jackson JC See Williamson MR**
- Jackson JE; Thomas AMK:** case of the bloated nurse. *Br J Radiol* 1987; 60: 721
- Jackson JG; Moineddin M:** appearance of metastatic meningioma on bone scintigraphy. *Clin Nucl Med* 1986; 11: 819
- Jackson JI See Nishimura DG**
- Jackson LK See Shin MS**
- Jackson MK See Gyanani VL**
- Jackson ML; Goldfarb CR; Ongseng F:** offensive wrist. *Clin Nucl Med* 1986; 11: 130
- Jackson ML; Zuckier L; Goldfarb CR; et al:** effect of patient positioning on liver size estimation. *J Nucl Med* 1986; 27: 1632
- Jackson PC See Key H**
- Jackson PC; Stevens FH; Smith JH; et al:** development of a system for transillumination computed tomography. *Br J Radiol* 1987; 60: 375
- Jackson RL; Llaurodo JG:** visualization by dynamic and static osseous scintigraphy of pelvic chondrosarcoma in multiple hereditary exostosis. *Clin Nucl Med* 1987; 12: 113
- Jackson RM See Shin MS**
- Jackson S See Laukkanen E**
- Jackson VP See Calkins AR**
- Jackson VP See duCret RP**
- Jackson VP See Hicks ME**
- Jackson VP; Kelly-Fry E; Rothschild PA; Holden RW; Clark SA:** automated breast sonography using a 7.5-MHz PVDF transducer: preliminary clinical evaluation. work in progress. *Radiology* 1986; 159: 679
- Jackson VP; Lex AM; Smith DJ:** patient discomfort during screen-film mammography. *Radiology* 1988; 168: 421
- Jackson VP; Rothschild PA; Kreipke DL; et al:** spectrum of sonographic findings of fibroadenoma of the breast. *Invest Radiol* 1986; 21: 34
- Jacky JP See Haynor DR**
- Jacob AS; Pichard A; Ohnmacht SD; et al:** results of percutaneous transluminal coronary angioplasty by multiple relatively low frequency operators. (ab). *Radiology* 1986; 160: 860
- Jacob J See Pathria MN**
- Jacob J; Sartoris D; Kursunoglu S; et al:** distal interphalangeal joint involvement in rheumatoid arthritis. (ab). *Radiology* 1986; 161: 284
- Jacob JR; Weisman MH; Mink JH; et al:** reversible cause of back pain and sciatica in rheumatoid arthritis: an apophyseal joint cyst. (ab). *Radiology* 1986; 161: 575
- Jacobs AJ See Kuske RR**
- Jacobs AJ See Worthington JL**
- Jacobs CG See Fishman EK**
- Jacobs CG; Zinreich ES; Fishman EK; et al:** computed tomography in radiotherapy planning of the axillary region. *CT* 1986; 10: 221
- Jacobs CJM; Harnsberger HR; Lufkin RB; Osborn AG; Smoker WRK; Parkin JL:** vagal neuropathy: evaluation with CT and MR imaging. *Radiology* 1987; 164: 97

- Jacobs D See Hricak H
 Jacobs GP See Bump EA
 Jacobs J See Wilner HI
 Jacobs J: introduction to organ imaging, *Radiology* 1986; 158: 118
 Jacobs J: WHO basic radiological system: manual of radiographic interpretation for general practitioners, *Radiology* 1986; 161: 696
 Jacobs JE; Markowitz SK: CT diagnosis of uterine lipoma, *AJR* 1988; 150: 1335
 Jacobs JM See Holliday RA
 Jacobs JM; Manaster BJ: digital subtraction arthrography of the temporomandibular joint, *AJR* 1987; 148: 344
 Jacobs L See Rudick RA
 Jacobs L; Kinkel PR; Kinkel WR: silent brain lesions in patients with isolated idiopathic optic neuritis: clinical and nuclear magnetic resonance imaging study, (ab), *Radiology* 1986; 160: 861
 Jacobs L; Kinkel WR; Polachini I; et al: correlations of nuclear magnetic resonance imaging, computerized tomography, and clinical profiles in multiple sclerosis, (ab), *Radiology* 1987; 162: 888
 Jacobs LH See Mandelblatt SM
 Jacobs RP; Moore M; Brower A: Wegener's granulomatosis presenting with erosive arthritis, (ab), *Radiology* 1988; 167: 590
 Jacobsen AB See Vermund H
 Jacobsen B See Holm J
 Jacobsen EB See Skjold T
 Jacobsen FS See Huurman WW
 Jacobsen JP See Christensen M
 Jacobsen JP See Petersen A
 Jacobsen LE; Houston CS; Habbick BF; et al: cystic fibrosis: a comparison of computed tomography and plain chest radiographs, *J Canad Assoc Radiol* 1986; 37: 17
 Jacobsen NO See Christiansen T
 Jacobsen AF; Cronin EB; Holman BL: sequential hepatobiliary scintigraphy demonstrating apparent transient biliary obstruction, *J Nucl Med* 1987; 28: 1775
 Jacobson AF; Parker JA; Royal HD; Silverman KJ; Gervino EV; Kolodny GM: supine versus upright anterior images: comparison in Tl-201 myocardial scintigraphy, *Radiology* 1987; 163: 691
 Jacobson BF; Jorulf H; Kalantar MS; Narasimham DL: nonionic versus ionic contrast media in intravenous urography: clinical trial in 1,000 consecutive patients, *Radiology* 1988; 167: 601
 Jacobson E See Schwimer SR
 Jacobson F See Oldham SA
 Jacobson GM See McNeely LK
 Jacobson GM; Sause WT; Thomson JW; et al: breast irradiation following silicone gel implants, *Int J Radiat Oncol Biol Phys* 1986; 12: 835
 Jacobson GM; Smith JA Jr; Stewart JR: postoperative radiation therapy for pathologic stage C prostate cancer, *Int J Radiat Oncol Biol Phys* 1987; 13: 1021
 Jacobson HG See Subbarao K
 Jacobson IM; Schapiro RH; Warshaw AL: gastric and duodenal fistulas in Crohn's disease, (ab), *Radiology* 1986; 160: 284
 Jacobson JH II See Train JS
 Jacobson LH See Toonkel LM
 Jacobson S See Runge VM
 Jacobsson B See Claesson I
 Jacobsson B See Hellstrom M
 Jacobsson H See Axelsson B
 Jacobsson H; Haverling M: hyperostosis cranii: radiography and scintigraphy compared, *Acta Radiol* 1988; 29: 223
 Jacobsson L See Boijesen M
 Jacobsson M See Kalebso P
 Jacobsson M; Kalebso P; Albrektsson T; et al: provoked repetitive healing of mature bone tissue following irradiation: quantitative investigation, *Acta Oncol* 1986; 25: 57
 Jacobsson M; Kalebso P; Tjellström A; et al: bone cell viability after irradiation: an enzyme histochemical study, *Acta Oncol* 1987; 26: 463
 Jacobstein MD See Fletcher BD
 Jacoby CG See Gentry LR
 Jacoby CG See Khangure MS
 Jacoby CG See Yuh WTC
 Jacoby CG; Yuh WTC; Afifi AK; et al: accelerated myelination in early Sturge-Weber syndrome demonstrated by MR imaging, *JCAT* 1987; 11: 226
 Jacques J See Road JD
 Jaeger P See Gerster J-C
 Jafar JJ See Tan WS
 Jafar JJ; Crowell RM: parasellar and optic nerve lesions: the neurosurgeon's perspective, *Radiol Clin North Am* 1987; 25: 877
 Jaffe D See Sfakianakis GN
 Jaffe J; Friedman AC; Seidman EJ; et al: diagnosis of ureteral stump transitional cell carcinoma by CT and MR imaging, *AJR* 1987; 149: 741
 Jaffe MH See Brody JM
 Jaffe MH See Choyke PL
 Jaffe MH See Zeman RK
 Jaffe MH; Fleischer D; Zeman RK; Benjamin SB; Choyke PL; Clark LR: esophageal malignancy: imaging results and complications of combined endoscopic-radiologic palliation, *Radiology* 1987; 164: 623
 Jaffe N See Shimizu H
 Jaffe R; Abramowicz J; Eckstein N; et al: sonographic monitoring of ovarian volume during LHRH analogue therapy in women with polycystic ovarian syndrome, *J Ultrasound Med* 1988; 7: 203
 Jaffe R; Abramowicz J; Feigin M; et al: giant fetal abdominal cyst: ultrasonic diagnosis and management, *J Ultrasound Med* 1987; 6: 45
 Jaffe RB See Boyer RS
 Jaffe RB See Demas BE
 Jaffe RB See Hricak H
 Jaffe RB; Orsmond GS; Veasy LG: inadvertent ligation of the left pulmonary artery, *Radiology* 1986; 161: 355
 Jaffe RM See Rosen JM
 Jaffers GJ See Orzal JA
 Jafri RA; Britton KE; Nimmon CC; et al: technetium-99m MAG₃ a comparison with iodine-123 and iodine-131 orthiodohippurate, in patients with renal disorders, *J Nucl Med* 1988; 29: 147
 Jafri SZH See Amendola MA
 Jafri SZH See Borrero GO
 Jafri SZH See Farah MC
 Jafri SZH See McCracken S
 Jafri SZH See Stuck KJ
 Jafri SZH; Farah J: urographic and computed tomographic demonstration of ureteroarterial fistula, *Urol Radiol* 1987; 9: 47
 Jafri SZH; Loginsky SJ; Bouffard JA; et al: sonographic detection of interstitial pregnancy, *JCU* 1987; 15: 253
 Jagannath A See Carr M
 Jagannath A; Brill FW; Winchester P: Addison's disease due to tuberculosis in a 13-year-old girl, *Pediatr Radiol* 1986; 16: 522
 Jagannath AS; Sos TA; Lockhart SH; et al: aortic dissection: statistical analysis of the usefulness of plain chest radiographic findings, *AJR* 1986; 147: 1123
 Jagelman DG See Sarre RG
 Jager N See Bockisch A
 Jager P See Kikinis R
 Jagiavan B; Morcos SK; Liddell H: adverse reaction to X-Prep, *Br J Radiol* 1988; 61: 853
 Jago JR; Gibson CJ; Diffey BL: evaluation of subjective assessment of liver function from radionuclide images, *Br J Radiol* 1987; 60: 127
 Jagust WJ; Budinger TF; Huesman RH; et al: methodologic factors affecting PET measurements of cerebral glucose metabolism, *J Nucl Med* 1986; 27: 1358
 Jagust WJ; Budinger TF; Reed BR: diagnosis of dementia with single photon emission computed tomography, (ab), *Radiology* 1987; 164: 592
 Jagust WJ; Budinger TF; Reed BR: diagnosis of dementia with single photon emission computed tomography, (ab), *Radiology* 1987; 165: 590
 Jahanshahi R See Bassett LW
 Jahre C See Pavlov H
 Jahren R See Westby M
 Jahus MH See Rosenberg ZS
 Jain AC; Dedhia HV; Savrin RA; et al: laser and balloon angioplasty in chronic occlusion of femoral artery in a canine model, (ab), *Radiology* 1987; 162: 294
 Jain AK See Gupta SK
 Jain SC See Warner T
 Jain VK See Dwarakanath BSR
 Jakab P See Jolesz FA
 Jako GJ See Jolesz FA
 Jakobson JA See Hald JK
 Jakobson K See Wollmer P
 Jakowenko N See Stringer DA
 Jallow S See Gao JDM
 James AE Jr See Falke THM
 James AE Jr See Fleischer AC
 James AE Jr See Mitchell MR
 James AE Jr See Patton JA
 James AE Jr See Runge VM
 James AE Jr See Winfield AC
 James AE Jr: report of AAMC task force on residency transition, *Invest Radiol* 1987; 22: 613
 James AE Jr; Carroll F; Pickens DR III; Chapman JC; Robinson RR; Pendergrass HF; Zaner RM: medical image management, *Radiology* 1986; 160: 847
 James AE Jr; Fleischer AC; Sacks GA; Gresson T: ectopic pregnancy: malpractice paradigm, *Radiology* 1986; 160: 411
 James AE Jr; Gresson T; Price RR; et al: legal and ethical choices in a technologic discipline: imaging centers, DRGs, and the radiologist, *Invest Radiol* 1986; 21: 746
 James AE Jr; Gresson T; Price RR; et al: legal and ethical issues in a technologic discipline: agency relationship, *Invest Radiol* 1986; 21: 815
 James AE Jr; Gresson T; Price RR; et al: legal and ethical issues in a technologic discipline: new times, new choices, *Invest Radiol* 1986; 21: 673
 James AE Jr; Partain CL; Hamilton RJ; et al: critique of the concept of MRI centers, *Magn Res Imag* 1987; 5: 71
 James BR See Chan PKL
 James EM See Edmondson GR
 James EM See Galiber AK
 James EM See Gorman B
 James EM See May GR
 James EM See Reading CC
 James EM See Sutton RT
 James EM See Teesley SA
 James R; Bartlett CR; Renicker J; et al: unusual MR metallic artifact due to steel threads, *JCAT* 1987; 11: 722
 James S See Portman MA
 James S; Balfe DM; Jek JT; et al: small-bowel disease: categorization by CT examination, *AJR* 1987; 148: 863
 James TL See Bretan PN Jr
 James TL See Schmidt HC
 James TL See Vigneron DB
 Jamieson D; Alavi A; Jolles P; et al: positron emission tomography in the investigation of central nervous system disorders, *Radiol Clin North Am* 1988; 26: 1075
 Jamieson TW; De Smet AA; Stechschulte DJ: erosive arthropathy associated with scleromyxedema, (ab), *Radiology* 1986; 159: 572
 Jampol LM See Mafee MF
 Jamroz GA See Siegel MJ
 Jamroz GA; Blocker SH; McAllister WH: radiographic findings after incomplete pyloromyotomy, *Gastrointest Radiol* 1986; 11: 139
 Jan JE See Larsen TA
 Janaki LM; Gardner JE; Medlin VL; Gates JR: carcinoma recurrence in the tracheal stoma: treatment with intracavitary radiation by modification of tracheostomy tube, *Radiology* 1986; 159: 275
 Janetschek G; Putz A; Feichtinger H: renal transitional cell carcinoma mimicking stone echoes, *J Ultrasound Med* 1988; 7: 83
 Janesvaki B See Goel R
 Jang HS; Lee MH; Park SB: ultrasound attenuation estimation using the LMSE filters and the median filter, *Ultrasound Med Biol* 1988; 14: 51
 Janjan NA See Prows J
 Janjan NA See Shia AS
 Janke PG; Rivron RP: unusual case of otorrhea due to parotid salivary fistula, *Br J Radiol* 1988; 61: 509
 Jankovic J See Dubinsky RM
 Janon EA See Peddecord KM
 Janower ML See Mukai JK
 Janower ML See Smith JC
 Janower ML: hypersensitivity reactions after barium studies of the upper and lower gastrointestinal tract, *Radiology* 1986; 161: 139
 Janower ML: productivity standards for technologists: how to use them, *Radiology* 1988; 166: 276
 Janower ML: radiology department management system: technologists' costs, *Radiology* 1986; 159: 566
 Janowitz W See Shocket E
 Janowska-Wieczorek A See Brauer M
 Jans AWJ; Willem R; Kellenbach FK; et al: sodium influxes in renal epithelial LLC-FK/C1 cells monitored by ²³Na NMR, *Magn Res Med* 1988; 7: 292
 Jansen I; Golman K; Edvinsson L: mechanisms of action of contrast media on cranial vessels: comparison of diatrizoate, ioxaglate, iohexol, mannitol, and NaCl on rabbit basilar and ear arteries, *Invest Radiol* 1987; 22: 814
 Janssen S See Piers DA
 Janssens AR See Shaw PC
 Janssens J See Vercamer R
 Jantsch H See Greene R
 Jantsch H See Lechner G
 Jantsch H See Wittich GR
 Janus C See Hermann G
 Janus C; Godine L: newborn with hydrometrocolpos and ambiguous genitalia: clinical significance, *JCU* 1986; 14: 739
 Janus J See Hornak JP
 Janus J See Logan WW
 Janzer RC See Shokry A
 Jaques FF See Gaisie G
 Jaques FF See Mandel SR
 Jaques FF See Mauro MA
 Jaques FF See Nath PH
 Jaques FF See Safrit HD
 Jaques FF; Mauro MA: drainage of pelvic abscesses through the greater sciatic foramen, *Radiology* 1986; 160: 278
 Jaques FF; Mauro MA; Safrit H; et al: CT features of intraabdominal abscesses: prediction of successful percutaneous drainage, *AJR* 1986; 146: 1041

- Jaques PF; Parker LA; Mauro MA:** fulminant systemic necrotizing arteritis: CT findings, *JCAT* 1988; 12: 104
- Jaramillo D; See Stark P**
- Jaramillo D:** pathologic African: Medicine interne et echographie (pathology of diseases of Africa: internal medicine and ultrasound imaging), *Radiology* 1987; 162: 442
- Jaramillo D; Allan NK; Raval B:** computed tomography of vaginitis emphysematosa, *JCAT* 1986; 10: 521
- Jaramillo D; Kim EE:** demonstration of a cold abscess by gallium-67 imaging in a patient with Job syndrome, *AJR* 1986; 147: 610
- Jaramillo D; Raval B:** CT diagnosis of primary small-bowel volvulus, *AJR* 1986; 147: 941
- Jardin M; Lemaitre L; Remy J:** narrow superior mediastinum and pseudomasses: CT features, *JCAT* 1986; 10: 603
- Jardin M; Remy J:** control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery, *Radiology* 1988; 168: 377
- Jardin M; Remy J:** segmental bronchovascular anatomy of the lower lobes: CT analysis, *AJR* 1986; 147: 457
- Jardon OM; See Kaplan PA**
- Jarrell BE; See Wechsler RJ**
- Jarritt PH; See Ell PJ**
- Jarvi K; See Vorne M**
- Jasani N; See Sims ME**
- Jaschke W; See Asimakopoulou PA**
- Jaschke W; See Garrett JS**
- Jaschke W; See Ringertz HG**
- Jaschke W; Hoevels J:** control of hepatic tumor hemorrhage by transcatheter embolization with Ethibloc, *Acta Radiol* 1988; 29: 15
- Jaschke WR; Gould RG; Cogan MG;** et al: cine-CT measurement of cortical renal blood flow, *JCAT* 1987; 11: 779
- Jasinski RW; Glazer GM; Francis IR;** et al: CT and ultrasound in abscess detection at specific anatomic sites: a study of 198 patients, *Comput Radiol* 1987; 11: 41
- Jasinski RW; Masselink BA; Partridge RW; Deckinga BG; Bradford PF:** adventitial cystic disease of the popliteal artery, *Radiology* 1987; 163: 153
- Jasinski RW; Smith DC; Chase DR;** et al: angiographic preoperative bowel segment localization using methylene blue, isosulfan blue, and fluorescein, *Invest Radiol* 1987; 22: 462
- Jaspan T; Holland IM; Punt JA:** thoracic spinal canal stenosis, *Neuroradiol* 1987; 29: 217
- Jaspan T; Wilson M; O'Donnell H;** et al: magnetic resonance imaging with even-echo rephasing sequences in the assessment and management of giant intracranial aneurysms, *Br J Radiol* 1988; 61: 351
- Jaspan T; Worthington BS; Holland IM:** comparative study of magnetic resonance imaging and computed tomography-assisted myelography in spinal dysraphism, *Br J Radiol* 1988; 61: 445
- Jasty M; See Milgram JW**
- Jaszczak RJ; See Coleman RE**
- Jaszczak RJ; See Floyd CE Jr**
- Jaszczak RJ; See Manglos SH**
- Jaszczak RJ; Greer KL; Coleman RE:** SPECT using a specially designed cone beam collimator, *J Nucl Med* 1988; 29: 1398
- Jaufman B; See Wagle WA**
- Jaulerry C; See Bataini JP**
- Jaun W-K; See EY EH**
- Javitt MCF; Stein HL; Lovicchio JL:** MRI in staging of endometrial and cervical carcinoma, *Magn Res Imag* 1987; 5: 83
- Javors B; See Farman J**
- Javors BR; Wecksell A; Fagelman D:** Crohn's disease: less common radiographic manifestations, *Radiographics* 1988; 8: 259
- Jawalekar K; See Flickinger JC**
- Jaworski M; Hersh JH; Donat J;** et al: computed tomography of the head in the evaluation of microcephaly, (ab), *Radiology* 1987; 164: 592
- Jay M; See Ogihara I**
- Jayanthi V; Victor S; Dhala B;** et al: pre-operative and post-operative ultrasound evaluation of Budd Chiari syndrome due to coarctation of the inferior vena cava, *Clin Radiol* 1988; 39: 154
- Jayaraman S:** pathways and pitfalls in treatment planning with external beams: the role of the clinical physicist, *Radiographics* 1988; 8: 1147
- Jaysingh LSJ; See Daunt N**
- Jazy FK; See Shehata WM**
- Jean J-P; See Bédard D**
- Jeandot R; See Brendel AJ**
- Jeans SP:** radiological safety: gamma camera flood sources, *Br J Radiol* 1987; 60: 495
- Jeans WD; See McLean L**
- Jeans WD; See Singharoen T**
- Jeans WD; See Wood CH**
- Jeans WD; Danton RM; Baird RN;** et al: comparison of the costs of vascular surgery and balloon dilatation in lower limb ischaemic disease, *Br J Radiol* 1986; 59: 453
- Jeans WD; Danton RM; Baird RN;** et al: effects of introducing balloon dilatation into vascular surgical practice, *Br J Radiol* 1986; 59: 457
- Jeans WD; Mackenzie S; Baird RN:** angiography in transient cerebral ischaemia using three views of the carotid bifurcation, *Br J Radiol* 1986; 59: 135
- Jeanty P; Beck GJ; Chervenak FA;** et al: comparison of sector and linear array scanners for the measurements of the fetal femur, (ab), *Radiology* 1986; 158: 863
- Jeanty P; Cousaert E; de Maertelaer V;** et al: sonographic detection of smoking-related decreased fetal growth, *J Ultrasound Med* 1987; 6: 13
- Jeanty P; Romero R; Staudach A;** et al: facial anatomy of the fetus, *J Ultrasound Med* 1986; 5: 607
- Jeavons A; See Townsend D**
- Jeavons SJ; Siddle KJ; Mitchell C;** et al: evaluation of pre-operative chest x-ray, *Australas Radiol* 1987; 31: 256
- Jederlinic PJ; Sicilian LS; Baigelman W;** et al: congenital bronchial atresia: a report of 4 cases and a review of the literature, (ab), *Radiology* 1987; 164: 589
- Jederlinic PJ; Sicilian LS; Gaensler EA:** chronic eosinophilic pneumonia: a report of 19 cases and a review of the literature, (ab), *Radiology* 1988; 169: 287
- Jeekel J; See Eggermont AM**
- Jeffcoat MK; See Webber RL**
- Jeffers LJ; See Russell E**
- Jeffers LJ; See Serafini AN**
- Jefferson D; See Marsh LF**
- Jeffery PC; Immelman EJ; Harries-Jones P:** popliteal artery entrapment syndrome: report of 2 cases, (ab), *Radiology* 1986; 158: 574
- Jeffrey MA; Nolan DJ:** multiple ileal carcinoid tumours, *Br J Radiol* 1987; 60: 402
- Jeffrey RB Jr; See Barakos JA**
- Jeffrey RB Jr; See Cardozo JD**
- Jeffrey RB Jr; See Carroll CL**
- Jeffrey RB Jr; See Cooper C**
- Jeffrey RB Jr; See Dolmatch BL**
- Jeffrey RB Jr; See Federle MP**
- Jeffrey RB Jr; See Gaensler EHL**
- Jeffrey RB Jr; See Guillaumin E**
- Jeffrey RB Jr; See Helms CA**
- Jeffrey RB Jr; See Hricak H**
- Jeffrey RB Jr; See LaBerge JM**
- Jeffrey RB Jr; See Laing FC**
- Jeffrey RB Jr; See Low RN**
- Jeffrey RB Jr; See Lynch MA**
- Jeffrey RB Jr; See McAninch JW**
- Jeffrey RB Jr; See Nyberg DA**
- Jeffrey RB Jr; See Olsen WL**
- Jeffrey RB Jr; See Orwig DS**
- Jeffrey RB Jr; See Siedler D**
- Jeffrey RB Jr; See Townsend RR**
- Jeffrey RB Jr; See Vernachia FS**
- Jeffrey RB Jr; See Vogel P**
- Jeffrey RB Jr; See Watanabe AT**
- Jeffrey RB Jr; See Wing VW**
- Jeffrey RB Jr:** coaxial technique for CT-guided biopsy of deep retroperitoneal lymph nodes, *Gastrointest Radiol* 1988; 13: 271
- Jeffrey RB Jr:** modified Cope introducer set for rapid insertion of a safety wire, *AJR* 1986; 147: 828
- Jeffrey RB Jr:** modified technique for duodenal intubation, *Radiology* 1988; 169: 873
- Jeffrey RB Jr; Federle MP:** collapsed inferior vena cava: CT evidence of hypovolemia, *AJR* 1988; 150: 431
- Jeffrey RB Jr; Federle MP; Laing FC;** et al: computed tomography of blunt trauma to the gallbladder, *JCAT* 1986; 10: 756
- Jeffrey RB Jr; Federle MP; Tolentino CS:** periappendiceal inflammatory masses: CT-directed management and clinical outcome in 70 patients, *Radiology* 1988; 167: 13
- Jeffrey RB Jr; Grendell JH; Federle MP;** et al: improved survival with early CT diagnosis of pancreatic abscess, *Gastrointest Radiol* 1987; 12: 26
- Jeffrey RB Jr; Laing FC; Lewis FR:** acute appendicitis: high-resolution real-time US findings, *Radiology* 1987; 163: 11
- Jeffrey RB Jr; Laing FC; Schechter WP; Markison RE; Barton RM:** acute suppurative tenosynovitis of the hand: diagnosis with US, *Radiology* 1987; 162: 74
- Jeffrey RB Jr; Laing FC; Townsend RR:** acute appendicitis: sonographic criteria based on 250 cases, *Radiology* 1988; 167: 327
- Jeffrey RB Jr; Laing FC; Wing VW:** extrapancreatic spread of acute pancreatitis: new observations with real-time US, *Radiology* 1986; 159: 707
- Jeffrey RB Jr; Laing FC; Wing VW:** ultrasound in acute pancreatic trauma, *Gastrointest Radiol* 1986; 11: 44
- Jeffrey RB Jr; Nyberg DA; Bottles K;** et al: abdominal CT in acquired immunodeficiency syndrome, *AJR* 1986; 146: 7
- Jeffrey RB Jr; Tolentino CS; Chang FC;** et al: CT of small pyogenic hepatic abscesses: the cluster sign, *AJR* 1988; 151: 487
- Jeffrey RB Jr; Tolentino CS; Federle MP;** et al: percutaneous drainage of periappendiceal abscesses: review of 20 patients, *AJR* 1987; 149: 59
- Jeffs RD; See Nussbaum AR**
- Jehenson P; Duboc D; Lavergne T; Guize L; Guérin F; Degeorges M; Syrota A:** change in human cardiac rhythm induced by a 2-T static magnetic field, *Radiology* 1988; 166: 227
- Jelinek J; Overton TR:** simulation of CT reconstruction artifacts associated with multiple-rotation fan-beam data collection, *Comput Radiol* 1986; 10: 23
- Jelinek JJ; See Mirvis SE**
- Jelmsa RK; See Rice JF**
- Jena A; See Gupta RK**
- Jena A; See Prakash R**
- Jenkins RDT; See Berry MP**
- Jenkins A; See Condon BR**
- Jenkins A; See Hadley DM**
- Jenkins A; See Tegtmeyer CJ**
- Jenkins AD; See Kellum CD**
- Jenkins AD; See Sigman M**
- Jenkins AD; Gillenwater JY:** extracorporeal shock wave lithotripsy in the prone position: treatment of stones in the distal ureter or anomalous kidney, (ab), *Radiology* 1988; 169: 587
- Jenkins HA; See Lipkin AF**
- Jenkins JPR; See Anderson H**
- Jenkins JPR; See Gholkar J**
- Jenkins JPR; See Johnson RJ**
- Jenkins JPR; See Mitchell L**
- Jenkins JPR; See Stack JP**
- Jenkins JPR; Braganza JM; Hickey DS;** et al: quantitative tissue characterisation in pancreatic disease using magnetic resonance imaging, *Br J Radiol* 1987; 60: 333
- Jenkins JPR; Love HG; Foster CJ;** et al: detection of coronary artery bypass graft patency as assessed by magnetic resonance imaging, *Br J Radiol* 1988; 61: 2
- Jenkins RW; See Costello P**
- Jenkins TC; See Ahmed I**
- Jenkins TC; See Silver ARJ**
- Jenni R; Goebel N; Tartini R;** et al: persisting myocardial sinusoids of both ventricles as an isolated anomaly: echocardiographic, angiographic, and pathologic anatomical findings, *Cardiovasc Intervent Radiol* 1986; 9: 127
- Jennings CM; Collins MC:** radiological findings in torsion of an appendix epiploica, *Br J Radiol* 1987; 60: 508
- Jennings CM; Gaines PA:** abdominal manifestation of von Hippel-Lindau disease and a radiological screening protocol for an affected family, *Clin Radiol* 1988; 39: 363
- Jennings CM; Merrill CR; Slater DN:** case report: computed tomographic appearances of benign hepatic hamartoma, *Clin Radiol* 1987; 38: 103
- Jennings SJ; Lerski RA; McRobbie DW;** et al: simulation of patient loading in nuclear magnetic resonance imaging through the use of inductive damping loops, *Br J Radiol* 1986; 59: 1031
- Jenny AB; Biondetti PR; Layton B;** et al: computer and stereotactic surgery in neurological surgery, *Comput Med Imag Graph* 1988; 12: 75
- Jenrette JM III; See Moore L**
- Jensen C; von Sydow C:** radiography and ultrasound in paranasal sinusitis, *Acta Radiol* 1987; 28: 31
- Jensen D; See Larsen TB**
- Jensen DB; Bjerg-Nielsen A; Laursen N:** conventional radiographic examination in the evaluation of sequelae after tibial plateau fractures, *Skeletal Radiol* 1988; 17: 330
- Jensen DJ; See Narayana PA**
- Jensen EL; de Carvalho A:** normal variant simulating Freiberg's disease, *Acta Radiol* 1987; 28: 85
- Jensen H-P; See Koschorek F**
- Jensen J; See Hermansen C**
- Jensen J; See Kewenter J**
- Jensen JE; See Curtin HD**
- Jensen KC; See Seabold JE**
- Jensen KE; See Thomsen C**
- Jensen KE; Grube T; Thomsen C;** et al: prolonged bone marrow T₁-relaxation in patients with polycythemia vera, *Magn Res Imag* 1988; 6: 291
- Jensen LB; See Gjorup T**
- Jensen LI; See Johnsen A**
- Jensen ME; Gullati AN; Laine FJ:** general case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 578
- Jensen ME; Lipper MH:** CT in iatrogenic cerebral air embolism, *AJNR* 1986; 7: 823
- Jensen SR; See Bennett LN**
- Jensen SR; See Voegel DR**
- Jensen SR; Voegel DR; McDermott JC;** et al: lymphatic disruption following abdominal aortic surgery, *Cardiovasc Intervent Radiol* 1986; 9: 199

- Jensen SR; Voegeli DR; McDermott JC; et al: percutaneous management of lymphatic fluid collections. *Cardiovasc Intervent Radiol* 1986; 9: 202
- Jensen VJ See Hvid-Jacobsen K
- Jenyo MS; Komolafe F: tuberculous pathological fracture of the femur in a 15-year-old boy. *Pediatr Radiol* 1986; 16: 260
- Jeon SC See Park JH
- Jeong S See Ikekubo K
- Jequier S See Cramer BC
- Jequier S See Dorne HL
- Jequier S See Kozlowski K
- Jequier S See Mann CI
- Jequier S See Nissenbaum M
- Jequier S See Pedicelli G
- Jequier S; Cramer B; Goodyer P; et al: renal ultrasound in metabolic bone disease. *Pediatr Radiol* 1986; 16: 135
- Jequier S; Cramer B; O'Gorman AM: ultrasound of the spinal cord in neonates and infants. (ab). *Radiology* 1986; 158: 282
- Jequier S; Cramer B; Pettigrew R; et al: ultrasonographic screening of childhood hematuria. *J Canad Assoc Radiol* 1987; 38: 170
- Jequier S; Guttman F; Lafortune M: non-surgical treatment of a congenital splenic cyst. *Pediatr Radiol* 1987; 17: 248
- Jequier S; Kozlowski K: unusual facies, arthrogryposis, advanced skeletal maturation and unique bone changes: a new congenital malformation syndrome. *Pediatr Radiol* 1987; 17: 405
- Jequier S; Rousseau O: sonographic measurements of the normal bladder wall in children. *AJR* 1987; 149: 563
- Jereb-Provič B See Plavšić B
- Jergesen HE See Lang P
- Jernigan TL See Courchesne E
- Jernigan TL See Pfefferbaum A
- Jerushalmi J See Israel O
- Jesmanowicz A See Fronczak W
- Jesmanowicz A See Grist TM
- Jesmanowicz A See Hyde JS
- Jesmanowicz A See Kneeland JB
- Jesmanowicz A See Middleton WD
- Jesmanowicz A; Fronczak W; Grist TM; et al: sectorial loop-gap resonator for ³¹P NMR of the adult human liver at 1.5 T with surface tissue suppression. *Magn Res Med* 1986; 3: 76
- Jesmanowicz A; Fronczak W; Hyde JS: complication in prescan strategy when using surface coils. *Magn Res Med* 1987; 5: 318
- Jessop JD See Nicholson AA
- Jessurun J See Rubenstein S
- Jessurun J; Yardley JH; Giardiello FM; et al: chronic colitis with thickening of the subepithelial collagen layer (collagenous colitis): histopathologic findings in 15 patients. (ab). *Radiology* 1988; 166: 291
- Jette V See Fossa SD
- Jewell SE See Richards MA
- Jewell WR See Krishnan L
- Jewell WR; Krishnan L; Reddy EK; et al: intraoperative implantation radiation therapy plus lumpectomy for carcinoma of the breast. (ab). *Radiology* 1988; 166: 292
- Jex RK; Schaff HV; Piehler JM: repair of ascending aortic dissection: influence of associated aortic valve insufficiency on early and late results. (ab). *Radiology* 1987; 165: 884
- Jha AN See Butler P
- Jha N; McNeese M; Barkley HT Jr; et al: does radiotherapy have a role in hemangiopericytoma management? report of 14 new cases and a review of the literature. *Int J Radiat Oncol Biol Phys* 1987; 13: 1399
- Jhingan SG See Joseph UA
- Jiddane M See Vincentelli F
- Jiddane M See Vion-Dury J
- Jie H See De-en H
- Jimenez JF See Teal LN
- Jimenez MA See Ghahremani GG
- Jiménez-Cruz JF; Tormo FB; Gómez JG: treatment of chronic prostatitis: intraprostatic antibiotic injections under echography control. (ab). *Radiology* 1988; 169: 882
- Jinkins JR: cisternal ventricle. *AJNR* 1988; 9: 111
- Jinkins JR: computed tomography of the cervical lymphatic system: anatomical, functional considerations. *Neuroradiol* 1986; 29: 317
- Jinkins JR: CT findings in complete premature craniostenosis. *Neuroradiol* 1987; 29: 216
- Jinkins JR: dynamic CT of cranio-cervical vascular occlusive disease. *Neuroradiol* 1988; 30: 105
- Jinkins JR: dynamic CT of micro- and macroangiopathic states of the cerebrum. *Neuroradiol* 1988; 30: 22
- Jinkins JR: dynamic CT of tuberculous meningeal reactions. *Neuroradiol* 1987; 29: 343
- Jinkins JR: encephalopathic cerebrovascular steal: dynamic CT of arteriovenous malformations. *Neuroradiol* 1988; 30: 201
- Jinkins JR: focal tuberculous cerebritis. *AJNR* 1988; 9: 121
- Jinkins JR: histiocytosis-X of the hypothalamus: case report and literature review. *Comput Radiol* 1987; 11: 181
- Jinkins JR: invasive basal cell carcinoma with secondary giant mucocoe formation. *Neuroradiol* 1987; 29: 211
- Jinkins JR: large volume full columnar lumbar myelography. *Neuroradiol* 1987; 29: 371
- Jinkins JR: optic hydrops: isolated nerve sheath dilation demonstrated by CT. *AJNR* 1987; 8: 867
- Jinkins JR: optic neurogram: evaluation of CSF "block" caused by compressive lesions at the optic canal. *AJNR* 1987; 8: 135
- Jinkins JR: optic syria: cavernous degeneration of the optic nerve demonstrated by iopamidol optic neurography. *AJNR* 1987; 8: 549
- Jinkins JR: orbital varicose capillary angioma: radiologic description of a distinct vascular entity. *AJNR* 1988; 9: 589
- Jinkins JR: "papilledema": neuroradiologic evaluation of optic disk protrusion with dynamic orbital CT. *AJNR* 1987; 8: 681
- Jinkins JR: posttraumatic ethmoidal pseudomeningoencephalocele. *AJNR* 1987; 8: 649
- Jinkins JR: total upright large volume columnar myelography in pediatric scoliosis. *Neuroradiol* 1987; 29: 200
- Jinkins JR: vidian artery in childhood tonsillar hypertrophy. *AJNR* 1988; 9: 141
- Jinkins JR; Al-Kawi MZ; Bashir R: dynamic computed tomography of cerebral parenchymal tuberculoma. *Neuroradiol* 1987; 29: 523
- Jinkins JR; Bashir R; Al-Kawi MZ; et al: parenchymal CT myelogram: in vivo imaging of the gray matter of the spinal cord. *AJNR* 1987; 8: 979
- Jinkins JR; Chaleby K: acute toxic encephalopathy secondary to bromide sedative ingestion. *Neuroradiol* 1987; 29: 212
- Jinkins JR; Siqueira EB; Al-Kawi MZ: cranial manifestations of aspergillosis. *Neuroradiol* 1987; 29: 181
- Jinkins JR; Siqueira EB; Holoubi A: ruptured middle cerebral aneurysm with accumulation of subarachnoid blood within convexity arachnoid cyst. *Comput Radiol* 1987; 11: 185
- Jinnouchi S See Hoshi H
- Jo S See Akutsu K
- Jo S See Hiraoka M
- Jo S See Nishimura Y
- Joachim CL See Kaye JA
- Jochelson M See Seltzer SE
- Jochelson MS See Stomper PC
- Jodal U See Hellstrom M
- Joel GT See Friberg J
- Joensuu H; Ahonen A: imaging of metastases of thyroid carcinoma with fluorine-18 fluorodeoxyglucose. *J Nucl Med* 1987; 28: 910
- Joffe HS See Buirkis G
- Joffe N See Hall FM
- Joffe F See Puech JL
- Joffe F See Rousseau H
- Johannessen K-A: peripheral emboli from left ventricular thrombi of different echocardiographic appearance in acute myocardial infarction. (ab). *Radiology* 1987; 164: 884
- Johansen HF See Daugaard S
- Johansen JG: demonstration of anterior intervertebral disc herniation by CT. *Neuroradiol* 1987; 29: 214
- Johansen JG: tissue inhomogeneity within lumbar costovertebral foramen. *Neuroradiol* 1987; 29: 406
- Johansen JG; Stenwig JT: paraspinous schwannoma with cystic appearance on CT. *Neuroradiol* 1987; 29: 314
- Johansen LV See Overgaard J
- Johansen TEB; Larmo A: ultrasonography in undescended testes. *Acta Radiol* 1988; 29: 159
- Johansson KJ See Ostling O
- Johansson B See Troell S
- Johansson B; Troell S; Berg U: urographic renal size in acute pyelonephritis in childhood. *Acta Radiol* 1988; 29: 155
- Johansson H See Lennar P
- Johansson K-A See Suntharalingam N
- Johansson K-E See Fransson SG
- Johansson L See Hannerz L
- Johari IA; Bashi SA; Abdullah AK: value of medium-thickness CT in the diagnosis of bronchiectasis. *AJR* 1987; 149: 1133
- John B; Scarbrough EC; Nguyen PD; et al: diverging synecological template for radioactive interstitial/intracavitary implants of the cervix. *Int J Radiat Oncol Biol Phys* 1988; 15: 461
- John MJ; Flam M; Lavallo L; et al: feasibility of non-surgical definitive management of anal canal carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 299
- Johns ME See Zinreich SJ
- Johns PC See Yaffe MJ
- Johns TT See Hartman DS
- Johns WD; Gupta SM; Kayani N: scintigraphic evaluation of polyostotic fibrous dysplasia. *Clin Nucl Med* 1987; 12: 627
- Johnsen A; Jensen LI; Mauritzsen K: balloon-dilatation of esophageal strictures in children. *Pediatr Radiol* 1986; 16: 388
- Johnson SD See Hodak JA
- Johnson AC See Jolles H
- Johnson AR See Reising JW
- Johnson AR; Ros FR; Hjermstad BM: tailgut cyst: diagnosis with CT and sonography. *AJR* 1986; 147: 1309
- Johnson B See Mittal BB
- Johnson BE See De Smet AA
- Johnson C See Sze G
- Johnson CD See Brandt DJ
- Johnson CD See Utz JA
- Johnson CD; Baker ME; Rice RP; et al: diagnosis of acute colonic diverticulitis: comparison of barium enema and CT. *AJR* 1987; 148: 541
- Johnson CD; Dunnick NR; Cohen KH; et al: renal adenocarcinoma: CT staging of 100 tumors. *AJR* 1987; 148: 59
- Johnson CD; Oke EJ; Dunnick NR; et al: percutaneous balloon dilatation of ureteral strictures. *AJR* 1987; 148: 181
- Johnson CE See Russell EJ
- Johnson CE; DeLaz BF; Shurin PA; et al: renal ultrasound evaluation of urinary tract infections in children. (ab). *Radiology* 1987; 164: 888
- Johnson CM III See Sistiom CL
- Johnson DA See Drane WE
- Johnson DA See Karvelis KC
- Johnson DE See Blacher E
- Johnson DE See Zagars GK
- Johnson DH See Sherry MM
- Johnson DL See Levy LM
- Johnson DL; Fitz C; McCullough DC; et al: perimeganglioma cistern obliteration: a CT sign of life-threatening shunt failure. (ab). *Radiology* 1987; 162: 295
- Johnson ED See Zeligman BE
- Johnson ES See Blom R
- Johnson EW Jr See Merkel KD
- Johnson F See Vas W
- Johnson G See Eidelberg D
- Johnson G; Miller DH; MacManus D; et al: STIR sequences in NMR imaging of the optic nerve. *Neuroradiol* 1987; 29: 238
- Johnson G; Ormerod IEC; Barnes D; et al: accuracy and precision in the measurement of relaxation times from nuclear magnetic resonance images. *Br J Radiol* 1987; 60: 143
- Johnson G; Tofts PS: multiline chemical-shift (MULCH) imaging. *Magn Res Med* 1988; 6: 107
- Johnson GA See Bone SN
- Johnson GA See Drayer BP
- Johnson GA See Hedlund LW
- Johnson GA See Hollett MD
- Johnson GA See McAdams HF
- Johnson GA See Sherrier RH
- Johnson GA See Stude RA
- Johnson GA; Thompson MB; Drayer BP: three-dimensional MRI microscopy of the normal rat brain. *Magn Res Med* 1987; 4: 351
- Johnson GF See Unger FM
- Johnson GS See Attum AA
- Johnson HW; Gleave M; Coleman GU; et al: neonatal renomegaly. (ab). *Radiology* 1988; 167: 296
- Johnson J See Fink-Bennett D
- Johnson J See Holloway H
- Johnson J See Vicks BS
- Johnson J; Hillman BJ: uterine duplication, unilateral imperforate vagina, and normal kidneys. *AJR* 1986; 147: 1197
- Johnson JA See Lee KR
- Johnson JA See Weaver GR
- Johnson JA; Christie MJ; Sandler MP; et al: detection of occult infection following total joint arthroplasty using sequential technetium-99m HDP bone scintigraphy and indium-111 WBC imaging. *J Nucl Med* 1988; 29: 1347
- Johnson JB Jr See Brown DL
- Johnson JD See Chun CH
- Johnson JE; Yang PJ; Seeger JF; et al: vertical fracture of the odontoid: CT diagnosis. *JCAT* 1986; 10: 311
- Johnson JF See Kelly RB
- Johnson JF; Coughlin WF; Pearson JT; Hilli RB; Huang Y-C: segmental intestinal muscular thinning: a possible cause of intestinal obstruction in the newborn. *Radiology* 1987; 165: 659
- Johnson JF; Shields WE II: ileocolic intussusception: hydrostatic reduction in the presence of the dissection sign. *Pediatr Radiol* 1986; 16: 514
- Johnson JF; Woisard KK; Cooper GL: diffuse neonatal gastric infarction. *Pediatr Radiol* 1988; 18: 161
- Johnson K See Edelman RR
- Johnson KA See Brown ML
- Johnson KA See Kuhn MJ
- Johnson KA See Nagel JS
- Johnson KA; Davis KR; Buonanno FS; et al: comparison of magnetic resonance and roentgen ray computed tomography in dementia. (ab). *Radiology* 1988; 167: 295

Johnson

- Johnson KA; Mueller ST; Walshe TM; et al: cerebral perfusion imaging in Alzheimer's disease: use of single photon emission computed tomography and iofetamine hydrochloride I 123, (ab), Radiology 1987; 164: 592
- Johnson KM See Markowitz RI
- Johnson KM; Horvath LJ; Gaisie G; Mesrobian HG; Koepke JF; Askin FB: Wilms tumor occurring as a botryoid renal pelvicalyceal mass, Radiology 1987; 163: 385
- Johnson LA; Polja JP: follicular adenocarcinoma arising in a thyroglossal duct remnant, Clin Nucl Med 1988; 13: 378
- Johnson LB: importance of early diagnosis of acute acalculous cholecystitis, (ab), Radiology 1987; 164: 588
- Johnson LL See Oestmann JW
- Johnson MA See Dubowitz LMS
- Johnson MA See Hirji MK
- Johnson MA; Hirji MK; Hennig RC; Williams D: pericardial abscess: diagnosis using two-dimensional echocardiography and CT, Radiology 1986; 159: 419
- Johnson MA; Pennock JM; Bydder GM; et al: serial MR imaging in neonatal cerebral injury, AJNR 1987; 8: 83
- Johnson MB See Barakos JA
- Johnson MB See Ralls PW
- Johnson MH See Zimmerman RA
- Johnson MH; DeFilipp GJ; Zimmerman RA; et al: scleral inflammatory disease, AJNR 1987; 8: 861
- Johnson MR; Brayden GP; Erickson EE; et al: changes in cross-sectional area of the coronary lumen in the six months after angioplasty: quantitative analysis of the variable response to percutaneous transluminal angioplasty, (ab), Radiology 1986; 160: 574
- Johnson MZ See Blane CE
- Johnson ND: atlas of pediatric orthopedic radiology, Radiology 1986; 161: 358
- Johnson ND: pediatric neurosonography: clinical, tomographic, and neuropathologic correlates, Radiology 1986; 160: 236
- Johnson ND; Wood BP; Jackman KV: complex infantile and congenital hip dislocation: assessment with MR imaging, Radiology 1988; 168: 151
- Johnson PM See Epenetos AA
- Johnson RF Jr See Ahmad M
- Johnson RJ See Bertino RE
- Johnson RJ See Bradley N
- Johnson RJ See Gould M
- Johnson RJ See Pilepich MV
- Johnson RJ; Jenkins JPR; Isherwood I; et al: quantitative magnetic resonance imaging in rectal carcinoma, Br J Radiol 1987; 60: 761
- Johnson RL; Anderson JC; Isrik RD; et al: duplex ultrasound diagnosis of umbilical cord prolapse, JCU 1987; 15: 282
- Johnson RL; Lieberman RP; Kaplan PA; et al: silicone rubber catheter venography using standard angiographic techniques, Cardiovasc Intervent Radiol 1988; 11: 45
- Johnson S See Castaneda F
- Johnson SK See Trisolini MG
- Johnson T See Boudreau RJ
- Johnson T See Peters LJ
- Johnson WC See Gale ME
- Johnson WC; Gale ME; Gerzof SG; et al: role of computed tomography in symptomatic aortic aneurysms, (ab), Radiology 1986; 160: 287
- Johnson WD See Brenowitz JB
- Johnsrude IS See Roehm JOF Jr
- Johnsson L-G See Palva T
- Johnston D See Fairclough J
- Johnston DL See Rokey R
- Johnston DL; Liu P; Lauffer RB; et al: use of gadolinium-DTPA as a myocardial perfusion agent: potential applications and limitations for magnetic resonance imaging, J Nucl Med 1987; 28: 871
- Johnston DL; Thompson RC; Liu P; et al: magnetic resonance imaging during acute myocardial infarction, (ab), Radiology 1986; 161: 861
- Johnston GS See Rosenbaum RC
- Johnston IDA See Bellamy EA
- Johnston KW See Morin JF
- Johnston KW See Poots JK
- Johnston KW; Rae M; Hogg-Johnson SA; et al: prospective study of percutaneous transluminal angioplasty, (ab), Radiology 1988; 167: 294
- Johnston RE See Pizer SM
- Johnston WK See Colapinto RF
- Johnston WW See Linder J
- Johnston WW See Szpak CA
- Johnston WW; Szpak CA; Lottich SC; et al: use of a monoclonal antibody (B7.2.3) as a novel immunohistochemical adjunct for the diagnosis of carcinomas in fine needle aspiration biopsy specimens, (ab), Radiology 1986; 161: 864
- Johnstone MR See Yoshida SO
- Johny KV See Nawaz MK
- Johnsen T See Kawashima A
- Joiner MC See Carl UM
- Jokich MD See Kahn CE Jr
- Jolesz F See Wang A-M
- Jolesz FA See Brooks ML
- Jolesz FA See Fried R
- Jolesz FA See Polak JF
- Jolesz FA; Bleier AR; Jakab P; Ruenzel PW; Huttli K; Jako GJ: MR imaging of laser-tissue interactions, Radiology 1988; 168: 249
- Jolesz FA; Patz S: clinical experience with rapid 2DFT SSFP imaging at low field strength, Magn Res Imag 1988; 6: 397
- Jolesz FA; Patz S; Hawkes RC; et al: fast imaging of CSF flow/motion patterns using steady-state free precession (SSFP), Invest Radiol 1987; 22: 761
- Jolesz FA; Polak JF; Adams DF; Ruenzel PW: myelinated and nonmyelinated nerves: comparison of proton MR properties, Radiology 1987; 164: 89
- Jolles CJ; Freedman RS; Hamberger AD; et al: complications of extended-field therapy for cervical carcinoma without prior surgery, Int J Radiat Oncol Biol Phys 1986; 12: 179
- Jolles H See Eli SR
- Jolles H See Stanford W
- Jolles H; Henry DA; Rupp SB: general case of the day, annual meeting, 1987, Radiographics 1988; 8: 1227
- Jolles H; Johnson AC; Eli SR: subcutaneous calcifications masquerading as pulmonary lesions in long-term hemodialysis, review of nodular pulmonary opacities in the population undergoing hemodialysis, (ab), Radiology 1986; 158: 566
- Jolles P See Jamieson D
- Jolles PR See Shin MS
- Jolles PR; Shin MS; Jones WF: aortopulmonary window lesions: detection with chest radiography, Radiology 1986; 159: 647
- Jones A See Adams H
- Jones A: complicated case of appendicitis, Clin Radiol 1986; 37: 407
- Jones AG See Holman BL
- Jones B See Fishman EK
- Jones B See Greenstein S
- Jones B See Greyson-Fleg RT
- Jones B See Merline US
- Jones B See Orel SG
- Jones B See Ptasznik J
- Jones B See Rubenstein SE
- Jones B See Yousem DM
- Jones B; Donner MW: examination of the patient with dysphagia, Radiology 1988; 167: 319
- Jones B; Fishman EK; Hamilton SR; et al: submucosal accumulation of fat in inflammatory bowel disease: CT/pathologic correlation, JCAT 1986; 10: 759
- Jones B; Fishman EK; Kramer SS; et al: computed tomography of gastrointestinal inflammation after bone marrow transplantation, AJR 1986; 146: 691
- Jones B; Hamilton SR; Rubenstein SE; et al: granular small bowel mucosa: reflection of villous abnormality, Gastrointest Radiol 1987; 12: 219
- Jones B; Kramer SS; Saral R; et al: gastrointestinal inflammation after bone marrow transplantation: graft-versus-host disease or opportunistic infection?, AJR 1988; 150: 277
- Jones BA; Salsburg BB; Bohnen JM; et al: common pancreaticobiliary channels and their relationship to gallstone size in gallstone pancreatitis, (ab), Radiology 1987; 164: 588
- Jones BE; Hoffer FA; Teele RL; et al: compound renal pyramid: normal hypoechoic region on the pediatric sonogram, J Ultrasound Med 1987; 6: 515
- Jones CV See Cole FH Jr
- Jones D See Bush WH
- Jones D; Hafermann MD: radiolucent bite-block apparatus, Int J Radiat Oncol Biol Phys 1987; 13: 129
- Jones D; Hanelin L; Christopherson D; et al: radiotherapy treatment planning using lymphoscintigraphy, Int J Radiat Oncol Biol Phys 1986; 12: 1707
- Jones DA; Nottley HM; Hunter RD: geometry adopted by Manchester radium applicators and Selectron afterloading applicators in intracavitary treatment for carcinoma cervix uteri, Br J Radiol 1987; 60: 481
- Jones DA; Stout R: results of intracavitary radium treatment for adenocarcinoma of the body of the uterus, Clin Radiol 1986; 37: 169
- Jones DC See Russell AH
- Jones DG See Shrimpton PC
- Jones DK; Godden D; Cavanagh P: alpha-1-antitrypsin deficiency presenting as bronchiectasis, (ab), Radiology 1986; 158: 281
- Jones DR See Griffiths GJ
- Jones E See Quinn SF
- Jones EL See Cheung EH
- Jones GS Jr; Livni E; Strauss HW; et al: synthesis and biologic evaluation of 1-¹¹C-3,3-dimethylheptadecanoic acid, J Nucl Med 1988; 29: 68
- Jones H See Sartoris DJ
- Jones J See Rigor VU
- Jones JD III See Nokes SR
- Jones JE See Phillips CD
- Jones JP See Kogutt MS
- Jones K See Lindberg RD
- Jones KM See Bauer BS
- Jones KR; Robinson PJ: organ volume determination by CT scanning: reduction of respiration-induced errors by feedback monitoring, JCAT 1986; 10: 167
- Jones L See Bamford J
- Jones L See McKinstry CS
- Jones M: brain CT: introduction, Radiology 1986; 161: 766
- Jones M: clinical computed tomography: illustrated procedural guide, Radiology 1986; 161: 646
- Jones M: color atlas of anatomy: photographic study of the human body, Radiology 1987; 162: 96
- Jones M: magnetic resonance imaging: principles and applications, Radiology 1987; 162: 72
- Jones M: radiology of adverse drug reactions and toxic hazards, Radiology 1987; 162: 20
- Jones M: radiology of liver circulation, Radiology 1986; 161: 690
- Jones MD See Nussbaum AR
- Jones MD: Radiological Society of North America, 74th scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Radiology 1988; 168: 576
- Jones MD; Heitzman ER: RSNA today, Radiology 1986; 161: 276
- Jones MD; Siegelman SS: note of thanks, Radiology 1988; 169: 866
- Jones MM; Moore WH; Brewer EJ; et al: radionuclide bone/joint imaging in children with rheumatic complaints, Skeletal Radiol 1988; 17: 1
- Jones N See Hill LM
- Jones PL See Sands H
- Jones RA See Norris DG
- Jones RA See Redpath TW
- Jones RF; et al See Nelp WB
- Jones RH See Purut CM
- Jones RH: use of radionuclide measurements of left ventricular function for prognosis in patients with coronary artery disease, Semin Nucl Med 1987; 17: 95
- Jones RS See Schirmer BD
- Jones RSJ See Newman GH
- Jones RT See Silverstein AM
- Jones S See Conry BG
- Jones SN See Coral A
- Jones SN; Lees WR; Frost RA: diagnosis and grading of chronic pancreatitis by morphological criteria derived by ultrasound and pancreatography, Clin Radiol 1988; 39: 43
- Jones TB See Braver JM
- Jones WA: beware the sprained wrist: the incidence and diagnosis of scapholunate instability, (ab), Radiology 1988; 169: 293
- Jones WP See Jolles PR
- Jones WP; Keller FS; Odreizin GT; et al: venous hemangioma of the gallbladder, Gastrointest Radiol 1987; 12: 319
- Jong R See Baines CJ
- Jongearn HTM; van der Kogel AJ; Provoost AP; et al: radiation nephropathy in young and adult rats, Int J Radiat Oncol Biol Phys 1987; 13: 225
- Jongeward R See McCracken S
- Jongeward RH Jr See Bowerman RA
- Jonson B See Valind SO
- Jonson R; Ahlberg J; Mattsson S; et al: patient exposure when using ^{99m}Tc-DTPA for evaluation of cerebrospinal fluid shunt patency, Acta Radiol 1988; 29: 378
- Jonson R; Roos B; Hansson T: bone mineral measurement with a continuous roentgen ray spectrum and a germanium detector, Acta Radiol 1986; 27: 105
- Jonsson E See Egund N
- Jonsson K See Bergqvist D
- Jonsson K See Weibull H
- Jonsson N See Ivancev K
- Joo KG; Baumeier GR: parathyroid cyst with adenoma on thallium-201/technetium-99m subtraction imaging, Clin Nucl Med 1987; 12: 319
- Joosten E See Van Steenberghe W
- Jordan JM; Rowe WT; Allen NB: Wegener's granulomatosis involving the breast: report of three cases and review of the literature, (ab), Radiology 1988; 166: 588
- Jordan S See Lufkin R
- Jordan SC See Bulinski G
- Jorgensen C See Andolf E
- Jorgensen C; Ingemarsson I; Svalenius E; et al: ultrasound measurement of the fetal cerebral ventricles: prospective, consecutive study, JCU 1986; 14: 185

- Jørgensen JJ; Stranden E; Gjøllberg T: hemodynamic effect of percutaneous transluminal angioplasty for lower limb atherosclerosis: a study based on pulsed Doppler ultrasound flowmetry. *Acta Radiol* 1987; 28: 761
- Jørgensen K See Overgaard J
- Jorizzo JR; Amparo EG: MR imaging of blue rubber bleb nevus syndrome. *JCAT* 1986; 10: 686
- Jorkasky DK See Allen KS
- Jormark S See Danoff A
- Jorulf H See Jacobson BF
- Jose B See Wilson DL
- Joseph AE See de Gonzalez EL
- Joseph AEA See Belli A-M
- Joseph AEA See Creagh-Barry M
- Joseph AEA See Tilley EA
- Joseph AE See Wilson AG
- Joseph BJ See Schwimer SR
- Joseph N See Mendelson EB
- Joseph N; Levy E; Lipman S: angioplasty-related iliac artery rupture: treatment by temporary balloon occlusion. *Cardiovasc Intervent Radiol* 1987; 10: 276
- Joseph PM See Gomori JM
- Joseph PM See Grossman RI
- Joseph PM See Hackney DB
- Joseph PM See Kundel HL
- Joseph PM See Mitchell DG
- Joseph PM See Wolf GL
- Joseph PM; Shetty A: comparison of selective saturation and selective echo chemical shift imaging techniques. *Magn Res Imag* 1988; 6: 421
- Joseph PM; Summers RM: flip-angle effect: method for detection of sodium-23 quadrupole splitting in tissue. *Magn Res Med* 1987; 4: 67
- Joseph UA; Jhingran SG: technetium-99m labeled RBC imaging in gastrointestinal bleeding from gastric leiomyoma. *Clin Nucl Med* 1988; 13: 23
- Joseph UA; Jhingran SG: technetium-99m labeled red blood cells in the evaluation of hemangiosarcoma. *Clin Nucl Med* 1987; 12: 845
- Josephsen L; Josephsen P; Bitsch KR: agenesis of the lung. *Pediatr Radiol* 1986; 16: 334
- Josephsen P See Josephsen L
- Joshi MS: ultrasound in India. *JCU* 1987; 15: 561
- Joslin C See Wilson JF
- Joslyn JN See Allen RF
- Joslyn JN See Gellad FE
- Joslyn JN See Mirvis SE
- Joslyn JN; Mirvis SE; Markowitz B: complex fractures of the clavus: diagnosis with CT and clinical outcome in 11 patients. *Radiology* 1988; 166: 817
- Jost RG See Arenson RL
- Jost RG See Greene R
- Jost RG: monitoring department efficiency and quality. *Radiol Clin North Am* 1986; 24: 27
- Jost RG: radiology reporting. *Radiol Clin North Am* 1986; 24: 19
- Joupila P: clinical consequences after ultrasonic diagnosis of intrauterine hematomas in threatened abortion. (ab). *Radiology* 1986; 158: 287
- Journel H; Roussey M; Gandon Y; et al: magnetic resonance imaging in Pelizaeus-Merzbacher disease. *Neuroradiol* 1987; 29: 403
- Jovkar S See Matsuda H
- Joyce JM; Keats TE: disuse osteoporosis: mimic of neoplastic disease. *Skeletal Radiol* 1986; 15: 129
- Judd D See Compston JE
- Judin A See Rabkin I
- Judy PF See Seltzer SE
- Jue R See Halpern SE
- Jue T; Lohman JAB; Ordridge RJ; et al: natural abundance ^{13}C NMR spectrum of glycogen in humans. *Magn Res Med* 1987; 5: 377
- Juenemann P See Boudreau RJ
- Juillard GJF See Gordon PS
- Julian BA See Windus DW
- Julian S See Moeser PM
- Julsrud PR See Alboliras ET
- Julsrud PR: congenital heart disease: gated MR imaging in 72 patients. *Radiology* 1986; 161: 277
- Juma N; Andruy T; Ege GN: comparison as a lymphoscintigraphic agent between technetium 99m dextran and technetium 99m antimony sulphide colloid. (ab). *Radiology* 1986; 158: 288
- Junk L; Marshall WH: fatal brain edema after contrast-agent overdose. *AJNR* 1986; 7: 522
- Jung B See Hemmingson A
- Jung B; Ericsson A; Hemmingson A; et al: magnetic resonance imaging with maximum contrast between two selected tissues composed of recordings with three repetition times. *Acta Radiol* 1988; 29: 140
- Jung D See Staple TW
- Jung JF See Hoeftel JC
- Jung KJ See Kim YS
- Jung M See Koppensteiner R
- Jungreis CA; Berenstein A; Choi IS: use of an open-ended guidewire: steerable microguidewire assembly system in surgical neuroangiographic procedures. *AJNR* 1987; 8: 237
- Jungreis CA; Chandra R; Kricheff I; et al: in vitro magnetic resonance properties of CNS neoplasms and associated cysts. *Invest Radiol* 1988; 23: 12
- Jungreis CA; Cohen WA: spinal cord compression induced by steroid therapy: CT findings. *JCAT* 1987; 11: 245
- Jungreis CA; Kanal E; Hirsch WL; Martinez AJ; Mooney J: normal perivascular spaces mimicking lacunar infarction: MR imaging. *Radiology* 1988; 169: 101
- Juni JE See Arinstein NB
- Juni JE See Brown PH
- Juni JE See Von Moll LK
- Juni JE; Chen CC: effects of gating modes on the analysis of left ventricular function in the presence of heart rate variation. *J Nucl Med* 1988; 29: 1272
- Juniper RP See Lott CW
- Junkermann H See Teubner J
- Juodis E See Stringer DA
- Jurik AG See de Carvalho A
- Jurik AG; Justesen T; Graudal H: radiographic findings in patients with clinical Tietze syndrome. *Skeletal Radiol* 1987; 16: 517
- Jurik AG; Møller BN: inflammatory hyperostosis and sclerosis of the clavicle. *Skeletal Radiol* 1986; 15: 284
- Jurik AG; Møller SH; Mosekilde L: chronic sclerosing osteomyelitis of the iliac bone. etiological possibilities. *Skeletal Radiol* 1988; 17: 114
- Jurkovic D See Kurjak A
- Jurkovic D; Kurjak A; Alfirevic Z; et al: ultrasound diagnosis of combined intrauterine and extrauterine pregnancy. *JCU* 1988; 16: 259
- Just H; Holubarsch C; Friedburg H: estimation of left ventricular volume and mass by magnetic resonance imaging: comparison with quantitative biplane angiocardiology. *Cardiovasc Intervent Radiol* 1987; 10: 1
- Just M; Higer HP; Betting O; et al: MRI in cranial tuberculosis. *Eur J Radiol* 1987; 7: 276
- Just M; Higer HP; Pfannenstiel P: errors in T₂ determination using multislice technique and Gaussian slice profiles. *Magn Res Imag* 1988; 6: 53
- Just M; Higer HP; Schwarz M; et al: tissue characterization of benign brain tumors: use of NMR-tissue parameters. *Magn Res Imag* 1988; 6: 463
- Just M; Kramer G; Higer HP; et al: MRI of Listeria rhombencephalitis. *Neuroradiol* 1987; 29: 401
- Just M; Thelen M: tissue characterization with T₁, T₂, and proton density values: results in 160 patients with brain tumors. *Radiology* 1988; 169: 779
- Just N See Dorne HL
- Just NWM See Kienzie GD
- Just S See Rossen B
- Justesen F See Andersen PE Jr
- Justesen F See Nielsen DT
- Justesen F See Rasmussen F
- Justesen T See Jurik AG
- Justich E See Terrier F
- Justiniano J See Herrera-Ornelas L
- Juttijudata P; Palavattana C; Chiemchaisri C; et al: accuracy of percutaneous transhepatic cholangiography (P.T.C.) using the Chiba needle in the diagnosis of level and cause of cholestasis. *Australas Radiol* 1986; 30: 24
- Juul N See Sehested M

K

- Kaack MB See Puyan FA
- Kaalhus O See Borthine A
- Kaalhus O See Sager EM
- Kaalhus O See Vermund H
- Kääriäinen H; Jääskeläinen J; Kivisaari L; et al: dominant and recessive polycystic kidney disease in children: classification by intravenous pyelography, ultrasound, and computed tomography. *Pediatr Radiol* 1988; 18: 45
- Kabala J See Bell J
- Kabala JE; Wilde P: measurement of heart size in the antero-posterior chest radiograph. *Br J Radiol* 1987; 60: 981
- Kabalka GW; Buonocore E; Hubner K; et al: gadolinium-labeled liposomes containing paramagnetic amphipathic agents: targeted MRI contrast agents for the liver. *Magn Res Med* 1988; 8: 89
- Kabalka GW; Buonocore E; Hubner K; Moss T; Norley N; Huang L: gadolinium-labeled liposomes: targeted MR contrast agents for the liver and spleen. *Radiology* 1987; 163: 255
- Kabat L See Schiff RG
- Kable WT See Forrest TS
- Kabuto H See Ueno K
- Kacel N See Dubos JP
- Kachel R; Endert G; Basche S; et al: percutaneous transluminal angioplasty (dilatation) of carotid, vertebral, and innominate artery stenoses. *Cardiovasc Intervent Radiol* 1987; 10: 142
- Kaczmarek RC; Bednarek DR; Wong R; Kaczmarek RV; Rudin S; Alker G: potential radiation hazards to personnel during dynamic CT. *Radiology* 1986; 161: 853
- Kaczmarek RV See Kaczmarek RG
- Kaczmarek CJ See Ames MD
- Kadam S See Anwar M
- Kadar N; Romero R: abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels. *Radiology* 1986; 161: 854
- Kader HA; Bolger JJ; Goepel JR: case report: bilateral pneumothorax secondary to metastatic angiosarcoma of the breast. *Clin Radiol* 1987; 38: 201
- Kadir S See Kinnison ML
- Kadir S See Murray RR Jr
- Kadir S See Redmond PL
- Kadir S See Shuman L
- Kadir S See Warren LP
- Kadir S; Gadacz TR: adjuncts and modifications to basket retrieval of retained biliary calculi. *Cardiovasc Intervent Radiol* 1987; 10: 295
- Kadir S; Kauffmann GW: technical note: percutaneous transhepatic removal of biliary endoprostheses using a snare. *Cardiovasc Intervent Radiol* 1988; 11: 39
- Kadir S; White RI Jr: biliary stricture dilatation: multicenter review of clinical management in 73 patients. *Radiology* 1987; 162: 286
- Kadish SP: radiotherapy treatment planning. 2d ed. *Radiology* 1986; 159: 222
- Kadota T; Imakita S; Mitomo M; et al: metastatic brain tumor of atrial myxoma. *Neuroradiol* 1987; 29: 218
- Kadouri A See Neeman M
- Kadoya I See Ohno T
- Kadoya M See Matsui O
- Kadoya S; Nakamura T; Kobayashi S; et al: magnetic resonance imaging of acute spinal cord injury: report of three cases. *Neuroradiol* 1987; 29: 252
- Kaebnick HW See Lipchik EO
- Kaffenberger DA; Shah CP; Murtagh FK; et al: MR imaging of spinal cord hemangioblastoma associated with syringomyelia. *JCAT* 1988; 12: 495
- Kaftori JK; Kleinhaus U; Naveh Y: progressive diaphyseal dysplasia (Camurati-Engelmann): radiographic follow-up and CT findings. *Radiology* 1987; 164: 777
- Kaftori JK; Fery M; Green J; et al: thickness of the gallbladder wall in patients with hypoalbuminemia: a sonographic study of patients on peritoneal dialysis. *AJR* 1987; 148: 1117
- Kagan AR See Benton JR
- Kagan AR See Mink JH
- Kagan AR: computers in radiotherapy and oncology. *Radiology* 1986; 158: 530
- Kagan AR; Steckel RJ: clear cell sarcoma of the kidney: renal tumor of childhood that metastasizes to bone. *AJR* 1986; 146: 64
- Kagan AR; Steckel RJ: radiologic contributions to cancer management. *AJR* 1986; 147: 473
- Kagan AR; Steckel RJ; Bassett LW; et al: radiologic contributions to cancer management. *AJR* 1986; 147: 305
- Kagan AR; Steckel RJ; Weiner M; et al: imaging techniques: metastases and tumor extension in the abdomen. *AJR* 1987; 148: 1123
- Kagan E See Rockoff SD
- Kagawa M See Touho H
- Kagen S; Rafii M; Kramer EL: focal uptake on bone imaging in an asymptomatic Schmorl's node. *Clin Nucl Med* 1988; 13: 615
- Kagetsu NJ; Zulauf DRP; Ablow RC: clinical trial of digital tele-radiology in the practice of emergency room radiology. *Radiology* 1987; 165: 551
- Kahan B See Kim EE
- Kahanovitz N See Onik G
- Kahan HL See Mafee MF
- Kahlstrom EJ See Marks MP
- Kahn CE Jr; Messersmith RN; Jokich MD: PHOENIX: an expert system for selecting diagnostic imaging procedures. *Invest Radiol* 1987; 22: 978
- Kahn CE Jr; Ryan JW; Hatfield MK; et al: combined bone marrow and gallium imaging: differentiation of osteomyelitis and infarction in sickle hemoglobinopathy. *Clin Nucl Med* 1988; 13: 443
- Kahn D; Wilson MA: bone scintigraphic findings in patellar tendonitis. *J Nucl Med* 1987; 28: 1768
- Kahn D; Wilson DG: clinically significant bleeding in breast tissue identified by erythrocyte scintigraphy. *Clin Nucl Med* 1987; 12: 973

- Kahn J See Urano M
 Kahn LB See Stevens PG
 Kahn RI: endourological treatment of ureteral calculi, (ab), *Radiology* 1986; 160: 285
 Kahn RI: percutaneous antegrade indwelling silicone stent, (ab), *Radiology* 1988; 169: 588
 Kahnoski RJ; Lingeman JE; Cowry TA; et al: combined percutaneous and extracorporeal shock wave lithotripsy for staghorn calculi: an alternative to anastrophic nephrolithotomy, (ab), *Radiology* 1986; 160: 857
 Kai H; Matsufuji H; Okudaira Y; et al: heat, drugs, and radiation given in combination is palliative for unresectable esophageal cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 1147
 Kalin H See Weisell M
 Kaiser DL See Brenbridge AN
 Kaiser GC: CABG: lessons from the randomized trials, (ab), *Radiology* 1987; 162: 293
 Kaiser JA See Mali JC
 Kaiser LR See Keller SM
 Kaiser MC See Castellino JA
 Kaiser MC See de Siegle RGM
 Kaiser MC See Taets van Amerongen AHM
 Kaiser MC; Capelus P; Veiga-Pires JA; et al: recognition of gas-containing disc herniation on lateral CT-scoutview, *Neuroradiol* 1987; 29: 98
 Kaiser W See Zeitler E
 Kaiser WA See Laub GA
 Kaiser L; Fishell EK; Hunt JW; et al: ultrasonographically defined parenchymal patterns of the breast: relationship to mammographic patterns and other risk factors for breast cancer, *Br J Radiol* 1988; 61: 118
 Kaj R; Kanko S; Timo T; et al: arteriography in evaluating vascularized bone graft in the hip joint, *Australas Radiol* 1988; 32: 251
 Kajanti M; Karkinen-Jääskeläinen M; Rissanen P: primary gastrointestinal non-Hodgkin lymphoma: a review of 36 cases, *Acta Oncol* 1988; 27: 51
 Kajita T See Yoshinaka H
 Kajita A See Sato T
 Kajura Y See Akine Y
 Kajura Y See Tsukiyama I
 Kajiwara T See Honda H
 Kajubi S See Lee HK
 Kak VK See Khosla VK
 Kak VK See Sharma BS
 Kakaria A See Bhargava S
 Kakagawa T See Machi J
 Kakazono F See Yokoyama N
 Kakkishta M See Aso M
 Kakkasertil JS; Cranley JJ; Arbaugh JJ; et al: efficacy of low-dose streptokinase in acute arterial occlusion and graft thrombosis, (ab), *Radiology* 1986; 158: 282
 Kalantar MS See Jacobson BF
 Kalash SS; Young JD Jr: serious complications associated with percutaneous nephrolithotomy, (ab), *Radiology* 1987; 164: 589
 Kalchbrenner M; Weiner S; Templeton J; et al: prenatal ultrasound diagnosis of thoracopagus conjoined twins, *JCU* 1987; 15: 59
 Kaleb P See Jacobson M
 Kaleb P; Jacobson M; Albrektsson T; et al: bone healing following irradiation during tourniquet ischaemia, *Acta Oncol* 1987; 26: 63
 Kalemeris GC See Fleischer AC
 Kalend A See Vees RJ
 Kalender W See Louis O
 Kalender WA See Walter E
 Kalender WA; Brestowsky H; Felsenberg D: bone mineral measurement: automated determination of midvertebral CT section, *Radiology* 1988; 168: 219
 Kalender WA; Hebel R; Ebersberger J: reduction of CT artifacts caused by metallic implants, *Radiology* 1987; 164: 576
 Kalender WA; Klotz E; Sues C: vertebral bone mineral analysis: an integrated approach with CT, *Radiology* 1987; 164: 419
 Kalet IJ See Haynor DR
 Kalet IJ; Kennedy DR: comparison of two radiological path length algorithms, *Int J Radiat Oncol Biol Phys* 1987; 13: 1957
 Kalibash AJ See Stephanadis C
 Kalifa C See Vanel D
 Kalifa GL; Chiron C; Sellier N; Demange P; Ponsot G; Lalonde G; Robain O: hemimegalencephaly: MR imaging in five children, *Radiology* 1987; 165: 29
 Kalinke T See Turski P
 Kall BA See Earnest F IV
 Kallay MC See Poe RH
 Kallinowski F See Groebe K
 Kallioinen M See Pääväsalo M
 Kallman RF See Dorie MJ
 Kallman RF See Tanabe M
 Kallman RF; Dorie MJ: tumor oxygenation and reoxygenation during radiation therapy: their importance in predicting tumor response, *Int J Radiat Oncol Biol Phys* 1986; 12: 681
 Kalman PG; Sniderman KW: salvage of in situ femoropopliteal and femorotibial saphenous vein bypass with interventional radiology, (ab), *Radiology* 1988; 169: 292
 Kalnicki S; Zide A; Maleki N; DeWyngeart JK; Lipsztein R; Dalton JF; Bloomer WD: transmission block to simplify combined pelvic and inguinal radiation therapy, *Radiology* 1987; 164: 578
 Kalnin A See George AE
 Kalos S See Phelan EMD
 Kalovidouris A; Pissiotis C; Pontifex G; et al: CT characterization of multivesicular hydatid cysts, *JCAT* 1986; 10: 428
 Kalvach P See Pechova-Peterova V
 Kam KC See Gooldeen AWG
 Kamani N See Schiff RG
 Kamath MV; Ellison RG; Rubin JW; et al: esophageal mucocoele: a complication of blind loop esophagus, (ab), *Radiology* 1987; 164: 588
 Kambe K See Kuwahara M-A
 Kamby C See Daugaard S
 Kamby C; Vejborg I; Daugaard S; et al: clinical and radiologic characteristics of bone metastases in breast cancer, (ab), *Radiology* 1988; 167: 887
 Kameda K; Adachi S; Kono M: detection of T-factor in lung cancer using magnetic resonance imaging and computed tomography, *J Thorac Imag* 1988; 3-2: 73
 Kameda N See Mirra JM
 Kamen BA See Moulder JE
 Kameyama T See Matsui O
 Kamikonya N See Hishikawa Y
 Kaminsky CK See Rouse GA
 Kamman RL; Go KG; Brouwer W; et al: nuclear magnetic resonance relaxation in experimental brain edema: effects of water concentration, protein concentration, and temperature, *Magn Res Med* 1988; 6: 265
 Kamol I See Kawamura N
 Kamp J See Edeling C-J
 Kamps VA See den Heeten GJ
 Kan A See Kozlowski K
 Kan J See White RI Jr
 Kan JS See Pessar ML
 Kan S See Fan M
 Kan S See Gonord P
 Kan SH See Dunn WL
 Kanagasantharam R See Khoo FY
 Kanal E See Brunberg JA
 Kanal E See Burk DL Jr
 Kanal E See Jungreis CA
 Kanal E See Wehrli FW
 Kanal E; Burk DL Jr; Brunberg JA; et al: pediatric musculoskeletal magnetic resonance imaging, *Radiol Clin North Am* 1988; 26: 211
 Kanaoka M See Murata K
 Kanaoka M See Noma S
 Kanaoka M See Togashi K
 Kanayama H See Kuroki Y
 Kanayama H See Watanabe Y
 Kancierz A; Chapman JD: influence of misonidazole, SR-2508, RSU-1069 and WR-2721 on spontaneous metastases in C57BL mice, *Int J Radiat Oncol Biol Phys* 1988; 14: 309
 Kancierz A; Wiebe LJ; Luu K; et al: influence of tumor stage and metastasis on the biodistribution of gallium-67 citrate in the murine Lewis lung carcinoma model, *J Nucl Med* 1988; 29: 1252
 Kandarpa K See Gardiner GA Jr
 Kandarpa K See Harrington DP
 Kandarpa K; Davids N; Gardiner GA Jr; et al: hemodynamic evaluation of arterial stases by computer simulation, *Invest Radiol* 1987; 22: 393
 Kandarpa K; Drinker PA; Singer SJ; Caramore D: forceful pulsatile local infusion of enzyme accelerates thrombolysis: in vivo evaluation of a new delivery system, *Radiology* 1988; 168: 739
 Kandarpa K; Fellows KE; Eraklis A; et al: solitary ileal arteriovenous malformation: preoperative localization by coil embolization, *AJR* 1986; 146: 787
 Kandarpa K; Stoll JF; Reiss C; et al: case of neurofibromatosis associated with a coronary artery aneurysm and myocardial infarction, *Cardiovasc Intervent Radiol* 1988; 11: 143
 Kane E See Poncz M
 Kane GJ See Lister JE
 Kane NM; Dorfman GS; Cronan JJ: efficacy of CT following peritoneal lavage in abdominal trauma, *JCAT* 1987; 11: 998
 Kane R See Onik G
 Kane R See Rosenberg ZS
 Kane RA See Costello P
 Kane RA See Katz JF
 Kane RA See O'Leary DH
 Kane RA See Onik G
 Kane RA; Curatolo F; Khettry U: "scar sign" on computed tomography and sonography in fibrolamellar hepatocellular carcinoma, *CT* 1987; 11: 27
 Kane VG; Silverstein GS: CT demonstration of hernia through an iliac crest defect, *JCAT* 1986; 10: 432
 Kaneda K See Matsuno T
 Kaneko Z: first steps in the development of the Doppler flowmeter, *Ultrasound Med Biol* 1986; 12: 187
 Kanel G See Aufrichtig D
 Kanel G See Ralls PW
 Kang-Marsch S See Iskandrian AS
 Kang EH; Schiebler H; Geffer WB; et al: MR demonstration of bilateral intrathyroidal parathyroid glands, *JCAT* 1988; 12: 349
 Kang HS See Im J-G
 Kang HS See Park JH
 Kang IY See Navarro DA
 Kang YS; Pope CF; Gore JC: alterations in MR relaxation of normal canine gallbladder bile during fasting, *Magn Res Imag* 1986; 4: 399
 Kangaroo H See Boechat MI
 Kangaroo H See Diamant MJ
 Kangaroo H See Dietrich RB
 Kangaroo H See Lufkin RB
 Kangaroo H See Walker HS
 Kangaroo H: chest MRI in children, *Radiol Clin North Am* 1988; 26: 263
 Kangaroo H; Boechat MI; Barbaric Z; et al: two-year clinical experience with a computed radiography system, *AJR* 1988; 151: 605
 Kangaroo H; Diamant MJ; Gold RH; et al: sonography of adrenal glands in neonates and children: changes in appearance with age, *JCU* 1986; 14: 43
 Kangaroo H; Dietrich RB; Ehrlich RM; et al: magnetic resonance imaging of Wilms tumor, (ab), *Radiology* 1987; 163: 291
 Kangaroo H; Dietrich RB; Taira RT; et al: MR imaging of bone marrow in children, *JCAT* 1986; 10: 205
 Kanno I See Miura S
 Kanof ME See Yeager AM
 Kanoh M See Araki Y
 Kanoh T; Ohno T; Uchino H; et al: avid uptake of gallium-67 in multiple myeloma: additional indicator of the aggressive phase, *Clin Nucl Med* 1987; 12: 482
 Kanoh T; Uchino H; Yamamoto I; et al: soft-tissue uptake of technetium-99m MDP in multiple myeloma, *Clin Nucl Med* 1986; 11: 878
 Kansler F See Frager DH
 Kanter AS See Richardson ML
 Kanter KR See Schmitt GS
 Kanter RK: retinal hemorrhage after cardiopulmonary resuscitation or child abuse, (ab), *Radiology* 1986; 160: 575
 Kantor A; Glanz S; Gordon DH; et al: percutaneous insertion of the Kimray-Greenfield filter: incidence of femoral vein thrombosis, *AJR* 1987; 149: 1065
 Kantor H See Edelman RR
 Kantor OS See Karp DR
 Kantor SM See Beltran J
 Kantorowitz DA; Poultier CA; Sischy B; et al: treatment of breast cancer among elderly women with segmental mastectomy or segmental mastectomy plus postoperative radiotherapy, *Int J Radiat Oncol Biol Phys* 1988; 15: 263
 Kantrowitz L See Tiltonson CL
 Kantrowitz LR; Pais MJ; Burnett K; et al: intraspinal neuroenteric cyst containing gastric mucosa: CT and MRI findings, *Pediatr Radiol* 1986; 16: 324
 Kao M-S See Stokes S
 Kao MS See Worthington JL
 Kao SCS See Yuh WTC
 Kao SCS; Yuh WTC; Sato Y; et al: intracranial granulocytic sarcoma (choroma): MR findings, *JCAT* 1987; 11: 938
 Kapelner S See Chao TW
 Kapila A See Chakares DW
 Kapila A; Chakares DW: flexed sitting maneuver for complete lumbar myelography in patients with severe spinal stenosis and apparent block, *Radiology* 1986; 160: 265
 Kapila A; Lines M: neuropathic spinal arthropathy: CT and MR findings, *JCAT* 1987; 11: 736
 Kaplan BA See Dowd TL
 Kaplan E See Freeman ML
 Kaplan EI See Greenberg M
 Kaplan F See Rao VM
 Kaplan FS See Epstein DM
 Kaplan GD See Billrey GL
 Kaplan GN See Chen DCP
 Kaplan K See Davison R
 Kaplan L See Milgrom C
 Kaplan L See Stoller DW
 Kaplan M; Dollberg M; Wajntraub G; et al: fractured long bones in a term infant delivered by Caesarian section, *Pediatr Radiol* 1987; 17: 256
 Kaplan PA See Johnson RL
 Kaplan PA See Lieberman RP
 Kaplan PA See Pathria MN
 Kaplan PA See Peterson C
 Kaplan PA See Williams SM

- Kaplan PA; Aleson RJ; Klassen LW; Duggan MJ: bone marrow patterns in aplastic anemia: observations with 1.5-T MR imaging. *Radiology* 1987; 164: 441
- Kaplan PA; Montesai A; Jardon OM; Gregory PR: bone-in-growth hip prostheses in asymptomatic patients: radiographic features. *Radiology* 1988; 169: 221
- Kaplan PA; Murphy M; Greenway G; et al: fluid-fluid levels in giant cell tumors of bone: report of two cases. *CT* 1987; 11: 151
- Kaplan PA; Orton DF; Aleson RJ: osteoporosis with vertebral compression fractures, retracted fragments, and neurologic compromise. *Radiology* 1987; 165: 533
- Kaplan PA; Phalen J; Macke R: case report 372. *Skeletal Radiol* 1986; 15: 383
- Kaplan PA; Reiskin AB; Tu HK: temporomandibular joint arthrography following surgical treatment of internal derangements. *Radiology* 1987; 163: 217
- Kaplan PA; Resnick D: destructive noninfectious spondylarthropathy in hemodialysis patients: reply. *Radiology* 1987; 164: 585
- Kaplan PA; Resnick D: stress-induced osteolysis of the clavicle. *Radiology* 1986; 158: 139
- Kaplan PA; Resnick D; Murphy M; Heck L; Phalen J; Egan D; Rutsky E: destructive noninfectious spondylarthropathy in hemodialysis patients: report of four cases. *Radiology* 1987; 162: 241
- Kaplan PA; Ruskin JD; Tu HK; et al: erosive arthritis of the temporomandibular joint caused by Teflon-Proplast implants: plain film features. *AJR* 1988; 151: 337
- Kaplan PA; Tu HK; Koment MA; Bennion JW; Ruskin JD: radiography after orthognathic surgery: part I. normal appearance. *Radiology* 1988; 167: 191
- Kaplan PA; Tu HK; Koment MA; Ruskin JD; Bennion J: radiography after orthognathic surgery: part II. surgical complications. *Radiology* 1988; 167: 195
- Kaplan PA; Tu HK; Sieder PR; Lydiatt DD; Laney TJ: inferior joint space arthrography of normal temporomandibular joints: reassessment of diagnostic criteria. *Radiology* 1986; 159: 585
- Kaplan PA; Tu HK; Williams SM; Lydiatt DD: normal temporomandibular joint: MR and arthrographic correlation. *Radiology* 1987; 165: 177
- Kaplan PA; Williams SM: mucocutaneous and peripheral soft-tissue hemangiomas: MR imaging. *Radiology* 1987; 163: 163
- Kaplan R; See Horowitz AL
- Kaplan WD; See Kwai AH
- Kaplan WD; See Lipman JC
- Kaplan WD; See Macklis RM
- Kaplan WD; See Recht A
- Kaplan WD; See Stomper PC
- Kaplan WD; See Tumeh SS
- Kaplan WD; Andersen JW; Siddons RL; et al: three-dimensional localization of internal mammary lymph nodes by radionuclide lymphoscintigraphy. *J Nucl Med* 1988; 29: 473
- Kaplan WD; Takvorian J; Morris JH; et al: thallium-201 brain tumor imaging: comparative study with pathologic correlation. *J Nucl Med* 1987; 28: 47
- Kaplan L; See Zuckier LS
- Kapoor R; See Saha MM
- Kapoor R; Gomer S; Saha MM; et al: malignant pleural mesothelioma in a child—a case report. *Australas Radiol* 1988; 32: 134
- Kapoor R; Saha MM: large pharyngeal exostosis in multiple cartilaginous exostoses (diaphyseal acasia)—a case report. *Australas Radiol* 1987; 31: 212
- Kapoor R; Saha MM: prenatal diagnosis of iniencephaly—(report of 2 cases). *Australas Radiol* 1987; 31: 400
- Kapoor W; See Martin DC
- Kapp DS; See Samulski TV
- Kapp DS; See Schreiber DP
- Kapp DS; See Woo SY
- Kapp DS; Prinosas D; Fessenden P; et al: bladder cooling in patients treated with regional hyperthermia of the pelvis using an annular phased array. *Int J Radiat Oncol Biol Phys* 1988; 14: 1307
- Kappagoda MB; See Lawless M
- Kapoor L; Städt D; Ratka M; et al: magnetic resonance imaging in the evaluation of treatment in multiple sclerosis. *Neuroradiol* 1988; 30: 299
- Kaprio J; Alanko A; Kivisaari L; et al: mammographic patterns in twin pairs discordant for breast cancer. *Br J Radiol* 1987; 60: 459
- Kaps HP; See Georgi P
- Kaptein EM; See Ralls PW
- Kapur S; See Taylor GA
- Karabent A; See Dören HB
- Karacostas D; Taskos N; Tsounis S; et al: CT findings in temporal arteritis: report of two cases. *Neuroradiol* 1986; 28: 373
- Karadanas AH; See Andonopoulos AP
- Karani J; See Powell-Jackson PR
- Karani J; See Raby N
- Karasawa H; Tomita S; Suzuki S: chronic subdural hematomas: time-density curve and iodine concentration in enhanced CT. *Neuroradiol* 1987; 29: 36
- Karasawa J; See Takeuchi S
- Karasawa J; See Touho H
- Karasick D; See Sullivan KL
- Karavias D; See Mapp E
- Karavias D; See Passas V
- Karczmar GS; Matson GB; Weiner MW: single acquisition localization technique. *Magn Res Med* 1986; 3: 341
- Karczmar GS; Twieg DB; Lawry TJ; et al: detection of motion using B₁ gradients. *Magn Res Med* 1988; 7: 111
- Kardamakis D; Berry RJ: low-dose total-body irradiation in the management of refractory rheumatoid arthritis. *Br J Radiol* 1987; 60: 297
- Kardaan JWFF; See Schipper J
- Karellas A; See Raptopoulos V
- Karellas A; See Shukla SS
- Karsen R; See Hallgrímsson P
- Karsen SM; See McVeigh MC
- Karikomi M; See Araki T
- Karla KTK: image quality of mammographic systems. *Eur J Radiol* 1987; 7: 194
- Karim ABMF; Kralendondk JH; Njo KH; et al: radiation therapy for advanced (T3T4N0-N3M0) laryngeal carcinoma: the need for a change of strategy: a radiotherapeutic viewpoint. *Int J Radiat Oncol Biol Phys* 1987; 13: 1625
- Karim ABMF; Kralendondk JH; Yap LY; et al: heterogeneity of stage II glottic carcinoma and its therapeutic implications. *Int J Radiat Oncol Biol Phys* 1987; 13: 313
- Karimeddini MK; See Dey HM
- Karimeddini MK; See Grimmond AP
- Karimeddini MK; See Mathews J
- Karimeddini MK; See Spencer RP
- Karimeddini MK; Spencer RP: forced diuresis: cause of "absent" renal uptake of bone imaging agent. *Clin Nucl Med* 1987; 12: 407
- Karimeddini MK; Spencer RP: "negative" renal outline in prune belly syndrome. *Clin Nucl Med* 1986; 11: 129
- Karis JP; See Hedlund LW
- Karjoo R; See Yoshida SO
- Karkinen-Jääskeläinen M; See Kajanti M
- Karl RC; See Quinn SF
- Karl SR; See Bahia JO
- Karl SR; See Fletcher RM
- Karle A; See Tjønnesen KH
- Karliik S; See Olutola PS
- Karliik SJ; See Vinitaki S
- Karliik SJ: common pharmaceuticals alter tissue proton NMR relaxation properties. *Magn Res Med* 1986; 3: 181
- Karliik SJ; Heatherley T; Pavan F; et al: patient anesthesia and monitoring at a 1.5-T MRI installation. *Magn Res Med* 1988; 7: 210
- Karlins GS; See Lee WJ
- Karlins NL; See Winkelman MD
- Karlinsky JB; See Gale ME
- Karlberg RP; See Lyons GP
- Karmel MI; See Naidich JB
- Karmen BA; See Holcberg JS
- Karnaze MG; See Sartor K
- Karnaze MG; Gado MH; Sartor KJ; et al: comparison of MR and CT myelography in imaging the cervical and thoracic spine. *AJNR* 1987; 8: 983
- Karnaze MG; Sartor K; Winthrop JD; Gado MH; Hodges FJ III: suprasellar lesions: evaluation with MR imaging. *Radiology* 1986; 161: 77
- Karnaze MG; Shackelford GD; Abramson CL: atrial ventricular diverticulum: sonographic diagnosis. *AJNR* 1987; 8: 721
- Karnaze MG; Shackelford GD; Abramson CL: atrial ventricular diverticulum: sonographic diagnosis. *AJR* 1987; 149: 569
- Karnel F; See Lammer J
- Karnel F; See Ritschl P
- Karnel F; See Wittich GR
- Karo JJ; See Gonda RL Jr
- Karol SV; See Fiddian-Green RG
- Karonen S-L; Aronen H; Liewendahl K; et al: localization of human malignant tumors with radiolabeled recombinant tissue plasminogen activator. *J Nucl Med* 1988; 29: 1194
- Karp DR; Kantor OS; Halverson JD; et al: successful management of catastrophic gastrointestinal involvement in polyarteritis nodosa. (ab). *Radiology* 1988; 169: 880
- Karp JS; See Muehlethner G
- Karp SJ; Bennett MH: non-Hodgkin's lymphoma following radiotherapy for Hodgkin's disease. *Clin Radiol* 1986; 37: 479
- Karp-Harman H; See Naidich JB
- Karpinski E; See Hutchison KJ
- Karras B; See Smathers RL
- Karstaedt N; See Bechtold RE
- Karstaedt N; See Chen YM
- Karstaedt N; See Jackels SC
- Karstaedt N; See Moeser PM
- Karstaedt N; See Moran PR
- Karstaedt N; See Zagoria RJ
- Karstrup S; Glenthoj A; Torp-Pedersen S; et al: ultrasonically guided fine needle aspiration of suggested enlarged parathyroid glands. *Acta Radiol* 1988; 29: 213
- Karstrup S; Glenthoj A; Torp-Pedersen S; et al: ultrasonically guided fine-needle biopsy for histological sampling of suspect parathyroid tissue. *Br J Radiol* 1986; 59: 507
- Karstrup S; Hegedus L: concomitant thyroid disease in hyperparathyroidism: reasons for unsatisfactory ultrasonographic localization of parathyroid glands. *Eur J Radiol* 1986; 6: 149
- Karstrup S; Holm HH; Torp-Pedersen S; et al: ultrasonically guided percutaneous inactivation of parathyroid tumours. *Br J Radiol* 1987; 60: 667
- Karstrup S; Torp-Pedersen S; Koike O; et al: ultrasonic visualization of the inflamed appendix. *Br J Radiol* 1986; 59: 985
- Karl BH; Reddy SC; Rao GB; et al: choroid plexus metastasis: CT appearance. *JCAT* 1986; 10: 537
- Karvelis K; See Drane WE
- Karvelis KC; Drane WE; Johnson DA; Silverman ED: Barrett esophagus: decreased esophageal clearance shown by radionuclide esophageal scintigraphy. *Radiology* 1987; 162: 97
- Karvelis KC; Silverman ED: inguinal hernia demonstrated incidentally during bone imaging. *Clin Nucl Med* 1988; 13: 129
- Karwande SV; See Mann H
- Karwande SV; See Traugher PD
- Karwande SV: surgical advances in the treatment of lung cancer. *Semin US CT MR* 1988; 9: 27
- Karwande SV; Wolcott MW; Gay WA Jr: postpneumectomy tension chylothorax. (ab). *Radiology* 1987; 163: 587
- Kasagi K; See Iida Y
- Kasagi K; See Noma S
- Kasambalides E; See Shipal EJ
- Kasdon DL; See Wolpert SM
- Kase K; See Fitzgerald TJ
- Kase KR; See Piontek RW
- Kanetz I; See Klein FA
- Kashdan B; See Barash E
- Kashgarian M; See Rigby CM
- Kashiwagi S; See Tsuha M
- Kashiwagi T; Azuma M; Ikawa T; Takehara T; Matsuda H; Yoshioka H; Mitsutani N; Koizumi T; Kimura K: portosystemic shunting in portal hypertension: evaluation with portal scintigraphy with transectally administered I-123 IMP. *Radiology* 1988; 169: 137
- Kashiwagi T; Mitsutani N; Koizumi T; et al: three-dimensional demonstration of liver and spleen by a computer graphics technique. *Acta Radiol* 1988; 29: 27
- Kasina S; See Fritzberg AR
- Kasner JR; Ramrah P; Glisch J; et al: demonstration of aortic root aneurysm on first-pass study of the right heart. *Clin Nucl Med* 1987; 12: 71
- Kass DA; Banville DL; Gooding CA; et al: ³¹P magnetic resonance spectroscopy of mesenteric ischemia. *Magn Res Med* 1987; 4: 83
- Kass EG; See Breger RK
- Kass EG; See Weinberg B
- Kass EJ; See Majid M
- Kass GA; See Starshak RJ
- Kasab EA; See Hackney DB
- Kasamali H; See Dey HM
- Kasamali H; Spencer RP: lateral bladder due to tumor compression. *Clin Nucl Med* 1987; 12: 974
- Kassel EE; See Nedzelaki JM
- Kassel EE; See Willinsky RA
- Kassell NF; See Adams HP Jr
- Kassen BO; See Ammann W
- Kasner EG; See Mezzacappa PM
- Kastan DJ; See Ellis BI
- Kastan DJ; See Feczko PJ
- Kastan DJ; Ackerman LV; Feczko PJ: digital gastrointestinal imaging: effect of pixel size on detection of subtle mucosal abnormalities. *Radiology* 1987; 162: 853
- Kastan DJ; Ellis BI; Shier CK; et al: case report 456. *Skeletal Radiol* 1987; 16: 685
- Kastan DJ; Sharma RP; Keith F; et al: intimo-intimal intussusception: an unusual presentation of aortic dissection. *AJR* 1988; 151: 603
- Kasuga H; See Yoshimura H
- Kasugai H; See Tanaka S
- Kasulis P; See Lee RGL
- Kasuya T; See Horimoto Y
- Kaszar-Seibert DJ; Gauvin GP; Rogoff PA; Vittimberga FJ; Margolis S; Hilgenberg AD; Saal DK; Goldsmith GO: intracardiac extension of intravenous leiomyomatosis. *Radiology* 1988; 168: 409

- Kaszás I See Göblyös P
 Kaszovitz B See Berger JR
 Katada H See Yoshimura H
 Katagiri M; Harada T; Kawano R; et al: parathyroid adenoma imaged by gallium-67 citrate: a case report, *Clin Nucl Med* 1987; 12: 788
 Katagiri M; Suzuki S; Sadahiro S; et al: accumulation of iodine-131 and technetium-99m pertechnetate in thyroid carcinoma, *Clin Nucl Med* 1988; 13: 276
 Katariya S See Bamberg P
 Katariya S; Prasad PJ; Marwaha RK; et al: hypertrophic osteoarthropathy in a young child with congenital cyanotic heart disease, *Br J Radiol* 1986; 59: 75
 Kätevuo K See Kormano M
 Kathol M See Smith WL
 Kathol MH See Berbaum KS
 Kathol MH See El-Khoury GY
 Kathol MH See Yuh WTC
 Kato H See Asaga T
 Kato H; Ichinose E; Kawasaki T: myocardial infarction in Kawasaki disease, (ab), *Radiology* 1987; 164: 295
 Kato H; Konaka C; Ono J; et al: preoperative laser photodynamic therapy in combination with operation in lung cancer, (ab), *Radiology* 1986; 159: 570
 Kato K See Takayama T
 Katoh H See Tanohata K
 Katoh S See Tsuha M
 Kator NN See Lande IM
 Katsamouris AA; Waltman AC; Delichatsios MA; Athanasoulis CA: inferior vena cava filters: in vitro comparison of clot trapping and flow dynamics, *Radiology* 1988; 166: 361
 Katsube Y See Horie Y
 Katsuki T See Iino T
 Katsuta S See Kuno S-y
 Kattapuram SV See Brown KT
 Kattapuram SV; Phillips WC; Mankin HJ: giant cell tumor of bone: radiographic changes following local excision and allograft replacement, *Radiology* 1986; 161: 493
 Kattapuram SV; Rosenthal DI: percutaneous biopsy of the cervical spine using CT guidance, *AJR* 1987; 149: 539
 Katz BH See Post MJD
 Katz CD See Wright GL
 Katz DA See Di Chiro G
 Katz HJ See Brandt LJ
 Katz I See Zwas ST
 Katz J See Twieg DB
 Katz J; Milliken MC; Stray-Gundersen J; Buja LM; Parkey RW; Mitchell JH; Peshock RM: estimation of human myocardial mass with MR imaging, *Radiology* 1986; 166: 495
 Katz J; Peshock RM; McNamee P; et al: analysis of spin-echo rephasing with pulsatile flow in 2D FT magnetic resonance imaging, *Magn Res Med* 1987; 4: 307
 Katz J; Peshock RM; Malloy CR; et al: even-echo rephasing and constant velocity flow, *Magn Res Med* 1987; 4: 422
 Katz JF See Krauth FH
 Katz JF; Nichols L; Kane RA; et al: renal cell carcinoma: unusual sonographic appearance, *J Ultrasound Med* 1986; 5: 517
 Katz M See Meizner I
 Katz ME See McAlister WH
 Katz ME See Sandler MA
 Katz ME; Glazer HS; Siegel MJ; Gutierrez F; Levitt RG; Lee JKT: mediastinal vessels: postoperative evaluation with MR imaging, *Radiology* 1986; 161: 647
 Katz ME; Perlman JM; Tack ED; et al: neonatal umbilical artery pseudoaneurysm: sonographic evaluation (case report), *AJR* 1986; 147: 322
 Katz ME; Siegel MJ; Shackelford GD; et al: position and mobility of the duodenum in children, *AJR* 1987; 148: 947
 Katz ME; Teitelbaum SL; Gilula LA; et al: radiologic and pathologic patterns of end-plate-based vertebral sclerosis, *Invest Radiol* 1988; 23: 447
 Katz PG See Dundrick TJ
 Katz R; Landman J; Dulitzky F; et al: fracture of the clavicle in the newborn: an ultrasound diagnosis, *J Ultrasound Med* 1988; 7: 21
 Katz RL See Miller DA
 Katz S See Fields SI
 Katz SG See Berman HL
 Katz W See Beltran J
 Katzberg KW See Westesson P-L
 Katzberg R: diagnosis of internal derangements of the temporomandibular joint. vol. 1. double-contrast arthrography and clinical correlation, *Radiology* 1986; 160: 430
 Katzberg RW See Cochran ST
 Katzberg RW See Hardy CJ
 Katzberg RW See Spataro RF
 Katzberg RW See Westesson P-L
 Katzberg RW: new and old contrast agents: physiology and nephrotoxicity, *Urol Radiol* 1988; 10: 6
 Katzberg RW; Bessette RW; Tallents RH; Flewos DB; Manzione JV Jr; Schenck JF; Foster TH; Hart HR: normal and abnormal temporomandibular joint: MR imaging with surface coil, *Radiology* 1986; 158: 183
 Katzberg RW; Morris TW: hypotensive shock associated with bradycardia after intravenous injection of contrast medium, *Radiology* 1987; 165: 877
 Katzberg RW; Morris TW; Lasser EC; et al: acute systemic and renal hemodynamic effects of meglumine/sodium diatrizoate 76% and iopamidol in euolemic and dehydrated dogs, *Invest Radiol* 1986; 21: 793
 Katzberg RW; Fabico RC; Morris TW; et al: comparison of clearance and arteriovenous extraction techniques for measurements of renal hemodynamic functions, *Invest Radiol* 1986; 21: 910
 Katzberg RW; Fabico RC; Morris TW; et al: effects of contrast media on renal function and subcellular morphology in the dog, *Invest Radiol* 1986; 21: 64
 Katzberg RW; Westesson P-L; Tallents RH; Anderson R; Kurita K; Manzione JV Jr; Totterman S: temporomandibular joint: MR assessment of rotational and sideways disk displacements, *Radiology* 1988; 169: 741
 Katzen BT See Becker GJ
 Katzen BT See Picus D
 Katzen BT See Schwartz DE
 Katzen BT See van Breda A
 Katzen BT See Waltman AC
 Katzen BT: technique and results of "low-dose" infusion, *Cardiovasc Intervent Radiol* 1988; 11: 541
 Katzenellenbogen JA See Mintun MA
 Katzenstein A-L See Fraser RG
 Katzenstein A-L; Myers JL; Mazur MT: acute interstitial pneumonia: a clinicopathologic, ultrastructural, and cell kinetic study, (ab), *Radiology* 1987; 162: 884
 Katzenstein A-L; Myers JL; Prophet WD; et al: bronchiolitis obliterans and usual interstitial pneumonia: a comparative clinicopathologic study, (ab), *Radiology* 1987; 162: 884
 Katzka DA See Recht MP
 Katzman RA See Parulekar SG
 Katzmak SL See Mavroudis C
 Kaudé J See Petterson H
 Kaudé JV See Grantham JR
 Kaudé JV See Miles SG
 Kaudé JV See Williams CM
 Kaudé JV See Williams JL
 Kaudé JV See Yancey JM
 Kaudé JV; Williams JL; Wright PG; et al: sonographic evaluation of the kidney following extracorporeal shock wave lithotripsy, *J Ultrasound Med* 1987; 6: 299
 Kauffman HM See Collier BD
 Kauffman HM See Komorowski RA
 Kauffman HM See Tisdale FL
 Kauffman HM Jr See Franssen TR
 Kauffmann GW See Kadis S
 Kauffman AJ; Tarr RW; Holburn GE; et al: magnetic resonance imaging of ischemic bowel in rabbit model, *Invest Radiol* 1988; 23: 93
 Kauffman D See Runge VM
 Kauffman DM See Runge VM
 Kauffman DW See Levy M
 Kauffman H See Edelman RR
 Kauffman HH See Tehranzadeh J
 Kauffman J; Gunn W; Hartz AJ; et al: pathophysiologic and roentgenologic effects of chest irradiation in breast carcinoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 887
 Kauffman JJ See DeKernion JB
 Kauffman JL; Fereshetian A; Chang B; et al: septicemia presenting with endoaneurysmal gas: CT demonstration, *AJR* 1988; 151: 287
 Kauffman L See Arakawa M
 Kauffman L See Carlson J
 Kauffman L See Carlson JW
 Kauffman L See Crooks LE
 Kauffman L See Feinberg DA
 Kauffman L See Mills TC
 Kauffman L See Tropp IS
 Kauffman L See Winkler ML
 Kauffman MW See Meiselman MS
 Kauffman RA See Ball WS Jr
 Kauffman RA See Biset GS III
 Kauffman RA See Brody AS
 Kauffman RA See Kirks DR
 Kauffman RA See Lederman HM
 Kauffman RA See Stalker HP
 Kauffman RA See Towbin RB
 Kauffman RA: calcified postinflammatory pseudotumor of the lung: CT features, *JCAT* 1988; 12: 653
 Kauffman RA; Ball WS Jr; Han BK; Towbin RB: pediatric case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 997
 Kauffman RA; Carroll CD; Buncher CR: atlantooccipital junction: standards for measurement in normal children, *AJNR* 1987; 8: 995
 Kaufman RA; Lovell DJ: infantile-onset multisystem inflammatory disease: radiologic findings, *Radiology* 1986; 160: 741
 Kaufman RA; Stalker HP: hypovolemic shock in children, *Radiology* 1988; 166: 579
 Kaufman RA; Towbin RB; Ball WS Jr: pediatric case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 597
 Kaufman RA; Towbin RB; Ball WS Jr: pediatric case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 1021
 Kaufman RJ See Robert WC
 Kaufman SL See Greenstein S
 Kaufman SL See Kinnison ML
 Kaufman SL See Murray RR Jr
 Kaufman SL See Redmond PL
 Kaufman SL See Shuman L
 Kaufman SL See Widlus DM
 Kaufman SL: intrathoracic interventional vascular techniques in congenital cardiovascular disease, *J Thorac Imag* 1987; 2: 1
 Kaufmann HJ See Langer R
 Kaufmann HJ See Volle E
 Kaufmann K; Sorensen R; Bauknecht K; et al: aneurysm of the right ovarian vein—unusual cause of pulmonary embolism, *Cardiovasc Intervent Radiol* 1987; 10: 100
 Kaukialainen M; Spring E; Wag E: simulator model of a department of diagnostic radiology, *Acta Radiol* 1986; 27: 71
 Kauko S See Kaj R
 Kaul S See Homma S
 Kaul S; Chesler DA; Boucher CA; et al: quantitative aspects of myocardial perfusion imaging, *Semin Nucl Med* 1987; 17: 131
 Kaul S; Chesler DA; Pohost GM; et al: influence of peak exercise heart rate on normal thallium-201 myocardial clearance, *J Nucl Med* 1986; 27: 26
 Kaul S; Wismer GL; Brady TJ; et al: measurement of normal left heart dimensions using optimally oriented MR images, *AJR* 1986; 146: 75
 Kaul U See Venugopal P
 Kaupilla A; Sipilä P; Koivula A: intracavitary irradiation of endometrial cancer of large uteri using a two-phase afterloading technique, *Br J Radiol* 1987; 60: 1093
 Kaurich JD; Coombs RJ; Zeiss J: myelolipoma of the liver: CT features, *JCAT* 1988; 12: 660
 Kaushal V; Sharma SC: carcinoma of the penis: a 12-year review, *Acta Oncol* 1987; 26: 413
 Kaulzaric D: sonographic appearance of osteolysis of humeral head, *JCU* 1986; 14: 566
 Kaulzaric D; Barneir E: sonography of traumatic rupture of the bladder: "bladder within a bladder" appearance of extraperitoneal extravasation, *J Ultrasound Med* 1986; 5: 97
 Kaulzaric D; Barneir E; Campana A: diagnosis of cystitis glandularis, *Urol Radiol* 1987; 9: 50
 Kaulzaric D; Barneir E; Lucietti P; et al: renal carcinoma after retrograde pyelography with Thorotrast, *AJR* 1987; 148: 897
 Kaulzaric D; Barneir E; Peyer F; et al: sonographic appearance of urethral diverticulum in the male, *J Ultrasound Med* 1988; 7: 107
 Kaulzaric D; Passaga E: atypical sonographic findings in splenic infarction, *JCU* 1986; 14: 461
 Kavaliers M See Prato FS
 Kavanagh J See Quinn SF
 Kavanagh JH See Manco LG
 Kaveh Z See Nussinson E
 Kawabori I See Rittenhouse EA
 Kawahara H; Andou Y; Takashima S; et al: normal development of the spinal cord in neonates and infants seen on ultrasonography, *Neuroradiol* 1987; 29: 50
 Kawahara N; Sato K; Muraki M; et al: CT classification of small thalamic hemorrhages and their clinical implications, (ab), *Radiology* 1987; 162: 887
 Kawai C See Matsuda T
 Kawai C See Shimizu K
 Kawakami Y; Tabuchi K; Ohnishi R; et al: primary central nervous system lymphoma, (ab), *Radiology* 1986; 158: 572
 Kawamori J See Miyake T
 Kawamoto EH See Choplin RH
 Kawamoto S See Fujita M
 Kawamura I See Matsui O
 Kawamura N; Kamoi I; Shigyo R: sclerosing stromal tumour of the ovary, *Br J Radiol* 1987; 60: 1031
 Kawamura Y See Nishimura K
 Kawano H See Hayashi M
 Kawano H; Hayashi M; Kobayashi H; et al: gas CT cisternography of trigeminal neuralgia caused by AVM of the cerebellopontine angle, *AJNR* 1987; 8: 161
 Kawano M See Koga K
 Kawano R See Katagiri M
 Kawasaki T See Kato H
 Kawashima A See Gensburg RS

- Kawashima A; Johsen T; Murayama S; et al: intravascular papillary endothelial hyperplasia of the adrenal gland, *Br J Radiol* 1986; 59: 610
- Kawashima A; Suehiro S; Murayama S; et al: focal fatty infiltration of the liver mimicking a tumor: sonographic and CT features, *JCAT* 1986; 10: 329
- Kawashima Y See Ueno K
- Kawauchi N See Kokubo T
- Kay BK See Kay HH
- Kay D See Bluth EI
- Kay H See Baker ME
- Kay HH See Mahony BS
- Kay HH; Herfkens RJ; Kay BK: effect of magnetic resonance imaging on *Xenopus laevis* embryogenesis, *Magn Res Imag* 1988; 6: 501
- Kay JM See Magee F
- Kay PH; Wells FC; Goldstraw P: multidisciplinary approach to primary nonseminomatous germ cell tumors of the mediastinum, (ab), *Radiology* 1987; 165: 883
- Kay R See Goldberg RM
- Kay R See Milner GR
- Kay VJ; Nolan DJ: small bowel enema in the patient with an ileostomy, *Clin Radiol* 1988; 39: 418
- Kayani N See Gupta SM
- Kayani N See Johns WD
- Kayani N See Spencer RP
- Kay AM See Haseltine FP
- Kaye B; Howard J; Ford KD; et al: comparison of the image quality of intravenous urograms using low-osmolar contrast media, *Br J Radiol* 1988; 61: 589
- Kaye JA; Wang A-M; Joachim CL; et al: malignant mesothelioma with brain metastases, (ab), *Radiology* 1986; 159: 822
- Kaye JJ See Kulkarni MV
- Kaye JJ See Nance EP Jr
- Kaye JJ; Callahan LF; Nance EP Jr; et al: bony ankylosis in rheumatoid arthritis: associations with longer duration and greater severity of disease, *Invest Radiol* 1987; 22: 303
- Kaye JJ; Callahan LF; Nance EP Jr; Brooks RH; Flincus T: rheumatoid arthritis: explanatory power of specific radiographic findings for patient clinical status, *Radiology* 1987; 165: 753
- Kaye JJ; Nance EP Jr; Callahan LF; et al: observer variation in quantitative assessment of rheumatoid arthritis, part II: simplified scoring system, *Invest Radiol* 1987; 22: 41
- Kaye KW See Smith TP
- Kayser KL See Brenowitz JB
- Kazam E See Auh YH
- Kazam E See Kneeland JB
- Kazam E See Newhouse JH
- Kazam E See Wojtaszek DA
- Kazner E See Iglesias JR
- Kazner E See Weiss T
- Keagy BA See Lucas CL
- Kean DM; Smith AM; Douglas RHB; et al: description of a low field resistive magnetic resonance imaging system and its application in imaging midline central nervous system pathology, *Clin Radiol* 1986; 37: 211
- Keane JFW; Pou S; Rosen GM: nitroxides as potential contrast enhancing agents for MRI application: influence of structure on the rate of reduction by rat hepatocytes, whole liver homogenate, subcellular fractions, and ascorbate, *Magn Res Med* 1987; 5: 525
- Keane JR: acute bilateral ophthalmoplegia: 60 cases, (ab), *Radiology* 1987; 162: 589
- Keane T See Mah K
- Kearney F See Bundschuh CV
- Kearnsley JH; Fitchew RS; Taylor RGS: adjunctive radiotherapy with strontium-90 in the treatment of conjunctival squamous cell carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 14: 435
- Keast CM See Waller DG
- Keats TE See de Lange EE
- Keats TE See Joyce JM
- Keats TE See Phillips CD
- Keats TE See Pope TL Jr
- Keats TE See Siström CL
- Keats TE; Pope TL Jr: acromioclavicular joint: normal variation and the diagnosis of dislocation, *Skeletal Radiol* 1988; 17: 159
- Keefe EB; Lieberman DA; Krishnamurthy S; Krishnamurthy GT; Gilbert SA: primary biliary cirrhosis: Tc-99m IDA planar and SPECT scanning, *Radiology* 1988; 166: 143
- Keelan M See Thomson ABR
- Keeling CA See McDougall IR
- Keeling CA; B-130 LV: iodine-131 MIBG uptake in metastatic medullary carcinoma of the thyroid: a patient treated with somatostatin, *Clin Nucl Med* 1988; 13: 260
- Keeling DH See Macleod PM
- Keeling FF; Ayers AB; Field S; et al: fracture of the sella turcica: report of three cases, *Clin Radiol* 1986; 37: 233
- Keeling FF; Thomas ML: varicography in the management of primary varicose veins, *Br J Radiol* 1987; 60: 235
- Keeling PWN See O'Connor MK
- Keen CW See Wilkins MF
- Keen R See Lufkin RB
- Keen RL See Hedrick WR
- Keen SJ; Libshitz HL: thymic lesions: experience with computed tomography in 24 patients, (ab), *Radiology* 1987; 165: 587
- Keenan AM; Weinstein JN; Mulshine JL; et al: immunolymphoscintigraphy in patients with lymphoma after subcutaneous injection of indium-111-labeled T101 monoclonal antibody, *J Nucl Med* 1987; 28: 42
- Keene JP See Moore JV
- Keene JS See Graves VB
- Keeton BR See Rubin CME
- Keeton GR; Pillay GP: diagnostic role of intravenous urography in acute and chronic renal failure, *Urol Radiol* 1986; 8: 72
- Kehler M; Svahn G; Alwmark A; et al: digital subtraction angiography with bandpass filtration during by-pass operation, *Acta Radiol* 1987; 28: 491
- Kehoe TM See Grant AM
- Kehr P See Wackenheim A
- Keidar S See Engel A
- Keightley A See Casola G
- Keightley A See Davies AC
- Keightley A See vanSonnenberg E
- Keigley B; Vogelzang RL; Neiman HL; et al: ergotism presenting as stenosis following angioplasty, *Cardiovasc Intervent Radiol* 1987; 10: 21
- Keigley BA See Sandler MA
- Keijser AH See Borger JH
- Keita K See Mathieu D
- Keita K See Vasile N
- Keith F See Kastan DJ
- Keith MW See Bellon EM
- Keizer J See Landuyt W
- Kelami A See Hamm B
- Kelbaek H: technetium-99m labeling of red blood cells: in vitro evaluation of a new approach, *J Nucl Med* 1986; 27: 1770
- Kelbaek H; Gjorup T; Hartling OJ; et al: influence of a background correction that considers the heart volume on radionuclide left ventricular ejection fraction determination, *Br J Radiol* 1986; 59: 993
- Kelbaek H; Hartling OJ; Skagen K; et al: first-pass radionuclide determination of cardiac output: an improved gamma camera method, *J Nucl Med* 1987; 28: 1330
- Kelbaek H; Svendsen JH; Aldershvile J; et al: non-invasive measurement of stroke volume and left ventricular ejection fraction: radionuclide cardiography compared with left ventricular radioangiography, *Acta Radiol* 1988; 29: 175
- Kelcz F See Peters ME
- Keldsen N: cisplatin as second line chemotherapy in advanced or recurrent squamous cell carcinoma of head and neck region, *Acta Oncol* 1987; 26: 357
- Kell M See Kolla IS
- Kelland LR; Burgess L; Steel GG: differential radiosensitization by the poly(ADP-ribose) transferase inhibitor 3-aminobenzamide in human tumor cells of varying radiosensitivity, *Int J Radiat Oncol Biol Phys* 1988; 14: 1239
- Kellenbach ER See Jans AWH
- Keller AM; Jackson JA; Peshock RM; et al: nuclear magnetic resonance study of high-energy phosphate stores in models of adriamycin cardiotoxicity, *Magn Res Med* 1986; 3: 834
- Keller AM; Simon TR; Smitherman TC; et al: direct determination of the attenuation coefficient for radionuclide volume measurements, *J Nucl Med* 1987; 28: 102
- Keller AM; Sorce DJ; Sciacca RR; et al: very rapid lactate measurement in ischemic perfused hearts using ¹H MRS continuous negative echo acquisition during steady-state frequency selective excitation, *Magn Res Med* 1988; 7: 65
- Keller CE See Sharma RP
- Keller CE See Williams CR
- Keller FS See Han SY
- Keller FS See Jones WP
- Keller FS See Kenney PJ
- Keller FS See Kozak BE
- Keller FS See Lawdahl RB
- Keller FS See Rosch J
- Keller FS See Schwartz ML
- Keller FS See Thorstad BL
- Keller FS See Vittek JJ
- Keller FS; Coyle M; Rosch J; Dotter CT: percutaneous renal ablation in patients with end-stage renal disease: alternative to surgical nephrectomy, *Radiology* 1986; 159: 447
- Keller FS; Rosch J; Loflin TG; Nath PH; McElvein RB: nonbronchial systemic collateral arteries: significance in percutaneous embolotherapy for hemoptysis, *Radiology* 1987; 164: 687
- Keller JB See Avery ME
- Keller MA: magnetic resonance imaging of the central nervous system, *Radiology* 1988; 167: 694
- Keller MS See Markowitz RI
- Keller MS See Strife JL
- Keller MS: sonography of the infant hip: atlas, *Radiology* 1987; 164: 126
- Keller MS; Chawla HS; Weiss AA: real-time sonography of infant hip dislocation, *Radiographics* 1986; 6: 447
- Keller MS; DiPietro MA; Teale RL; et al: periventricular cavitations in the first week of life, *AJNR* 1987; 8: 291
- Keller MS; Lal S; Wagner DK: percutaneous gastrostomy in a child, *Radiology* 1986; 160: 261
- Keller MS; Weiss AA: sonographic guidance for infant hip reduction under anesthesia, *Pediatr Radiol* 1988; 18: 174
- Keller MS; Weltin CG; Kattner Z; Taylor KJW; Rosenfield NS: normal instability of the hip in the neonate: US standards, *Radiology* 1988; 169: 733
- Keller MW; Feinstein SB; Briller RA; et al: automated production and analysis of echo contrast agents, *J Ultrasound Med* 1986; 5: 493
- Keller PJ; Hunter WW Jr; Schmalbrock P: multisection fat-water imaging with chemical shift selective presaturation, *Radiology* 1987; 164: 539
- Keller R See Braffman B
- Keller SM; Kaiser LR; Martini N: bilobectomy for bronchogenic carcinoma, (ab), *Radiology* 1988; 168: 291
- Keller WS See Kohn ML
- Kellerhouse LE See Van Lom KJ
- Kellermeyer RW See Haaga JR
- Kelley CJ See duCret RP
- Kelley D See Crooks LE
- Kelley JE See Oestmann JW
- Kellie SE See Hendee WR
- Kellman GM See Alpern MB
- Kellman GM See Foley WD
- Kellman GM See Kneeland JB
- Kellman GM See Middleton WD
- Kellman GM See Sandler MA
- Kellman GM; Alpern MB; Sandler MA; Craig BM: computed tomography of vena caval anomalies with embryologic correlation, *Radiographics* 1988; 8: 533
- Kellman GM; Kneeland JB; Middleton WD; et al: MR imaging of the supraclavicular region: normal anatomy, *AJR* 1987; 148: 77
- Kellum CD See Burke JW
- Kellum CD See Tegtmeyer CJ
- Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JV; Wyker AW; Lippert MC: role of radiology in extracorporeal shock wave therapy, *Radiology* 1987; 165: 431
- Kellum JM; Duma RJ; Gorbach SL; et al: single-dose antibiotic prophylaxis for biliary surgery: cefazolin vs. moxalactam, (ab), *Radiology* 1988; 166: 591
- Kelly AB; Zimmerman RD; Snow RB; et al: head trauma: comparison of MR and CT—experience in 100 patients, *AJNR* 1988; 9: 699
- Kelly BJ See Drane WE
- Kelly DR; Grant EG; Zeman RK; et al: in utero diagnosis of congenital diaphragmatic hernia by CT angiography, *JCAT* 1986; 10: 500
- Kelly JC See Stevenson RE
- Kelly JD See Roddie ME
- Kelly JK See Klein MA
- Kelly JK; Langevin JM; Price LM; et al: giant and symptomatic inflammatory polyps of the colon in idiopathic inflammatory bowel disease, (ab), *Radiology* 1987; 162: 883
- Kelly KA See O'Connell PR
- Kelly NI See Fajardo LF
- Kelly PJ See Earnest FIV
- Kelly RB; Mahoney PD; Cawley KM: MR demonstration of spinal cord sarcoidosis: report of a case, *AJNR* 1988; 9: 197
- Kelly RB; Mahoney PD; Frick MP: retroperitoneal recess: demonstration using computed tomography, *Invest Radiol* 1987; 22: 550
- Kelly RB; Mahoney PD; Johnson JF: calcified carcinoma of the lung and intracerebral metastasis, *CT* 1987; 11: 389
- Kelly RB; Mahoney PD; Johnson JF: CT demonstration of an unusual enteric duplication cyst, *JCAT* 1986; 10: 506
- Kelly S See Gulenchyn KY
- Kelly SJ; Wang KP: transbronchial needle aspiration, *J Thorac Imag* 1987; 2: 33
- Kelly TA; Rothbart RM; Cooper CM; et al: comparison of outcome of asymptomatic to symptomatic patients older than 20 years of age with valvular aortic stenosis, (ab), *Radiology* 1988; 169: 292
- Kelly WM See Clark JA H
- Kelly WM See Kucharczyk W
- Kelly WM; Kucharczyk W; Kucharczyk J; et al: posterior pituitary ectopia: an MR feature of pituitary dwarfism, *AJNR* 1988; 9: 453

Kelly

- Kelly WM; Faglen PG; Pearson JA; et al: ferromagnetism of intraocular foreign body causes unilateral blindness after MR study, *AJNR* 1986; 7: 243
- Kelly-Fry E See Jackson VP
- Kelsey C See Trysum M
- Kelsey CA See Pollei SR
- Kelsey CA: fundamentals of radiation dosimetry, *Radiology* 1986; 159: 422
- Kelsey CA; Lane RG; Moseley RD Jr; Mettler FA Jr; Rosenberg RD; Williams AG; Garcia JF; Feldman BS; Boardman RE: chest radiographs obtained with shaped filters: evaluation by observer performance tests, *Radiology* 1986; 159: 653
- Kelter U See Henriksson L
- Kelvin FM See Gluck WL
- Kelvin FM See Maglite DDT
- Kelvin FM See Silverman PM
- Kelvin FM; Gramm HF; Gluck WL; et al: radiologic manifestations of small-bowel toxicity due to fluorouridine therapy, *AJR* 1986; 146: 39
- Kelvin FM; Maglite DDT: colorectal carcinoma: radiologic and clinical review, *Radiology* 1987; 164: 1
- Kelvin FM; Maglite DDT; Stephens BA: colorectal carcinoma detected initially with barium enema examination: site distribution and implications, *Radiology* 1988; 169: 649
- Kemberling CR See Miller JH
- Kemeny AA See Pasztor E
- Kemeny N See Daly JM
- Kemink JL See Graham MD
- Kemp HBS; Byers TC: case report 444, *Skeletal Radiol* 1987; 16: 584
- Kemp KI; Jackson GL: simple classification system for mammographic reporting, *Radiology* 1987; 165: 319
- Kemp SS See Atlas SW
- Kemp SS See Grossman RI
- Kemp SS; Zimmerman R-A; Bilanski LT; et al: magnetic resonance imaging of the cerebral aqueduct, *Neuroradiol* 1987; 29: 430
- Kempin S See Rogers LR
- Kenady DE See Shih W-J
- Kenda R See De Palo G
- Kendall AR; Senay BA; Coll ME: spontaneous subcapsular renal hematoma: diagnosis and management, (ab), *Radiology* 1988; 168: 886
- Kendall B See Britton J
- Kendall B See Sandhu A
- Kendall B: iohexol in paediatric myelography: open non-comparative trial, *Neuroradiol* 1986; 28: 65
- Kendall B: spinal angiography with iohexol, *Neuroradiol* 1986; 28: 72
- Kendall B; Cavanagh N: intracranial calcification in paediatric computed tomography, *Neuroradiol* 1986; 28: 324
- Kendall BE See Kingsley DPE
- Kendall BE See Miller DH
- Kendall BE See Nelson MD
- Kendall BE See Stevens JM
- Kendall BE; Boyd SG; Egger J; et al: progressive neuronal degeneration of childhood with liver disease: computed tomographic features, *Neuroradiol* 1987; 29: 174
- Kendall JD See McConnell JR
- Kendig JW See Wood BP
- Keng PC See West CML
- Kenry MA See Richards TL
- Kenko Y See Ueda J
- Kennard D See Vade A
- Kennedy C; Rickards D; Lee S; et al: double-blind study comparing the efficiency, tolerance and renal effects of iopromide and iopamidol, *Br J Radiol* 1988; 61: 288
- Kennedy DR See Kalet IJ
- Kennedy DW See Zinreich SJ
- Kennedy G See Davies RP
- Kennedy JC See Whyte KM
- Kennedy JF; O'Connor MK; Humphrey H; et al: focus of recurrent septicaemia due to *Klebsiella* *ozaena* detected by indium leukocyte scintigraphy, *Clin Nucl Med* 1987; 12: 326
- Kennedy JJ See Myers JL
- Kennedy JL; Myers JL; Hump VJ; et al: amiodarone pulmonary toxicity: clinical, radiologic, and pathologic correlations, (ab), *Radiology* 1987; 163: 837
- Kennedy KA; Hait WN; Lazo JS: chemical modulation of bleomycin induced toxicity, *Int J Radiat Oncol Biol Phys* 1986; 12: 1367
- Kennedy M See Rubenstein SE
- Kennedell JJ See Mittal BB
- Kennegaw D See de Paredes ES
- Kennedy IJ; Aiken CG; Lenney W: frusemide-induced nephrocalcinosis in very low birth weight infants, *Pediatr Radiol* 1988; 18: 323
- Kennedy IJ; Hendry GMA; Mackinlay GA: spontaneous regression of mesenchymal hamartoma: observations using ultrasound, *JCU* 1986; 14: 72
- Kennedy IJ; Mackay IG: haematuria: red herring?, *Br J Radiol* 1986; 59: 417
- Kennedy IJ; Wild SR: renal parenchymal junctional line in children: ultrasonic frequency and appearances, *Br J Radiol* 1987; 60: 865
- Kenney PJ See Berland LL
- Kenney PJ See Koslin DB
- Kenney PJ See Pollack H
- Kenney PJ; Brinko RE; Patel DV; et al: sonography of the kidneys in hemolytic uremic syndrome, *Invest Radiol* 1986; 21: 547
- Kenney PJ; Keller FS; Koehler RE: functional adrenal disease: radiologic evaluation in a patient with anomalous kidneys, *AJR* 1986; 147: 289
- Kenney PJ; Panicek DM; Witanowski LS: computed tomography of ureteral disruption, *JCAT* 1987; 11: 480
- Kenney PJ; Stanley RJ: calcified adrenal masses, *Urol Radiol* 1987; 9: 9
- Kenney PJ; Stanley RJ: computed tomography of ureteral tumors, *JCAT* 1987; 11: 102
- Kenney PJ; Streeten DP; Anderson GH: difficulties in the prospective diagnosis of functional adrenal diseases by CT, *Urol Radiol* 1986; 8: 184
- Kenney PJ; Wasserman NF: ureteral pseudodiverticulosis associated with carcinoma of renal pelvis, *Urol Radiol* 1987; 9: 161
- Kenney SM See Arundel CM
- Kenny J See Loughran CF
- Kenny JB; Carty HML: infants presenting with respiratory distress due to anterior mediastinal teratomas: a report of three cases and a review of the literature, *Br J Radiol* 1988; 61: 241
- Kenny JM See Scartrige JC
- Kenny KR; Nash JE; Abrahams C; Zarins CK: recanalization of obstructed arteries with a flexible, rotating tip catheter, *Radiology* 1987; 165: 387
- Kent DL; Larson EB: magnetic resonance imaging of the brain and spine: is clinical efficacy established after the first decade?, (ab), *Radiology* 1988; 169: 589
- Kent S See Goldman MH
- Kenton LA See Urano M
- Kepka A See Bobba VS
- Ker M; Seeley GW; Stempski MO; et al: protocol for verifying truth of diagnosis: preliminary report, *Invest Radiol* 1988; 23: 485
- Kera M See Hosoya T
- Keramati B See Mirvis SE
- Keramati B See Rothe AJ
- Keramati B; Whitley NO; Didolker MS; et al: computed tomography of the liver after dearterialization and intraarterial chemotherapy, *CT* 1986; 10: 303
- Kerber CW See Cromwell LD
- Kerber CW See Horton JA
- Kerboul P See Bruneton J-N
- Kerelakes JG; Saenger EJ; Thomas SR: reactor accident at Chernobyl: nuclear medicine practitioner's perspective, *Semin Nucl Med* 1986; 16: 224
- Kerlakes JG See Steichen JJ
- Kerlan RK Jr See Daniels JR
- Kerlan RK Jr See Dooms GC
- Kerlan RK Jr; LaBerge JM; Goldberg HI; et al: interventional radiologic management of sclerosing cholangitis, *AJR* 1986; 147: 1002
- Kerlan RK Jr; Pogany AC; Burke DR; et al: angiographic management of upper gastrointestinal hemorrhage, *AJR* 1986; 147: 1185
- Kerlan RK Jr; Ring EJ: replaceable sump lumen catheter for abscess drainage, *Gastrointest Radiol* 1986; 11: 112
- Kern A See Volle E
- Kern JA See Marinelli DL
- Kern KA; Brunetti A; Norton JA; et al: metabolic imaging of human extremity musculoskeletal tumors by PET, *J Nucl Med* 1988; 29: 181
- Kern MJ See Galan KM
- Kern CB See Park H-M
- Kerner TC See Tarr RW
- Kerns S; Pope TL Jr; de Lange EE; et al: annulus fibrosus calcification in the cervical spine: radiologic-pathologic correlation, *Skeletal Radiol* 1986; 15: 605
- Kerr GR See Duncan W
- Kerr GR See Preston CI
- Kerr GR See Price A
- Kerr GR See Quilty PM
- Kerr GR See Snee MP
- Kerr IH See Coultis II
- Kerr IH See Crockford MP
- Kerr JC See Lynch TG
- Kerr R See Sartoris DJ
- Kerr R; Bjorkengren A; Bielecki DK; et al: destructive spondyloarthropathy in hemodialysis patients: report of four cases and prospective study, *Skeletal Radiol* 1988; 17: 176
- Kerr R; Resnick D; Pineda C: CT analysis of proximal femoral trabecular pattern simulating skeletal pathology, *JCAT* 1988; 12: 227
- Kerrenans A See Costens F
- Kersh CB; Constable WC; Elser DR; et al: palliative radiotherapy in the management of pancreatic carcinoma: combined interstitial and external beam therapy, *Br J Radiol* 1988; 61: 408
- Kershaw JB See Bloodworth LL
- Kerschoot E See van Dam PA
- Kerschoot EA; Hermans M-E; Pauwels C; Gildemyn G; Charbeau P; De Vos L; Van Hoorde P: juvenile papillomatosis of the breast: sonographic appearance, *Radiology* 1988; 169: 631
- Kerstien MD See Kitahama A
- Kersting-Sommerhoff BA; Higgins CB; White RD; Sommerhoff CP; Lipton MJ: aortic dissection: sensitivity and specificity of MR imaging, *Radiology* 1988; 166: 651
- Kersting-Sommerhoff BA; Sechtem UP; Fisher MR; et al: MR imaging of congenital anomalies of the aortic arch, *AJR* 1987; 149: 9
- Kersting-Sommerhoff BA; Sechtem UP; Schiller NB; et al: MR imaging of the thoracic aorta in Marfan patients, *JCAT* 1987; 11: 633
- Kertes A See Sweetland J
- Kesek P See Ekberg O
- Keshavarzian A See Pring DJ
- Keslar PJ; Turbinder EH: hepatobiliary imaging and the use of intravenous morphine, *Clin Nucl Med* 1987; 12: 592
- Kess H See Requardt H
- Kessel A See Bodurtha J
- Kesselberg M See Holte S
- Kessler A See Morag B
- Kessler DJ; Mickel RA; Calcaterra TC: malignant salivary gland tumors of the base of the tongue, (ab), *Radiology* 1986; 161: 862
- Kessler HB See Gatenby RA
- Kessler HB See Unger EC
- Kessler R See Drolshagen LF
- Kessler RM See Freeman MP
- Kessler RM See Powers TA
- Kessler RM See Tarr RW
- Kessler RM; Partain CL; Price RR; et al: positron emission tomography: prospects for clinical utility, *Invest Radiol* 1987; 22: 529
- Kessler WO See Lurie AL
- Kestler C See Kutcher GJ
- Keszthelyi-Landori S; Nal(Ti) camera crystals: imaging capabilities of hydrated regions on the crystal surface, *Radiology* 1986; 158: 823
- Ketiku KK: pattern of metastases in Nigerian breast cancer patients, *Clin Radiol* 1986; 37: 563
- Ketonen L; Gyldested C: lumbar disc disease evaluated by myelography and postmyelography spinal computed tomography, *Neuroradiol* 1986; 28: 144
- Ketonen L; Oksanen V; Kuuliala I; et al: hypodense white matter lesions in computed tomography of neurosarcoidosis, *JCAT* 1986; 10: 181
- Ketonen L; Oksanen V; Kuuliala I: preliminary experience of magnetic resonance imaging in neurosarcoidosis, *Neuroradiol* 1987; 29: 127
- Kettler MD See Taylor DC
- Kettrick RG See Finholt DA
- Kettyer S See Cholanteril JV
- Kewenter J; Jensen J; Boijeen M; et al: perception errors with double-contrast enema after a positive guaiac test, *Gastrointest Radiol* 1987; 12: 79
- Kewley G See Bye AME
- Key H; Jackson PC; Thomas EA; et al: accuracy of digital subtraction angiography for the quantification of atherosclerosis, *Br J Radiol* 1987; 60: 1083
- Keyes JW Jr See Kircos LT
- Keyes JW Jr See Westley KA
- Keyes WD See Smoker WRK
- Keyeux A; Laterre C; Beckers C: resting and hypercapnic rCBF in patients with unilateral occlusive disease of the internal carotid artery, *J Nucl Med* 1988; 29: 311
- Keys H See Anthony P
- Keys H See Konski A
- Keys T See Prato FS
- Keyser CK; Gilula LA; Hardy DC; et al: soft-tissue abnormalities of the foot and ankle: CT diagnosis, *AJR* 1988; 150: 845
- Khafagi F; Egerton-Vernon J; van Doorn T; et al: localization and treatment of familial malignant nonfunctional paraganglioma with iodine-131 MIBG: report of two cases, *J Nucl Med* 1987; 28: 528
- Khaja F See Alam M
- Khakoo R See McKenzie R
- Khalafi F; Bennaceur B; Hammou A; et al: autosomal recessive disorder with retardation of growth, mental deficiency, ptosis, pectus excavatum and camptodactyly, *Pediatr Radiol* 1988; 18: 432
- Khalil AH: CT values in orbital hydatid cyst, *Comput Radiol* 1987; 11: 193
- Khalluff E See Bidwell JK
- Khalifa S See Kundel HL
- Khalifa SS See De Simone DN
- Khamash NF; Halikar RK; Abdel-Dayem HM: use of technetium-99m pertechnetate in postoperative thyroid carcinoma: a comparative study with iodine-131, *Clin Nucl Med* 1988; 13: 17

- Khan A See Ismail I
 Khan A See Mustafa K
 Khan A; Herman PG: Intrathoracic manifestations of lymphoma. *Semin US CT MR* 1986; 7: 18
 Khan AN See Bisset RAL
 Khan AN; Bisset RAL: complex cystic abdominal mass: an unusual presentation of Crohn's disease in an anticoagulated patient. *JCU* 1988; 16: 271
 Khan MA See Yagan R
 Khan N See Abdel-Dayem HM
 Khan O; Cosgrove DO; Fried AM; Savage PE: ovarian carcinoma follow-up: US versus laparotomy. *Radiology* 1986; 159: 111
 Khan SR; Hackett RL; Finlayson B: morphology of urinary stone particles resulting from ESWL treatment. (ab). *Radiology* 1987; 163: 588
 Khandekar A See Cole FH
 Khangure MS See Foulner D
 Khangure MS See Greenberger R
 Khangure MS See Hankey GJ
 Khangure MS; Jacoby CG: CT spectrum of metastatic disease to the orbit and eye. *Australas Radiol* 1987; 31: 16
 Khanna S; Kirwan P; Naftalin NJ; et al: treatment of stages II, III and IV primary surface epithelial ovarian cancer by maximum bulk tumour reduction and combined chemotherapy with cyclophosphamide, doxorubicin and cisplatin. *Clin Radiol* 1986; 37: 187
 Khardori N; McCredie K; Bodey GP: Brown sequard syndrome secondary to soft tissue infection in a patient with acute lymphocyte leukemia. *Neuroradiol* 1988; 30: 348
 Khasidy LR; Ansong K; Smith AD: physical characteristics of percutaneous nephroscopies. (ab). *Radiology* 1986; 158: 569
 Khaw BA; Cooney J; Edgington T; et al: differences in experimental tumor localization of dual-labeled monoclonal antibody. *J Nucl Med* 1986; 27: 1293
 Khaw BA; Strauss HW; Moore R; et al: myocardial damage delineated by indium-111 antihypoxanthine and technetium-99m pyrophosphate. *J Nucl Med* 1987; 28: 76
 Khaw BA; Yasuda T; Gold HK; et al: acute myocardial infarct imaging with indium-111-labeled monoclonal antihypoxanthine Fab. *J Nucl Med* 1988; 29: 1671
 Khayat G; Achram M; Rizk C: role of breast scintigraphy in detecting breast masses. (ab). *Radiology* 1986; 158: 566
 Khedkar N See Ackerman L
 Khedkar NY See Wolpe FM
 Khenia S See Young JR
 Khentigan A See Engelstad BL
 Khethry U See Kane RA
 Khilnani N See Mendelson DS
 Khine NM See Buxton RC
 Khodadoust K See Mainwaring BL
 Khoo FY; Kanagasantharam R; Chia KB; et al: normal nasopharyngogram. *AJR* 1986; 147: 145
 Khoisa VK; Kak VK; Mathuriya SN: chronic spinal subdural hematomas: report of two cases. (ab). *Radiology* 1986; 161: 287
 Khoisa A; Berry M; Mukhopadhyay S; et al: ultrasonography in acute upper abdomen. *Australas Radiol* 1987; 31: 62
 Khouri MR; Mintz MC; Coleman BG: aneurysmal dilatation of a patent umbilical vein masquerading as a pancreatic pseudocyst: CT characteristics. *JCAT* 1988; 12: 662
 Khouri NF See Hamper UM
 Khouri NF See Kuhlman JE
 Khouri NF See Mezlane MA
 Khouri NF See Siegelman SS
 Khouri NF See Zerhouni EA
 Khouri NF; Mezlane MA: transthoracic needle aspiration biopsy—optimizing the yield. *J Thorac Imag* 1987; 2: 18
 Khoury GG See Owens OJ
 Khoury GG; Paterson ICM: nasopharyngeal carcinoma: review of cases treated by radiotherapy and chemotherapy. *Clin Radiol* 1987; 38: 17
 Khoury MB See Apple JS
 Khoury MB See Daffner RH
 Khoury MB See Mainwaring BL
 Khoury MB; Dolan E: sideways dislocation of the temporomandibular joint meniscus: edge sign. *AJNR* 1986; 7: 869
 Khoury MB; Godwin JD; Halvorsen RA Jr; Hanun Y; Putman CE: role of chest CT in non-Hodgkin lymphoma. *Radiology* 1986; 158: 659
 Khreissat S See Williams ES
 Khosainov AA See Shilnikov GV
 Khushalani S See Majid OA
 Kibbe MB See Lichtman JB
 Kida T; Hujita Y; Munaka S; et al: malignant hemangioendothelioma demonstrated by thallium imaging. *Clin Nucl Med* 1987; 12: 886
 Kidambi AV See Kidambi H
 Kidambi H; Herbert R; Kidambi AV: ultrasonic demonstration of superior mesenteric and splenoportal venous thrombosis. *JCU* 1986; 14: 199
 Kidney M; Goiney R; Cooperberg PL: adenomyomatosis of the gallbladder: pictorial exhibit. *J Ultrasound Med* 1986; 5: 331
 Kido DK See Harnish P
 Kido DK See Holts SL
 Kido DK See Rubin DI
 Kido DK See Simon JH
 Kido DK; Morris TW; Erickson JL; et al: physiologic changes during high field strength MR imaging. *AJNR* 1987; 8: 263
 Kido H See Daimaru Y
 Kieffer SA See Hochhauser L
 Kieffer SA; Kricheff II; Drayer BP; Hasso AN; Lukin RR: November 1985 neuroradiology film interpretation session. *Radiographics* 1986; 6: 287
 Kieffer SA; Segall HD; Modic MT; Drayer BP: neuroradiology. RSNA '87 meeting notes. *Radiology* 1988; 166: 604
 Kieft GJ See Obermann WR
 Kieft GJ; Bloem JL; Obermann WR; Verbout AJ; Rozing PM; Doornbos J: normal shoulder: MR imaging. *Radiology* 1986; 159: 741
 Kieft GJ; Bloem JL; Rozing PM; et al: MR imaging of recurrent anterior dislocation of the shoulder: comparison with CT arthrography. *AJR* 1988; 150: 1083
 Kieft GJ; Bloem JL; Rozing PM; Obermann WR: rotator cuff impingement syndrome: MR imaging. *Radiology* 1988; 166: 211
 Kieft GJ; Sartoris DJ; Bloem JL; et al: magnetic resonance imaging of glenohumeral joint diseases. *Skeletal Radiol* 1987; 16: 285
 Kiely EA See Hartnell GG
 Kien P See Allard M
 Kien P See Boieserie-Lacroix M
 Kien P See Cassel C
 Kien P See Gressle JF
 Kien P See Guillard J-M
 Kienzie GD; Goldenberg MH; Just NWM; et al: facial nerve neuroma presenting as middle cranial fossa mass: CT appearance. *JCAT* 1986; 10: 391
 Kier EL See Tash RR
 Kier R See Baker ME
 Kier R See Ramos IM
 Kier R; Blinder RA; Herfkens RJ; et al: MR imaging with surface coils in primary hyperparathyroidism. *JCAT* 1987; 11: 863
 Kier R; Godwin JD: residual cavities of lung metastases following chemotherapy. *Comput Radiol* 1986; 10: 293
 Kier R; Herfkens RJ; Blinder RA; et al: MRI with surface coils for parathyroid tumors: preliminary investigation. *AJR* 1986; 147: 497
 Kier R; McCarthy S; Rosenfield AT; Rosenfield NS; Rapoport S; Weiss RM: nonpalpable testes in young boys: evaluation with MR imaging. *Radiology* 1988; 169: 429
 Kier R; Wain SL; Apple J; et al: osteoarthritis of the sternoclavicular joint: radiographic features and pathologic correlation. *Invest Radiol* 1986; 21: 227
 Kieras K See Rich S
 Kiernan H See Singson RD
 Kijewski MF See Mueller SP
 Kijewski PK See Cheng CW
 Kijewski PK See Murphy SB
 Kikinis R; von Schulthess GK; Jager P; Durr R; Bino M; Kuoni W; Kubler O: normal and hydronephrotic kidney: evaluation of renal function with contrast-enhanced MR imaging. *Radiology* 1987; 165: 837
 Kikuchi H See Minami S
 Kikuchi H See Takeuchi S
 Kikuchi K See Fujisawa I
 Kikuchi K; Kowada M; Sakamoto T; et al: Wyburn-Mason syndrome: report of a rare case with computed tomography and angiographic evaluations. *CT* 1988; 12: 111
 Kikuchi Y See Smith HJ
 Kikuchi Y; Levine MS; Laufer I; et al: value of flow technique for double-contrast examination of the stomach. *AJR* 1986; 147: 1183
 Kikuchi Y; Strother CM; Boyer M: new catheter for endovascular interventional procedures. *Radiology* 1987; 165: 870
 Kilbey J See Walters NA
 Kilbourn MR See Brodack JW
 Kilbourn MR; Dence CS; Welch MJ; et al: fluorine-18 labeling of proteins. *J Nucl Med* 1987; 28: 462
 Kilcoyne RF See Castagno AA
 Kilcoyne RF See Foster MA
 Kilcoyne RF See Goodlitt MM
 Kilcoyne RF See Montana MA
 Kilcoyne RF See Richardson ML
 Kilcoyne RF; Cope R; Cunningham W; et al: minimal spinal hyperostosis with low-dose isotretinoin therapy. *Invest Radiol* 1986; 21: 41
 Kilgore DP See Daniels DL
 Kilgore DP; Breger RK; Daniels DL; Pujanas KW; Williams AL; Houghton VM: ranial tissues: normal MR appearance after intravenous injection of Gd-DTPA. *Radiology* 1986; 160: 757
 Kilgore DP; Strother CM; Starnak RJ; Houghton VM: pineal germinoma: MR imaging. *Radiology* 1986; 158: 435
 Killackey MA; Neuwirth RS: evaluation and management of the pelvic mass: a review of 540 cases. (ab). *Radiology* 1988; 169: 291
 Killam AP See Mahony RS
 Killen J See Hasso AN
 Kilman JW See Kolabash AJ Jr
 Kilman WJ See Vasquez RE
 Kim B-H; Ishida Y; Tsunoka Y; et al: effects of spontaneous respiration on right and left ventricular function: evaluation by respiratory and ECG gated radionuclide ventriculography. *J Nucl Med* 1987; 28: 173
 Kim C See Farah MC
 Kim CK; Fine EJ; Blaufus MD: nonvisualization of both kidneys with I-131 orthiodiphenylpyridate scintigraphy. *Semin Nucl Med* 1988; 18: 68
 Kim CS See Meyer JS
 Kim C-W See Chang KH
 Kim C-W See Choi BI
 Kim C-W See Im J-G
 Kim CW See Park JH
 Kim CY See Choi BI
 Kim D See Crivello MS
 Kim D See Orron DE
 Kim D See Parker JA
 Kim D See Porter DH
 Kim D; Turkel DJ; Orron DE; et al: percutaneous atheroma removal using a wire basket. *AJR* 1987; 149: 625
 Kim DI See Park CH
 Kim DJ See Park HW
 Kim DS; Chung SR; Park M; et al: comparative review of diagnostic accuracy in tubal pregnancy: a 14-year survey of 1,040 cases. (ab). *Radiology* 1988; 164: 910
 Kim EE See Jaramillo D
 Kim EE See Kulkarni MV
 Kim EE See Podoloff DA
 Kim EE; Pjura GA; Lowry PA; et al: morphine-augmented cholecystigraphy in the diagnosis of acute cholecystitis. *AJR* 1986; 147: 1177
 Kim EE; Pjura GA; Lowry PA; et al: osteomyelitis complicating fracture: pitfalls of ¹¹¹In leukocyte scintigraphy. *AJR* 1987; 148: 927
 Kim EE; Pjura GA; Lowry PA; Verani R; Sandler CM; Flechner SM; Kahan B: cyclosporin-A nephrotoxicity and acute cellular rejection in renal transplant recipients: correlation between radionuclide and histologic findings. *Radiology* 1986; 159: 443
 Kim GS See McAllister WH
 Kim HC See Alavi A
 Kim I See Chung SY
 Kim JA See Fortier GA
 Kim J-A See Hahn SS
 Kim KS See Regenbogen VS
 Kim KS; Rogers LF; Goldblatt D: CT features of hyperostosing meningioma en plaque. *AJNR* 1987; 8: 853
 Kim KS; Walczak TS: computed tomography of deep cerebral venous thrombosis. *JCAT* 1986; 10: 386
 Kim KS; Weinberg PE: simple method to form an open loop with the sidewinder catheter for cerebral angiography. *Neuroradiol* 1987; 29: 76
 Kim KW See Choi BI
 Kim KW; Berkmen YM; Auh YH; et al: diagnosis of epiphrenic esophageal diverticulum by computed tomography. *CT* 1988; 12: 25
 Kim MH See Allen HA III
 Kim OH See Bahk YW
 Kim P; Ishijima B; Takahashi H; et al: hemiparesis caused by vertebral artery compression of the medulla oblongata. (ab). *Radiology* 1986; 158: 284
 Kim RY; Salter MM; Shingleton HM: adjuvant postoperative radiation therapy following radical hysterectomy in Stage IB CA of the cervix—analysis of treatment failure. *Int J Radiat Oncol Biol Phys* 1988; 14: 445
 Kim RY; Weppelmann B; Salter MM; et al: skeletal metastases from cancer of the uterine cervix: frequency, patterns, and radiotherapeutic significance. *Int J Radiat Oncol Biol Phys* 1987; 13: 705
 Kim S See Intenzo CM
 Kim S See Intenzo CM
 Kim S; Chew FS: choledochal varices. *AJR* 1988; 150: 578
 Kim SH See Choi BI
 Kim SM; Park CH; Gartland JJ: stress fracture of the pubic ramus in a swimmer. *Clin Nucl Med* 1987; 12: 118
 Kim SM; Park CH; Thakur ML: platelet sequestration in widespread pulmonary hemangiolymphangiectasia: demonstration by indium-111 labeled platelets. *Clin Nucl Med* 1987; 12: 215
 Kim SM; Park CH; Yang S-L; et al: pathognomonic scintigraphic finding of hepatic cavernous hemangioma. *Clin Nucl Med* 1987; 12: 53

- Kim SY See Lim JH
 Kim SY See Sohn HK
 Kim T See Mammi B
 Kim T See MacMahon H
 Kim TH; Ramsay NK; Steeves RA; et al: intermittent central nervous system irradiation and intrathecal chemotherapy for central nervous system leukemia in children. *Int J Radiat Oncol Biol Phys* 1987; 13: 1451
 Kim W See White RI Jr
 Kim WH See Choi BI
 Kim WS See Chang KH
 Kim WS See Kumar AJ
 Kim YH See Ahmad K
 Kim YH See Park HW
 Kim YI See Choi BI
 Kim YS; Mun CW; Cho ZH: chemical-shift imaging with large magnetic field inhomogeneity. *Magn Res Med* 1987; 4: 452
 Kim YS; Mun CW; Jung KJ; et al: further improvement of high-speed NMR flow-velocity measurement using a differential phase-encoding technique. *Magn Res Med* 1987; 4: 289
 Kim YT See Ward WF
 Kimball DA See Seabold JE
 Kimball DA; Yuh WTC; Farmer RM: MR diagnosis of penile thrombosis. *JCAT* 1988; 12: 604
 Kimbrell-Wilmot K See Spring DB
 Kim-Kern M-S See Merz E
 Kimler BF See Hart RM
 Kimme-Smith C See Bassett LW
 Kimme-Smith C See Gold RH
 Kimme-Smith C; Bassett LW; Gold RH: evaluation of radiation dose, focal spot, and automatic exposure of newer film-screen mammography units. *AJR* 1987; 149: 913
 Kimme-Smith C; Bassett LW; Gold RH: high frequency breast ultrasound: hand-held versus automated units: examination for palpable mass versus screening. *J Ultrasound Med* 1988; 7: 77
 Kimme-Smith C; Bassett LW; Gold RH; Orr J: mammographic dual-screen-dual-emulsion-film combination: visibility of simulated microcalcifications and effect on image contrast. *Radiology* 1987; 165: 313
 Kimme-Smith C; Bassett LW; King W III: calibration of automated water-path breast ultrasound scanners. *J Ultrasound Med* 1986; 5: 721
 Kimmey MB See Wang KY
 Kimmey MB; Silverstein FE; Haggitt RC; et al: cross-sectional imaging method: system to compare ultrasound, computed tomography, and magnetic resonance with histologic findings. *Invest Radiol* 1987; 22: 227
 Kimmig B See Eisenhut M
 Kimmig BN See Adolph JMG
 Kimura A; Nakamura S; Nizuma M; et al: quantitative analysis of ultrasonogram of the prostate. *JCU* 1986; 14: 501
 Kimura K See Ebara M
 Kimura K See Kashiwagi T
 Kimura R See Shibamoto Y
 Kinard R See Ritchey ML
 Kinard RE See Feaster SH
 Kinard RE See McNeely GF
 Kinard RE; Orrison WW: ultrasound demonstration of the retroaortic left renal vein. *JCU* 1986; 14: 151
 Kinard RE; Orrison WW; Brogdon BG; et al: MR imaging of milk of calcium renal cyst. *JCAT* 1986; 10: 1057
 Kinard RE; Orrison WW; Brogdon BG: value of a worksheet in reporting body-CT examinations. *AJR* 1986; 147: 848
 Kindblom L-G See Berlin O
 King BF; Kopecky KK; Baker MK; et al: extramedullary hematopoiesis in the adrenal glands: CT characteristics. *JCAT* 1987; 11: 342
 King D See Abrams RA
 King D See Stewart CA
 King DE See Athey PA
 King DJ; Baylis AP; Bennett B; et al: unusual presentation of opportunistic infections in patients with leukemia: identification of fungal lesions by ultrasound. *JCU* 1987; 15: 486
 King DL See Luzzi FL
 King DW See El Gammal T
 King GA See Krueger JB
 King GT See Zagoria RJ
 King HA See Rosenbaum DM
 King J See Mourad K
 King LR See Hertzberg BS
 King M See Frato FS
 King MA; Glick SJ; Penney BC; et al: interactive visual optimization of SPECT prereconstruction filtering. *J Nucl Med* 1987; 28: 1192
 King MA; Schwinger RB; Penney BC; et al: digital restoration of indium-111 and iodine-123 SPECT images with optimized Metz filters. *J Nucl Med* 1986; 27: 1327
 King NJC See Holmes KT
 King PS See Nokes SR
 King PS; Cooperberg PL; Madigan SM: anechoic crescent in abdominal aortic aneurysms: not a sign of dissection. *AJR* 1986; 146: 345
 King RM; Pluth JR; Giuliani ER; et al: association of unexplained gastrointestinal bleeding with calcific aortic stenosis. (ab). *Radiology* 1988; 167: 882
 King RM; Pluth JR; Giuliani ER; et al: mechanical calcification of the aortic valve. (ab). *Radiology* 1987; 163: 589
 King SB III See Anderson HV
 King TE See Watters LC
 King W See Brown RKJ
 King W III See Bassett LW
 King W III See Kimme-Smith C
 King WWK See Smith JRG
 Kingma LM See Heystraten FM
 Kingsley DFE See Curati WL
 Kingsley DFE See Lewis TT
 Kingsley DFE; Kendall BE; et al: R: tuberculous sclerosis: clinicoradiologic evaluation of 110 cases with particular reference to atypical presentation. *Neuroradiology* 1986; 27: 38
 Kingston JE See Doniach I
 Kinkel PR See Jacobs L
 Kinkel PR See Rudick RA
 Kinkel WR See Jacobs L
 Kinkhabwala M See Patel NP
 Kinne D See McCormick B
 Kinnear WJM See Phillips MS
 Kinnison ML See Brewer ML
 Kinnison ML See Murray RR Jr
 Kinnison ML See Powe NR
 Kinnison ML See White RI Jr
 Kinnison ML; Kadir S; Strandberg JD; Anderson JH; White RI Jr: percutaneous spermatic vein occlusion: evaluation of sclerosing agents in experimental animals. *Radiology* 1986; 161: 299
 Kinnison ML; Kaufman SL; Chang R; et al: upper-extremity venography using digital subtraction angiography. *Cardiovasc Intervent Radiol* 1986; 9: 106
 Kinnison ML; Perler BA: in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications: reply. *Radiology* 1987; 163: 584
 Kinnison ML; Perler BA; Kaufman SL; Mitchell SE; Kadir S; Williams CM; White RI Jr: in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications. *Radiology* 1986; 160: 727
 Kinnison ML; Steinberg EP; Powe NR; Anderson GF: reducing the cost of using contrast media: a look at discarded volumes. *Radiology* 1988; 166: 367
 Kinnunen J; Götthlin JH: effect of alcohol intake on the radiographic quality in patients with midfacial trauma. *Acta Radiol* 1988; 29: 217
 Kinnunen J; Götthlin JH; Hopfner-Hallikainen D: effect of radiologist supervision on technician performance and image quality in radiography of middle face trauma. *Eur J Radiol* 1988; 8: 2
 Kinnunen J; Götthlin JH; Tötterman S: effect of training and experience on radiologic diagnostic performance in midfacial trauma. *Acta Radiol* 1988; 29: 83
 Kinori I See Wechsel RJ
 Kinori I: case of the season. *Semin Roentgenol* 1987; 22: 146
 Kinori I; Rifkin MD: truly wandering spleen. *J Ultrasound Med* 1988; 7: 101
 Kinoshita K See Nakano S
 Kinoshita K See Ueda T
 Kinoshita M See Iwasaki Y
 Kinoshita Y See Iwai A
 Kinsella TJ See Fraass BA
 Kinsella TJ See McKenna WG
 Kinsella TJ See Miller RW
 Kinsella TJ See Mitchell JB
 Kinsella TJ See Russo A
 Kinsella TJ See Sindelar WF
 Kinsella TJ See Stea B
 Kinsella TJ; Dobson PF; Mitchell JB; et al: enhancement of x ray induced DNA damage by pre-treatment with halogenated pyrimidine analogs. *Int J Radiat Oncol Biol Phys* 1987; 13: 733
 Kinsella TJ; Dobson PF; Mitchell JB: interaction of iododeoxyuridine and its primary metabolite, idouracil on radiation response. *Int J Radiat Oncol Biol Phys* 1986; 12: 1519
 Kinsella TJ; Dobson PF; Russo A; et al: modulation of x ray DNA damage by SR-2508 \pm buthionine sulfoximine. *Int J Radiat Oncol Biol Phys* 1986; 12: 1127
 Kinsella TJ; Sindelar WF; DeLuca AM; et al: tolerance of the canine bladder to intraoperative radiation therapy: an experimental study. *Int J Radiat Oncol Biol Phys* 1988; 14: 939
 Kintanar C; Cramer BC; Reid WD; et al: neonatal renal candidiasis: sonographic diagnosis. *AJR* 1986; 147: 801
 Kinzie JJ See Hazuka MB
 Kinzie JJ See Thomas FRM
 Kipper M See Taylor A Jr
 Kipper MS; Wiltzium KF; Taylor A Jr: visual determination of differential renal function. *Clin Nucl Med* 1986; 11: 313
 Kirby TH; Hanson WF; Gastorf RJ; et al: mailable TLD system for photon and electron therapy beams. *Int J Radiat Oncol Biol Phys* 1986; 12: 261
 Kirchner K: diagnostik des akuten abdomens mit bildgebenden verfahren. ein klinisch-radiologisches konzept (diagnosis of the acute abdomen with diagnostic imaging technologies. a clinico-radiologic approach). *Radiology* 1986; 161: 146
 Kirchner JA See Souliere CR Jr
 Kirchner PT See Boonkitchcharoen V
 Kirchner PT See Myerly KF
 Kirchner PT See Rezaei K
 Kirchner SG See Heller KM
 Kiroos LT; Carey JE Jr; Keyes JW Jr: quantitative organ visualization using SPECT. *J Nucl Med* 1987; 28: 334
 Kiri M See Shimizu K
 Kirk G See Osborn RE
 Kirk GA; Schulz EE: usefulness of SPECT in evaluating osteosarcoma metastases to the lung. *Clin Nucl Med* 1987; 12: 356
 Kirkeide RL See Goldstein RA
 Kirkham FJ See Padayachee TS
 Kirkinen P; Muller R; Baumann H; et al: cerebral blood flow velocity waveforms in hydrocephalic fetuses. *JCU* 1988; 16: 493
 Kirklín JK See Adey CK
 Kirklín JK See Shin MS
 Kirklín JW See Shin MS
 Kirkpatrick AE; Law J: comparative study of films and screens for mammography. *Br J Radiol* 1987; 60: 73
 Kirkpatrick J Jr See Hernandez-Schulman M
 Kirkpatrick JA See Elkin M
 Kirkpatrick JA Jr See Newman B
 Kirkpatrick JB; Hayman LA: white-matter lesions in MR imaging of clinically healthy brains of elderly subjects: possible pathologic basis. *Radiology* 1987; 162: 509
 Kirkpatrick JB; Hayman LA: white-matter lesions in MR imaging of elderly subjects: reply. *Radiology* 1987; 164: 874
 Kirks DR See Apple JS
 Kirks DR See Bisset GS III
 Kirks DR See Boussvaros A
 Kirks DR See Brody AS
 Kirks DR See Lourie GL
 Kirks DR See Vyderney KH
 Kirks DR See Woodruff WW III
 Kirks DR: Society for Pediatric Radiology: 30 years later. *AJR* 1988; 151: 151
 Kirks DR; Bowie JD: cranial ultrasonography of neonatal periventricular/intraventricular hemorrhage: who, how, why and when? *Pediatr Radiol* 1986; 16: 114
 Kirks DR; Currarino G; Chen JTT: mediastinal collateral arteries: important vessels in coarctation of the aorta. *AJR* 1986; 146: 757
 Kirks DR; Kaufman RA; Babcock DS: renal neoplasms in infants and children. *Semin Roentgenol* 1987; 22: 292
 Kirkegar M See Abiri MM
 Kirkegar M; Abiri MM; Hilfer C; et al: ultrasound in the diagnosis of systemic candidiasis (renal and cranial) in very low birth weight premature infants. *Pediatr Radiol* 1986; 16: 17
 Kirshner HS See Runge VM
 Kirwan P See Khanna S
 Kiser LC See Munn CS
 Kiser PE See Henry DA
 Kishikawa T See Fukuya T
 Kishk SM; Darweesh RMA; Dodds WJ; et al: sonographic evaluation of resting gallbladder volume and postprandial emptying in patients with gallstones. *AJR* 1987; 148: 875
 Kishore PRS See Fatouros PP
 Kislas S See Hill LM
 Kispert DB See Forbes G
 Kispert DB See Ormson MJ
 Kispert DB See Plunkett MB
 Kissin CM; Bellamy EA; Cosgrove DO; et al: focal sparing in fatty infiltration of the liver. *Br J Radiol* 1986; 59: 25
 Kissin CM; Grundy A: percutaneous transhepatic cholangiography in the investigation of the persistent postoperative bile leak. *Gastrointest Radiol* 1987; 12: 215
 Kissin CM; Husband JE; Nicholas D; Eversman W: benign thymic enlargement in adults after chemotherapy: CT demonstration. *Radiology* 1987; 163: 67
 Kissling GA See Miller JM Jr
 Kissner DG; Lawrence WD; Selis JE; et al: crack lung: pulmonary disease caused by cocaine abuse. (ab). *Radiology* 1988; 167: 291
 Kita M See Okawa T
 Kita N See Akira M

- Kitada T See Higashi M
 Kitagaki H See Sugimura K
 Kitagawa K; Takashima T; Matsui O; et al: angiographic findings in two carcinoid tumors of the gallbladder. *Gastrointest Radiol* 1986; 11: 51
 Kitagawa K; Takashima T; Matsui O; et al: marked hypervascularity and early arteriovenous shunting with portal vein filling in chronic relapsing pancreatitis. *Gastrointest Radiol* 1986; 11: 56
 Kitagawa S See Iida M
 Kitahama A; Kerstein MD; Overby JL; et al: routine intraoperative cholangiogram. (ab). *Radiology* 1986; 160: 856
 Kitahara H See Iwase M
 Kitamura K See Abe M
 Kitamura N See Aoki J
 Kitamura S See Sugama Y
 Kitamura T See Tanaka S
 Kitatani F See Akira M
 Kitaura Y See Kudo M
 Kitay S See Suchet I
 Kitchens C See Petterson H
 Kitchin JD III See Nunley WC Jr
 Kittredge RD; Gordon RB: CT demonstration of dissecting hematoma originating in abdominal aorta. *JCAT* 1987; 11: 279
 Kittredge RD; Gordon RB: inflammatory aneurysm of aorta: development documented by computed tomography. *CT* 1987; 11: 128
 Kittredge RD; Gordon RB: pseudoaneurysm with rupture in pancreatic pseudocyst wall as demonstrated by computed tomography. *CT* 1987; 11: 35
 Kiviniitty K See Nikula E
 Kivisaari I See Kääriäinen H
 Kivisaari I See Kaprio J
 Kivisaari I See Salo J
 Kivisaari I See Salonen O
 Kivisaari I; Nuutinen P; Lehtola A; et al: ionic and non-ionic contrast media used for contrast-enhanced computed tomography in experimental pancreatitis. *Acta Radiol* 1988; 29: 243
 Kiwak MG See Gale ME
 Kiwi R See Parulekar SG
 Kiwi R; Neuman MR; Merkatz IR; et al: determination of the elastic properties of the cervix. (ab). *Radiology* 1988; 169: 290
 Kiya K See Yamanaka C
 Kiyono K See Sakai F
 Kiyono K; Sone S; Sakai F; et al: number and size of normal mediastinal lymph nodes: a postmortem study. *AJR* 1988; 150: 771
 Kizuka H; Elmaleh DR; Boudreaux GJ; et al: N-[¹¹C]-methylchlorophenylamine and N,N-[¹¹C]-dimethylchlorophenylamine as brain blood-flow agents for positron emission tomography. *J Nucl Med* 1986; 27: 532
 Kjaer L See Duss BR
 Kjaer L See Larsson HBW
 Kjaer L; Henriksen O: comparison of different pulse sequences for in vivo determination of T1 relaxation times in the human brain. *Acta Radiol* 1988; 29: 231
 Kjaer L; Thomsen C; Henriksen O; et al: evaluation of relaxation time measurements by magnetic resonance imaging: a phantom study. *Acta Radiol* 1987; 28: 345
 Kjaer L; Thomsen C; Iversen P; et al: in vivo estimation of relaxation processes in benign hyperplasia and carcinoma of the prostate gland by magnetic resonance imaging. *Magn Res Imag* 1987; 5: 23
 Kjaer M: treatment and prognosis of patients with renal adenocarcinoma with solitary metastasis. 10 year survival results. *Int J Radiat Oncol Biol Phys* 1987; 13: 619
 Kjaer M; Boris P; Hansen LG: abnormal CT scan in a patient with Gilles de la Tourette syndrome. *Neuroradiol* 1986; 28: 362
 Kjaer M; Frederiksen PL; Engelholm SA: postoperative radiotherapy in stage II and III renal adenocarcinoma: a randomized trial by the Copenhagen renal cancer study group. *Int J Radiat Oncol Biol Phys* 1987; 13: 665
 Kjartansson O See Nakstad PH
 Kjartansson O See Wester K
 Kjelleveid K See Borthne A
 Kjos BO See Barkovich AJ
 Klapdor R See Brockman WP
 Klappenbach RS See Brody JM
 Klappenbach RS See Meekin GK
 Klara FM; George ED; McDonnell DE; et al: morphological studies of human arteriovenous malformations: effects of isobutyl 2-cyanoacrylate embolization. (ab). *Radiology* 1986; 160: 574
 Klassen LW See Kaplan PA
 Klassen RA See Pettine KA
 Klassen V See Greenberger JS
 Klatte EC See Rees CR
 Klatte EC; Becker GJ; Holden RE; Yune HY: fibrinolytic therapy. *Radiology* 1986; 159: 619
 Klausner JM See Leicuk S
 Klee GG See Magnuson JE
 Kleefield J See Brooks M
 Kleefield J See Poser CM
 Kleefield J See Stillman MJ
 Kleefield J; O'Reilly GV; Barsotti JB; Brooks ML: biplane stereoscopic magnification cerebral angiography. *Radiology* 1987; 165: 576
 Kleerekoper M See Shier CK
 Kleiman M See Cohen MD
 Klein A See Bohrer SP
 Klein A; Bohrer SP; Martin W III: dorsal dislocation of the radiocarpal joint with associated dorsal perilunar dislocation. *J Canad Assoc Radiol* 1986; 37: 201
 Klein B See Tiu S
 Klein BD See Teitelbaum GP
 Klein E See Fötter R
 Klein FA See Vick CW
 Klein FA; Smith MJV; Kasenzet I: peivic lipomatosis: 35-year experience. (ab). *Radiology* 1988; 169: 883
 Klein HA See Ganott MA
 Klein HA: applications of condensed dynamic images. *Clin Nucl Med* 1986; 11: 178
 Klein J; Farman J; Burrell M; et al: forgotten surgical foreign body. *Gastrointest Radiol* 1988; 13: 173
 Klein J; Gordon D; Glanz S; et al: late CT detection of gas in an aortic graft: normal postoperative finding. *Comput Radiol* 1986; 4: 193
 Klein JE See Tropp JS
 Klein JL See Mairikale JS
 Klein JL See Order SE
 Klein JL See Sebrechts C
 Klein JL See Stillwagon GB
 Klein JL; Kopher KA; Rostock RA: ferritin concentration and ¹³¹I-antiferritin tumor localization in an experimental hepatoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 137
 Klein JL; Sandoz JW; Kopher KA; et al: detection of specific anti-antibodies in patients treated with radiolabeled antibody. *Int J Radiat Oncol Biol Phys* 1986; 12: 939
 Klein LW; Agarwal JB; Stets G; et al: videodensitometric quantitation of aortic regurgitation by digital subtraction aortography using a computer-based method analyzing time-density curves. (ab). *Radiology* 1987; 163: 589
 Klein LW; Weintraub WS; Agarwal JB; et al: prognostic significance of severe narrowing of the proximal portion of the left anterior descending coronary artery. (ab). *Radiology* 1987; 162: 293
 Klein M See Huber DJ
 Klein M See Rosenberg ZS
 Klein MA; Kelly JK; Eggleston D: recognizing tympanostomy tubes on temporal bone CT: typical and atypical appearances. *AJR* 1988; 150: 1411
 Klein MD See Blane CE
 Klein MJ See Abdelwahab IF
 Klein MJ See Shankman S
 Klein MJ See Zwager A
 Klein RS See Frager DH
 Klein SA See Ferraro EM
 Klein SR; Gahbauer H; Goodrich I: bilateral anomalous anterior cerebral artery and infraoptic aneurysm. *AJNR* 1987; 8: 1142
 Kleiner B; Callen PW; Filly RA: sonographic analysis of the fetus with ureteropelvic junction obstruction. *AJR* 1987; 148: 359
 Kleiner B; Filly RA; Mack LA; Callen PW: multicystic dysplastic kidney: observations of contralateral disease in the fetal population. *Radiology* 1986; 161: 27
 Kleimert R See Steiner H
 Kleinhans G See Fischedick A-R
 Kleinhans U See Gattini D
 Kleinhans U See Kaffori JK
 Kleinhans U; Militianu D: computed tomography in the preoperative evaluation of gastric carcinoma. *Gastrointest Radiol* 1988; 13: 97
 Kleinhans U; Weich U; Maoz S: gastroduodenal intussusception secondary to prolapsing gastric tumors. *Gastrointest Radiol* 1986; 11: 229
 Kleinman CS See Ascuitto RJ
 Kleinman CS See Copel JA
 Kleinman PK See Raptopoulos V
 Kleinman PK; Brill PW; Winchester P: resolving duodenal-jejunal hematoma in abused children. *Radiology* 1986; 160: 747
 Kleinman PK; Marks SC; Adams VI; et al: factors affecting visualization of posterior rib fractures in abused infants. *AJR* 1988; 150: 635
 Kleinman PK; Marks SC; Blackburne B: metaphyseal lesion in abused infants: radiologic-histopathologic study. *AJR* 1986; 146: 895
 Kleinman R See Blisard KS
 Kleinman R See Davis M
 Klevenhagen SC See Mantell BS
 Kleynhans PHT See van Aswegen A
 Kligerman MM; Turrisi AT III; Urtasun RC; et al: final report of phase I trial of WR-2721 before protracted fractionated radiation therapy. *Int J Radiat Oncol Biol Phys* 1988; 14: 1119
 Kline TS See Teplitz SK
 Kling GA See Guyot DR
 Kling GA See Zingas AP
 Kling TF Jr See Fiedler BS
 Kling TF Jr See Ho AMW
 Klinge J See Mali WPTM
 Klinge J See Puylaert CBAJ
 Klingsmith WC III: evaluation of a physiologic method of interpreting first circulation time-indicator curves. *Invest Radiol* 1986; 21: 566
 Klingsmith WC III; Cioffi-Ragan DT: fetal gallstones. *Radiology* 1988; 167: 143
 Klingsmith WC III; Cioffi-Ragan DT: schizencephaly: diagnosis and progression in utero. *Radiology* 1986; 159: 617
 Klingsmith WC III; Cioffi-Ragan DT; Harvey DE: diagnosis of ectopia cordis in the second trimester. *JCU* 1988; 16: 204
 Klingsmith WC III; Eckhout GV: cholelithiasis in the morbidly obese: diagnosis by US and oral cholecystography. *Radiology* 1986; 160: 27
 Klink A See McKenna WG
 Klinkhamer AC See Feldberg MAM
 Klinkner V See Nothdurft W
 Klion WF See Lebovics E
 Klonowsky N: differential diagnosis in pediatric radiology. *Radiology* 1987; 162: 392
 Klippenstein DL See Green MA
 Klipstein RH See Firmin DN
 Klipstein RH; Firmin DN; Underwood SR; et al: colour display of quantitative blood flow and cardiac anatomy in a single magnetic resonance cine loop. *Br J Radiol* 1987; 60: 105
 Klobier R; Aucoin R; Hershfield NR; Logan K; Molnar CP; Blair KM; Shaffer EA: biliary obstruction after cholecystectomy: diagnosis with quantitative cholescintigraphy. *Radiology* 1988; 169: 643
 Klobier R; Molnar CP; Barnes M: Sr-89 therapy for metastatic bone disease: scintigraphic and radiographic follow-up. *Radiology* 1987; 163: 719
 Klobier R; Poon M-C; Molnar CP: platelet sequestration in a vascular malformation of Klippel-Trenaunay syndrome. *AJR* 1987; 149: 1275
 Klobier R; Uduis K; McIntyre W; et al: scintigraphic and radiographic appearance of the ischiopubic synchondroses in normal children and in osteomyelitis. *Pediatr Radiol* 1988; 18: 57
 Klonoff H See Laukkanen E
 Kloppenborg P See Corstens F
 Klos DS See Fox SA
 Klose U See Walter E
 Kloss J See Bodne D
 Klotz E See Kalender WA
 Klotz TA See Quinn MF
 Klug GL See De Campo JF
 Klun K See Starosta-Rubinstein S
 Klun PM See van Buchem MA
 Klum TE See McDonald JV
 Knabb RM; Bergmann SR; Fox KAA; et al: temporal pattern of recovery of myocardial perfusion and metabolism delineated by positron emission tomography after coronary thrombolysis. *J Nucl Med* 1987; 28: 1563
 Knake JE See Rubin JM
 Knapp FF Jr See Brijaye C
 Knapp FF Jr; Goodman MM; Callahan AF; et al: radioiodinated 15-(p-iodophenyl)-3,3-dimethylpentadecanoic acid: useful new agent to evaluate myocardial fatty acid uptake. *J Nucl Med* 1986; 27: 521
 Knapp MJ See Raymond JR
 Knapp PM; Kulb TB; Lingeman JE; et al: extracorporeal shock wave lithotripsy-induced perirenal hematomas. (ab). *Radiology* 1988; 169: 289
 Knapp R See Biondetti PR
 Knapp RH See Vannier MW
 Knapp WH; Helus F; Layer K; et al: nitrogen-13 glutamate uptake and perfusion in Walker 256 carcinosarcoma before and after single-dose irradiation. *J Nucl Med* 1986; 27: 1604
 Knapp WH; Panzer M; Helus F; et al: effect of methotrexate on perfusion and nitrogen-13 glutamate uptake in the Walker-256 carcinosarcoma. *J Nucl Med* 1988; 29: 208
 Knapp WH; von Kummer R; Kubler W: imaging of cerebral blood flow-to-volume distribution using SPECT. *J Nucl Med* 1986; 27: 465
 Kneeland JB See Daniels DL
 Kneeland JB See Foley WD
 Kneeland JB See Fronczak W
 Kneeland JB See Grist TM
 Kneeland JB See Hendrick RE
 Kneeland JB See Hyde JS

Kneeland

- Kneeland JB See Kellman GM
- Kneeland JB See Krasnow AZ
- Kneeland JB See Middleton WD
- Kneeland JB; Auh YH; Rubenstein WA; Zirinsky K; Morrison H; Whalen JP; Kazam E: peritonal spaces: CT evidence for communication across the midline. *Radiology* 1987; 164: 657
- Kneeland JB; Carrera GF; Middleton WD; Campagna NF; Ryan LM; Jesmanowicz A; Froncisz W; Hyde JS: rotator cuff tears: preliminary application of high-resolution MR imaging with counter rotating current loop-gap resonators. *Radiology* 1986; 160: 695
- Kneeland JB; Carrera GF; Ryan DE; et al: MR imaging of a fractured temporomandibular disk prosthesis. *JCAT* 1987; 11: 199
- Kneeland JB; Jesmanowicz A; Froncisz W; Grist TM; Hyde JS: high-resolution MR imaging using loop-gap resonators: work in progress. *Radiology* 1986; 158: 247
- Kneeland JB; Jesmanowicz A; Froncisz W; Hyde JS: simultaneous reception from a whole-volume coil and a surface coil on a clinical MR system. *Radiology* 1988; 169: 255
- Kneeland JB; Jesmanowicz A; Hyde JS: enhancement of parallel MR image acquisition by rotation of the plane of section. *Radiology* 1988; 166: 886
- Kneeland JB; Kellman GM; Middleton WD; et al: diagnosis of diseases of the supraclavicular region by use of MR imaging. *AJR* 1987; 148: 1149
- Kneeland JB; Krubsack AJ; Lawson TL; Wilson SD; Collier BD; Froncisz W; Jesmanowicz A; Hyde JS: enlarged parathyroid glands: high-resolution local coil MR imaging. *Radiology* 1987; 162: 143
- Kneeland JB; Macrander S; Middleton WD; et al: MR imaging of the normal ankle: correlation with anatomic sections. *AJR* 1988; 151: 117
- Kneeland JB; Middleton WD; Carrera GF; et al: MR imaging of the shoulder: diagnosis of rotator cuff tears. *AJR* 1987; 149: 333
- Kneeland JB; Middleton WD; Matloub HS; et al: high resolution MR imaging of glomus tumor. *JCAT* 1987; 11: 351
- Kneeland JB; Ryan DE; Carrera GF; Jesmanowicz A; Froncisz W; Hyde JS: failed temporomandibular joint prostheses: MR imaging. *Radiology* 1987; 165: 179
- Kneeland JB; Shimakawa A; Wehrli FW: effect of intersection spacing on MR image contrast and study time. *Radiology* 1986; 158: 819
- Knelson MH; El Youssef SJ; Goldberg REA; et al: intracystic papillary carcinoma of the breast: mammographic, sonographic, and MR appearance with pathologic correlation. *JCAT* 1987; 11: 1074
- Knight C See Rousseau H
- Knight CD Jr See Coffey RJ Jr
- Knight GF: essentials of clinical MRI. *Radiology* 1988; 169: 40
- Knight LC See Maurer AH
- Knight LC; Maurer AH; Ammar IA; et al: evaluation of indium-111-labeled anti-fibrin antibody for imaging vascular thrombi. *J Nucl Med* 1988; 29: 494
- Knight PC; Robinson DE: approach to digital signal processing for ultrasonics research. *Ultrasound Med Biol* 1987; 13: 345
- Knight RC See Edwards DI
- Knighton D See Cardella JF
- Knobel J See Rao SA
- Knobloch SM See Vink R
- Knoflach P See Schuster E
- Knop RH See Reing JW
- Knop RH; Frank JA; Dwyer AJ; et al: gadolinium cryptelates as MR contrast agents. *JCAT* 1987; 11: 35
- Knowles RJR See Markisz JA
- Knox AJ; Wardman AG; Page RL: tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis. (ab). *Radiology* 1987; 162: 884
- Knox AM See Merrill CR
- Knudsen LL See Bollinger B
- Knudsen LL; Voldby B; Stagaard M: computed tomographic myelography in spinal subdural empyema. *Neuroradiol* 1987; 28: 99
- Knüttel A; Rommel E; Clausen M; et al: integrated volume-selective/spectral editing ¹H NMR and postdetection signal processing for the sensitive determination of lactate. *Magn Res Med* 1988; 8: 70
- Knutzon RK See Smoker WRK
- Ko YT See Lim JH
- Kobayashi A; Matsui O; Takashima T; et al: calcification in caval membrane causing primary Budd-Chiari syndrome: CT demonstration. *JCAT* 1988; 12: 401
- Kobayashi H See Hayashi M
- Kobayashi H See Kawano H
- Kobayashi H See Nakajo M
- Kobayashi H See Onohara S
- Kobayashi H See Uchiyama N
- Kobayashi H; Inoue H; Shimada J; et al: intra-arterial injection of adriamycin/mitomycin C Lipiodol suspension in liver metastases. *Acta Radiol* 1987; 28: 275
- Kobayashi H; Zusho H: measurements of internal auditory meatus by polytomography. I. normal subjects. *Br J Radiol* 1987; 60: 209
- Kobayashi K See Touho H
- Kobayashi N See Hayashi N
- Kobayashi S See Kadoya S
- Kobayashi T See Inoue M
- Kobayashi T See Shimizu M
- Kobayashi T; Hirabayashi Y; Kobayashi Y: diagnostic value of plain chest roentgenogram and CT scan findings in four cases of massive thymic hyperplasia. *Pediatr Radiol* 1986; 16: 452
- Kobayashi T; Negoro M; Aways S: cavernous sinus subarachnoid diverticulum and sixth nerve palsy. *Neuroradiol* 1987; 29: 306
- Kobayashi Y See Kobayashi T
- Kobayashi Y See Ueda J
- Kober B See Sturm V
- Kober LO See Ellwart JW
- Kobzik L See Huber DJ
- Koch CJ; Stobbe CC; Baer KA: combined radiation-protective and radiation-sensitizing agents III: radiosensitization by misonidazole as a function of concentrations of endogenous glutathione or exogenous thiols. *Int J Radiat Oncol Biol Phys* 1986; 12: 113
- Koch ER See Dheke RD
- Koch HK See Spamer C
- Koch KJ; Cory DA: simultaneous renal vein thrombosis and bilateral adrenal hemorrhage: MR demonstration. *JCAT* 1986; 10: 681
- Koch KJ; Siddiqui AR; Wellman HN; et al: localization of technetium-99m pertechnetate in peripheral nerve tumors. *J Nucl Med* 1986; 27: 1713
- Koch M See Starreveld AA
- Koch RD See Freitag G
- Koci T See Trombley BA
- Kock C See Helmke K
- Kocsis J; Szabó E; László FA: effect of a vasopressin antagonist d(CH₂)₅Tyr(Met)AVP on the development of renal vasospasm induced by estrin plus vasopressin administration in rats. *Invest Radiol* 1987; 22: 973
- Kodama T See Miura M
- Kodama T; Watanabe K; Hoshi H; et al: diagnosis of diffuse hepatocellular diseases using SPECT. *J Nucl Med* 1986; 27: 616
- Koeda T; Ando Y; Takahama S; et al: changes in the lateral ventricle with the head position: ultrasonographic observation. *Neuroradiol* 1988; 30: 315
- Koehler FR; Daniels DI; Williams AL; et al: technical factors in MR image quality. *Neuroradiol* 1986; 28: 74
- Koehler RE See Han SY
- Koehler RE See Kenney PJ
- Koehler RE See Koslin DB
- Koehler RE See Moss CN
- Koehler RE See Shin MS
- Koek LL See McNeill TH
- Koelbel G; Schmiedl U; Griebel J; et al: MR imaging of urinary bladder neoplasms. *JCAT* 1988; 12: 98
- Koenig F See Rozenberg I
- Koenig H; Lenz M; Sauter R: temporal bone region: high-resolution MR imaging using surface coils. *Radiology* 1986; 159: 191
- Koenig H; Lucas D; Meisner R: wrist: preliminary report on high-resolution MR imaging. *Radiology* 1986; 160: 463
- Koenig SH See Gillis P
- Koenig SH; Brown RD III; Gibson JF; et al: relaxometry of ferritin solutions and the influence of the Fe³⁺ core ions. *Magn Res Med* 1986; 3: 755
- Koenig SH; Brown RD III; Kurland R; et al: relaxivity and binding of Mn²⁺ ions in solutions of phosphatidylserine vesicles. *Magn Res Med* 1988; 7: 133
- Koenig SH; Brown RD III; Spiller M: anomalous relaxivity of Mn²⁺ (TPP₃). *Magn Res Med* 1987; 4: 252
- Koenig SH; Spiller M; Brown RD III; et al: magnetic field dependence (NMRD profile) of 1/T₁ of rabbit kidney medulla and urine after intravenous injection of Gd(DTPA). *Invest Radiol* 1986; 21: 697
- Koenig SH; Spiller M; Brown RD III; et al: relaxation of water protons in the intra- and extracellular regions of blood containing Gd(DTPA). *Magn Res Med* 1986; 3: 791
- Koenigsberg M See Hoffman-Tretin J
- Koenigsberg M See Hoffman-Tretin JC
- Koeppel JF See Johnson KM
- Koeppel RA; Hutchins GD; Rothley JM; et al: examination of assumptions for local cerebral blood flow studies in PET. *J Nucl Med* 1987; 28: 1695
- Koerner FC See Swann CA
- Koerner SK: pulmonary hypertension: etiology and clinical evaluation. *J Thorac Imag* 1988; 3-1: 25
- Koff E; Naeser MA; Pieniadz JM; et al: computed tomographic scan hemispheric asymmetries in right- and left-handed male and female subjects. (ab). *Radiology* 1986; 160: 860
- Koford P-EL; Høst A; Elle B; et al: hypertrophic pyloric stenosis: determination of muscle dimensions by ultrasound. *Br J Radiol* 1988; 61: 19
- Koga A; Watanabe K; Takiguchi S; et al: etiologic significance of anatomic variations in the main intrahepatic bile ducts in hepatolithiasis. *Acta Radiol* 1987; 28: 285
- Koga K See Sukigara M
- Koga K; Kusumoto S; Watanabe K; et al: age factor relevant to the development of lung cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 367
- Koga K; Watanabe K; Kawano M; et al: radiotherapy for carcinoma of the uterine cervix by remotely controlled afterloading intracavitary system with high-dose-rate. *Int J Radiat Oncol Biol Phys* 1987; 13: 615
- Koga T See Tomooka Y
- Kogan BA See Fritzsche PJ
- Kogan FJ See Chernin MM
- Kogelnik HD; Brandis M-G; Rahim H; et al: inadequacy of conventional computerized tomography scans for treatment planning of tangential breast (chest wall) fields. *Int J Radiat Oncol Biol Phys* 1988; 14: 721
- Kogutt MS: computed radiographic imaging: use in low-dose leg length radiography. *AJR* 1987; 148: 1205
- Kogutt MS; Jones JP; Perkins DD: low-dose digital computed radiography in pediatric chest imaging. *AJR* 1988; 151: 775
- Koh W-J See Russell KJ
- Koh YB See Intenzo CM
- Kohama A See Sato M
- Kohan JM; Poe RH; Israel RH; et al: value of chest ultrasonography versus decubitus roentgenography for thoracentesis. (ab). *Radiology* 1986; 161: 574
- Kohda E See Ogata T
- Kohda E See Yamato M
- Kohga H See Fukuda Y
- Kohler TR See Shuman WP
- Kohler TR; Langlois Y; Roederer GO; et al: variability in measurement of specific parameters for carotid duplex examination. *Ultrasound Med Biol* 1987; 13: 637
- Kohn HS See Veluvolu F
- Kohn HS; Guten GN; Collier BD; et al: chondromalacia of the patella: bone imaging correlated with arthroscopic findings. *Clin Nucl Med* 1988; 13: 96
- Kohn ML; Gooch AW Jr; Keller WS: filters for radiation reduction: a comparison. *Radiology* 1988; 167: 255
- Kohn MM See Schneider K
- Kohneski RJ See Lingeman JE
- Kohn H See Sekihara K
- Kohorn EI See Taylor KJW
- Kohroggi Y See Nakagawa N
- Koivukangas J See Ilkko E
- Koivula A See Kauppila A
- Koivuniemi A See Taavitsainen M
- Koizumi Y See Nagatomo Y
- Koizumi Y See Pardo JG
- Koizumi K; DeNardo GL; DeNardo SJ; et al: multicompartmental analysis of the kinetics of radioiodinated monoclonal antibody in patients with cancer. *J Nucl Med* 1986; 27: 1243
- Koizumi M See Sakahara H
- Koizumi M See Watanabe Y
- Koizumi T See Kashiwagi T
- Kojima S See Ogihara I
- Kojima S See Ogihara-Umeda I
- Kojoh K See Yamamoto S
- Kokubo T See Itai Y
- Kokubo T See Ohtomo K
- Kokubo T; Itai Y; Ohtomo K; Itoh K; Kawachi N; Minami M: mucin-hypersecreting intrahepatic biliary neoplasms. *Radiology* 1988; 168: 609
- Kokubo T; Itai Y; Ohtomo K; Yoshihara K; Ito M; Atomi Y: retained surgical sponges: CT and US appearance. *Radiology* 1987; 165: 415
- Kokubo T; Itoh K; Kondoh S; et al: CT demonstration of a bizarre intrahepatic portal branch. *JCAT* 1987; 11: 365
- Kolabash AJ Jr; Kilman JW; Bush CA; et al: evidence for progression from mild to severe mitral regurgitation in mitral valve prolapse. (ab). *Radiology* 1987; 163: 589
- Kolawole TM See Hawass ND
- Kolawole TM See Patel PJ
- Kolawole TM; Banna M; Hawass ND; et al: neuropathic arthropathy as a complication of post-traumatic syringomyelia. *Br J Radiol* 1987; 60: 702
- Kolawole TM; Hawass ND; Patel PJ; et al: osteopetrosis: some unusual radiological features with a short review. *Eur J Radiol* 1988; 8: 89

- Kolawole TM; Patel PJ; Boshra Y; et al: orbital and intracranial haemangiopericytoma: case report with a short review, *Eur J Radiol* 1988; 8: 106
- Kolawole TM; Patel PJ; Mahdi AH: arachnoid cysts: computed tomography findings, *CT* 1987; 11: 156
- Kolawole TM; Patel PJ; Mahdi AH: computed tomographic changes in juvenile hemiplegia, *Comput Radiol* 1987; 11: 125
- Kolawole TM; Patel PJ; Mahdi AH: porencephaly: computed tomography (CT) scan findings, *Comput Radiol* 1987; 11: 53
- Kolawole TM; Patel PJ; Naim-Ur-Rahaman: post-surgical anterior pseudomeningocele presenting as an abdominal mass, *Comput Radiol* 1987; 11: 237
- Kolawole TM; Qteishat WA; Patel PJ; et al: secondary ependymoma presenting as a presacral mass, *CT* 1988; 12: 108
- Kölbel G See Majer MC
- Kolbenstedt A See Asprestrand F
- Kole J See Swayne LC
- Kolin E See Teresi LM
- Kolla IS; Kell M; Pettigrew R: donor indium-111 leukocyte scan in a nonleukopenic patient, *Clin Nucl Med* 1988; 13: 529
- Koller D See Clausen M
- Kollin J See Wu S-Y
- Kolodny GM See Edelman RR
- Kolodny GM See Front D
- Kolodny GM See Jacobson AF
- Kolodny GM See Parker JA
- Kolosov OV; Levin VM; Mayev RG; et al: use of acoustic microscopy for biological tissue characterization, *Ultrasound Med Biol* 1987; 13: 477
- Koltai PJ See Bie B
- Koltun W See Gardiner GA Jr
- Koltun WA; Gardiner GA Jr; Harrington DF; et al: thrombolysis in the treatment of peripheral arterial vascular occlusions, *Radiology* 1988; 166: 911
- Komaki R See Amols HI
- Komaki R See Nirosmann-Rad A
- Komaki T See Aaga T
- Komaravatsy VN See Tsyb AF
- Komatsu Y; Shinohara A; Kukita C; et al: reversible CT changes in uremic encephalopathy, *AJNR* 1988; 9: 215
- Komatz Y See Nishimura Y
- Komazaki T See Sukigara M
- Koment MA See Kaplan PA
- Komiyama M; Baba M; Hakuba A; et al: MR imaging of brainstem hemorrhage, *AJNR* 1988; 9: 261
- Komiyama M; Yagura H; Baba M; et al: MR imaging: possibility of tissue characterization of brain tumors using T1 and T2 values, *AJNR* 1987; 8: 65
- Komolafe F See Jenyo MS
- Komori H See Kudo M
- Komorowski RA; Cohen EB; Kauffman HM; et al: gastrointestinal complications in renal transplant recipients, (ab), *Radiology* 1987; 162: 886
- Komuro C See Ono K
- Komuro C See Tsuboi K
- Konaka C See Kato H
- Konchanin RP; Cho KJ; Grossman HB: preoperative devascularization of advanced renal adenocarcinoma using a sclerosing agent, (ab), *Radiology* 1987; 164: 883
- Kondo F See Ebara M
- Kondo M See Shigematsu N
- Kondo M See Yamashita S
- Kondo M; Ando Y; Inuyama Y; et al: maxillary squamous cell carcinomas staged by computed tomography, *Int J Radiat Oncol Biol Phys* 1986; 12: 111
- Kondo M; Hashimoto S; Dokiya T; et al: local control of squamous cell carcinoma of the mobile tongue: experience of different modalities, *Int J Radiat Oncol Biol Phys* 1986; 12: 755
- Kondo M; Hashimoto S; Inuyama Y; et al: extramedullary plasmacytoma of the sinusal cavities: CT evaluation, *JCAT* 1986; 10: 841
- Kondo T; Kuwabara M; Sato F; et al: influence of dissolved gases on chemical and biological effects of ultrasound, *Ultrasound Med Biol* 1986; 12: 151
- Kondoh H See Nakamura H
- Kondoh S See Kokubo T
- Konefal JB; Emami B; Pilepich MV: malignant melanoma: analysis of dose fractionation in radiation therapy, *Radiology* 1987; 164: 607
- Koneru B See Herbener T
- Koneru SR See Rahman M
- Kong JS See Vigliotti A
- Kong JS; Peters LJ; Wharton JT; et al: hyperfractionated split-course whole abdominal radiotherapy for ovarian carcinoma: tolerance and toxicity, *Int J Radiat Oncol Biol Phys* 1988; 14: 737
- König H; Sauter R; Deimling M; Vogt M: cartilage disorders: comparison of spin-echo, CHESS, and FLASH sequence MR images, *Radiology* 1987; 164: 753
- König H-J; Krahling KH; Brandt M: x-ray and CT findings of a giant intracranial mucocoele, *Neuroradiol* 1986; 28: 283
- König R; van Kaick G; Clorius JH; et al: computed tomography for staging bronchogenic carcinoma, (ab), *Radiology* 1986; 158: 565
- Konishi H See Matsui O
- Konishi J See Fujisawa I
- Konishi J See Hayashi N
- Konishi J See Minami S
- Konishi J See Noma S
- Konishi Y See Yoshimura H
- Konno T See Maki S
- Kono M See Kameda K
- Kono M See Sugimura K
- Kononen M: radiographic changes in the condyle of the temporomandibular joint in psoriatic arthritis, *Acta Radiol* 1987; 28: 185
- Konowitz PM; Lawson W; Som P; et al: laryngeal paraganglioma: update on diagnosis and treatment, (ab), *Radiology* 1988; 168: 888
- Konrad J See Berger T
- Konski A See Constine LS
- Konski A; Poultier C; Keys H; et al: absence of prognostic significance, peritoneal dissemination and treatment advantage in endometrial cancer patients with positive peritoneal cytology, *Int J Radiat Oncol Biol Phys* 1988; 14: 49
- Konstam MA See Salem DN
- Konturi M See Vihko P
- Konya A: unusual congenital abnormality of the renal artery: left renal artery arising from the right renal artery, (ab), *Radiology* 1986; 158: 574
- Koolpe HA See Moore JH Jr
- Koolpe HA; Koolpe L: portal hypertension: angiographic and hemodynamic evaluation, *Radiol Clin North Am* 1986; 24: 369
- Koolpe L See Koolpe HA
- Koontz WL See Lavery JP
- Koontz WL; Shaw LA; Lavery JP: antenatal sonographic appearance of Beckwith-Wiedemann syndrome, *JCU* 1986; 14: 57
- Koopmans RA; Li DKB; Paly DW: basal ganglia lesions in methanol poisoning: MR appearance, *JCAT* 1988; 12: 168
- Koornneef L See Zonneveld FW
- Koornneef L; Zonneveld FW: role of direct multiplanar high resolution CT in the assessment and management of orbital trauma, *Radiol Clin North Am* 1987; 25: 733
- Kopanicky D See Kulkarni MV
- Kopans DB See Hall DA
- Kopans DB See Kushner DC
- Kopans DB See Lindfors KK
- Kopans DB See McCarthy KA
- Kopans DB See Oestmann JW
- Kopans DB See Sickles EA
- Kopans DB See Swann PC
- Kopans DB See Stump C
- Kopans DB: breast tumor seeding along localization guide wire tracks: reply, *Radiology* 1988; 169: 881
- Kopans DB: can mammography exclude cancer?, *Radiology* 1988; 164: 286
- Kopans DB: nonmammographic breast imaging techniques: current status and future developments, *Radiol Clin North Am* 1987; 25: 961
- Kopans DB: what is a useful adjunct to mammography?, *Radiology* 1986; 161: 560
- Kopans DB: what is a useful adjunct to mammography? reply, *Radiology* 1987; 163: 585
- Kopans DB; Gallagher WJ; Swann CA; McCarthy KA; White G; Hall DA; Wood WC: does preoperative needle localization lead to an increase in local breast cancer recurrence?, *Radiology* 1988; 167: 667
- Kopans DB; Waitzkin ED; Linetsky L; et al: localization of breast lesions identified on only one mammographic view, *AJR* 1987; 149: 39
- Kopchok GE See White GH
- Kopecky K See Hunter DW
- Kopecky KJ See Miller RC
- Kopecky KJ See Whitehead J
- Kopecky KK See Becker GJ
- Kopecky KK See Ehrman KO
- Kopecky KK See King J
- Kopecky KK See Lappas JC
- Kopecky KK; Lappas JC; Baker MK; et al: mesenteric panniculitis: CT appearance, *Gastrointest Radiol* 1988; 13: 273
- Kopecky KK; Moriarty AT; Antony AC; et al: extramedullary hematopoiesis in acute lymphocytic leukemia masquerading as hepatic, renal, and splenic microabscesses, *AJR* 1986; 147: 846
- Kopecky RT See McAfee JG
- Kopel S See Gelbfish GA
- Kopf GS See Ascutto RJ
- Kopper KA See Klein JL
- Kopits SE See Fishman EK
- Kopp DT See Palmaz JC
- Kopp W See Ebner F
- Kopp W See Fötter R
- Kopp W; Stammberger H; Fötter R: special radiologic imaging of paranasal sinuses: a prerequisite for functional endoscopic sinus surgery, *Eur J Radiol* 1988; 8: 153
- Koppensteiner R; Minar E; Ahmadi R; Jung M; Ehringer H: low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries, *Radiology* 1988; 168: 877
- Koprowski H See Munz DL
- Kopua H See Sommer G
- Koral KF See Shulkis BL
- Koral KF; Adler RS; Carey JE; et al: iodine-131 treatment of thyroid cancer: absorbed dose calculated from post-therapy scans, *J Nucl Med* 1986; 27: 1207
- Koral KF; Wang X; Rogers WL; et al: SPECT Compton-scattering correction by analysis of energy spectra, *J Nucl Med* 1988; 29: 195
- Korczak D See Golomb J
- Kordan B; Payne SD: fat necrosis simulating a primary tumor of the mesentery: sonographic diagnosis, *J Ultrasound Med* 1988; 7: 345
- Koren A See Garty I
- Koren A See Neeman A
- Koren G; Lavi S; Rose V; et al: Kawasaki disease: review of risk factors for coronary aneurysms, (ab), *Radiology* 1986; 168: 575
- Koren G; Luria MH; Weiss AT; et al: early treatment of acute myocardial infarction with intravenous streptokinase: a high-risk syndrome, (ab), *Radiology* 1987; 163: 836
- Korenif B See Balic M
- Koretsky AP See Shine NR
- Korhola O; Riikimäki E; Savikurki S: reduction of radiation scatter with a multiple pencil-beam imaging device, *Radiology* 1987; 165: 257
- Koritke J-G See Matter D
- Koritke JG See Wolfram-Gabel R
- Korits ES See Groshar D
- Korman M See Alanan A
- Korman M See Lauteala L
- Korman M See Parvez Z
- Korman M; Raininko R; Katiöva K: magnetic resonance imaging of intracranial neoplasms at 0.02 tesla, *Acta Radiol* 1987; 28: 369
- Kormos DW See Yeung HN
- Kormos DW; Yeung HN: NMR imaging of ^{13}C in animal tissues, *Magn Res Med* 1987; 4: 500
- Korndorffer FA III See Miller JM Jr
- Kornguth PJ; Salazar AM: apical oblique view of the shoulder: its usefulness in acute trauma, *AJR* 1987; 149: 113
- Kornmesser W See Laniado M
- Kornreich L See Grunebaum M
- Kornstein MJ See Glickstein M
- Korobkin M See Halvorsen RA Jr
- Korogi Y; Takahashi M: light and electron microscopic observations in atherosclerotic rabbits following experimental transluminal angioplasty, *Acta Radiol* 1987; 28: 323
- Korogi Y; Takahashi M; Fujimura N; et al: computed tomography demonstration of renal dysplasia with a vaginal ectopic ureter, *CT* 1986; 10: 273
- Korpi CT: screening for postmenopausal osteoporosis, *Radiology* 1988; 167: 873
- Korvik H See Swartz JD
- Kortman KE See Bradley WG Jr
- Kortman KE See Pusey E
- Kortman KE See Tsuruda JS
- Korvick JA; Yu VL: Legionnaires' disease: an emerging surgical problem, (ab), *Radiology* 1987; 164: 881
- Korwan A See Pham DH
- Korzeniowski S See Skolyszewski J
- Koschorek F; Gremmel H; Stelten J; Offermann W; Leibfritz D: cerebrospinal fluid: detection of tumors and disk herniations with MR spectroscopy, *Radiology* 1988; 167: 813
- Koschorek F; Jensen H-P; Terwey B: dynamic evaluation of cervical spinal cord by magnetic resonance imaging: improvement of indication for surgical treatment of chronic cervical myelopathy, *Magn Res Imag* 1986; 4: 421
- Koschorek F; Jensen H-P; Terwey B: dynamic MR imaging: further possibility for characterizing CNS lesions, *AJNR* 1987; 8: 259
- Kosco M See Pearson ME
- Kosiuk J See Nguyen KT
- Koslin DB See Berland LL
- Koslin DB; Berland LL: duplex Doppler examination of the liver and portal venous system, *JCU* 1987; 15: 675
- Koslin DB; Berland LL; Sekar BC: cervical Castleman disease: CT study with angiographic correlation, *Radiology* 1986; 160: 213
- Koslin DB; Kenney PJ; Koehler RE; et al: magnetic resonance imaging of the internal anatomy of the prostate gland, *Invest Radiol* 1987; 22: 947
- Koslin DB; Kenney PJ; Stanley RJ; et al: aorticaval fistula: CT appearance with angiographic correlation, *JCAT* 1987; 11: 348
- Koslin DB; Stanley RJ; Berland LL; et al: hepatic perivascular lymphedema: CT appearance, *AJR* 1988; 150: 111

- Kosloske AM; Musemeche CA; Ball WS Jr; et al: necrotizing enterocolitis: value of radiographic findings to predict outcome, *AJR* 1988; 151: 771
- Kosoff G See Barnett SB
- Kosoff G See Robinson DE
- Kosol JM; Patel SK: subretinal hemorrhage: value of preinfusion computed tomography, *JCAT* 1986; 10: 157
- Kostrubiak I See Mirvis SE
- Kostruk WJ See Wisenberg G
- Kosuda S; Gokan T; Tamura K; et al: radionuclide imaging for parotid oncology, *Clin Nucl Med* 1987; 12: 150
- Kosuda S; Gokan T; Tamura K; et al: radionuclide imaging of two patients with metastasis to a distal phalanx of the hand, *Clin Nucl Med* 1986; 11: 659
- Kosuda S; Hirose Y; Yoshinaga H; et al: technetium-99m DMSA abnormal uptake by metastatic lesion of a renal cell carcinoma, *Clin Nucl Med* 1986; 11: 432
- Kosuda S; Ishikawa M; Kunieda E; et al: demonstration of a vesicorectal fistula by technetium-99m MDP imaging, *Clin Nucl Med* 1988; 13: 206
- Kosuda S; Ishikawa M; Tamura K; et al: iodine-131 therapy for parotid oncology, *J Nucl Med* 1988; 29: 1126
- Kosuda S; Kubo A; Sanmiya T; et al: assessment of mucociliary clearance in patients with tracheobronchoplasty using radioaerosol, *J Nucl Med* 1986; 27: 1397
- Kotake T See Narumi Y
- Kotchon T See Lente BC
- Kotler DP See Miller RE
- Kotler M See Steiner RM
- Kotler MN See Goldman AP
- Kotlyarov EV; Mattay VS; Reba RC: gallbladder visualization during technetium-99m RBC blood pool imaging: case report and literature review, *Clin Nucl Med* 1988; 13: 515
- Kotre CJ; Lambert GD; Dawes PJDK: use of simulator-based computed tomography in iridium-192 dosimetry, *Br J Radiol* 1986; 59: 1035
- Kott E See Reider-Groszmann I
- Kottal RA; Vogler JB III; Matamoros A; Alexander AH; Cookson JL: pigmented villonodular synovitis: report of MR imaging in two cases, *Radiology* 1987; 163: 551
- Kottamasu SR See Williams CR
- Kotval PS; Babu SC; Fahry J; et al: role of the intimal flap in arterial dissection: sonographic demonstration, *AJR* 1988; 150: 1181
- Kotval PS; Weingarten M: renal trauma: radiological studies, *Radiology* 1986; 158: 563
- Koubek TD See Curnes JT
- Koubek TD See Zagoria RJ
- Kourias E See Missas S
- Kouris K See Abdel-Dayem HM
- Koutcher J See Burt CT
- Koutcher JA See Okunieff PG
- Koutcher JA; Okunieff P; Neuringer L; et al: size dependent changes in tumor phosphate metabolism after radiation therapy as detected by ^{31}P NMR spectroscopy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1851
- Koutouratsas L See Shukla SS
- Kouwenberg HJ See Mali WPTM
- Kouwenberg JJ; Simons AJ: case report 383, *Skeletal Radiol* 1986; 15: 484
- Kouzu T See Silva SA
- Kovalic JJ: endocavitary irradiation for rectal cancer and villous adenomas, *Int J Radiat Oncol Biol Phys* 1988; 14: 261
- Kovalikova Z; Hoehn-Berlage MH; Gersonde K; Porschner R; Mittermayer C; Franke R-P: age-dependent variation of T1 and T2 relaxation times of adenocarcinoma in mice, *Radiology* 1987; 164: 543
- Kowada M See Itoh Y
- Kowada M See Kikuchi K
- Kowalczyk AP See Custer PL
- Kowalski HM See Rumanick WM
- Kowalski HM; Cohen WA; Cooper P; et al: pitfalls in the CT diagnosis of atlantoaxial rotary subluxation, *AJNR* 1987; 8: 697
- Kowalshyn MJ See Unger EC
- Kowdley KV See Glickerman DJ
- Koyama Y See Muramatsu Y
- Koyanagi T See Hirose K
- Koyano K; Sakaguchi S: selective stripping operation based on Doppler ultrasonic findings for primary varicose veins of the lower extremities, (ab), *Radiology* 1988; 169: 885
- Koyle MA See Marcus CS
- Kozak BE See Rosch J
- Kozak BE; Keller FS; Rosch J; et al: selective therapeutic embolization of renal cell carcinoma in solitary kidneys, (ab), *Radiology* 1987; 165: 884
- Kozak BE; Rosch J: curved guide wire for percutaneous pulmonary angiography, *Radiology* 1988; 167: 864
- Kozakewich H See Hoffer FA
- Kozaki S See Hayashi K
- Kozeny GA; Barr W; Bansal VK; et al: occurrence of renal tubular dysfunction in lupus nephritis, (ab), *Radiology* 1987; 165: 589
- Kozic Z See Ryan RW
- Kozlowski K See Azouz EM
- Kozlowski K See Brahimi L
- Kozlowski K See Colavita N
- Kozlowski K See Jequier S
- Kozlowski K See Levy MH
- Kozlowski K See Silience DO
- Kozlowski K; Azouz EM; Campbell J; et al: primary bone tumours of the hand: report of 21 cases, *Pediatr Radiol* 1988; 18: 140
- Kozlowski K; Bacha L; Massen R; et al: new type of spondylo-metaphyseal dysplasia—Algerian type: report of five cases, *Pediatr Radiol* 1988; 18: 221
- Kozlowski K; Colavita N; Morris L; et al: bilateral glenoid dysplasia: report of 8 cases, (ab), *Radiology* 1986; 158: 859
- Kozlowski K; Collis J; Suter M; et al: rib gap anomaly in partial or mosaic trisomy 8, *Skeletal Radiol* 1988; 17: 251
- Kozlowski K; Diard F; Padovani J; et al: unilateral mid-femoral periosteal new-bone of varying aetiology in children: radiographic analysis of 25 cases, *Pediatr Radiol* 1986; 16: 475
- Kozlowski K; Jequier S; Silience D; et al: cloverleaf skull and bone dysplasias (report of four cases), *Australas Radiol* 1987; 31: 309
- Kozlowski K; Kan A: intrauterine dwarfism, peculiar facies and thin bones with multiple fractures—a new syndrome, *Pediatr Radiol* 1988; 18: 394
- Kozlowski K; Scougall J: congenital bilateral glenoid hypoplasia: a report of four cases, *Br J Radiol* 1987; 60: 705
- Kozlowski K; Scougall J; Hockey A: unclassified osteochondrodysplasias with extreme platyspondyly (report of two cases), *Australas Radiol* 1988; 32: 263
- Kozlowski K; Tsuruta T; Taki N; et al: new type of achondrogenesis, *Pediatr Radiol* 1986; 16: 430
- Kozuka T See Akira M
- Kozuka T See Takashima S
- Krabh HJ See Mathias KD
- Kraft KA; Fatouros PP; Clarke GD; et al: MRI phantom material for quantitative relaxometry, *Magn Res Med* 1987; 5: 555
- Kraft SC: modern clinical aspects of inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 213
- Krahling KH See Konig H-J
- Krahwinkel W; Herzog H; Feinendegen LE: pharmacokinetics of thallium-201 in normal individuals after routine myocardial scintigraphy, *J Nucl Med* 1988; 29: 1582
- Kraiphibul P See Attichartakarn V
- Krajewski A See Golczewski T
- Kralendonek JH See Karim ABMF
- Krall JM See Hanks GE
- Krall JM See Pilepich MV
- Krally C See Miraldi FD
- Kramann B See Scherer K
- Kramer C See Lagier R
- Kramer DC See Mian TA
- Kramer DM See Carlson J
- Kramer DM See Winkler ML
- Kramer E See Rafii M
- Kramer EL See Kagen S
- Kramer EL See Lubat E
- Kramer EL See Tiu S
- Kramer EL; Rafii M; Fazzini E; et al: bone scan appearance of osteogenesis imperfecta in an adult, *Clin Nucl Med* 1986; 11: 331
- Kramer EL; Sanger JJ; Garay SM; et al: gallium-67 scans of the chest in patients with acquired immunodeficiency syndrome, *J Nucl Med* 1987; 28: 1107
- Kramer EL; Sanger JJ; Walsh C; et al: contribution of SPECT to imaging of gastrointestinal adenocarcinoma with ^{111}In -labeled anti-CEA monoclonal antibody, *AJR* 1988; 151: 697
- Kramer FL; Goodman J; Allen S: thrombolytic therapy in catheter-related subclavian venous thrombosis, *J Canad Assoc Radiol* 1987; 38: 106
- Kramer FL; Teitelbaum G; Merli GJ: panvenography and pulmonary angiography in the diagnosis of deep venous thrombosis and pulmonary thromboembolism, *Radiol Clin North Am* 1986; 24: 397
- Kramer G See Just M
- Kramer G See Kretschmar K
- Kramer JH; Norman D; Brant-Zawadzki M; et al: absence of white matter changes on magnetic resonance imaging in children treated with CNS prophylaxis therapy for leukemia, (ab), *Radiology* 1988; 169: 295
- Kramer PPG; Scheers IM: round anterior margin of lumbar vertebral bodies in children with a meningomyelocele, *Pediatr Radiol* 1987; 17: 263
- Kramer S See Brady LW
- Kramer S See Diamond JJ
- Kramer S; Marcial VA; Pajak TF; et al: prognostic factors for loco/regional control and metastasis and the impact on survival, *Int J Radiat Oncol Biol Phys* 1986; 12: 573
- Kramer SS See Jones B
- Kramer SS See Yeager AM
- Kramolowsky EV See Barloon TJ
- Kramolowsky EV; Willoughby BL; Loening SA: extracorporeal shock wave lithotripsy in children, (ab), *Radiology* 1988; 166: 292
- Kransdorf MJ; Utz JA; Gilkey FW; et al: MR appearance of fibroxanthoma, *JCAT* 1988; 12: 612
- Kranyak MS See Spaulding CA
- Krapf R; Markwalder T-M; Linders HR: failure to demonstrate a vasoconstrictive effect of vasopressin on the internal carotid and middle cerebral arteries: transcranial ultrasound Doppler study, *Ultrasound Med Biol* 1987; 13: 131
- Krapp-Hansen A; Wassermann K; Rasmussen SN; et al: pharmacokinetics of doxorubicin in man with induced acid or alkaline urine, *Acta Oncol* 1988; 27: 25
- Krasicky GA See Drane WE
- Krasicky GA See Shier CK
- Krasicky GA; Froelich JW; Shetty PC: abnormal pelvic venous collaterals demonstrated during a gastrointestinal bleeding study, *Clin Nucl Med* 1986; 11: 595
- Krasna MJ See Brolin RE
- Krasnor S See Arakawa M
- Krasnow AZ See Collier BD Jr
- Krasnow AZ; Collier BD; Isitman AT; et al: diffuse muscle uptake of technetium-99m MDP in a patient with lung cancer, *Clin Nucl Med* 1988; 13: 538
- Krasnow AZ; Collier BD; Isitman AT; et al: false-negative bone imaging due to etidronate disodium therapy, *Clin Nucl Med* 1988; 13: 264
- Krasnow AZ; Collier BD; Kneeland JB; et al: comparison of high-resolution MRI and SPECT bone scintigraphy for noninvasive imaging of the temporomandibular joint, *J Nucl Med* 1987; 28: 1268
- Krasnow AZ; Isitman AT; Collier BD; et al: flow study and SPECT imaging for the diagnosis of giant cell tumor of bone, *Clin Nucl Med* 1988; 13: 89
- Kratka PS See Zuckier LS
- Kraus AP Jr See Brown DL
- Kraus R: atlas de radiologie du pied (atlas of foot radiology), 2d ed., *Radiology* 1986; 158: 132
- Kraus R; Han BK; Babcock DS; et al: sonography of neck masses in children, *AJR* 1986; 146: 609
- Kraus RA: imagerie moderne (angiographie numerisee, T.D.M., I.R.M., radiologie d'intervention) du coeur et des vaisseaux (visceres et membres) [modern imaging (digital angiography, C.T., M.R.I., interventional radiology) of the heart and great vessels (visceral and extremities)], *Radiology* 1988; 168: 136
- Kraus RA; Macke JC; Crawford AH; et al: popliteal vein compression by a fibular osteochondroma: case report, *Pediatr Radiol* 1986; 16: 173
- Krause D; Maitrot D; Veillon F; et al: migratory lumbar disc herniation: computerized tomography and surgery, *J Neuroradiol* 1987; 14: 39
- Krause DW See Williams SM
- Krause N See Reguardt H
- Krause VW See Belcourt CL
- Krauter D See Blumhagen JD
- Krauth PH; Katz JF; Kaposi's sarcoma involving the thyroid in a patient with AIDS, *Clin Nucl Med* 1987; 12: 848
- Kravetz GW; Cho KC; Baker SR: radiologic evaluation of pancreatic ascites, *Gastrointest Radiol* 1988; 13: 163
- Kravetz MH See Rhee RS
- Krebs CA; Eisenberg RL; Ratcliff S; et al: cava-suprarenal line: new position for sonographic imaging of left adrenal gland, *JCU* 1986; 14: 535
- Krebs FJ See Awwad EE
- Krebs W See Erbel R
- Kreack J See Sty JR
- Kreack J; Starshak RJ: cervical kyphosis in diastrophic dwarfism: CT and MR findings, *Pediatr Radiol* 1987; 17: 321
- Kreider JW See Osbakken MD
- Kreipke DL See Becker GJ
- Kreipke DL See Conces DJ Jr
- Kreipke DL See Hicks ME
- Kreipke DL See Jackson VP
- Krejs GJ: VIPoma syndrome, (ab), *Radiology* 1988; 166: 291
- Krellenstein DJ See Mendelson DS
- Kremer JM; Lee JK: long-term prospective study of the use of methotrexate in rheumatoid arthritis: update after a mean of fifty-three months, (ab), *Radiology* 1988; 169: 886

- Kremer JM; Lee JK: safety and efficacy of the use of methotrexate in long-term therapy for rheumatoid arthritis, (ab), *Radiology* 1987; 162: 295
- Kremer SM; Rosenberg HK; Sherman NH; et al: rapidly expanding mass in a neonate, *JCU* 1986; 14: 569
- Kremkau FW; Taylor KJW: artifacts in ultrasound imaging, *J Ultrasound Med* 1986; 5: 227
- Krepshaw JD See Oppenheim BE
- Kressel H See De Roos A
- Kressel HY See Axel L
- Kressel HY See Bezi M
- Kressel HY See Cohen EK
- Kressel HY See Coleman BG
- Kressel HY See Coscina WF
- Kressel HY See Ebner F
- Kressel HY See Gelfer WB
- Kressel HY See Glickstein MF
- Kressel HY See Grenier N
- Kressel HY See Lenkinski RE
- Kressel HY See Levine MS
- Kressel HY See Mezzich RS
- Kressel HY See Mitchell DG
- Kressel HY See Phillips ME
- Kressel HY See Pollack MS
- Kressel HY See Rao VM
- Kressel HY See Schiebler ML
- Kressel HY See Spritzer CE
- Kressel HY See Thickman D
- Kressel HY: strategies for magnetic resonance imaging of focal liver disease, *Radiol Clin North Am* 1988; 26: 607
- Krestin GP; Beyer T; Steinbrich W: computed tomography in the differential diagnosis of the enlarged retrorectal space, *Gastrointest Radiol* 1986; 11: 364
- Krestin GP; Steinbrich W; Friedmann G: recurrent rectal cancer: diagnosis with MR imaging versus CT, *Radiology* 1988; 168: 307
- Kretschmar CS See Loeffler JS
- Kretschmar K See Schroth G
- Kretschmar K; Ludwig B; Kramer G; et al: bilateral lesions of the putamina, *Neuroradiol* 1986; 28: 87
- Kreuning J See Shaw PC
- Kricheff I See Jungreis CA
- Kricheff II See Firooznia H
- Kricheff II See Goy AMC
- Kricheff II See Kieffer SA
- Kricheff II: arteriosclerotic ischemic cerebrovascular disease, *Radiology* 1987; 162: 101
- Kricun ME See Mitchell DG
- Kricun ME See Rafto SE
- Kriedemann E See Rotte KH
- Krieger JN See See WA
- Kriegshauser JS; Charbonneau JW; Letendre L: hepatic venocclusive disease after bone-marrow transplantation: diagnosis with duplex sonography, *AJR* 1988; 150: 289
- Kriegshauser JS; Sweet RG; McCarthy JT; Hauser MF: aluminum toxicity in patients undergoing dialysis: radiographic findings and prediction of bone biopsy results, *Radiology* 1987; 164: 399
- Kriesmer P See Taylor GA
- Krill CE Jr See Agamannolis DP
- Krinksky S: thyroid ectopia in a congenital hypothyroid infant, *Clin Nucl Med* 1986; 11: 602
- Krischer J See Freeman CR
- Krishnamurthy GT See Keefe EB
- Krishnamurthy S See Keefe EB
- Krishnamurthy S See Schuffler MD
- Krishnan EC See Krishnan L
- Krishnan L See Jewell WR
- Krishnan L; Jewell WR; Mansfield CM; et al: cosmetic results in early breast cancer treated with lumpectomy, peri-operative interstitial irradiation, and external beam radiation, *Int J Radiat Oncol Biol Phys* 1988; 15: 205
- Krishnan L; Jewell WR; Mansfield CM; et al: perioperative interstitial irradiation in the conservative management of early breast cancer, *Int J Radiat Oncol Biol Phys* 1987; 13: 1661
- Krishnan L; Krishnan EC; Jewell WR: immediate effect of irradiation on microvasculature, *Int J Radiat Oncol Biol Phys* 1988; 15: 147
- Krishnaswami V See Lavine SJ
- Kristal H See Borochowitz Z
- Kristensen H See Bundgaard T
- Kristoffersen K See Hansen LK
- Kritscher H See Dremsek PA
- Krivicky B See Biers S
- Krivicky B See Hermann G
- Krivokapich J; Child JS; Dadourian BJ; et al: reassessment of echocardiographic criteria for diagnosis of mitral valve prolapse, (ab), *Radiology* 1988; 169: 293
- Kriwisky M; Froom P; Gross M; et al: usefulness of echocardiographically determined mitral leaflet motion for diagnosis of mitral valve prolapse in 17- and 18-year-old men, (ab), *Radiology* 1987; 165: 587
- Krochak RJ See Fortier GA
- Kroeker MA See Burdely DA
- Kroeker RM; Stewart CA; Bronskill MJ; et al: continuous distributions of NMR relaxation times applied to tumors before and after therapy with x-rays and cyclophosphamide, *Magn Res Med* 1988; 6: 24
- Krohnel GB; Rosenberg PN; Wright JE; et al: localized orbital neurofibroma, (ab), *Radiology* 1986; 159: 822
- Krohn KA See Grunbaum Z
- Krohn KA See Rasey JS
- Krohn KA See Spence AM
- Krol G See See G
- Krol G; Galichich J; Arbit E; et al: preoperative localization of intracranial lesions on MR, *AJNR* 1988; 9: 513
- Krol G; See G; Amster J: table-top support plate for imaging the entire spine with surface-coil MR, *AJNR* 1988; 9: 396
- Krol G; See G; Malik M; et al: MR of cranial and spinal meningeal carcinomatosis: comparison with CT and myelography, *AJNR* 1988; 9: 709
- Kromhout D; Boschker EB; Drijver M; et al: serum cholesterol and 25-year incidence of and mortality from myocardial infarction and cancer: the Zutphen Study, (ab), *Radiology* 1988; 169: 291
- Kron IL See de Lange EE
- Kronauge JF See Pivnick-Worms D
- Kroon HM See Coerkamp EG
- Kroon HM See de Bruine FT
- Kroon HM See Gult GL
- Kroon BR See Jackels SC
- Kroovand RL; Harrison LH; McCullough DL: extracorporeal shock wave lithotripsy in childhood, (ab), *Radiology* 1988; 167: 296
- Kropf L See Rousseau H
- Kropp J; Emons D; Winkler C: neurenteric cyst diagnosed by technetium-99m pertechnetate sequential scintigraphy, *J Nucl Med* 1987; 28: 1218
- Kropp K See Persutte WH
- Krubsack AJ See Kneeland JB
- Krubsack AJ: fetal adenoma of the thyroid: a common source for false-positive thallium-201/technetium-99m pertechnetate subtraction parathyroid scintigraphy, *Clin Nucl Med* 1987; 12: 539
- Krubsack AJ; Akhtar R: caudal view: aid in testicular scanning, *Clin Nucl Med* 1987; 12: 614
- Krudy AG See Miller DL
- Krueger JB; Sagerman RH; King CA: stage III thymoma: results of postoperative radiation therapy, *Radiology* 1988; 168: 855
- Kruger K-G See Wernecke K
- Kruger RA See Simons MA
- Krul JM; Gooskens RH; Ramos L; et al: ultrasound detection of a choroid plexus papilloma of the third ventricle, *J Neuroradiol* 1987; 14: 179
- Kruse B See Leibman AJ
- Kruse H-P See Kuhlencordt F
- Kruse J; Phillips DM: factors influencing women's decision to undergo mammography, (ab), *Radiology* 1988; 167: 587
- Krutoff B See Shukla SS
- Kruyer WB See Orzel JA
- Kruyt RH; Giesbers AAGM: color Doppler analysis of penile arteries in impotence, *Radiology* 1988; 169: 283
- Kruyt RH; Kums JMM: Kock pouch urinary diversion: follow-up by ultrasound, *Br J Radiol* 1988; 61: 811
- Krysic RJ See Rhodes RA
- Ku J See Braunstein EM
- Kuan BB See Tan CT
- Kuban DA; El-Mahdi AM; Schellhammer PF: effect of TURP of prognosis in prostatic carcinoma, *Int J Radiat Oncol Biol Phys* 1987; 13: 1653
- Kubek RJ See Chiles C
- Kubicka RA See Rabin DN
- Kubicka RA; Smith C: how to interpret coronary arteriograms, *Radiographics* 1986; 6: 661
- Kubler O See Kikinis R
- Kubler W See Knapp WH
- Kubo A See Kosuda S
- Kubo A See Shigematsu N
- Kubo K See Hattori N
- Kubota RT; Resnik CS: periparticular calcification in immunosuppressed cardiac transplant patients, *Invest Radiol* 1988; 23: 113
- Kuc R See Taylor KJW
- Kucharczyk J See Colombo N
- Kucharczyk J See Kelly WM
- Kucharczyk W See Bronskill MJ
- Kucharczyk W See Chen JC
- Kucharczyk W See Colombo N
- Kucharczyk W See Kelly WM
- Kucharczyk W See Lemme-Plagios L
- Kucharczyk W See McNamara MT
- Kucharczyk W; Brant-Zawadzki M: occult cerebral vascular malformations: high-field MR imaging, *Radiology* 1986; 161: 278
- Kucharczyk W; Crawley AP; Kelly WM; et al: effect of multislice interference on image contrast in T2- and T1-weighted MR images, *AJNR* 1988; 9: 443
- Kucharczyk W; Davis DO; Kelly WM; See G; Norman D; Newton TH: pituitary adenomas: high-resolution MR imaging at 1.5 T, *Radiology* 1986; 161: 761
- Kucharczyk W; Kelly WM; Davis DO; Norman D; Newton TH: intracranial lesions: flow-related enhancement on MR images using time-of-flight effects, *Radiology* 1986; 161: 767
- Kucharczyk W; Peck WW; Kelly WM; Norman D; Newton TH: Rathke cleft cysts: CT, MR imaging, and pathologic features, *Radiology* 1987; 165: 491
- Kucich VA; Vogelzang RL; Hartz RS; LoCicero J III; Dalton D: ruptured thoracic aneurysm: unusual manifestation and early diagnosis using CT, *Radiology* 1986; 160: 87
- Kudlak T See London RA
- Kudo M; Hirasa M; Takakuwa H; Ibuki Y; Fujimi K; Miyamura M; Tomita S; Komori H; Tendo A; Kitaura Y; Ikekubo K; Torizuka K: small hepatocellular carcinomas in chronic liver disease: detection with SPECT, *Radiology* 1986; 159: 697
- Kudo S See Bechtel W
- Kudryk BJ See Rosebrough SF
- Kudva BV See Hasegawa BH
- Kuehn DS See Hicks ME
- Kuentz M See Ganem G
- Kuhajda FP See Greyson-Fleg RT
- Kuhajda FP See Kuhlman JE
- Kuharik MA; Edwards MK: cerebral venous distention associated with cardiac failure in infants, *AJNR* 1987; 8: 657
- Kuharik MA; Edwards MK; Farlow MR; et al: Cd-enhanced MR imaging of acute and chronic experimental demyelinating lesions, *AJNR* 1988; 9: 643
- Kuhl DE; Wagner HN; Alavi A; et al: positron emission tomography: clinical status in the United States in 1987, *J Nucl Med* 1988; 29: 1136
- Kuhlencordt F; Kruse H-P: case report 422, *Skeletal Radiol* 1987; 16: 407
- Kuhlman JE; Fishman EK; Burch PA; et al: CT of invasive pulmonary aspergillosis, *AJR* 1988; 150: 1015
- Kuhlman JE; Fishman EK; Kuhajda FP; Mezzanone MM; Khouri NF; Zerhouni EA; Siegelman SS: solitary bronchioloalveolar carcinoma: CT criteria, *Radiology* 1988; 167: 379
- Kuhlman JE; Fishman EK; Leichter PK; Magid D; Orde SE; Siegelman SS: skeletal metastases from hepatoma: frequency, distribution, and radiographic features, *Radiology* 1986; 160: 175
- Kuhlman JE; Fishman EK; Magid D; Scott WW Jr; Brooker AF; Siegelman SS: fracture nonunion: CT assessment with multiphase reconstruction, *Radiology* 1988; 167: 483
- Kuhlman JE; Fishman EK; Wang KP; et al: mediastinal cysts: diagnosis by CT and needle aspiration, *AJR* 1988; 150: 75
- Kuhlman JE; Scatarige JC; Fishman EK; et al: CT demonstration of high attenuation pleural-parenchymal lesions due to amiodarone therapy, *JCAT* 1987; 11: 160
- Kuhlman JE; Scott WW Jr; Fishman EK; Pyeritz RE; Siegelman SS: acetabular protrusion in the Marfan syndrome, *Radiology* 1987; 164: 415
- Kuhn G See Yernault J-C
- Kuhn JP See Montgomery P
- Kuhn M See Goldfarb CR
- Kuhn MJ; Johnson KA; Davis KR: Wallerian degeneration: evaluation with MR imaging, *Radiology* 1988; 168: 199
- Kuhn MJ; Ongseng F; Goldfarb CR: hepatic cirrhosis in a patient with total situs inversus: unique findings on liver-spleen imaging, *Clin Nucl Med* 1987; 12: 243
- Kuhn W See Offermann W
- Kuhns LR: imaging in pediatric oncology, *Radiology* 1986; 158: 236
- Kukita C See Komatsu Y
- Kulb TB See Knapp PM
- Kulhanian F See Byfield JE
- Kulick RM; Selbot SM; Baker MD; et al: thermal epiglottitis after swallowing hot beverages, (ab), *Radiology* 1988; 168: 888
- Kuligowska E See Hernandez-Schulman M
- Kuligowska E See Salzman L
- Kulkarni M See Raval B
- Kulkarni MV See Ertzner TW
- Kulkarni MV See Mayer JS
- Kulkarni MV See Mirich DR
- Kulkarni MV See Narayana PA
- Kulkarni MV See Partain CL
- Kulkarni MV See Patton JA
- Kulkarni MV See Volkow ND
- Kulkarni MV See Yeakley JW
- Kulkarni MV; Bondurant FJ; Rose SL; Narayana PA: 1.5 tesla magnetic resonance imaging of acute spinal trauma, *Radiographics* 1988; 8: 1059

- Kulkarni MV; Drolshagen LF; Kaye JJ; et al: MR imaging of hemophilic arthropathy. *JCAT* 1986; 10: 445
- Kulkarni MV; Lee KF; McArdle CB; et al: 1.5-T MR imaging of pituitary microadenomas: technical considerations and CT correlation. *AJNR* 1988; 9: 5
- Kulkarni MV; McArdle CB; Kopanicky D; Miner M; Cotler HB; Lee KF; Harris JH: acute spinal cord injury: MR imaging at 1.5 T. *Radiology* 1987; 164: 837
- Kulkarni MV; Narayana PA; McArdle CB; et al: cervical spine MR imaging using multislice gradient echo imaging: comparison with cardiac gated spin echo. *Magn Res Imag* 1988; 6: 517
- Kulkarni MV; Patton JA; Price RR: technical considerations for the use of surface coils in MRI. *AJR* 1986; 147: 373
- Kulkarni MV; Price RR; Mehta SD; et al: techniques of non-orthogonal magnetic resonance imaging and its clinical application. *Magn Res Imag* 1987; 5: 39
- Kulkarni MV; Tarr RR; Kim EE; et al: potential pitfalls of magnetic resonance imaging in the diagnosis of avascular necrosis. *J Nucl Med* 1987; 28: 1052
- Kulkarni V See Huiulog NG
- Kullenberg K See Ekberg O
- Kullendorff B; Nyman U; Aspelin P: computed tomography in renal replacement lipomatosis. *Acta Radiol* 1987; 28: 447
- Kullmann G; Lien HH: intraabdominal hematoma following orchietomy: potential pitfall in using CT for staging of testicular cancer. *Radiology* 1987; 163: 129
- Kumar A See Mafee MF
- Kumar A See Rao RCK
- Kumar A; Fishman C; Torok N: vestibular and auditory function in Usher's syndrome. (ab). *Radiology* 1986; 158: 286
- Kumar AJ See Merline D
- Kumar AJ See Zinreich SJ
- Kumar AJ; Hassenbusch S; Rosenbaum AE; et al: sequential computed tomographic imaging of a transplantable rabbit brain tumor. *Neuroradiol* 1986; 28: 81
- Kumar AJ; Rosenbaum AE; Naidu S; Wener L; Citrin CM; Lindenberg R; Kim WS; Zinreich SJ; Molliver ME; Mayberg HS; Moser HW: adrenoleukodystrophy: correlating MR imaging with CT. *Radiology* 1987; 165: 497
- Kumar EN See Patel B
- Kumar KS; Sancho AM; Weiss JF: novel interaction of diethylthiocarbamate with the glutathione/glutathione peroxidase system. *Int J Radiat Oncol Biol Phys* 1986; 12: 1463
- Kumar M See Ney C
- Kumar ML See Baets-Greenwalt B
- Kumar NG See Moran FR
- Kumar PP; Good RR: interstitial ¹²⁵I implantation in the retreatment of retroperitoneal soft tissue sarcoma: report of a case. *Acta Oncol* 1986; 25: 37
- Kumar PP; Good RR: vicryl carrier for I-125 seeds: percutaneous transperineal insertion. *Radiology* 1986; 159: 276
- Kumar PP; Good RR; Skultety FM; et al: radiation-induced neoplasms of the brain. (ab). *Radiology* 1987; 164: 887
- Kumar R See Bedi DG
- Kumar R See Patel NP
- Kumar R See Winsett MZ
- Kumar R; Bedi DG; Fawcett HD; et al: indium-111 leukocyte scanning: false-negative study in a renal abscess. *Clin Nucl Med* 1986; 11: 274
- Kumar R; David R; Madewell JE; et al: radiographic spectrum of osteogenic sarcoma. *AJR* 1987; 148: 767
- Kumar R; Guinto FC Jr; Madewell JE; David R; Shirkhoda A: expansile bone lesions of the vertebra. *Radiographics* 1988; 8: 749
- Kumar R; Guinto FC Jr; Madewell JE; Swischuk LE; David R: vertebral body: radiographic configurations in various congenital and acquired disorders. *Radiographics* 1988; 8: 455
- Kumar R; Madewell JE: rheumatoid and seronegative arthropathies of the foot. *Radiol Clin North Am* 1987; 25: 1263
- Kumar R; Madewell JE; Swischuk LE: normal and abnormal growth plate. *Radiol Clin North Am* 1987; 25: 1133
- Kumar R; Swischuk LE; Madewell JE: benign cortical defect: site for an avulsion fracture. *Skeletal Radiol* 1986; 15: 553
- Kumar R; Swischuk LE; Schreiber MH: role of indium-111 chloride imaging in osteoid osteoma. *Clin Nucl Med* 1986; 11: 721
- Kumar SJ See Grissom LE
- Kumar SJ; Marks HG; Bowen JR; et al: hip dysplasia associated with Charcot-Marie-Tooth disease in the older child and adolescent. (ab). *Radiology* 1986; 158: 575
- Kumar VP; Balasubramanian P: role of atmospheric pressure in stabilizing the shoulder. (ab). *Radiology* 1986; 159: 572
- Kumaran TO See Mehta AB
- Kumari-Subaiya S See Phillips G
- Kumari-Subaiya SS See Stevens PG
- Kumari-Subaiya S See Chardavoyne R
- Kumasaoka GH See Lee F
- Kumasaka GH See Littrup PJ
- Kumasaki DY See Rhee KS
- Kume K See Taguchi T
- Kummer BA See Miller RE
- Kumpan W See Hajek PC
- Kumpan W; Lechner G; Wittich GR; et al: angiographic response of osteosarcoma following pre-operative chemotherapy. *Skeletal Radiol* 1986; 15: 96
- Kumpan W; Salomonowitz E; Seidl G; et al: intravertebral vacuum phenomenon. *Skeletal Radiol* 1986; 15: 444
- Kumpe D: vena cava filter insertion and angiographic diagnosis of pulmonary embolism. *Cardiovasc Intervent Radiol* 1988; 11: S21
- Kumpe DA See Redmond FL
- Kumpe DA See Rose SC
- Kumpe DA; Zwerdlinger S; Griffin DJ: blue digit syndrome: treatment with percutaneous transluminal angioplasty. *Radiology* 1988; 166: 37
- Kumra A See Numaguchi Y
- Kumra AK See Numaguchi Y
- Kums JJM See Krut RH
- Kumura D; Miller JH; Sinatra FR: septo-optic dysplasia: recognition of causes of false-positive hepatobiliary scintigraphy in neonatal jaundice. *J Nucl Med* 1987; 28: 966
- Kumasaoka GH See Lee F
- Kun LE See Petty AM
- Kun LE See Schewe KL
- Kun LE; Toohill RJ; Holoye PY; et al: randomized study of adjuvant chemotherapy for cancer of the upper aerodigestive tract. *Int J Radiat Oncol Biol Phys* 1986; 12: 173
- Kundel HL See Arenson RL
- Kundel HL See Carvlin MJ
- Kundel HL See De Simone DN
- Kundel HL See Goldstein DC
- Kundel HL See Mitchell MD
- Kundel HL See Nodine CF
- Kundel HL See Wood AKW
- Kundel HL: digital projection radiography of the chest. *Radiology* 1986; 158: 274
- Kundel HL: visual perception and image display terminals. *Radiol Clin North Am* 1986; 24: 69
- Kundel HL; Mezrich LJ; Brickman I; Siegel R; Miller WT; Epstein DM; Gefter WB; Arenson RL; Seshadri SB; Khalsa S: digital chest imaging: comparison of two film image digitizers with a classification task. *Radiology* 1987; 165: 747
- Kundel HL; Nodine CF; Thickman D; et al: searching for lung nodules: comparison of human performance with random and systematic scanning models. *Invest Radiol* 1987; 22: 417
- Kundel HL; Schlackman B; Joseph PM; et al: water content and NMR relaxation time gradients in the rabbit kidney. *Invest Radiol* 1986; 21: 12
- Kundel HL; Shetty A; Joseph PM; et al: sodium NMR imaging of lung water in rats. *Magn Res Med* 1988; 6: 381
- Kune GA See Alexander IA
- Kung HF See Boyko OB
- Kung HF See Efang SMN
- Kung I See Seal RME
- Kunhardt B See Sridhar KS
- Kuni CC; Rogge DM: radionuclide brain perfusion studies in suspected brain death. *Clin Nucl Med* 1986; 11: 551
- Kunieda E See Furuse M
- Kunieda E See Kosuda S
- Kunin M: bridging septa of the perinephric space: anatomic, pathologic, and diagnostic considerations. *Radiology* 1986; 158: 361
- Kunin M; Phillips JJ; Schwarz G: visual contrast enhancement with a patterned overlay. *Radiology* 1988; 167: 271
- Kunkler IH; Merrick MW: value of non-staging skeletal scintigraphy in breast cancer. *Clin Radiol* 1986; 37: 561
- Kunnen M; Van Egomond H; Verhaaren H; et al: cardioangiography in children with isoxel, metrizoate and ioxaglate. (ab). *Radiology* 1986; 158: 283
- Kuno S-y; Katsuta S; Inouye T; Anno I; Matsumoto K; Akisada M: relationship between MR relaxation time and muscle fiber composition. *Radiology* 1988; 169: 567
- Kunz D See Haase A
- Kunz D: double pulse echoes—novel approach for fat-water separation in magnetic resonance imaging. *Magn Res Med* 1986; 3: 639
- Kunz D: use of frequency-modulated radiofrequency pulses in MR imaging experiments. *Magn Res Med* 1986; 3: 377
- Kuo LC See Rokoy R
- Kuo S-J See Liu R-S
- Kuoni W See Kikinis R
- Küper K See Walter E
- Kura ML See McLoughlin MJ
- Kurai O See Shiomu S
- Kurakawa Y; Niwa J; Akagawa S: convexity intracerebral arachnoid cyst: CT entity to be differentiated from a cystic glioma. *Comput Radiol* 1986; 4: 259
- Kurashima A See Tokiguchi S
- Kurashina T See Saito H
- Kurdziel JC See Dondelinger RF
- Kurita K See Katzberg RW
- Kuriyama K See Narumi Y
- Kuriyama K; Tateishi R; Doi O; et al: CT-pathologic correlation in small peripheral lung cancers. *AJR* 1987; 149: 1139
- Kuriyama Y See Touho H
- Kurjak A See Jurkovic D
- Kurjak A; Alfirevic Z; Miljan M: conventional and color Doppler in the assessment of fetal and maternal circulation. *Ultrasound Med Biol* 1988; 14: 337
- Kurjak A; Blankier J: atlas of ultrasonography in obstetrics and gynecology. *Radiology* 1988; 167: 606
- Kurjak A; Breyer B: use of ultrasound in developing countries. *Ultrasound Med Biol* 1986; 12: 611
- Kurjak A; Jurkovic D: value of ultrasound in the initial assessment of gynecological patients. *Ultrasound Med Biol* 1987; 13: 401
- Kurland R See Koenig SH
- Kurland RJ; Ngo FQH: effect of induced field inhomogeneity on transverse proton NMR relaxation in tissue water and model systems. *Magn Res Med* 1986; 3: 425
- Kuroda A See Itai Y
- Kuroda C; Yoshioka H; Tokunaga K; et al: fine-needle aspiration biopsy via percutaneous transhepatic catheterization: technique and clinical results. *Gastrointest Radiol* 1986; 11: 81
- Kuroda M See Narumi Y
- Kuroiwa Y; Tohgi H; Kanayama H; et al: neuro-Behcet's disease with alternating hemiparesis. *Neuroradiol* 1986; 28: 284
- Kurokawa H; Miura S; Goto T: echordosis physaliphora arising from the cervical vertebra, the CT and MRI appearance. *Neuroradiol* 1988; 30: 81
- Kurokawa T See Masuzawa T
- Kuroki T See Shiomu S
- Kurosawa S See Kuwahara M-A
- Kursawe R See Luning M
- Kursunoglu S See Jacob J
- Kursunoglu S See Pathria MN
- Kursunoglu S; Pate D; Resnick D; et al: computed arthrography with multiplanar reformations and three-dimensional image analysis in the evaluation of the cruciate ligaments: preliminary investigation. *J Canad Assoc Radiol* 1986; 37: 153
- Kursunoglu S; Pate D; Resnick D; Haghighi P; Tyson R; Pitt M: bone reinforcement lines in chronic adult osteopenia: hypothesis. *Radiology* 1986; 158: 409
- Kurtz AB See Baltarowich OH
- Kurtz AB See Belfar HL
- Kurtz AB See Bezzi M
- Kurtz AB See Fleischer AC
- Kurtz AB See Hertzberg BS
- Kurtz AB See Mintz MC
- Kurtz AB See Mitchell DG
- Kurtz AB See Najarian KE
- Kurtz AB See Needleman L
- Kurtz AB See Pato ME
- Kurtz AB See Pennell RG
- Kurtz AB See Wechsler RJ
- Kurtz AB; Filly RA; Wapner RJ; et al: in utero analysis of heterozygous achondroplasia: variable time of onset as detected by femur length measurements. *J Ultrasound Med* 1986; 5: 137
- Kurtz B See Ozdoba C
- Kurtz D See Garra BS
- Kurtz JM; Amalric R; Brandone H; et al: contralateral breast cancer and other second malignancies in patients treated by breast-conserving therapy with radiation. *Int J Radiat Oncol Biol Phys* 1988; 15: 277
- Kurtz JM; Amalric R; Delouche G; et al: second ten years: long-term risks of breast conservation in early breast cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 1327
- Kurtz JM; Spitalier J-M; Amalric R; et al: mammary recurrences in women younger than forty. *Int J Radiat Oncol Biol Phys* 1988; 15: 271
- Kurtzberg D See Giesler BS
- Kuruc A; Treves ST; Rosen PR; et al: estimating the plasma time-activity curve during radionuclide renography. *J Nucl Med* 1987; 28: 1338
- Kuruvilla AM See Rotman M
- Kurz LT See Björkengren AG
- Kurzner SI See Garg M
- Kusano S; Murata K; Ohuchi H; et al: low-dose particulate polyvinylalcohol embolization in massive small artery intestinal hemorrhage: experimental and clinical results. *Invest Radiol* 1987; 22: 388

- Kushihashi T See Munechika H
 Kushmerick MJ See McFarland EW
 Kushmerick MJ: spectroscopic applications of magnetic resonance to biomedical problems, *Cardiovasc Intervent Radiol* 1986; 8: 382
 Kushner DC See Cleveland RH
 Kushner DC See Herman TE
 Kushner DC See Oestmann JW
 Kushner DC See Rosen BR
 Kushner DC; Chin JK; Cleveland RH; et al: neonatal aortic compression caused by a distended bladder, *AJR* 1986; 146: 1273
 Kushner DC; Cleveland RH; Herman TE; et al: retrograde colostomy and ileostomy enemas in neonates and infants: a simple combination of techniques, *Gastrointest Radiol* 1988; 13: 180
 Kushner DC; Cleveland RH; Herman TE; McLoud TC; Waltman AC; Shepard JO; Dedrick CG; Kopans DB; Greene RE: low-dose flying spot digital radiography of the chest: sensitivity studies, *Radiology* 1987; 163: 685
 Kushner DC; Cleveland RH; Herman TE; Zaleske DJ; Ehrlich MG; Correia JA: radiation dose reduction in the evaluation of scoliosis: application of digital radiography, *Radiology* 1986; 161: 175
 Kushner DC; Herman TE; Cleveland RH; et al: reduction of radiation exposure during gastrointestinal biopsy procedures in children, *Invest Radiol* 1988; 23: 211
 Kushner DC; Yoder IC; Cleveland RH; Herman TE; Goodell MM: radiation dose reduction during hysterosalpingography: application of scanning-beam digital radiography, *Radiology* 1986; 161: 31
 Kushner M; Tobin M; Alavi A; et al: cerebellar glucose consumption in normal and pathologic states using fluorine-FDG and PET, *J Nucl Med* 1987; 28: 1667
 Kuske RR See Grigby PW
 Kuske RR See Pao WM
 Kuske RR See Perez CA
 Kuske RR; Perez CA; Jacobs AJ; et al: microposts in the treatment of carcinoma of the uterine cervix, *Int J Radiat Oncol Biol Phys* 1988; 14: 899
 Kusmierz J See Brecht-Krauss D
 Kusnick C; Hayward I; Sartoris DJ; et al: radiographic evaluation of joints resurfaced with osteochondral shell allografts, *AJR* 1987; 149: 743
 Kusterman A See Ferrazzi E
 Kusumoto S See Honda H
 Kusumoto S See Koga K
 Kusumoto S See Nakayama S
 Kusumoto S; Tsukino H; Watanabe K; et al: case of minute gastric cancer preoperatively diagnosed, *Eur J Radiol* 1987; 7: 65
 Kutcher GJ See Hunt MA
 Kutcher GJ See Laughlin JS
 Kutcher GJ; Hunt M; McCormick B: applicator for optimum cobalt-60 primary breast treatments, *Int J Radiat Oncol Biol Phys* 1988; 14: 511
 Kutcher GJ; Kestler C; Greenblatt D; et al: technique for external beam treatment for mesothelioma, *Int J Radiat Oncol Biol Phys* 1987; 13: 1747
 Kutcher R; Greenebaum E; Rosenblatt R; et al: prostatic carcinoma metastasis to the kidney: diagnosis by thin needle aspiration biopsy, *Urol Radiol* 1986; 8: 98
 Kutcher WA; Bluth EI; Guice SL: sonographic findings of a spermatic cord lipoma: case report and review of the literature, *J Ultrasound Med* 1987; 6: 457
 Kuten A See Front D
 Kuten A; Ben-Aryeh H; Berdicevsky I; et al: oral side effects of head and neck irradiation: correlation between clinical manifestations and laboratory data, *Int J Radiat Oncol Biol Phys* 1986; 12: 401
 Kuten A; Stein M; Steiner M; et al: whole abdominal irradiation following chemotherapy in advanced ovarian carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 14: 273
 Kutka N See Shukla LW
 Kutluk MT See Dören HB
 Kutt E; Hall MJ; Booth A; et al: barium enemas as a headache, *Clin Radiol* 1988; 39: 9
 Kuuliala I See Ketonen L
 Kuuliala IK; Goransson HJ: adverse reactions after isohexol lumbar myelography: influence of postprocedural positioning, *AJNR* 1987; 8: 547
 Kuuliala IK; Goransson HJ: diagnostic contribution of routine cerebro-spinal fluid analysis during myelography, *Clin Radiol* 1987; 38: 169
 Kuwabara M See Kondo T
 Kuwabara Y See Matsubara S
 Kuwabara Y; Ichiya Y; Otsuka M; et al: high ^{18}F -FDG uptake in primary cerebral lymphoma: a PET study, *JCAT* 1988; 12: 47
 Kuwahara M-A; Kambe K; Kurosu S; et al: clinical application of extracorporeal shock wave lithotripsy using microexplosions, (ab), *Radiology* 1988; 166: 587
 Kuwahara M-A; Kambe K; Kurosu S; et al: extracorporeal stone disintegration using chemical explosive pellets as an energy source of underwater shock waves, (ab), *Radiology* 1986; 160: 857
 Kveder M; Lahajnar G; Blinc R; et al: non-Brownian water self-diffusion in lung tissue, *Magn Res Med* 1988; 6: 194
 Kveder M; Zupancic I; Lahajnar G; et al: water proton NMR relaxation mechanisms in lung tissue, *Magn Res Med* 1988; 7: 432
 Kveton JF See Glasscock ME
 Kvinesdal B See Carlsen O
 Kvois L See Glover D
 Kvois LK See Gunderson LL
 Kwai AH; Stomper PC; Kaplan WD: clinical significance of isolated scintigraphic sternal lesions in patients with breast cancer, *J Nucl Med* 1988; 29: 324
 Kwai AH; Tamek SS: early visualization of diverticulitis by technetium-99m pertechnetate imaging, *Clin Nucl Med* 1988; 13: 373
 Kwiatkowski D See Crawford DC
 Kwan ESK See Wolpert SM
 Kwan ESK; Hall A; Enzmann DR: quantitative analysis of intracranial circulation using rapid-sequence DSA, *AJNR* 1986; 7: 295
 Kwan ESK; Hall A; Enzmann DR: quantitative analysis of intracranial circulation using rapid-sequence DSA, *AJR* 1986; 146: 1239
 Kwan ESK; Laucella M; Hedges TR III; et al: cliniconoradiologic approach to third cranial nerve palsies, *AJNR* 1987; 8: 459
 Kwan ESK; Wolpert SM; Hedges TR III; et al: Tolosa-Hunt syndrome revisited: not necessarily a diagnosis of exclusion, *AJNR* 1987; 8: 1067
 Kwan ESK; Wolpert SM; Scott RM; et al: MR evaluation of neurovascular lesions after endovascular occlusion with detachable balloons, *AJNR* 1988; 9: 523
 Kwee IL See Arasaki K
 Kwee IL See Nakada T
 Kwee IL; Nakada T: phospholipid profile of the human brain: ^3P NMR spectroscopic study, *Magn Res Med* 1988; 6: 296
 Kweka EL; O'Neill M; Cooney C; et al: imaging Barrett's oesophagus, *Clin Radiol* 1987; 38: 415
 Kwok TT; Twentymann PR: effect of pre- or post-treatment with a calmodulin inhibitor (trifluoperazine) on the response to cytotoxic agents of cells within small EMT6/Ca/VIAc spheroids, *Int J Radiat Oncol Biol Phys* 1986; 12: 1359
 Kwok TT; Twentymann PR: effects of changes in oxygen tension, pH, and glucose concentration on the response to CCNU of EMT6 mouse tumor monolayer cells and multicellular spheroids, *Int J Radiat Oncol Biol Phys* 1988; 14: 1221
 Kwong YL; Yu YL; Lam KSL; et al: CT appearance in hypertensive encephalopathy, *Neuroradiol* 1987; 29: 215
 Kyriakos M See Nadel S
 Kyriakos M See Sotelo-Avila C
 Kyriakos M See Strecker W
 Kyriakos M See Unger EC
 Kyser PL; McComb BL; Bennett WF: CT evidence of calcification within a small cell carcinoma of the lung, *Comput Radiol* 1986; 10: 107
- L**
- Laasonen EM; Troupp H: volume growth rate of acoustic neuromas, *Neuroradiol* 1986; 28: 203
 Labadie M See Bret PM
 Labbe A; Dechelotte P; Meyer M; et al: Tangier disease, (ab), *Radiology* 1986; 159: 823
 LaBerge JM See Filiatrault D
 LaBerge JM See Kerlan RK Jr
 LaBerge JM; Jeffrey RB Jr: aortic lacerations: fatal complications of thoracic aortography, *Radiology* 1987; 165: 367
 LaBerge JM; Sheff CD: renal obstruction from persistent struvite stone matrix: complication of extracorporeal shock wave lithotripsy, *Radiology* 1987; 163: 535
 Labovitz AJ See Nouri S
 Labrune M See Musset D
 Labs JD; White RI Jr; Anderson JH; et al: thermodynamic correlates of hot tip laser angioplasty, *Invest Radiol* 1987; 22: 954
 Labs LM See Evans SM
 Lacaze A See Gaston A
 Lacey CG See Chang YCF
 Lacey CG See Hricak H
 Lachenbruch PA See Myers MG
 Lachman RS See Herman MW
 Lachman RS; Rimoin DL; Spranger J: metaphyseal chondrodysplasia, Schmid type clinical and radiographic delineation with a review of the literature, *Pediatr Radiol* 1988; 18: 93
 Lack EE See Pastakia B
 Lack EE See Simmons JT
 Lack EE See Suffredini AF
 Lacombe M-J See Vanel D
 Lacombe P; Foster D; Dubost C; et al: selective intraarterial DSA of the parathyroid glands in patients with hyperparathyroidism after parathyroidectomy, *AJR* 1987; 149: 479
 Lacomis D; Osbakken MD; Gross G: spin-lattice relaxation (T_1) times of cerebral white matter in multiple sclerosis, *Magn Res Med* 1986; 3: 194
 Lacomis A See De Maria M
 LaCorte MA See Boxer RA
 Lacour P See Flandry P
 Lacy J; Bober-Sorcinelli KE; Farber LR; et al: acute thrombocytopenia induced by parenteral radiographic contrast medium, *AJR* 1986; 146: 1298
 Lacy JL; Ball ME; Verani MS; et al: improved tungsten-178/tantalum-178 generator system for high volume clinical applications, *J Nucl Med* 1988; 29: 1526
 Lacy JL; Verani MS; Ball ME; et al: first-pass radionuclide angiography using a multiwire gamma camera and tantalum-178, *J Nucl Med* 1988; 29: 293
 Ladd W See Edelman RR
 Ladeb MF See Mathieu D
 Ladeb MF; Chaabane M; Gannouni A: hypertrophic osteoarthropathy in nasopharyngeal carcinoma of a child, *Pediatr Radiol* 1988; 18: 339
 Ladebeck R See Barfuss H
 Laden SA See Stanley JH
 Laderoute KR; Eryavet E; McClelland RA; et al: production of strand breaks in DNA in the presence of the hydroxylamine of SR-2508 (1-[N-(2-hydroxyethyl)acetamido]2-nitroimidazole) at neutral pH, *Int J Radiat Oncol Biol Phys* 1986; 12: 1215
 Ladika JE See Tempkin DL
 Ladouceur J See Baines CJ
 Laerum F See Stris MG
 Laerum F See Stordahl A
 Laerum F: cytotoxic effects of six angiographic contrast media on human endothelium in culture, *Acta Radiol* 1987; 28: 99
 Laerum F; Dehner LP; Ryavsky J; et al: double blind evaluation of the effects of various contrast media on extremity veins in the dog, *Acta Radiol* 1987; 28: 107
 Lafferty CM; Sartoris DJ; Tyson R; et al: acetabular alterations in untreated congenital dysplasia of the hip: computed tomography with multiphase reformation and three-dimensional analysis, *JCAT* 1986; 10: 84
 Laffey KJ See Getrajdman GI
 Laffey KJ; Nixon R; Price JB; et al: percutaneous creation of a hepaticojugular anastomosis, *Gastrointest Radiol* 1987; 12: 304
 Laffey KJ; Martin EC: percutaneous removal of large gallstones, *Gastrointest Radiol* 1986; 11: 165
 Laffey PA See Teplick JG
 Laffey PA; Brandon JC; Teplick SK; et al: ultrasound of hemobilia: a clinical and experimental study, *JCU* 1988; 14: 167
 Laffey PA; Teplick SK; Haskin PH: hemobilia: cause of false-negative duct dilatation, *JCU* 1986; 14: 636
 Lafamme L; Taillefer R; Durancan A; et al: medullary thyroid carcinoma: localization of a mediastinal metastasis with I-131 MIBG, *Clin Nucl Med* 1988; 13: 577
 Lafleur MVM; Pluijmackers-Westmijze EJ; Loman H: effect of radiation-induced reduction of nitroimidazoles on biologically active DNA, *Int J Radiat Oncol Biol Phys* 1986; 12: 1211
 LaFollette PS Jr See Ziskin MC
 LaFollette PS Jr; Ziskin MC: geometric and intensity distortion in echography, *Ultrasound Med Biol* 1986; 12: 953
 LaFontaine RL See Graham LS
 LaFontaine RL; Stein MA; Graham LS; Winter J: cold lesions: enhanced contrast using asymmetric photopack windows, *Radiology* 1986; 160: 255
 Lafortune M See Jequier S
 Lafortune M See Patriquin HB
 Lafortune M; Breton G; Boudoin J-L: radiological report: what is useful for the referring physician?, *J Canad Assoc Radiol* 1988; 39: 140
 Lafortune M; Breton G; Charlebois S: arterioportal fistula demonstrated by pulsed Doppler ultrasonography, *J Ultrasound Med* 1986; 5: 105
 Lafortune M; Constantin A; Breton G; et al: sonography of the hypertrophied column of Bertin, *AJR* 1986; 146: 53

Lafortune

- Lafortune M; Garipey G; Dumont A; et al: V-shaped artifact of the gallbladder wall, *AJR* 1986; 147: 505
- Lafortune M; Patriquin HB; Pomier G; et al: hemodynamic changes in portal circulation after portosystemic shunts: use of duplex sonography in 43 patients, *AJR* 1987; 149: 701
- LaFrance ND See Chen JJS
- LaFrance R; Gelsky DE; Barnes GT: circuit modification that improves mammographic phototimer performance, *Radiology* 1988; 166: 773
- Lafuente J See Camúñez F
- Lagalla R See Cardinale A
- Lagier R See MacGee W
- Lagier R: case report 354, *Skeletal Radiol* 1986; 15: 179
- Lagier R: case report 451, *Skeletal Radiol* 1987; 16: 660
- Lagier R; Kramar C; Baud CA: femoral unicameral bone cyst in a medieval child: radiological and pathological study, *Pediatr Radiol* 1987; 17: 498
- Lagios MD See Margolin FR
- Lagrange JL; Brassard N; Costa A; et al: CT measurement of lung density: the role of patient position and value for total body irradiation, *Int J Radiat Oncol Biol Phys* 1987; 13: 941
- Lagrange HL; Levine RL; Sunderland JS; et al: pitfalls of regional cerebral blood flow analysis in cerebrovascular disease, *Clin Nucl Med* 1988; 13: 197
- Lahajnar G See Kveder M
- Lahde S See Ilkko E
- Lähde S See Päävinsalo M
- Lahiri A See Zanelli GD
- Lahnecne BE See Bouvier JF
- Lahrech H; Briguet A; Graveron-Demilly D; et al: modified stimulated echo sequence for elimination of signals from stationary spins in MRI, *Magn Res Med* 1987; 5: 196
- Lai C-S See Slane JMK
- Lai M-Y See Shue J-C
- Lai P See Fung AY
- Lai S See Keller MS
- Laidlaw WW See Gritter KJ
- Laine FJ See Jensen ME
- Laine HR; Harjula ALJ; Peltokallio P: ultrasonography as a differential diagnostic aid in achillodynia, *J Ultrasound Med* 1987; 6: 351
- Laine HR; Harjula ALJ; Peltokallio P: ultrasound in the evaluation of the knee and patellar regions, *J Ultrasound Med* 1987; 6: 33
- Laing FC See Dolmatch BL
- Laing FC See Filley RA
- Laing FC See Goldstein RB
- Laing FC See Jeffrey RB Jr
- Laing FC See McAninch JW
- Laing FC See Nyberg DA
- Laing FC See Siedler D
- Laing FC See Townsend RR
- Laing FC See Vernacchia FS
- Laing FC See Vogel P
- Laing FC: ultrasound diagnosis of choledocholithiasis, *Semin US CT MR* 1987; 8: 103
- Laing FC; Jeffrey RB Jr; Wing VW; Nyberg DA: biliary dilatation: defining the level and cause by real-time US, *Radiology* 1986; 160: 39
- Laing FC; Ryan T; Hadley K; Jeffrey RB Jr; Wing VW: plastic wrap for US transducer sterility or sanitization, *Radiology* 1986; 160: 846
- Lair ME See Gaylord MS
- Lair JD See Anderson JR
- Lair JD See Gilchrist AM
- Laisey JP; Gaillon F; Chesneau AM; et al: chondromyxosarcoma: a rare form of bone neoplasm in children, *Pediatr Radiol* 1987; 17: 429
- Laisey JP; Rebibo G; Iba Zizen MT; et al: MRI in the pre-operative assessment of tracheal cylindroma: case report, *Eur J Radiol* 1987; 7: 281
- Laivola J See Raintin R
- Lake R See Cohen MB
- Lake RR See Cohen MB
- Laks H See Lois JF
- Lakshminipathi N See Prakash R
- Lalande G See Kalifa GL
- Lalani Z See Jackson FI
- Lalanne B See Delavelle J
- Lalanne C-M See Costa A
- Lalasang RI See Puytlaert JBCM
- Lallemant D See Le Bihan D
- Lallemant D See Musset D
- Lallemant D; Gooding CA; Wesley GE; et al: magnetic resonance imaging of aorta and pulmonary circulation. initial experience with ECG-gating, (ab), *Radiology* 1986; 158: 286
- Lallemant D; Wesley GE; Gooding CA; et al: cardiac-synchronous MRI intensity changes of the great vessels and pulmonary circulation. preliminary report, (ab), *Radiology* 1986; 158: 286
- Lallone R See Taylor A Jr
- Lally JF See Glickstein MF
- Lally JF See Ryan RW
- Lalmand B See Avni EF
- Lalmand B; Avni EF; Simon J; et al: transitional cell papillary carcinoma of the bladder in a child, *Pediatr Radiol* 1987; 17: 77
- Lam AH See Davies RP
- Lam AH; Lam VK: choledochal cyst with biliary atresia in an infant, *Australas Radiol* 1987; 31: 384
- Lam GK See Goodman GB
- Lam KN See Stone HB
- Lam K-S See Lee D-J
- Lam KS; Lam WC; O'Neill MJ; et al: electron arc therapy: beam data requirements and treatment planning, *Clin Radiol* 1987; 38: 379
- Lam KS; Partowmah M; Lam WC: on-line electronic portal imaging system for external beam radiotherapy, *Br J Radiol* 1986; 59: 1007
- Lam KSL See Kwong YL
- Lam KSL; Ho JHC; Lee AWM; et al: symptomatic hypothalamic-pituitary dysfunction in nasopharyngeal carcinoma patients following radiation therapy: a retrospective study, *Int J Radiat Oncol Biol Phys* 1987; 13: 1343
- Lam M See Roguin N
- Lam SF See Leung PC
- Lam SK See Hui WM
- Lam V See De Silva M
- Lam VK See Lam AH
- Lam WC See Lam KS
- Lam WC; Partowmah M; Lee DJ; et al: on-line measurement of field placement errors in external beam radiotherapy, *Br J Radiol* 1987; 60: 361
- LaManna MM See Yussen PS
- LaManna MM; Parker JA: ilioporal shunt during a venogram/lung scan, *Clin Nucl Med* 1986; 11: 875
- Lamarque JL; Almes C; Rouanet JP; et al: ideal imaging in MR: contrast-enhancing pharmaceuticals. evaluation of tempo carboxylic acid as nitrooxide diagnostic agent, *Eur J Radiol* 1986; 6: 48
- Lamarque JL; Rodiere MJ; Prat X; et al: breast pathology in MRI: first results, *Eur J Radiol* 1986; 6: 42
- LaMasters D See Chakares DW
- La Masters DL See Arnold AC
- Lamb GHR See Morewood DJW
- Lambert CR; Pepine CJ: hemodynamic effects of high versus low-osmolar contrast media for ventriculography in severe aortic stenosis, *Cardiovasc Intervent Radiol* 1988; 11: 10
- Lambert GD See Doughty D
- Lambert GD See Harnett AN
- Lambert GD See Kotre CJ
- Lambert GD; Lambert K: radiographic test object for the LDR Selectron remote afterloading system, *Br J Radiol* 1988; 61: 637
- Lambert HE See Blake PR
- Lambert HE See Wilson CB
- Lambert K See Lambert GD
- Lambert M See Puttemans N
- Lambert R See Begin R
- Lambert R See Bret PM
- Lambert RGW See Becker EJ
- Lambert RGW: bones and joints: 170 radiological exercises for students and practitioners, *Radiology* 1988; 166: 720
- Lambert RGW: fractional arthrography of the shoulder, *Radiology* 1988; 169: 608
- Lambert RGW: imaging modalities in spinal disorders, *Radiology* 1988; 167: 748
- Lambiase R; Sartoris DJ; Fellingham L; Andre M; Resnick D: vertebral mineral status: assessment with single- versus multi-section CT, *Radiology* 1987; 164: 231
- Lambiase RE; Cronan JJ; Dorfman GS; et al: percutaneous drainage of abscesses in patients with Crohn disease, *AJR* 1988; 150: 1043
- Lambrecht L; Robberecht E; Deschynkel K; et al: ultrasonic evaluation of gastric clearing in young infants, *Pediatr Radiol* 1988; 18: 314
- Lambrianides AL; Askew AR; Lefevre I: Thorotrast-associated mucoepidermoid carcinoma of the liver, *Br J Radiol* 1986; 59: 791
- Lameris JS See de Witte BR
- Lameris JS See Eggermont AM
- Lamérís JS; Stoker J; Dees J; et al: non-surgical palliative treatment of patients with malignant biliary obstruction—the place of endoscopic and percutaneous drainage, *Clin Radiol* 1987; 38: 603
- Lamki I See Murray JL
- Lamki L; Spence JD; Macdonald AC; et al: differential glomerular filtration rate in diagnosis of renovascular hypertension and follow-up of balloon angioplasty, *Clin Nucl Med* 1986; 11: 168
- Lamki LM See Babalan RJ
- Lamki LM See Holbert BL
- Lamki LM See Schwegel DK
- Lamki N See Athey PA
- Lamki N See Raval B
- Lamki N See Sax SL
- Lamki N See Scalfano FP Jr
- Lamki N; Raval B; St. Ville E: computed tomography of complicated cholecystitis, *CT* 1986; 10: 319
- Lammer J See Choy DSJ
- Lammer J See Palmaz JC
- Lammer J See Pilger E
- Lammer J See Steiner H
- Lammer J; Karmel F: percutaneous transluminal laser angioplasty with contact probes, *Radiology* 1988; 168: 733
- Lammer J; Neumayer K: biliary drainage endoprotheses: experience with 201 placements, *Radiology* 1986; 159: 625
- Lammer J; Pilger E; Neumayer K; Schreyer H: intraarterial fibrinolysis: long-term results, *Radiology* 1986; 161: 159
- Lammer J; Stoffler G; Petek WW; et al: in vitro long-term perfusion of different materials for biliary endoprotheses, *Invest Radiol* 1986; 21: 329
- Lamminen A; Jäskeläinen J; Rapola J; et al: high-frequency ultrasonography of skeletal muscle in children with neuromuscular disease, *J Ultrasound Med* 1988; 7: 505
- Lamon KA See Coleman BG
- Lamont AC; Cremin BJ: effect of temperature on ultrasonic images in infant cadavers, *Br J Radiol* 1986; 59: 271
- Lamont AC; Cremin BJ; Pelteret RM: radiological patterns of pulmonary tuberculosis in the paediatric age group, *Pediatr Radiol* 1986; 16: 2
- Lamont AC; Rode H: retrograde jejuno-duodenogastrointestinal intussusception, (ab), *Radiology* 1986; 158: 575
- Lamont JG See Richardson ML
- Lamore BJ See Miller DL
- Lamoureux G See Bison G
- Lampard R See Miller JDR
- Lampeter WA; Wandtke JC: computerized search of chest radiographs for nodules, *Invest Radiol* 1986; 21: 384
- Lamping DL See Stevenson GW
- Lampmann LE See Appelman PT
- Lams PM; Cocklin ML: spatial resolution requirements for digital chest radiographs: ROC study of observer performance in selected cases, *Radiology* 1986; 158: 11
- Lancaster KT: defects in the vertebral endplates, *Semin Roentgenol* 1988; 23: 89
- Land EJ See Moore JV
- Landa HM See Baker LL
- Landay M See Vasquez RE
- Landay MJ II See Stenoien R
- Lande I See Hernandez RJ
- Lande IM See Brick SH
- Lande IM See Hill MC
- Lande IM See Siviti CJ
- Lande IM; Glazer GM; Sarnaik S; Aisen AM; Rucknagel D; Martel W: sickle-cell nephropathy: MR imaging, *Radiology* 1986; 158: 379
- Lande IM; Hamilton EF: antenatal sonographic visualization of cloacal dysgenesis, *J Ultrasound Med* 1986; 5: 275
- Lande IM; Hill MC; Cosco FE; Kator NN: adnexal and cul-de-sac abnormalities: transvaginal sonography, *Radiology* 1988; 166: 325
- Lander PH See Dorne HL
- Lander PH See Zlatkin MB
- Lander PH; Azouz EM; Marton D: subperiosteal osteoid osteoma of the talus, *Clin Radiol* 1986; 37: 491
- Lander PH; Hadjipavlou AG: Paget disease with contraction of long bones, *Radiology* 1986; 159: 471
- Landerasper J; Gundersen SB; Gundersen AL; et al: needle localization and biopsy of nonpalpable lesions of the breast, (ab), *Radiology* 1987; 165: 588
- Landers DF See Hurlbert BJ
- Landini L; Sarnelli R; Picano E; et al: evaluation of frequency dependence of backscatter coefficient in normal and atherosclerotic aortic walls, *Ultrasound Med Biol* 1986; 12: 397
- Landini L; Sarnelli R; Salvadori M; et al: orientation and frequency dependence of backscatter coefficient in normal ad pathological breast tissues, *Ultrasound Med Biol* 1987; 13: 77
- Landman J See Katz R
- Landman J See Samuel N
- Landmeier B See Cheung N-KV
- Landmeier B See Miraldi FD
- Landon G See Dion FM
- Landreneau MD See Weissman J
- Landry AJ See Bauman JM
- Landuyt W See Scalliet F
- Landuyt W See van der Schueren E
- Landuyt W See Vanuytsel L

- Landuyt W; Keizer J; Chin A; et al: evaluation of mouse lip mucosa reactions after combinations of cis-diammine-1,1-cyclobutanedicarboxylate platinum (II) (CBDCA) and irradiation: single and fractionated treatments. *Int J Radiat Oncol Biol Phys* 1987; 13: 1367
- Landuyt W; Van der Kogel AJ; De Roo M; et al: unilateral kidney irradiation and late retreatment with cis-dichlorodiammineplatinum (II): functional measurements with ^{99m}technetium-dimercaptosuccinic acid. *Int J Radiat Oncol Biol Phys* 1988; 14: 93
- Landy HJ See Houdek PV
- Lane AT See Wood BP
- Lane EJ Jr See Panicek DM
- Lane HC See Smith PD
- Lane J See Demas BE
- Lane JJ; Sacks D; Winn RS; et al: false-positive hepatobiliary scan in a patient with cystic fibrosis. *Clin Nucl Med* 1988; 13: 331
- Lane RG See Kelsey CA
- Lane TJ See Kaplan PA
- Lang DB: cardiomyopathies. *Radiology* 1988; 166: 376
- Lang DB: editor's page: guidelines for authors: how to check and mark galleys. *Radiology* 1988; 168: 62
- Lang E See Dunnick NR
- Lang EK: algorithmic approach to the diagnosis and staging of renal neoplasms. *Radiol Clin North Am* 1986; 24: 683
- Lang EK: percutaneous nephrostolithotomy and lithotripsy: multi-institutional survey of complications. *Radiology* 1987; 162: 25
- Lang EK: percutaneous ureterocystostomy and ureteronecystostomy. *AJR* 1988; 150: 1065
- Lang EK: renal trauma: radiological studies: reply. *Radiology* 1986; 158: 564
- Lang EK: transluminal dilatation of ureteropelvic junction strictures, ureteral strictures, and strictures at ureteronecystostomy sites. *Radiol Clin North Am* 1986; 24: 601
- Lang EK; Glorioso LW III: antegrade transluminal dilatation of benign ureteral strictures: long-term results. *AJR* 1988; 150: 131
- Lang EK; Glorioso LW III: management of urinomas by percutaneous drainage procedures. *Radiol Clin North Am* 1986; 24: 551
- Lang EK; Glorioso LW III: multiple percutaneous access routes to multiple calculi, calculi in caliceal diverticula, and staghorn calculi. *Radiology* 1986; 158: 211
- Lang EK; Springer RM; Glorioso LW III; Cammarata CA: abdominal abscess drainage under radiologic guidance: causes of failure. *Radiology* 1986; 159: 329
- Lang EV See Bookstein JJ
- Lang NP See Williamson MR
- Lang P; Jergesen HE; Moseley ME; Block JE; Chafetz NI; Genant HK: avascular necrosis of the femoral head: high-field-strength MR imaging with histologic correlation. *Radiology* 1988; 169: 517
- Lang P; Steiger P; Genant HK; et al: three-dimensional CT and MR imaging in congenital dislocation of the hip: clinical and technical considerations. *JCAT* 1988; 12: 459
- Lang W See Freyschmidt JJ
- Langdon T See Foley WD
- Lang P See Groth S
- Lang PE; Radtke W; Fellows KE; et al: comparison of digital with conventional ventriculography for quantitative right ventricular studies. *Cardiovasc Intervent Radiol* 1988; 11: 5
- Lang PH See Erturk E
- Lang PH See Mercado S
- Lang PH See Reddy PK
- Lang PH; Moon TD; Narayan P; et al: radiation therapy as adjuvant treatment after radical prostatectomy: patient tolerance and preliminary results. (ab). *Radiology* 1987; 162: 292
- Langenbruch K See Wackenheim A
- Langenskiöld A; Videman T; Nevalainen T: fate of fat transplants in operations for partial closure of the growth plate: clinical examples and an experimental study. (ab). *Radiology* 1986; 160: 858
- Langer A See Hedrick WR
- Langer BG See Bárány M
- Langer BG See Mafee MF
- Langer BG See Wilbur AC
- Langer BG; Mafee MF; Pollack S; et al: MRI of the normal orbit and optic pathway. *Radiol Clin North Am* 1987; 25: 429
- Langer J See Levine MS
- Langer M; Leong J: optimization of beam weights under dose-volume restrictions. *Int J Radiat Oncol Biol Phys* 1987; 13: 1255
- Langer R: ultrasonic investigation of the hip in newborns in the diagnosis of congenital hip dislocation: classification and results of a screening program. *Skeletal Radiol* 1987; 16: 275
- Langer R; Kaufmann HJ: case report 363. *Skeletal Radiol* 1986; 15: 377
- Langer R; Kaufmann HJ: primary (isolated) bilateral pulmonary hypoplasia: a comparative study of radiologic findings and autopsy results. *Pediatr Radiol* 1986; 16: 175
- Langevin JM See Kelly JK
- Langhoff O See Andersen JL
- Langlands AO See Boyages J
- Langlands AO See Doherty MA
- Langlands AO See Hamilton CS
- Langlois A; Sniderman KW: internal mammary artery-to-innominate vein arteriovenous fistula: treatment by transcatheter embolization. *J Canad Assoc Radiol* 1987; 38: 131
- Langlois D See Mazeron J-J
- Langlois D; Hoffstetter S; Malissard L; et al: salvage irradiation of oropharynx and mobile tongue about 192 iridium brachytherapy in Centre Alexis Vautrin. *Int J Radiat Oncol Biol Phys* 1988; 14: 849
- Langlois SLP; Heath R; Lian-Lloyd A: radiographic changes associated with cigarette smoking. *Australas Radiol* 1987; 31: 371
- Langlois SLP; Lipert K; Hayter W: ultrasound examination of the normal pyloric sphincter in neonates. *Australas Radiol* 1987; 31: 53
- Langlois Y See Kohler TR
- Langman CB See Vogelzang RL
- Langstrom B; Antoni G; Gullberg P; et al: synthesis of L- and D-methyl-¹¹C-methionine. *J Nucl Med* 1987; 28: 1037
- Langton JA; Magee P; Sedgwick J; et al: anaphylaxis following "hexabrix" during routine coronary angiography. *Eur J Radiol* 1988; 8: 60
- Laniado M See Niendorf HP
- Laniado M See Schorner W
- Laniado M; Kornmesser W; Hamm B; et al: MR imaging of the gastrointestinal tract: value of Gd-DTPA. *AJR* 1988; 150: 817
- Lanir A See Lee RGL
- Lanir A; Aghai E; Simon JS; et al: MR imaging in myelofibrosis. *JCAT* 1986; 10: 634
- Lanir A; Hadar H; Cohen I; Tal Y; Benmair J; Schreiber R; Clouse ME: Gaucher disease: assessment with MR imaging. *Radiology* 1986; 161: 239
- Langman TH; Martin NA; Vinters HV: pathology of encephalic arteriovenous malformations treated by prior embolotherapy. *Neuroradiol* 1988; 30: 1
- Lannin DK; Silverman JF; Pories WJ; et al: cost-effectiveness of fine needle biopsy of the breast. (ab). *Radiology* 1986; 161: 574
- Lansman AK See Swartz JD
- Lantos G See Baker SR
- Lantos G See Belman AL
- Lantos T; Vorne M; Mokka R; et al: ^{99m}Tc-MDP and ^{99m}Tc-DPD in pathologic bone lesions: a visual and quantitative comparison. *Acta Radiol* 1987; 28: 631
- Lantz BMT See Dalessandri KM
- Lantz BMT See Walter JP
- Lantz EJ See Hodgman CG
- Lanza LA; Miser JS; Pass HI; et al: role of resection in the treatment of pulmonary metastases from Ewing's sarcoma. (ab). *Radiology* 1988; 168: 292
- Lanza MV See Marks MP
- Lanzier WL: clinical aspects of shoulder injuries. *Radiol Clin North Am* 1988; 26: 157
- Lanzieri CF See Cohen BA
- Lanzieri CF See Hyman AD
- Lanzieri CF See Sacher M
- Lanzieri CF See Som PM
- Lanzieri CF; Larkins M; Mancall A; et al: cranial postoperative site: MR imaging appearance. *AJNR* 1988; 9: 27
- Lanzieri CF; Sacher M; Duchesneau PM; et al: preoperative venogram in planning extended craniectomies. *Neuroradiol* 1987; 29: 360
- Lanzieri CF; Sacher M; Solodnik P; et al: differentiation of large suprasellar masses by evaluation of the superior margin. *CT* 1986; 10: 215
- Lanzieri CF; Sacher M; Solodnik P; et al: unusual patterns of solitary sacral plasmacytoma. *AJNR* 1987; 8: 566
- Lanzieri CF; Som PM; Sacher M; Solodnik P; Moore F: postcraniectomy site: CT appearance. *Radiology* 1986; 159: 165
- Lao A; Bach D: UGI series in renal transplant candidates. *J Canad Assoc Radiol* 1988; 39: 195
- Laor E; Schiffman Z; Reid RE; et al: on percutaneous drainage of retroperitoneal collections: when is primary surgical drainage preferable? (ab). *Radiology* 1986; 158: 282
- Laouliti M See Reizine D
- Laperrière J See Ouellat J-Y
- Lapin SA See Barakos JA
- Lapin SA See Colletti PM
- Lapointe JS See Dalley RW
- Lapointe S See Nugent RA
- Lapointe S See Wasserman NF
- Lapointe TA See Weinberg MJ
- Lappas J; Conces DJ Jr
- Lappas JC See Kopecky KK
- Lappas JC See Magline DDT
- Lappas JC See Rex DK
- Lappas JC; Magline DDT; Kopecky KK; Cockerill EM; Lehman GA: diverticular disease: imaging with post-double-contrast sigmoid flush. *Radiology* 1988; 168: 35
- Laptook AR See Corbett RJT
- Laramore G See Griffin TW
- Laramore GE; Diener-West M; Griffin TW; et al: randomized neutron dose searching study for malignant gliomas of the brain: results of an RTOG study. *Int J Radiat Oncol Biol Phys* 1988; 14: 1093
- Laravuso R See Strother CM
- Laredo J-D; Bard M: thoracic spine: percutaneous trephine biopsy. *Radiology* 1986; 160: 485
- Laredo J-D; Bard M; Chretien J; et al: lumbar posterior marginal intra-osseous cartilaginous node. *Skeletal Radiol* 1986; 15: 201
- Laredo J-D; Reizine D; Bard M; Merland J-J: vertebral hemangiomas: radiologic evaluation. *Radiology* 1986; 161: 183
- Largiadier I See Zollhofer CL
- Larkin BT; Berquist TH; Utz DC: evaluation of the prostate by magnetic resonance imaging. *Magn Res Imag* 1986; 4: 53
- Larkins M See Lanzieri CF
- Larmignat P See Sachs RN
- Larimo A See Johansen TEB
- Laroché J-P See Dauzat MM
- Laros CD; Van den Bosch JMM; Westermann CJ; et al: resection of more than 10 lung segments: a 30-year survey of 30 bronchiectatic patients. (ab). *Radiology* 1988; 169: 881
- LaRosa JL See Rose BS
- LaRossa D See Epstein DM
- Larrieu E See Saint Martin GA
- Larsen C See Rasmussen F
- Larsen CF See Lindequist S
- Larsen CR See Archibald GR
- Larsen CR See Luedke M
- Larsen JL; Smievoll AI: gas in a cervical vertebral body: a case report with CT confirmation. *Eur J Radiol* 1988; 8: 98
- Larsen JW See Sivitz CJ
- Larsen JW Jr See Hill MC
- Larsen R See Coia L
- Larsen R See Solin LJ
- Larsen RR See Chu JCH
- Larsen TA; Dunn HG; Jan JE; et al: dystonia and calcification of the basal ganglia. (ab). *Radiology* 1986; 158: 860
- Larsen BJ; Zindrick M; Schwartz C; et al: postoperative dislocation of a total hip prosthesis due to a surgical drain. *AJR* 1987; 149: 971
- Larson BW See Castaneda F
- Larson D; Weinstein M; Goldberg I; et al: edema of the arm as a function of the extent of axillary surgery in patients with stage I-II carcinoma of the breast treated with primary radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1575
- Larson DC; Nguyen DL; Rafferty RG; et al: iliopsoas abscess in an immunocompromised patient. *Clin Nucl Med* 1988; 13: 682
- Larson EB See Kent DL
- Larson EB; Reifler BV; Sumi SM; et al: diagnostic tests in the evaluation of dementia: prospective study of 200 elderly outpatients. (ab). *Radiology* 1987; 163: 295
- Larson PA See Foley WD
- Larson PA; Lipchik EO; Adams MB: development and regression of visceral artery aneurysms following liver transplantation: case report. *Cardiovasc Intervent Radiol* 1988; 11: 75
- Larson RK See El-Khoury GY
- Larson SL See Larson TC III
- Larson SM See Carrasquillo JA
- Larson SM See Woolfenden JM
- Larson SM: lymphoma, melanoma, colon cancer: diagnosis and treatment with radiolabeled monoclonal antibodies. the 1986 Eugene P. Pendergrass New Horizons Lecture. *Radiology* 1987; 165: 297
- Larson T See Colombo N
- Larson T See duCret RP
- Larson TC III; Larson SL; Harle TS: computer-assisted scheduling of radiology resident call. *Invest Radiol* 1986; 21: 424
- Larson TC III; Reese DF; Baker HL Jr; McDonald TJ: glomus tympanicum chemodectomas: radiographic and clinical characteristics. *Radiology* 1987; 163: 801
- Larson TC III; Shuman LS; Libshitz HI; et al: complications of colonic intubation. (ab). *Radiology* 1986; 158: 567

- Larssen TB; Gøthlin JH; Jensen D; et al: ultrasonically and fluoroscopically guided therapeutic percutaneous catheter drainage of the gallbladder. *Gastrointest Radiol* 1988; 13: 37
- Larssen EM See Gyorffy-Wagner Z
- Larssen E-M See Holtas S
- Larssen EM See Pettersson H
- Larssen E-M; Brandt L; Holtas S: persisting intraventricular fat-fluid levels following surgery on a ruptured dermoid cyst of the posterior fossa. *Acta Radiol* 1987; 28: 489
- Larssen E-M; Cronqvist S; Sundberg G; et al: postoperative CT findings in acoustic neuromas operated upon by a transabyrinthine approach. *Neuroradiol* 1986; 28: 199
- Larssen E-M; Holtas S: false diagnosis of acoustic neuroma due to subdural injection during gas CT cisternogram. *JCAT* 1986; 10: 1025
- Larssen E-M; Holtas S; Cronqvist S: emergency magnetic resonance examination of patients with spinal cord symptoms. *Acta Radiol* 1988; 29: 69
- Larssen HBW; Frederiksen J; Kjaer L; et al: *in vivo* determination of T₁ and T₂ in the brain of patients with severe but stable multiple sclerosis. *Magn Res Med* 1988; 7: 43
- Larssen L-G See Damber LA
- Larssen S See Dernevik L
- Larssen SG See Lufkin RB
- Larssen SG; Benson L; Westermarck P: computed tomography of the tongue in primary amyloidosis. *JCAT* 1986; 10: 836
- Larssen SG; Lufkin RB: anomalies of digastric muscles: CT and MR demonstration. *JCAT* 1987; 11: 422
- Larssen SG; Lufkin RB; Hoover LA: computed tomography of the submandibular salivary glands. *Acta Radiol* 1987; 28: 693
- Laschinger JC See Eisen HJ
- Laschinger JC See Vannier MW
- Lasher JC See Starling MR
- Lasjaunias P See Manelfe C
- Lasjaunias P See Willinsky R
- Lasjaunias P; Terbrugge KG; Chiu MC: coaxial balloon-catheter device for treatment of neonates and infants. *Radiology* 1986; 159: 269
- Lasjaunias P; Terbrugge KG; Ibor LL; et al: role of dural anomalies in vein of Galen aneurysms: report of six cases and review of the literature. *AJNR* 1987; 8: 185
- Lasjaunias P; Vallee B; Person H; et al: lateral spinal artery of the upper cervical spinal cord: anatomy, normal variations, and angiographic aspects. *(ab)*. *Radiology* 1986; 160: 861
- Lasjaunias PL See Burrows PE
- Lassen MN: dedicated CT technique for scanning neonates. *Radiology* 1986; 161: 363
- Lasser EC See Forrest JW
- Lasser EC See Kattberg RW
- Lasser EC: coherent biochemical basis for increased reactivity to contrast material in allergic patients: novel concept. *AJR* 1987; 149: 1281
- Lasser EC: pretreatment with corticosteroids to prevent reactions to IV contrast material: overview and implications. *AJR* 1988; 150: 257
- Lasser EC; Berry CC; Talner LB; et al: pretreatment with corticosteroids to alleviate reactions to intravenous contrast material. *(ab)*. *Radiology* 1988; 167: 592
- Lassvik C See Zbornikova V
- Laster DW See Curnes JT
- Laster DW See O'Tuama LA
- Laster DW See Roach ES
- Lazlo FA See Kocis J
- Latak JT See Graham MD
- Latak JT See Whitaker JB
- Latak JT; Abou-Khalil BW; Siegel GJ; Sackellares JC; Gabrielsen TO; Aisen AM: patients with partial seizures: evaluation by MR, CT, and PET imaging. *Radiology* 1986; 159: 159
- Latak JT; Hutchinson RJ; Heyn RM: imaging of rhabdomyosarcomas of the head and neck. *AJNR* 1987; 8: 353
- Latchaw RE See Brunberg JA
- Latchaw RE See Burk DL Jr
- Latchaw RE See Erba SM
- Latchaw RE See Horton JA
- Latchaw RE See Rothfus WE
- Latchaw RE; Yonas H; Penhney SL; Gur D: adverse reactions to xenon-enhanced CT cerebral blood flow determination. *Radiology* 1987; 163: 251
- Latterre C See Keyeux A
- Lattanzi F; Picano E; Mazzarisi A; et al: *in vivo* radiofrequency ultrasound analysis of normal human heart structures. *JCU* 1987; 15: 371
- Lattimer J See Premkumar A
- Lattin P See Herskovic A
- Lattuada A See De Palo G
- Lau C See Steingart A
- Lau C See Worthen NJ
- Lau KC See Lo RNS
- Lau LSW: adrenal myelolipoma: impact of modern investigations on the diagnosis and patient management. *Australas Radiol* 1987; 31: 58
- Lau LSW; Littlejohn GO: costotransverse joint injection: description of technique. *Australas Radiol* 1987; 31: 47
- Lau LSW; Petty PG: lumbar neurofibromas: CT appearance and differential diagnosis. *Australas Radiol* 1987; 31: 83
- Lau LSW; Simpson L; Streeton J: radiology of bronchial atresia: radiographic, CT and bronchographic correlation. *Australas Radiol* 1987; 31: 29
- Lau P See Vade A
- Lau SPC; Chan FL; Yu YL; et al: cortical blindness in toxemia of pregnancy: findings on computed tomography. *Br J Radiol* 1987; 60: 347
- Laub G See Lenz GW
- Laub GA; Kaiser WA: MR angiography with gradient motion refocusing. *JCAT* 1988; 12: 377
- Laube BL; Links JM; Wagner HN Jr; et al: simplified assessment of fine aerosol distribution in human airways. *J Nucl Med* 1988; 29: 1057
- Lauella M See Kwan ESK
- Lauderman JA See Athey PA
- Laudone VP See Sigman M
- Laufer I See Fox ER
- Laufer I See Kikuchi Y
- Laufer I See Levine MS
- Laufer I See Lev-Toaff AS
- Laufer I See O'Riordan D
- Laufer I See Rubenstein SE
- Laufer I See Sirota L
- Laufer RB See Johnston DL
- Laufer RB; Brady TJ; Brown RD III; et al: 1/T₁ NMRD profiles of solutions of Mn²⁺ and Gd³⁺ protein-chelate conjugates. *Magn Res Med* 1986; 3: 541
- Laufer RB; Vincent AC; Padmanabhan S; et al: hepatobiliary MR contrast agents: S-substituted iron-EHPG derivatives. *Magn Res Med* 1987; 4: 582
- Laughlin JS; Mohan R; Kutcher GJ: choice of optimum megavoltage for accelerators for photon beam treatment. *Int J Radiat Oncol Biol Phys* 1986; 12: 1551
- Lauk S; Trott K-R: radiation induced heart disease in hypertensive rats. *Int J Radiat Oncol Biol Phys* 1988; 14: 109
- Laukkanen E; Klonoff H; Allan B; et al: role of prophylactic brain irradiation in limited stage small cell lung cancer: clinical, neuropsychologic, and CT sequelae. *Int J Radiat Oncol Biol Phys* 1988; 14: 1109
- Laukkanen E; Olivetto I; Jackson S: management of seminoma with bulky abdominal disease. *Int J Radiat Oncol Biol Phys* 1988; 14: 227
- Laungani GB See Glanz S
- Laurent A See Garcia-Cervigon E
- Laurent A; Guimaraens L; Rufenacht D; et al: cinq cas d'exophtalmie unilaterale en relation avec des anomalies vasculaires de la region du sinus lateral (five cases of unilateral exophthalmos associated with abnormalities in the lateral sinus area). *J Neuroradiol* 1986; 13: 125
- Laurent A; Guimaraens L; Rufenacht D; et al: un cas d'exophtalmie par MAV de la region de l'ampoule de Galien a drainage veineux ophthalmique: traitement par voie endovasculaire (case of exophthalmos due to an AVM in Galen's vein area with ophthalmic venous drainage: treatment by the endovascular route). *J Neuroradiol* 1986; 13: 181
- Laurent F See Boissier-Lacroix M
- Laurent F; Drouillard J; Dorcier F; et al: CT appearance of coronary aneurysm in Kawasaki disease. *JCAT* 1987; 11: 151
- Laurin S See Ivancev K
- Laurin S See Malmgren N
- Laurin S; Lundström N-R: venous thrombosis after cardiac catheterization in infants. *Acta Radiol* 1987; 28: 241
- Laurin S; Williams JL; Fitzsimmons JR: magnetic resonance imaging of the pediatric thorax: initial experience. *Eur J Radiol* 1986; 6: 36
- Laurini RN See Baarsma R
- Laursen N See Jensen DB
- Laursen NO See Rossen B
- Lautatzis M See Sharma GP
- Lauteala L; Korman M; Violante MR: response of white blood cells to iodipamide ethyl ester particles. *Invest Radiol* 1986; 21: 562
- Lauteala L; Korman M; Violante MR: uptake and dissolution of particulate iodipamide ethyl ester in the spleen: a morphologic study. *Invest Radiol* 1987; 22: 829
- Lauterbur PC See Dias MHM
- Lautin EM; Haramati N; Frager D; et al: CT diagnosis of circumcaval ureter. *AJR* 1988; 150: 591
- Lautin EM; Scheinbaum KR: hyperbaric therapy for the removal of an obstructing intestinal tube balloon. *Gastrointest Radiol* 1987; 12: 243
- Lauweryns JM See Marchal GJF
- Lavain J See Tress BM
- Laval-Jeantet AM; Roger B; Bouysse S; Bergot C; Mazera RB: influence of vertebral fat content on quantitative CT density. *Radiology* 1986; 159: 463
- Laval-Jeantet M See Frija J
- Laval-Jeantet M See Le Bihan D
- Lavelle J See Cosgriff PS
- Lavender JP See Al-Suhaili AR
- Lavender JP See Roddie ME
- Lavergne T See Jehenson P
- Lavery JP See Koontz WL
- Lavery JP; Koontz WL; Layman L; et al: sonographic evaluation of the adnexa during early pregnancy. *(ab)*. *Radiology* 1987; 163: 290
- Lavi S See Koren G
- Lavielle J See Debaene A
- Laville M See Maillet PJ
- Lavin JP See Bruno AN
- Lavine SJ; Shreiner DP; Krishnaswami V; et al: simplified count-based estimates of left ventricular volume. *Clin Nucl Med* 1986; 11: 168
- Law B See Willson SA
- Law J See Grant AM
- Law J See Kirkpatrick AE
- Law J: cancers induced and cancers detected in a mammography screening programme. *Br J Radiol* 1987; 60: 231
- Law J: scattered radiation reaching doors and windows of diagnostic x-ray rooms. *Br J Radiol* 1987; 60: 179
- Law RD See Rosch J
- Law YF See Morin JF
- Lawdahl RB See Cousin AJ
- Lawdahl RB; Keller FS: middle mesenteric artery. *Radiology* 1987; 165: 371
- Lawdahl RB; Moss CN; Van Dyke JA: inferior lumbar (Petit's) hernia. *AJR* 1986; 147: 744
- Lawinski CP See Horner K
- Lawler W See Griffin JF
- Lawless M; Francis IC; Kappagoda MB; et al: computerized tomography of keratoconus. *Australas Radiol* 1986; 30: 10
- Lawrence A See Grant R
- Lawrence C See Baker SR
- Lawrence DD Jr; Charnsangavej C; Wright KC; Gianturco C; Wallace S: percutaneous endovascular graft: experimental evaluation. *Radiology* 1987; 163: 357
- Lawrence LP See Fagelman D
- Lawrence LP See Palestro C
- Lawrence PF See Raabe R
- Lawrence TS; Urba WJ; Steinberg SM; et al: retrospective analysis of stage I and II indolent lymphomas at the National Cancer Institute. *Int J Radiat Oncol Biol Phys* 1988; 14: 417
- Lawrence WD See Kissner DG
- Lawry TJ See Karcmar GS
- Lawry TJ See Matson GB
- Laws ER Jr See Jack CR Jr
- Laws ER Jr See Ormson MJ
- Laws ER Jr See Petersen RC
- Laws ER Jr See Smalley SR
- Lawson AP; Adler GF: radiotherapy in the treatment of ovarian dysgerminomas. *Int J Radiat Oncol Biol Phys* 1988; 14: 431
- Lawson JB See Leaney BJ
- Lawson JP See Taylor CR
- Lawson JP; Liu Y-m: pinemoth caterpillar disease. *Skeletal Radiol* 1986; 15: 422
- Lawson JP; McGuire J: spectrum of skeletal changes associated with long-term administration of 13-cis-retinoic acid. *Skeletal Radiol* 1987; 16: 91
- Lawson L See Fleisher AG
- Lawson L See Müller NL
- Lawson RS See Bevis CRA
- Lawson RS See Wujanto R
- Lawson TL See Alpern MB
- Lawson TL See Cates JD
- Lawson TL See Dodds WJ
- Lawson TL See Foley WD
- Lawson TL See Goodman LR
- Lawson TL See Kneeland JB
- Lawson TL See Merritt CRB
- Lawson TL See Middleton WD
- Lawson W See Konowitz FM
- Lawson W See Som PM
- Lawton FG See Meanwell CA
- Lax E See Bloom RA
- Lax E See Milgrom C
- Laxer RM See Cameron BJ
- Laxer RM; Cameron BJ; Chaisson D; et al: camptodactyly-arthropathy-pericarditis syndrome: case report and literature review. *(ab)*. *Radiology* 1986; 161: 575

- Layer K See Knapp WH
 Layman L See Lavery JP
 Layton B See Jenny AB
 Lazarus CR See Clarke SEM
 Lazo A See Wilner HI
 Lazo JS See Kennedy KA
 Lazor J See Bartle WR
 Le TV See Balseiro J
 Leader M See Stockdale AD
 Leadman M; Seigel S; Hollenberg R; et al:
 ultrasound diagnosis of neonatal spinal epidural
 hemorrhage, *JCU* 1988; 16: 440
 Leal J See Cohen JR
 Leaney BJ; Martin JJ; Lawson JB; et al: primary
 brain lymphoma, *Australas Radiol* 1988; 32: 38
 Lear JL: effect of exercise position during stress
 testing on cardiac and pulmonary thallium
 kinetics and accuracy in evaluating coronary
 artery disease, *J Nucl Med* 1986; 27: 788
 Lear JL: quantitative local cerebral blood flow
 measurements with technetium-99m HM-PAO:
 evaluation using multiple radionuclide digital
 quantitative autoradiography, *J Nucl Med* 1988;
 29: 1387
 Lear JL; Navarro D: autoradiographic comparison of
 thallium-201 diethyldithiocarbamate,
 isopropylidodiamphetamine and iodoantipyrine
 as cerebral blood flow tracers, *J Nucl Med* 1987;
 28: 481
 Lear JL; Plotnick J; Rumley S: digital
 autoradiography: design, development, and
 evaluation of a solid-state image analyzer, *J
 Nucl Med* 1987; 28: 218
 Leatherman LL See Scheffer SM
 Leavitt DD See McNeely LK
 Leavitt M See Edelman RR
 Leavitt RY; Fauci AS: polyangitis overlap
 syndrome: classification and prospective clinical
 experience, (ab), *Radiology* 1987; 162: 588
 Le Bas JF; Benabid AL; Camuset JP; et al: MRI in the
 preoperative evaluation of intracerebral
 tumours: comparison with CT, *J Neurosurg*
 1987; 14: 203
 LeBel E See Schmitt D
 Le Bel J; Carrier L; Chartrand R; et al: hepatic
 hemangioma: unexpected bone scan finding,
Clin Nucl Med 1988; 13: 132
 Lebensart PD See Ravinovic R
 Le Bihan D: intravoxel incoherent motion imaging
 using steady-state free precession, *Magn Res
 Med* 1988; 7: 346
 Le Bihan D; Breton E; Aubin ML; et al: study of
 cerebrospinal fluid dynamics by MRI of
 intravoxel incoherent motions (IVIM), *J
 Neurosurg* 1987; 14: 388
 Le Bihan D; Breton E; Lallemand D; et al:
 contribution of intravoxel incoherent motion
 (IVIM) imaging to neuroradiology, *J
 Neurosurg* 1987; 14: 295
 Le Bihan D; Breton E; Lallemand D; Aubin M-L;
 Vignaud J; Laval-Jeantet M: separation of
 diffusion and perfusion in intravoxel
 incoherent motion MR imaging, *Radiology*
 1988; 168: 497
 Le Bihan D; Breton E; Lallemand D; Grenier P;
 Cabanis E; Laval-Jeantet M: MR imaging of
 intravoxel incoherent motions: application to
 diffusion and perfusion in neurologic disorders,
Radiology 1986; 161: 401
 LeBlanc AD; Evans HJ; Marsh C; et al: precision of
 dual photon absorptiometry measurements, *J
 Nucl Med* 1986; 27: 1362
 LeBlanc AD; Evans HJ; Schonfeld E; et al: changes
 in nuclear magnetic resonance (T_2) relaxation of
 limb tissue with bed rest, *Magn Res Med* 1987;
 4: 487
 LeBlanc AD; Schonfeld E; Schneider VS; Evans HJ;
 Taber KH: spine: changes in T2 relaxation times
 from disuse, *Radiology* 1988; 169: 105
 LeBlanc JG; Culham JAG; Chan K-W; et al:
 treatment of grafts and major vessel thrombosis
 with low-dose streptokinase in children, (ab),
Radiology 1988; 161: 864
 Leblanc R See Cosgrove GR
 Leblond R See Grignon A
 LeBolt S See Henry DA
 LeBolt SA; Tisnado J; Cho S-R: treatment of
 peripheral arterial obstruction with
 streptokinase: results in arterial vs graft
 occlusions, *AJR* 1988; 151: 589
 Leborgne F See Leborgne JH
 Leborgne F; Leborgne JH; Barlocchi LA; et al:
 elective neck irradiation in the treatment of
 cancer of the oral tongue, *Int J Radiat Oncol Biol
 Phys* 1987; 13: 1149
 Leborgne JH See Leborgne F
 Leborgne JH; Leborgne F; Barlocchi LA; et al: place
 of brachytherapy in the treatment of carcinoma
 of the tongue with lingual extension, *Int J Radiat
 Oncol Biol Phys* 1986; 12: 1787
 Le Bourgeois JP; Haddad E; Marinello G; et al:
 indications for total cutaneous electron beam
 radiation therapy of mycosis fungoides, *Int J
 Radiat Oncol Biol Phys* 1987; 13: 189
 Lebovic J See Schwimer SR
 Lebovics E; Schaffner F; Kilow FW; et al:
 autoimmune chronic active hepatitis in post
 menopausal women, (ab), *Radiology* 1986; 158:
 566
 Lebowitz AS See Spies JB
 Lebowitz RL See Brown T
 Lebowitz RL See McGrath MA
 Lebowitz RL See Reda EF
 Lebowitz RL See Riedy MJ
 Lebowitz RL See Van den Abbeele AD
 Lebowitz RL See Vargas B
 Lebowitz RL: detection of vesicoureteral reflux in
 the child, *Invest Radiol* 1986; 21: 519
 Lebowitz RL; Mandell J: urinary tract infection in
 children: putting radiology in its place,
Radiology 1987; 165: 1
 Lebowitz RL; Vargas B: stones in the urinary
 bladder in children and young adults, *AJR* 1987;
 148: 491
 Lebrucher J-F See Venot A
 Lechan RM See Jackson IMD
 Lechner G See Kumpun W
 Lechner G; Jantsch H; Waneck R; et al: relationship
 between the common femoral artery, the
 inguinal crease, and the inguinal ligament: a
 guide to accurate angiographic puncture,
Cardiovasc Intervent Radiol 1988; 11: 165
 Lecklitner ML: pitfalls of gastrointestinal bleeding
 studies with ^{99m}Tc sulfur-colloid, *Semin Nucl
 Med* 1986; 16: 155
 Lecklitner ML; Austin AR; Benedetto AR; et al:
 positive predictive value of cholecistigraphy in
 common bile duct obstruction, *J Nucl Med* 1986;
 27: 1403
 Lecklitner ML; Beasley JJ; Finn MC: bone imaging
 in the assessment of en bloc osteoscutaneous
 autotransplantation, *Clin Nucl Med* 1988; 13:
 186
 Lecklitner ML; Douglas KP: abnormalities of the
 hands during the arterial phase of skeletal
 scintigraphy, *Semin Nucl Med* 1987; 17: 360
 Lecklitner ML; Douglas KP: abnormalities of the
 hands during the blood-pool phase of skeletal
 scintigraphy, *Semin Nucl Med* 1987; 17: 363
 Lecklitner ML; Douglas KP: bilateral abnormalities
 of the hands during the osseous phase of
 skeletal scintigraphy, *Semin Nucl Med* 1987; 17:
 368
 Lecklitner ML; Douglas KP: increased extremity
 uptake on three-phase bone scans caused by
 peripherally induced ischemia prior to
 injection, *J Nucl Med* 1987; 28: 108
 Lecklitner ML; Douglas KP: unilateral
 abnormalities of the hands during the osseous
 phase of skeletal scintigraphy, *Semin Nucl Med*
 1987; 17: 366
 Lecklitner ML; Hughes JJ: pitfalls of
 gastrointestinal bleeding studies with ^{99m}Tc -
 labeled RBCs, *Semin Nucl Med* 1986; 16: 151
 Lecky JW See Yamato M
 Leclerc F See Lemaître L
 Leclerc JR; Wolfson C; Arzuamanian A; et al:
 technetium-99m red blood cell venography in
 patients with clinically suspected deep vein
 thrombosis: a prospective study, *J Nucl Med*
 1988; 29: 1498
 LeClerc Y See Diehl JT
 Leclerc Y; Verreault J; Bisson G: gallium-67 citrate
 accumulation in a mycotic popliteal artery
 aneurysm, *Clin Nucl Med* 1988; 13: 571
 Leclerc J See Girinski T
 Le Cloirec A See Levesque M
 Lecomte R See Schmitt D
 Lederman HM; Kaufman RA: congenital absence
 and hypoplasia of pedicles in the thoracic spine,
Skeletal Radiol 1986; 15: 219
 Ledesma-Medina J; Newman B; Oh KS:
 disturbances of bone growth and development,
Radiol Clin North Am 1988; 26: 441
 Ledingham J See Thompson PJ
 Ledor K; Ben-Avi HA; Ben-Avi DD;
 Abramowitz JG: lower-lobe-seeking pulmonary
 artery catheter, *Radiology* 1987; 165: 286
 Leduc JR See Byard RW
 LeDuc MA See Nagle CE
 Lee A See Littrup PJ
 Lee AK See Athanasoulis CA
 Lee AK See Olson SL
 Lee AS See Casola G
 Lee AS See vanSonnenberg E
 Lee AS; vanSonnenberg E; Wittich GR; Casola G:
 exchange of occluded catheters with
 transcatheter and pericatheter maneuvers,
Radiology 1987; 163: 273
 Lee AW; Ram MD; Shih W-J; et al: technetium-99m
 BIDA biliary scintigraphy in the evaluation of
 the jaundiced patient, *J Nucl Med* 1986; 27: 1407
 Lee AWM See Lam KSL
 Lee BCP See Albert A
 Lee BCP See Heier LA
 Lee BCP See Zimmerman RD
 Lee BCP: magnetic resonance imaging of peri-
 aqueductal lesions, *Clin Radiol* 1987; 38: 527
 Lee BCP; Engel M: MR of lissencephaly, *AJNR* 1988;
 9: 804
 Lee BCP; Lipper E; Nass R; et al: MRI of the central
 nervous system in neonates and young
 children, *AJNR* 1986; 7: 605
 Lee C; Woodring JH; Goldstein SJ; et al: evaluation
 of traumatic atlantooccipital dislocations, *AJNR*
 1987; 8: 19
 Lee C; Woodring JH; Rogers LF; et al: radiographic
 distinction of degenerative slippage
 (spondylolisthesis and retrolisthesis) from
 traumatic slippage of the cervical spine, *Skeletal
 Radiol* 1986; 15: 439
 Lee C-C See Ho PSP
 Lee CHS See Tong ECK
 Lee CKK See Levitt SH
 Lee CKK See Song CW
 Lee CKK; Acipelli DM; Bloomfield CD; et al:
 Hodgkin's disease: a reassessment of prognostic
 factors following modification of radiotherapy,
Int J Radiat Oncol Biol Phys 1987; 13: 983
 Lee C-M; Chang-Chien C-S; Lin D-Y; et al: real-time
 ultrasonography of pancreatic pseudocyst:
 comparison of infected and noninfected
 pseudocysts, *JCU* 1988; 16: 393
 Lee DH; Norman D; Newton TH: MR imaging of
 pineal cysts, *JCAT* 1987; 11: 586
 Lee DJ See Forman JD
 Lee DJ See Lam WC
 Lee D-J; O'Neill MJ; Lam K-S; et al: new design of
 microwave interstitial applicators for
 hyperthermia with improved treatment volume,
Int J Radiat Oncol Biol Phys 1986; 12: 2003
 Lee E See Ferguson MK
 Lee EL See Smith HJ
 Lee ES See Arundel CM
 Lee ES See Leith JT
 Lee F See Lee F Jr
 Lee F See Lee SB
 Lee F See Littrup PJ
 Lee F See Torp-Pedersen ST
 Lee F; Gray JM; McLeary RD; Lee F Jr;
 McHugh TA; Solomon MH; Kumasaka GH;
 Straub WH; Borlaza GS; Murphy GP: prostatic
 evaluation by transrectal sonography: criteria
 for diagnosis of early carcinoma, *Radiology*
 1986; 158: 91
 Lee F; Littrup PJ; Kumasaka GH; Borlaza GS;
 McLeary RD: use of transrectal ultrasound in
 the diagnosis, guided biopsy, staging and
 screening of prostate cancer, *Radiographics*
 1987; 7: 627
 Lee F; Littrup PJ; McLeary RD; Kumasaka GH;
 Borlaza GS; McHugh TA; Soliderer MH;
 Reil LD: needle aspiration and core biopsy of
 prostate cancer: comparative evaluation with
 biplanar transrectal US guidance, *Radiology*
 1987; 163: 515
 Lee F; Littrup PJ; Torp-Pedersen ST; Mattila C;
 McHugh TA; Gray JM; Kumasaka GH;
 McLeary RD: prostate cancer: comparison of
 transrectal US and digital rectal examination for
 screening, *Radiology* 1988; 168: 389
 Lee F Jr See Lee F
 Lee F Jr; Lee F; Solomon MH; et al: sonographic
 demonstration of prostatic abscess, *J Ultrasound
 Med Work* 1986; 5: 101
 Lee FYF; Workman P: interaction of nitroimidazole
 sensitizers with drug metabolizing
 enzymes—spectral and kinetic studies, *Int J
 Radiat Oncol Biol Phys* 1986; 12: 1383
 Lee GS; Sandler MF; Patton JA; et al: serial thyroid
 iodine content in hyperthyroid patients treated
 with radioiodine, *Clin Nucl Med* 1986; 11: 115
 Lee HH See Agha FP
 Lee HK See Skarzynski JJ
 Lee HK; Kajubi S: colloid shift in technetium-99m
 sulfur colloid liver-spleen scans of trauma
 patients, *Clin Nucl Med* 1987; 12: 801
 Lee HK; Skarzynski JJ: attenuation defects caused
 by prominent clavicles and first ribs in
 perfusion lung imaging, *Clin Nucl Med* 1988;
 13: 545
 Lee HK; Skarzynski JJ: bladder herniation in
 inguinal hernia detected during bone imaging,
Clin Nucl Med 1986; 11: 740
 Lee HK; Skarzynski JJ; Haynes de Regt R; et al:
 postpartum hepatic hemorrhage in the
 syndrome of hemolysis, elevated liver enzymes,
 and low platelets: diagnosis by radionuclide
 scanning, *Clin Nucl Med* 1988; 13: 635
 Lee HM See Engelstad BL
 Lee J-J See Naidich DP
 Lee JK See Kremer JM
 Lee JK See Yao L
 Lee JK; Yao L: stress fractures: MR imaging,
Radiology 1988; 169: 217
 Lee JK; Yao L; Phelps CT; et al: case report 459,
Skeletal Radiol 1988; 17: 60
 Lee JK; Yao L; Phelps CT; Wirth CR; Casjka J;
 Lozman J: anterior cruciate ligament tears: MR
 imaging compared with arthroscopy and
 clinical tests, *Radiology* 1988; 166: 661

- Lee JK; Yao L; Wirth CR: MR imaging of solitary osteochondromas: report of eight cases, *AJR* 1987; 149: 557
- Lee JKT See Biondetti PR
- Lee JKT See Bryan RN
- Lee JKT See Chang A
- Lee JKT See Fein AB
- Lee JKT See Glazer HS
- Lee JKT See Heiken JP
- Lee JKT See James S
- Lee JKT See Katz ME
- Lee JKT See Ling D
- Lee JKT See McClennan BL
- Lee JKT See Mirowski S
- Lee JKT See Picus D
- Lee JKT See Reiman TH
- Lee JKT See Rholl KS
- Lee JKT See Totty WG
- Lee JKT See Unger EC
- Lee JKT See Weinstein JB
- Lee JKT See Worthington JL
- Lee JKT: magnetic resonance imaging of the retroperitoneum, *Urol Radiol* 1986; 10: 48
- Lee JKT: role of MR imaging in staging of cervical carcinoma, *Radiology* 1988; 166: 895
- Lee JKT; Glazer HS: prostatic muscle disorders: MR imaging, *Radiology* 1986; 160: 683
- Lee JKT; Rholl KS: MRI of the bladder and prostate, *AJR* 1986; 147: 732
- Lee JM See Bahk YW
- Lee JN See Bobman SA
- Lee JN See de Castro JB
- Lee JN See Riederer SJ
- Lee JN See Wang HZ
- Lee JN; Riederer SJ: contrast-to-noise in relaxation time, synthetic, and weighted-sum MR images, *Magn Res Med* 1987; 5: 13
- Lee JN; Riederer SJ: modified saturation-recovery approximation for multiple spin-echo pulse sequences, *Magn Res Med* 1986; 3: 132
- Lee JN; Riederer SJ: optimum acquisition times of two spin echoes for MR image synthesis, *Magn Res Med* 1986; 3: 634
- Lee JN; Riederer SJ; Bobman SA; et al: instrumentation for rapid MR image synthesis, *Magn Res Med* 1986; 3: 33
- Lee JS See Lim TH
- Lee JS; Umsawandi T; Barkley HT Jr; et al: timing of elective brain irradiation: critical factor for brain metastasis-free survival in small cell lung cancer, *Int J Radiat Oncol Biol Phys* 1987; 13: 697
- Lee JS; Umsawandi T; Lee Y-Y; et al: neurotoxicity in long-term survivors of small cell lung cancer, *Int J Radiat Oncol Biol Phys* 1986; 12: 313
- Lee JT See Park CH
- Lee Y; Pozdrazac RV; Domanowski A; et al: benign histiocytoma (xanthoma) of the rib, *Clin Nucl Med* 1986; 11: 769
- Lee KF See Kulkarni MV
- Lee KF See Van Tassel P
- Lee KF See Yeakley JW
- Lee KH; Liu HTH; Chen DCF; Siegel ME; Ballard S: volume calculation by means of SPECT: analysis of imaging acquisition and processing factors, *Radiology* 1988; 167: 259
- Lee KJ See Southae AE
- Lee KJ; Southae AE; Morris JG; et al: extensive soft tissue uptake of bone tracer in amyloidosis, *Clin Nucl Med* 1988; 13: 675
- Lee KP See Ralls PW
- Lee KR; Cox GG; Neff JR; et al: cystic masses of the knee: arthrographic and CT evaluation, *AJR* 1987; 148: 329
- Lee KR; Cox GG; Price HJ; Johnson JA; Neff JR: intraarterial digital subtraction arteriographic evaluation of extremity tumors: comparison with conventional arteriography, *Radiology* 1986; 158: 255
- Lee KS See Park CH
- Lee LI; Teplick SK; Haskin PH; Sammon JK; Wolferth C; Amron G: refractory afferent loop problems: percutaneous transhepatic management of two cases, *Radiology* 1987; 165: 49
- Lee LL See McGahan JP
- Lee LL; McGahan JP: dissolution of cholesterol gallstones: comparison of solvents, *Gastrointest Radiol* 1986; 11: 169
- Lee M See Ferraro EM
- Lee M See Meduri GU
- Lee MC; Wagner HN Jr; Tanada S; et al: duration of occupancy of opiate receptors by naltrexone, *J Nucl Med* 1986; 29: 1207
- Lee ME See Pretorius DH
- Lee MJ; O'Connell DJ: plain chest radiograph after acute smoke inhalation, *Clin Radiol* 1988; 39: 33
- Lee MS See Harcke HT
- Lee MS See Pincus M
- Lee P-K See Lok AS-F
- Lee RA See Pettit PD
- Lee RA; Symmonds RE: presacral tumors in the female: clinical presentation, surgical management, and results, (ab), *Radiology* 1988; 168: 293
- Lee RG: adenomas arising in Barrett's esophagus, (ab), *Radiology* 1987; 162: 586
- Lee RGL See Clouse ME
- Lee RGL See Graml CJ
- Lee RGL See Lee SM
- Lee RGL; Lanir A; Clouse ME: liver adenine nucleotide metabolism during ischemia and reperfusion of mice livers studied by phosphorus-31 nuclear magnetic resonance, *Invest Radiol* 1987; 22: 479
- Lee RGL; Springer C; Kasulis P; et al: nuclear magnetic resonance assessment of adenosine triphosphate (ATP) dynamics in ischemic mouse livers perfused with adenine and ribose, *Invest Radiol* 1987; 22: 685
- Lee S See Kennedy C
- Lee S See Majid OA
- Lee S: hemangioendothelial sarcoma of the sacrum: CT findings, *Comput Radiol* 1986; 10: 51
- Lee SB; Lee F; Solomon MH; et al: seminal vesicle abscess: diagnosis by transrectal ultrasound, *JCU* 1986; 14: 546
- Lee SH; Coleman FE; Hahn FJ: magnetic resonance imaging of degenerative disk disease of the spine, *Radiol Clin North Am* 1988; 26: 949
- Lee SH; Hall-Craggs MA; Lees WR: appendix mass in AIDS?, *Br J Radiol* 1987; 60: 1030
- Lee SM; Lee RGL; Clouse ME; et al: demonstration of hemoglobin by technetium-99m labeled red blood cells, *Clin Nucl Med* 1986; 11: 52
- Lee SM; Lee RGL; Wilinsky J; et al: magnification radiography in osteomyelitis, *Skeletal Radiol* 1986; 15: 625
- Lee SW See Lim JH
- Lee SW; Hilal SK; Cho ZH: multinuclear magnetic resonance imaging technique—simultaneous proton and sodium imaging, *Magn Res Imag* 1986; 4: 343
- Lee T See Mattrey RF
- Lee TA See Bognanno JR
- Lee TA III; Siddiqui AR: urinary bladder herniation into the scrotum seen on bone imaging, *Clin Nucl Med* 1986; 11: 435
- Lee TG See Mukuno DH
- Lee T-Y See Wan Y-L
- Lee VW See Allard JC
- Lee VW See Salzman L
- Lee VW; Allard JC; Berger P; Plehn J; Grindlinger GA; Getchell J; Dunlop R; Vendetti F: right ventricular tardokinesis in cardiac contusion: a new observation on phase images, *Radiology* 1988; 167: 737
- Lee VW; Allard JC; Foster JE; et al: functional oncology of the kidney: evaluation by dual tracer scintigraphy, *J Nucl Med* 1987; 28: 1911
- Lee VW; Getchell J; Foster JE; et al: rotational artifact in phase imaging of cardiac scans: potential pitfalls in diagnosis, *J Nucl Med* 1987; 28: 1536
- Lee VW; Hauck RM; Morrison MC; et al: scintigraphic evaluation of brain death: significance of sagittal sinus visualization, *J Nucl Med* 1987; 28: 1279
- Lee VW; O'Brien MJ; Morris PM; et al: specific diagnosis of hepatocellular carcinoma by scintigraphy: multiple radiotracer approach, (ab), *Radiology* 1986; 158: 288
- Lee VW; Peng TT; O'Brien MJ; et al: Budd-Chiari syndrome complicating hepatocellular carcinoma: demonstration by multiple radiotracer scintigraphy, *Clin Nucl Med* 1986; 11: 102
- Lee VW; Skinner M; Cohen AS; et al: renal amyloidosis: evaluation by gallium imaging, *Clin Nucl Med* 1986; 11: 642
- Lee WB: left gastric and coeliac lymph nodes: a problem area for C.T. staging of carcinoma of the gastro-oesophageal junction, *Australas Radiol* 1988; 32: 230
- Lee WJ See Pochaczewsky R
- Lee WJ See Schiff RG
- Lee WJ; Badlani GH; Karlén GS; et al: treatment of ureteropelvic strictures with percutaneous pyelotomy: experience in 62 patients, *AJR* 1988; 151: 515
- Lee WJ; Badlani GH; Smith AD: percutaneous nephrostomy for endopyelotomy, *AJR* 1987; 148: 189
- Lee WJ; Rich M: universal stent introducer: simplified approach to antegrade ureteral stent insertion, *AJR* 1986; 147: 830
- Lee WJ; Smith AD; Cabelli V; et al: complications of percutaneous nephrolithotomy, *AJR* 1987; 148: 177
- Lee WJ; Smith AD; Cabelli V; et al: percutaneous nephrolithotomy: analysis of 500 consecutive cases, *Urol Radiol* 1986; 8: 61
- Lee WJ; Snyder JA; Smith AD: staghorn calculi: endourologic management in 120 patients, *Radiology* 1987; 165: 85
- Lee WW See Bump EA
- Lee YW See Abrams DN
- Lee YW See Park JH
- Lee Y-Y See Goeppfert H
- Lee Y-Y See Lee JS
- Lee Y-Y See Lewis E
- Lee Y-Y See Van Tassel P
- Lee Y-Y; Bruner JM; Van Tassel P; et al: primary central nervous system lymphoma: CT and pathologic correlation, *AJR* 1986; 147: 747
- Lee Y-Y; Moser R; Bruner JM; et al: organized intracerebral hematoma with acute hemorrhage: CT patterns and pathologic correlations, *AJNR* 1986; 7: 409
- Lee Y-Y; Van Tassel P; Nauer C; et al: craniofacial osteosarcomas: plain film, CT, and MR findings in 46 cases, *AJNR* 1988; 9: 379
- Lee Y-Y; Van Tassel P; Nauer C; et al: lymphomas of the head and neck: CT findings at initial presentation, *AJNR* 1987; 8: 665
- Lee Y-Y; Wallace S; Dimery I; et al: intraarterial chemotherapy of head and neck tumors, *AJNR* 1986; 7: 343
- Leeba JM; Boas RN: simultaneous intussusception and sigmoid volvulus in a child, *Pediatr Radiol* 1986; 16: 248
- Lee-Chahal D See Bly SHP
- Leeds NE See Rosenberg ZS
- Leehey P See Naseem M
- Leekam RN See Marrocco FS
- Leekam RN; Bayley TA; Shankar L; et al: portal venous tumor casts causing defect on hepatic imaging, *Clin Nucl Med* 1986; 11: 519
- Leekam RN; Ilves R; Shankar L: inversion of gallbladder secondary to traumatic herniation of liver: CT findings, *JCAT* 1987; 11: 163
- Leekam RN; Salsberg BB; Bogoch E; et al: sonographic diagnosis of partial Achilles tendon rupture and healing, *J Ultrasound Med* 1986; 5: 115
- Leekam RN; Shankar L; Bayley TA: demonstration of segmental bile duct dilatation on technetium-99m sulfur colloid imaging, *Clin Nucl Med* 1986; 11: 735
- Leekam RN; Shankar L; Bayley TA: emphysematous pyelonephritis as seen on technetium-99m DTPA renal imaging, *Clin Nucl Med* 1987; 12: 140
- Leeman S See Aufrichtig D
- Leeper KV Jr; Popovich J Jr; Lesser BA; et al: treatment of massive acute pulmonary embolism: the use of low doses of intrapulmonary arterial streptokinase combined with full doses of systemic heparin, (ab), *Radiology* 1988; 169: 881
- Lees S; Barnard SM; Churchill D: variation of sonic plesio-velocity in dose dependent lathyrus rabbit femurs, *Ultrasound Med Biol* 1987; 13: 19
- Lees WR See Coral A
- Lees WR See Hall-Craggs MA
- Lees WR See Jones SN
- Lees WR See Lee SH
- Lees WR See Rashleigh-Belcher HJC
- Lees WR See Shorvon FJ
- Lees WR; Heron CW: US-guided percutaneous pancreatography: experience in 75 patients, *Radiology* 1987; 165: 809
- Leeson SH See Panicek DM
- Leestma J See Naidich TP
- Leeton J See Davison GB
- Lefevre I See Lambrianides AL
- Lefkowitz Z See Gerard PS
- Lefleur RS See Naidich DP
- LeFree MT See Sanz ML
- LeFree MT; Simon SB; Mancini J; et al: comparison of 35 mm cine film and digital radiographic image recording: implications for quantitative coronary arteriography: film vs. digital coronary quantification, *Invest Radiol* 1988; 23: 176
- Le Gal J See Chagnon SF
- Legendre JP; Misner R; Forester GV; et al: simple fiber optic monitor of cardiac and respiratory activity for biomedical magnetic resonance applications, *Magn Res Med* 1986; 3: 953
- Leger C See Cadotte R
- Legg NJ See Brooks DJ
- Legmann P See Levesque M
- Legmann P; Grenier P: subcarinal space revisited on a frontal chest radiograph: evaluation in subcarinal mass detection, *Eur J Radiol* 1987; 7: 18
- Le Helloco A See Danchin N
- Le Heron JC See Poletti JL
- Lehman GA See Lappas JC
- Lehman GA See Rex DK
- Lehman RH See Duncavage JA
- Lehmann T See Smoker WRK
- Lehner K; Reiser M; Biehl T: normal findings and pathological changes of the ligamentum patellae on CT, (ab), *Radiology* 1986; 158: 570
- Lehner K; Reiser M; Gebhardt U; et al: DSA—control of implanted devices for arterial hepatic perfusion, *Cardiovasc Intervent Radiol* 1987; 10: 71

- Lehr JL See Montner SM
 Lehr JL See Wang Y
 Lehrman S See Williams AJ
 Lehtinen E: policy statement of the World Health Organisation, *Ultrasound Med Biol* 1986; 12: 718
 Lehto M; Alanen A: healing of a muscle trauma: correlation of sonographical and histological findings in an experimental study in rats, *J Ultrasound Med* 1987; 6: 425
 Lehto V-P See Palva T
 Lehtola A See Kivisaari L
 Lehtovirta P; Cacciatori B; Wahlström T; et al: ultrasonic assessment of endometrial cancer invasion, *JCU* 1987; 15: 519
 Leibell S See Bauer M
 Leibell S; Bauer M; Wasserman T; et al: radiotherapy with or without misonidazole for patients with stage IIIB or stage IVA squamous cell carcinoma of the uterine cervix: preliminary report of a radiation therapy oncology group randomized trial, *Int J Radiat Oncol Biol Phys* 1987; 13: 541
 Leibell SA; Pelak TE; Massullo V; et al: comparison of misonidazole sensitized radiation therapy to radiation therapy alone for the palliation of hepatic metastases: results of a radiation therapy oncology group randomized prospective trial, *Int J Radiat Oncol Biol Phys* 1987; 13: 1057
 Leibfritz D See Haase A
 Leibfritz D See Koschorek F
 Leibman AJ; Gold MB: gastric manifestations of autoimmune deficiency syndrome-related Kaposi's sarcoma on computed tomography, *CT* 1986; 10: 85
 Leibman AJ; Kruse R; McSweeney MB: transvaginal sonography: comparison with transabdominal sonography in the diagnosis of pelvic masses, *AJR* 1988; 151: 89
 Leibovici V See Gomori JM
 Leibowitch S See Wang A-M
 Leibowitz B See Isdale JM
 Leibrock LG See Hahn FJ
 Leibrock LG See Smith S
 Leichman L See Herskovic A
 Leichman L See Seydel HG
 Leichner PK See Kuhlman JE
 Leichner PK See Order SE
 Leichner PK See Yang N-C
 Leichner PK; Yang N-C; Frenkel TL; et al: dosimetry and treatment planning for ⁹⁰Y-labeled antiferitin in hepatoma, *Int J Radiat Oncol Biol Phys* 1988; 14: 1033
 Leichter I See Shukla SS
 Leigh JS Jr See Renshaw PF
 Leigh JS Jr See Schnall MD
 Leigh RJ See Ruff RL
 Leight GS See Baker ME
 Leighton DM; de Campo JF; Matthews R; et al: work in progress: dual energy CT estimation of liver iron content in thalassemic children, *Australas Radiol* 1988; 33: 214
 Leiguada R See Berthier M
 Leimgruber PP; Roubin GS; Hollman J; et al: restenosis after successful coronary angioplasty in patients with single-vessel disease, (ab), *Radiology* 1986; 161: 286
 Leinonen K See Ilkko E
 Leinster SJ See Fewins HE
 Leinster SJ See Whitehouse GH
 Leinster SJ; Walsh PV; Whitehouse GH; et al: factors associated with mammographic parenchymal patterns, *Clin Radiol* 1988; 39: 252
 Leinster SJ; Whitehouse GH: factors which influence the occurrence of vascular calcification in the breast, *Br J Radiol* 1987; 60: 457
 Leinster SJ; Whitehouse GH: mammographic breast pattern and oral contraception, *Br J Radiol* 1986; 59: 237
 Leirisalo-Repo M; Suoranta H: ten-year followup study of patients with *Yersinia* arthritis, (ab), *Radiology* 1988; 169: 886
 Leisen JJC See Ellis BI
 Leite DV See Leith JT
 Leith JT See Arundel CM
 Leith JT; Bliven SF: x ray responses of a human colon tumor cell line after exposure to the differentiation-inducing agent N-methylformamide: characteristics, *Int J Radiat Oncol Biol Phys* 1988; 14: 1231
 Leith JT; Faulkner LE; Bliven SF; et al: tumor bed expression in xenografted artificial heterogeneous colon tumors, *Int J Radiat Oncol Biol Phys* 1988; 15: 151
 Leith JT; Lee ES; Leite DV; et al: enhanced x ray sensitivity of human colon tumor cells by combination of N-methylformamide with chemotherapeutic agents, *Int J Radiat Oncol Biol Phys* 1986; 12: 1423
 Leithner RE Jr See Macpherson RI
 Leithner RE Jr; Capitano MA; Macpherson RI; et al: "communicating" bronchopulmonary foregut malformations, *AJR* 1986; 146: 227
 Leithner RE Jr; Fyfe D; Weatherby E III; et al: prenatal sonographic diagnosis of atrial hemangioma, *AJR* 1986; 147: 1207
 Leitman BS See Naidich DP
 Leitman BS; Balthazar EJ; Garay SM; et al: Hermansky-Pudlak syndrome: radiographic features, *J Canad Assoc Radiol* 1986; 37: 42
 Leitman BS; Naidich DP; McCauley DJ: computed tomography of pectoral flaps, *JCAT* 1988; 12: 392
 Leivonen M: costs and benefits of breast cancer diagnosis, *Acta Oncol* 1987; 26: 257
 Leicuk S; Ratan J; Klausner JM; et al: endoscopic decompression of acute colonic obstruction: avoiding staged surgery, (ab), *Radiology* 1986; 160: 856
 Lemahieu SF See Casselman JW
 LeMaitre GD: in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications, *Radiology* 1987; 163: 583
 Lemaitre L See Jardin M
 Lemaitre L; Leclerc F; Marconi V; et al: ultrasonographic findings in thymic lymphoma in children, *Eur J Radiol* 1987; 7: 125
 Lemaitre L; Marconi V; Avni F; et al: sonographic evaluation of normal thymus in infants and children, *Eur J Radiol* 1987; 7: 130
 Lemak NA See Fields WS
 Lemarbré L; Hudon G; Coche G; et al: outpatient peripheral angioplasty: survey of complications and patients' perceptions, *AJR* 1987; 148: 1239
 Lemay M See Aubé L
 Lemay M: CT changes in dementing diseases: review, *AJNR* 1986; 7: 841
 Lemay M; Stafford JL; Sander T; et al: statistical assessment of perceptual CT scan ratings in patients with Alzheimer type dementia, *JCAT* 1986; 10: 802
 Lemke T; Greenberg H: cystic pheochromocytoma with inadvertent needle biopsy and glucagon administration, *J Canad Assoc Radiol* 1987; 38: 232
 Lemire P See Bourgoin P
 Lemmens JAM See Barentsz JO
 Lemme-Flaghos I; Kucharczyk W; Brant-Zawadzki M; et al: MR imaging of angiographically occult vascular malformations, *AJNR* 1986; 7: 217
 Lemme-Flaghos I; Kucharczyk W; Brant-Zawadzki M; et al: MRI of angiographically occult vascular malformations, *AJR* 1986; 146: 1223
 Lemmon MJ See Horsman MR
 Lemmon MJ See Zeman EM
 Lempert TE See Anderson-Berg WT
 Lenarsky C See Dietrich RB
 Lenders JWM; Sluiter HE; Rosenbusch G; et al: pheochromocytoma of the urinary bladder, *Eur J Radiol* 1987; 7: 274
 Lenke RR See Persutte WH
 Lenke RR; Cyr DR; Mack LA; et al: fetal hydrops secondary to a paratracheal hemangiomatous malformation, *J Ultrasound Med* 1986; 5: 223
 Lenkinski RE See Allman T
 Lenkinski RE See Gomori JM
 Lenkinski RE See Grossman RI
 Lenkinski RE See Hackney DB
 Lenkinski RE See Sarkar SK
 Lenkinski RE; Holland GA; Allman T; Vogele K; Kressel HY; Grossman RI; Charles HC; Engseth HK; Flamig D; MacFall JR: integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience, *Radiology* 1988; 169: 201
 Lennard ES See Rifkin MD
 Lennard ES See Schoenacker SA
 Lennard-Jones JE See Bartram CI
 Lennner P; Roos G; Johansson H; et al: non-Hodgkin lymphoma: multivariate analysis of prognostic factors including fraction of S-phase cells, *Acta Oncol* 1987; 26: 179
 Lenney W See Kenney IJ
 Lent AH See Yeung HN
 Lentini JF; Love MB; Ritchie WGM; et al: computed tomography in retroconversion of hepatic metastases from immature ovarian teratoma, *JCAT* 1986; 10: 1060
 Lentile BC; Kotchoa T; Catz Z; et al: detecting bone marrow metastases at the time of examining the liver with radiocolloid, *J Nucl Med* 1987; 28: 184
 Lentile BC; Russell AS: uptake of Tc-99m MDP in muscle anticipating clinical evidence of a carcinomatous myopathy, (ab), *Radiology* 1986; 158: 570
 Lenz GW See Haacke EM
 Lenz GW See Masaryk TJ
 Lenz GW; Haacke EM; Masaryk TJ; Laub G: in-plane vascular imaging: pulse sequence design and strategy, *Radiology* 1988; 166: 875
 Lenz M See Koenig H
 Lenz M See Modder U
 Lenz M See Sigmund G
 Leo FP See Siegelman SS
 Leo FP See Zerhouni EA
 Leon A See Baeza MR
 Leon SH See Schuffler MD
 Leonard A See Baert L
 Leonard AS See Day DL
 Leonard JC See Acker R
 Leonard JC See Calderwood G
 Leonard JC See Fleming JC
 Leonard JC See Fuller C
 Leonard JC See Nguyen DL
 Leonard JC See Reyes de la Rocha S
 Leonard JC See Talley MA
 Leonard JC; Fuller C; Lowe R: demonstration of axillary vein collateral flow, *Clin Nucl Med* 1986; 11: 738
 Leonard JC; Nanney SM; Tittle T: arteriovenous fistula secondary to renal biopsy, *Clin Nucl Med* 1986; 11: 284
 Leonard J-P; Nowotnik DP; Neirinx RD: technetium-99m-d,l-HM-PAO: new radiopharmaceutical for imaging regional brain perfusion using SPECT—comparison with iodine-123 HIFDM, *J Nucl Med* 1986; 27: 1819
 Leonardi M See De Flavia L
 Leone LA See Chang H
 Leonetti DL See Shuman WF
 Leong J See Langer M
 Leong J See Sult HD
 Leong LLY See Chan EMT
 Leonhardt W See Gooding GAW
 Leonidas J See Schiff RG
 Leonidas JC See Ismailier I
 Leonidas JC See Rosenfield NS
 Leopold GR See Amberg JR
 Leopold GR See Baker LL
 Leopold GR See Dillard JP
 Leopold GR See Hilton SW
 Leopold GR See Mattrey RF
 Leopold GR See Moreland SI III
 Leopold GR See Pretorius DH
 Leopold GR See Thomas CS
 LePage JF; Szechenyi E; Rosa-Duggan JW: pseudocoarctation of the aorta, *Magn Res Imag* 1988; 6: 65
 LePage S See Verreault J
 Lepanto L See Liebosa R
 Lepanto L See Rosenthal L
 Lepavsky M See Szasz IJ
 Lepavsky M See Zwirach CV
 Leppard HJ See Hall VL
 Leppo J See Rothendler JA
 Leppo JA: myocardial uptake of thallium and rubidium during alterations in perfusion and oxygenation in isolated rabbit hearts, *J Nucl Med* 1987; 28: 878
 Leppo JA; Macneil PB; Moring AF; et al: separate effects of ischemia, hypoxia, and contractility on thallium-201 kinetics in rabbit myocardium, *J Nucl Med* 1986; 27: 66
 LeQuenne GW See Alcock MK
 LeQuenne GW See Harbord MG
 LeQuenne GW See Stunden RJ
 LeQuenne GW See Verco FW
 LeQuenne GW See Spies JP
 Lerch IA: physics and technology of hyperthermia. series E: applied sciences, no. 127, *Radiology* 1988; 167: 422
 Lerman-Sagie T; Grunbaum M; Mimouni M: case report 416, *Skeletal Radiol* 1987; 16: 175
 Lerner A; Feld LG; Riddlesberger MM; et al: computed axial tomographic scanning of the thigh: an alternative method of nutritional assessment in pediatrics, (ab), *Radiology* 1987; 162: 296
 Lerner HH See Fanney D
 Lerner RM See Gethlin JH
 Lerner RM See Mevorach RA
 Lerner RM See Parker KJ
 Lerner RM; Rubens D: distal ureteral calculi: diagnosis by transrectal sonography, *AJR* 1986; 147: 1189
 Lerner RM; Waag RC: wave space interpretation of scattered ultrasound, *Ultrasound Med Biol* 1988; 14: 97
 LeRoy AJ See Binkovitz LA
 LeRoy AJ See Hattery RR
 LeRoy AJ See Patterson DE
 LeRoy AJ; Segura JW: extracorporeal shock-wave lithotripsy, *Radiol Clin North Am* 1986; 24: 623
 LeRoy AJ; Segura JW: percutaneous removal of renal calculi, *Radiol Clin North Am* 1986; 24: 615
 LeRoy AJ; Segura JW; Williams HJ Jr; et al: percutaneous renal calculus removal in an extracorporeal shock wave lithotripsy practice, (ab), *Radiology* 1988; 167: 293
 LeRoy AJ; Williams HJ Jr; Segura JW; Patterson DE; Benson RC Jr: indwelling ureteral stents: percutaneous management of complications, *Radiology* 1986; 158: 219
 Leroy-Willig A See Gonord P
 Lerski RA See Jennings SJ
 Lerski RA See Walker P
 Lerski RA; McRobbie DW; Straughan K; et al: V. multi-center trial with protocols and prototype test objects for the assessment of MRI equipment, *Magn Res Imag* 1988; 6: 201

- Lesak F See Bundgaard T
 Lesar M See Hopper KD
 Lesavre P See Viard J-P
 Leslie IJ See Cobby MJD
 Leslie MD See Williams DS
 Lessick JE See Hackney DB
 Lespinasse F See Biscay P
 Lespinasse F See Reynaud-Bougnoux A
 Lesser BA See Leeper KV Jr
 Lesser RP; Modic MT; Weinstein MA; et al:
 magnetic resonance imaging (1.5 Tesla) in
 patients with intractable focal seizures, (ab),
Radiology 1986; 160: 861
 Lesser RW; Spector JG; facial nerve palsy associated
 with Warthin's tumor, (ab), *Radiology* 1986; 159:
 823
 Lessig HJ; Meltzer MS; Siegel JA; symmetry of hip
 bone mineral density: a dual photon
 absorptiometry approach, *Clin Nucl Med* 1987;
 12: 811
 Lester JW Jr; Carter MP; Berens SV; et al: colon
 carcinoma metastatic to the thyroid gland, *Clin
 Nucl Med* 1986; 11: 634
 Lester PD See Barnes PD
 Lester PD See Osborn RE
 Lester RB III; Sty JR: prenatal diagnosis of cystic
 CNS lesions in neonatal isoimmune
 thrombocytopenia, *J Ultrasound Med* 1987; 6:
 479
 Lester RG; Malcolm D; Jones, M.D., President,
 Radiological Society of North America, 1988,
Radiology 1988; 166: 281
 Lester SG; Morphis JG II; Hornback NB: testicular
 seminoma: analysis of treatment results and
 failures, *Int J Radiat Oncol Biol Phys* 1986; 12:
 353
 Letendre L See Kriegshauser JS
 Letienne G See Gaux JC
 Letourneau JG See Castaneda F
 Letourneau JG See Day DL
 Letourneau JG See Lund G
 Letourneau JG See Maynar M
 Letourneau JG See Smith TP
 Letourneau JG; Day DL; Ascher NL; et al:
 abdominal sonography after hepatic
 transplantation: results in 36 patients, *AJR* 1987;
 149: 259
 Letourneau JG; Day DL; Ascher NL; et al: imaging
 of renal transplants, *AJR* 1988; 150: 833
 Letourneau JG; Day DL; Feinberg SB: ultrasound
 and computed tomographic evaluation of renal
 transplantation, *Radiol Clin North Am* 1987; 25:
 267
 Letourneau JG; Day DL; Frick MP; et al: ultrasound
 and computed tomographic evaluation in
 hepatic transplantation, *Radiol Clin North Am*
 1987; 25: 323
 Letourneau JG; Day DL; Hunter DW; Ascher NL;
 Najarian JS; Thompson WM; Castaneda-
 Zuniga WR: biliary complications after liver
 transplantation in patients with preexisting
 sclerosing cholangitis, *Radiology* 1988; 167: 349
 Letourneau JG; Day DL; Maile CW; et al: liver
 allograft transplantation: postoperative CT
 findings, *AJR* 1987; 148: 1099
 Letourneau JG; Day DL; Steely JW; et al: CT
 appearance of antibiotic-induced colitis,
Gastrointest Radiol 1987; 12: 257
 Letourneau JG; Hunter DW; Crass JR; et al:
 percutaneous aspiration and drainage of
 abdominal fluid collections after pancreatic
 transplantation, *AJR* 1988; 150: 805
 Letourneau JG; Maile CW; Sutherland DER; et al:
 ultrasound and computed tomography in the
 evaluation of pancreatic transplantation, *Radiol
 Clin North Am* 1987; 25: 345
 Letourneau JG; Steely JW; Crass JR; Goldberg ME;
 Grage TB; Day DL: upper abdomen: CT
 findings following partial hepatectomy,
Radiology 1988; 166: 139
 Letourneau JG; Steely JW; Crass JR; Goldberg ME;
 Grage TB; Day DL: upper abdomen: CT
 findings following partial hepatectomy: reply,
Radiology 1988; 166: 880
 Letourneau JG; Thompson WM: intraoperative and
 postoperative cholangiography, *Semin US CT
 MR* 1987; 8: 126
 Letourneau JG; Thompson WM; Goldberg
 ME; et al: progressive CT appearance of hepatic
 metastases from colorectal carcinoma,
Gastrointest Radiol 1988; 13: 145
 Lettieri G See Giorgio A
 Letton AH; Mason EM: routine breast screening:
 survival after 10.5 years follow-up, (ab),
Radiology 1986; 161: 574
 Leung AW-L See Graif M
 Leung AW-L: MRI of the kidneys, *Semin US CT MR*
 1986; 7: 259
 Leung CY; Cummings RG; Reimer KA; et al:
 chondrosarcoma metastatic to the heart, (ab),
Radiology 1988; 169: 292
 Leung JWC See Price J
 Leung JWC; Mok SD; Metrewell C: ascaris-induced
 pancreatitis, *AJR* 1987; 149: 511
 Leung K; Gallus AS; Sage MR: use and limitations
 of thermography in patients with clinically
 suspected venous thrombosis, *Australas Radiol*
 1987; 31: 424
 Leung MP See Lo RNS
 Leung PC; Lam SF: long-term follow-up of children
 with femoral neck fractures, (ab), *Radiology*
 1987; 162: 887
 Leung W See Deukar V
 Levatier R See Yobhagy JJ
 Leveau J See Meignan M
 Leveen HH See Vujic I
 Leveen R See Mitchell PM
 Leveen RF See Consigny PG
 Leveen RF See Meranze SG
 Leveen RF; Batterman HJ; Billman LA; et al:
 entrapment of below-the-knee bypass grafts,
Cardiovasc Intervent Radiol 1986; 9: 100
 Leveille J See Taillefer R
 Levenbrown J See Cervantes CD
 Levendag P; Vikram B: problem of neck relapse in
 early stage supraglottic cancer—results of
 different treatment modalities for the clinically
 negative neck, *Int J Radiat Oncol Biol Phys*
 1987; 13: 1621
 Levendag PC; Marijnissen HPA; de Ru VJ; et al:
 interaction of interstitial photodynamic therapy
 and interstitial hyperthermia in a rat
 rhabdomyosarcoma—a pilot study, *Int J Radiat
 Oncol Biol Phys* 1988; 14: 139
 Levene MI See Evans DH
 Levene MI See Trounce JQ
 Levene MI; Trounce JQ: cause of neonatal
 convulsions: towards more precise diagnosis,
 (ab), *Radiology* 1986; 161: 864
 Lever SZ See Scheffel U
 Levesque M; Legmann P; Le Cloirec A; et al:
 radiological features in congenital
 erythropoietic porphyria (Gunther's disease).
 report of 3 cases, *Pediatr Radiol* 1988; 18: 62
 Levesque PH See Jackson DE Jr
 Levesque R-Y See Boucher J
 Levesque R-Y See Brazeau-Lamontagne L
 Levy M See Weiss KL
 Levi CS See Dabeshoff SM
 Levi CS; Lyons EA; Lindsay DJ: early diagnosis of
 nonviable pregnancy with endovaginal US,
Radiology 1988; 167: 383
 Levi CS; Lyons EA; Morrow IM; et al: value of
 combined pulsed-Doppler and high-resolution
 real-time sonography of the extracranial carotid
 system, *J Canad Assoc Radiol* 1987; 38: 11
 Levick RK See Milner GR
 Levin AB See Li V
 Levin DC See Bost LM
 Levin DC See Marx M
 Levin DC See Meyerovitz MF
 Levin DC See Needleman L
 Levin DC See Perlmut LM
 Levin DC See Soulen RL
 Levin DC: issues for negotiation by prospective
 chairmen of academic radiology departments,
Invest Radiol 1988; 23: 400
 Levin DC: new challenge to radiologists, *Radiology*
 1988; 169: 855
 Levin DC: Palmaz stent: a possible technique for
 prevention of postangioplasty stenosis,
Radiology 1988; 168: 873
 Levin DC; Gardiner GA Jr: complex and simple
 coronary artery stenoses: a new way to interpret
 coronary angiograms based on morphologic
 features of lesions, *Radiology* 1987; 164: 675
 Levin DN See Liebman CE
 Levin DN; Herrmann A; Spraggins TA; Collins PA;
 Dixon LB; Simon MA; Stillman AE:
 musculoskeletal tumors: improved depiction
 with linear combinations of MR images,
Radiology 1987; 163: 545
 Levin DN; Pelizzari CA; Chen GTY; Chen C-T;
 Cooper MD: retrospective geometric correlation
 of MR, CT, and PET images, *Radiology* 1988;
 169: 817
 Levin DR See Moskowitz B
 Levin H See Horowitz SF
 Levin H See Machac J
 Levin HS; Amparo E; Eisenberg HM; et al: magnetic
 resonance imaging and computerized
 tomography in relation to the neurobehavioral
 sequelae of mild and moderate head injuries,
 (ab), *Radiology* 1988; 166: 590
 Levin NW See Cruz C
 Levin VM See Kolosov OV
 Levine AM See Gellad FE
 Levine AM See Young JWR
 Levine C See Rezvani L
 Levine C: cervical presentation of a large thymic
 cyst: CT appearance, *JCAT* 1988; 12: 656
 Levine E See Wetzel LH
 Levine E: renal cell carcinoma: radiological
 diagnosis and staging, *Semin Roentgenol* 1987;
 22: 248
 Levine E: small renal neoplasms: diagnostic
 imaging, pathologic features, and clinical
 course, *Radiology* 1986; 159: 617
 Levine E; de Vries P; Wetzel LH: MR imaging of
 inferior vena caval recurrence of extraadrenal
 pheochromocytoma, *JCAT* 1987; 11: 717
 Levine E; Grantham JJ: perinephric hemorrhage in
 autosomal dominant polycystic kidney disease:
 CT and MR findings, *JCAT* 1987; 11: 108
 Levine E; Grantham JJ; MacDougall ML:
 spontaneous subcapsular and perinephric
 hemorrhage in end-stage kidney disease:
 clinical and CT findings, *AJR* 1987; 148: 755
 Levine E; Huntrakoon M; Wetzel LH: malignant
 nerve-sheath neoplasms in neurofibromatosis:
 distinction from benign tumors by using
 imaging techniques, *AJR* 1987; 149: 1059
 Levine E; Wetzel LH: splenic trauma during
 colonoscopy, *AJR* 1987; 149: 939
 Levine E; Wetzel LH; Neff JR: MR imaging and CT
 of extrahepatic cavernous hemangiomas, *AJR*
 1986; 147: 1299
 Levine J See Hernanz-Schulman M
 Levine JS See Zlatkin MB
 Levine M See Nicod P
 Levine MS See Chan T
 Levine MS See Coscina WF
 Levine MS See Gilchrist AM
 Levine MS See Glick SN
 Levine MS See Grumbach K
 Levine MS See Herlinger H
 Levine MS See Kikuchi Y
 Levine MS See Lev-Toaff AS
 Levine MS See O'Riordan D
 Levine MS See Recht MP
 Levine MS See Rubenstein SE
 Levine MS See Rumerman J
 Levine MS: Barrett's esophagus: a radiologic
 diagnosis?, *AJR* 1988; 151: 433
 Levine MS: Crohn's disease of the upper
 gastrointestinal tract, *Radiol Clin North Am*
 1987; 25: 79
 Levine MS; Cjajade AG; Herlinger H; Laufer I:
 pseudomembranes in reflux esophagitis,
Radiology 1986; 159: 43
 Levine MS; Creteur V; Kressel HY; Laufer I;
 Herlinger H: benign gastric ulcers: diagnosis
 and follow-up with double-contrast
 radiography, *Radiology* 1987; 164: 9
 Levine MS; Dillon EC; Saul SH; et al: early
 esophageal cancer, *AJR* 1986; 146: 507
 Levine MS; Drost AT; Herlinger H: annular
 malignancies of the small bowel, *Gastrointest
 Radiol* 1987; 12: 53
 Levine MS; Gasparitis AE: barium filling for
 glucagon-resistant spasm on double-contrast
 barium enema examinations, *Radiology* 1986;
 160: 264
 Levine MS; Gilchrist AM: esophageal deviation:
 pushed or pulled?, *AJR* 1987; 149: 513
 Levine MS; Langer J; Laufer I; et al: radiation
 therapy of esophageal carcinoma: correlation of
 clinical and radiographic findings, *Gastrointest
 Radiol* 1987; 12: 99
 Levine MS; Loevner LA; Saul SH; et al: herpes
 esophagitis: sensitivity of double-contrast
 esophagography, *AJR* 1988; 151: 57
 Levine MS; Moolten DN; Herlinger H; et al:
 esophageal intramural pseudodiverticulosis:
 reevaluation, *AJR* 1986; 147: 1165
 Levine MS; Piccollello ML; Sollenberger LC; et al:
 solitary rectal ulcer syndrome: radiologic
 diagnosis?, *Gastrointest Radiol* 1986; 11: 187
 Levine MS; Rubenstein SE; Herlinger H; Laufer I:
 double-contrast upper gastrointestinal
 examination: technique and interpretation,
Radiology 1988; 168: 393
 Levine MS; Verstandig A; Laufer I: serpinguous
 gastric erosions caused by aspirin and other
 nonsteroidal antiinflammatory drugs, *AJR* 1986;
 146: 31
 Levine MS; Woldenberg R; Herlinger H; Laufer I:
 opportunistic esophagitis in AIDS: radiographic
 diagnosis, *Radiology* 1987; 165: 815
 Levine PA See Paling MR
 Levine PA; McLean WC; Cantrell RW:
 esthesioneuroblastoma: University of Virginia
 experience 1960-1985, (ab), *Radiology* 1987; 163:
 839
 Levine R See Houghton VM
 Levine RA: orbital ultrasonography, *Radiol Clin
 North Am* 1987; 25: 447
 Levine RL See Lagreze HL
 Levinsohn EM See Scalzetti EM
 Levinsohn EM See Westcott JL
 Levinsohn EM; Palmer AK; Coren AB; et al: wrist
 arthrography: the value of the three
 compartment injection technique, *Skeletal
 Radiol* 1987; 16: 539
 Levinsky JS See Simon NV
 Levison DA See Bomanji J
 Levison V: effect on fertility, libido and sexual
 function of post-operative radiotherapy and
 chemotherapy for cancer of the testicle, *Clin
 Radiol* 1986; 37: 161
 Leviton M See Hermann G
 Levitt RG See Glazer HS
 Levitt RG See Greene R
 Levitt RG See Katz ME
 Levitt RG See Rhioli KS
 Levitt RG See Tobler J

- Levitt SH See Brady LW
- Levitt SH See Hasegawa T
- Levitt SH: is there a role for post-operative adjuvant radiation in breast cancer? beautiful hypothesis versus ugly facts: 1987 Gilbert H. Fletcher lecture, *Int J Radiat Oncol Biol Phys* 1988; 14: 787
- Levitt SH; Lee CKK; Aeppli DM; Bloomfield CD: radical treatment of Hodgkin disease with radiation therapy: results of a 15-year clinical trial, the 1985 Erskine Lecture, *Radiology* 1987; 162: 623
- Levitt SH; Potliah RA; Boen JR; et al: effect of definitive irradiation on local control and disease free survival in breast cancer, *Int J Radiat Oncol Biol Phys* 1986; 12: 673
- Levitz GS See Franken EA Jr
- Lev-Toaff AS See Brick SH
- Lev-Toaff AS; Coleman BC; Arger PH; Mintz MC; Arenson RL; Toaff ME: leiomyomas in pregnancy: sonographic study, *Radiology* 1987; 164: 375
- Lev-Toaff AS; Friedman AC; Cohen LM; et al: hepatic infarcts: new observations by CT and sonography, *AJR* 1987; 149: 87
- Lev-Toaff AS; Friedman AC; Rindberg SN; et al: multisepate gallbladder: incidental diagnosis on sonography, *AJR* 1987; 148: 1119
- Lev-Toaff AS; Levine MS; Laufer I; et al: ringlike rectal ulcers after biopsy or polypectomy, *AJR* 1987; 148: 285
- Levy DW See Mintz MC
- Levy DW See Mitchell DG
- Levy DW; Mintz MC: left ventricular echogenic focus: a normal finding, *AJR* 1988; 150: 85
- Levy DW; Rindberg S; Friedman AC; et al: Thorax-induced hepatosplenic neoplasia: CT identification, *AJR* 1986; 146: 997
- Levy E See Joseph N
- Levy GC See Zwerling HK
- Levy HA; Park CH: effect of reserpine on salivary gland radioiodine uptake in thyroid cancer, *Clin Nucl Med* 1987; 12: 303
- Levy HA; Park CH: unilateral thoracic soft-tissue accumulation of bone agent in lung cancer, *J Nucl Med* 1987; 28: 1275
- Levy HM See Hirsch MP
- Levy HM; Dobkin GR; Doublet PM: utility of image-directed Doppler ultrasound in the evaluation of the "parallel channel" sign, *JCU* 1988; 16: 424
- Levy HM; Newhouse JH: MR imaging of portal vein thrombosis, *AJR* 1988; 151: 283
- Levy HM; Smith R: hepatic uptake of technetium-99m diphosphonate in thalassemia major, *Clin Nucl Med* 1986; 11: 1110
- Levy J See Abramson SJ
- Levy J See Premkumar A
- Levy JM See Allen DB
- Levy JM See Russell EJ
- Levy JM; Hessel SJ; Nykamp PW; et al: detection of the cerebral lesions of chlorine intoxication by magnetic resonance imaging, *Magn Res Imag* 1986; 4: 51
- Levy LM; Di Chiro G; Brooks RA; Dwyer AJ; Wener L; Frank J: spinal cord artifacts from truncation errors during MR imaging, *Radiology* 1988; 166: 479
- Levy LM; Di Chiro G; McCullough DC; Dwyer AJ; Johnson DL; Yang SSL: fixed spinal cord: diagnosis with MR imaging, *Radiology* 1988; 169: 773
- Levy M See Beltran J
- Levy M; Dromer F; Brion N; et al: community-acquired pneumonia: importance of initial noninvasive bacteriologic and radiographic investigations, (ab), *Radiology* 1988; 168: 587
- Levy M; Miller DR; Kaufman DW; et al: major upper gastrointestinal tract bleeding: relation to the use of aspirin and other nonnarcotic analgesics, (ab), *Radiology* 1988; 168: 883
- Levy MH; Kozlowski K: cranio-diaphyseal dysplasia (report of a case), *Australas Radiol* 1987; 31: 431
- Levy PJ; Haskell L; Gordon RL: percutaneous transluminal angioplasty of splanchnic arteries: an alternative method to elective revascularization in chronic visceral ischaemia, *Eur J Radiol* 1987; 7: 239
- Levy RM; Rosenbloom S; Perrett LV: neuroradiologic findings in AIDS: review of 200 cases, *AJNR* 1986; 7: 833
- Levy RN See Hermann G
- Levy RP See Marks MP
- Levy T See Mink JH
- Levy TL See Juven JV III
- Lewall DB; Bailey TM; McCorkell SJ: echinococcal matrix: computed tomographic, sonographic, and pathologic correlation, *J Ultrasound Med* 1986; 5: 33
- Lewall DB; McCorkell SJ: rupture of echinococcal cysts: diagnosis, classification, and clinical implications, *AJR* 1986; 146: 391
- Lewall DB; Ofelo S; Bendt B: mycetoma, (ab), *Radiology* 1986; 159: 573
- Lewall DB; Ofelo S; McCorkell SJ: prosthetic heart valve malfunction: plain film findings, *J Canad Assoc Radiol* 1988; 39: 182
- Lewellen TK See Graham MM
- Lewellen TK; Graham MM; Spence AM: quantitative autoradiography using a personal computer, *J Nucl Med* 1986; 27: 549
- Lewi HJE See Mucci B
- Lewin B; Huber DJ; Pillari G; et al: interruption of systemic venous return with portal continuation: assessment using magnetic resonance imaging, *Cardiovasc Intervent Radiol* 1987; 10: 254
- Lewin JS; Rosenfield NS; Hoffer PB; Downing D: acute osteomyelitis in children: combined Tc-99m and Ga-67 imaging, *Radiology* 1986; 158: 795
- Lewin PA: practical aspects of ultrasound dosimetry: hydrophone performance, *Ultrasound Med Biol* 1986; 12: 699
- Lewin PA; Schafer ME; Chivers RC: factors affecting the choice of preamplification for ultrasonic hydrophone probes, *Ultrasound Med Biol* 1987; 13: 141
- Lewinsky BS See Bicher HI
- Lewis AJ See Howard BA
- Lewis AJ See Willinsky RA
- Lewis BD; Doublet PM; Heller VL; et al: cutaneous and visceral hemangiomas in the Klippel-Trenaunay-Weber syndrome: antenatal sonographic detection, *AJR* 1986; 147: 598
- Lewis CA; Smith PG; Stratton IM; et al: estimated radiation doses to different organs among patients treated for ankylosing spondylitis with single course of X rays, *Br J Radiol* 1988; 61: 212
- Lewis CE; Prato FS; Drout DJ; Nicholson RL: comparison of respiratory triggering and gating techniques for the removal of respiratory artifacts in MR imaging, *Radiology* 1986; 160: 803
- Lewis E See Albin J
- Lewis E See Shirkhoda A
- Lewis E; Lee Y-Y: computed tomography findings of severe mineralizing microangiopathy in the brain, *CT* 1986; 10: 357
- Lewis FR See Jeffrey RB Jr
- Lewis GC Jr See Denman DL
- Lewis GP See Bush WH
- Lewis GP See Freeny PC
- Lewis JD See Garvey CJ
- Lewis JM See Hahn FF
- Lewis JW Jr See Pearlberg JL
- Lewis LK; Hinshaw DB Jr; Will AD; et al: CT and angiographic correlation of severe neurological disease in toxemia of pregnancy, *Neuroradiol* 1988; 30: 59
- Lewis MM See Abdelwahab IF
- Lewis P; Psaila JV; Davies WT; et al: measurement of volume flow in the human common femoral artery using a duplex ultrasound system, *Ultrasound Med Biol* 1986; 12: 777
- Lewis R; Wilson J; Smith FW: diabetes insipidus secondary to intracranial sarcoidosis confirmed by low-field magnetic resonance imaging, *Magn Res Med* 1987; 5: 466
- Lewis RR See Padayachee TS
- Lewis RW See Puyau FA
- Lewis TJ See Evans JA
- Lewis TT; Kingsley DPE: magnetic resonance imaging of multiple spinal neurofibromatosis-neurofibromatosis, *Neuroradiol* 1987; 29: 562
- Lewis VD III; Meranze SG; McLean GK; O'Neill JA Jr; Berkowitz HD; Burke DR: mid-aortic syndrome: diagnosis and treatment, *Radiology* 1988; 167: 111
- Lewis-Jones HG See Widdowson DJ
- Lex AM See Jackson VP
- Leyden MJ; Thompson CH; Lichtenstein M; et al: visualization of metastases from colon carcinoma using an iodine-131-radiolabeled monoclonal antibody, (ab), *Radiology* 1986; 161: 282
- Leyhe A: obliterative angiopathy of the digital arteries of the finger in the vibration syndrome, (ab), *Radiology* 1986; 159: 822
- Leymaster CE See Carrasco CR
- Li A See Peck RJ
- Li C-Y See Huang T-Y
- Li C-Y See Shih W-J
- Li DFH See Woo JSK
- Li DFH; Woo JSK: fractional spine length: new parameter for assessing fetal growth, *J Ultrasound Med* 1986; 5: 379
- Li DKB See Koopmans RA
- Li DKB See Robertson WD
- Li DKB; Adams ME; McConkey JP: magnetic resonance imaging of the ligaments and menisci of the knee, *Radiol Clin North Am* 1986; 24: 209
- Li DKB; Cooperberg FL; Graham MF; et al: pseudo-peripneumonia "fluid collections": clue to normal liver and spleen echogenic texture, *J Ultrasound Med* 1986; 5: 397
- Li FC See Smith AS
- Li GC See Wallner KE
- Li JKW; Birch PD; Davies AM: proximal humeral defects in Gaucher's disease, *Br J Radiol* 1988; 61: 579
- Li KC See Glaser GM
- Li KC See Penner MW
- Li KC See Quint LE
- Li KC; Chui MC: conventional and CT metrizamide myelography in Arnold-Chiari I malformation and syringomyelia, *AJNR* 1987; 8: 11
- Li KC; Glaser GM; Quint LE; Francis IR; Alsen AM; Ensminger WD; Bookstein FL: distinction of hepatic cavernous hemangioma from hepatic metastases with MR imaging, *Radiology* 1988; 169: 409
- Li Q-S; Higgs J; Alsen AM; et al: MRI in osteoarthritis of the hip: gradations of severity, *Magn Res Imag* 1988; 6: 229
- Li Q-S; Poon PY: sensitivity and specificity of MRI in detecting malignant spinal cord compression and in distinguishing malignant from benign compression fractures of vertebrae, *Magn Res Imag* 1988; 6: 547
- Li Q-S; Frank TL; Franceschi D; et al: technetium-99m methoxyisobutyl isonitrite (RP30) for quantification of myocardial ischemia and reperfusion in dogs, *J Nucl Med* 1988; 29: 1539
- Li S See Chang W
- Li S See Dong Z-J
- Li V; Turski PA; Levin AB; et al: osmotic disruption of the blood-ocular barriers, *AJNR* 1987; 8: 347
- Liang ST See Woo JSK
- Liano-Lloyd A See Langlois SLP
- Liano F; Matesanz R; Teruel JL; et al: urographic visualization of the native kidneys following renal transplantation: a demonstration of the intact nephron hypothesis, *Br J Radiol* 1988; 61: 235
- Lihanati CR See Gilman V
- Libby C See Sawczuk IS
- Libby JM; Meacham RB; Griffith DP: role of silicone ureteral stents in extracorporeal shock wave lithotripsy of large renal calculi, (ab), *Radiology* 1988; 166: 885
- Libertson RR See Dinamore RE
- Libertino JA See Archibald GR
- Libertino JA; Flam TA; Zimman LN; et al: changing concepts in surgical management of renovascular hypertension, (ab), *Radiology* 1988; 168: 885
- Libnoch JA See Byhardt RW
- Libshitz HI See Holbert BL
- Libshitz HI See Keen SJ
- Libshitz HI See Larson TC III
- Libshitz HI See McKenna RJ Jr
- Libshitz HI See Peuchot M
- Libshitz HI See Thomas AJ
- Libshitz HI: pulmonary metastatic disease: radiologic-surgical correlation: reply, *Radiology* 1988; 167: 284
- Libshitz HI; McKenna RJ Jr; Mountain CF: patterns of mediastinal metastases in bronchogenic carcinoma, (ab), *Radiology* 1987; 162: 884
- Libson E See Bloom RA
- Libson E See Fields SI
- Libson E See Strauss S
- Libson E; Blood RA; Galun E; et al: granulocytic sarcoma (chloroma) of bone: CT appearance, *Comput Radiol* 1986; 4: 175
- Libson E; Bloom RA; Dinari G: evaluation of the excretory urogram in adult enuresis, *Clin Radiol* 1986; 37: 287
- Libson E; Bloom RA; Halperin I; et al: mediastinal lymph node metastases from gastrointestinal carcinoma, (ab), *Radiology* 1987; 164: 881
- Libson E; Bloom RA; Husband JE; et al: metastatic tumours of bones of the hand and foot: a comparative review and report of 43 additional cases, *Skeletal Radiol* 1987; 16: 387
- Libson E; Fields S; Strauss S; Bloom RA; Okon E; Galun E; Pollack A: widespread Castleman disease: CT and US findings, *Radiology* 1988; 166: 753
- Libson E; Fields SI; Uziel B; et al: traumatic closed iliac bone biopsy defect simulating involvement by Hodgkin's disease, *Comput Med Imag Graph* 1988; 12: 187
- Libson K See Maxon HR
- Lichtenstein JE See Arborea JL
- Lichtenstein JE See Dachman AH
- Lichtenstein JE See Mulligan ME
- Lichtenstein JE See Ros PR
- Lichtenstein JE: radiologic-pathologic correlation of inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 3
- Lichtenstein JE; Fitzpatrick JJ; Madewell JE: role of radiology in fatality investigations, *AJR* 1988; 150: 751
- Lichtenstein M See Leyden MJ
- Lichtenstein M See Salehi N
- Lichter AS See Fraas BA
- Lichter AS; Ozols RF; Myers CC; et al: treatment of advanced stage ovarian carcinoma with a combination of chemotherapy, radiotherapy, and radiosensitizer: report of a pilot study from the National Cancer Institute, *Int J Radiat Oncol Biol Phys* 1987; 13: 1225

Lichtman

- Lichtman AH See Wang A-M
Lichtman JB See Soffer O
Lichtman JB; Kibble MR: detection of intracranial arteriovenous malformation by Doppler ultrasound of the extracranial carotid circulation, *J Ultrasound Med* 1987; 6: 609
Lichtman JB; Varma VA: ultrasound demonstration of xanthogranulomatous cholecystitis, *JCU* 1987; 15: 342
Liddell H See Jagtvan B
Liddell HT; McDougal WS; Burks DD; et al: ultrasound versus digitally directed prostatic needle biopsy, (ab), *Radiology* 1986; 160: 858
Liddell R See Ikeda DM
Lidgren L See Egund N
Lidgren L See Herrlin K
Lidov H See Bundy AL
Lidz CW; Appelbaum PS; Miesel A: two methods of implementing informed consent, (ab), *Radiology* 1988; 169: 296
Lie JT See Lischer TF
Lie JT; Berg KK: isolated fibromuscular dysplasia of the coronary arteries with spontaneous dissection and myocardial infarction, (ab), *Radiology* 1988; 166: 294
Lieber A See Shih W-J
Lieber MM See Remark RR
Lieberman DA See Brown PH
Lieberman DA See Keefe EB
Lieberman JM See Yulish BS
Lieberman LM See Dosoretz C
Lieberman RP See Johnson RL
Lieberman RP See Williams SM
Lieberman RP; Hahn FJ; Imray TJ; Phalen JT: loculated abscesses: management by percutaneous fracture of septations, *Radiology* 1986; 161: 827
Lieberman RP; Kaplan PA: superficial peroneal nerve block for leg venography, *Radiology* 1987; 165: 578
Lieberman RP; Nance PN; Cuka DJ: anterior approach to celiac plexus block during interventional biliary procedures, *Radiology* 1988; 167: 562
Lieberman RP; Sleder PR: pain control after percutaneous biliary drainage: local infiltration with bupivacaine and epinephrine, *AJR* 1986; 146: 595
Lieberman S: aids to radiological differential diagnosis, *Radiology* 1986; 161: 408
Lieberman A See Millman AL
Lieberman CE; Messersmith RN; Levin DN; et al: MR imaging of inferior vena caval filters: safety and artifacts, *AJR* 1988; 150: 1174
Liedberg J See Westesson P-L
Lien J-C See Venot A
Lien HH See Blomlie V
Lien HH See Kullmann G
Lien HH See von Krogh J
Lien HH; Lindsköld L; Stenwig AE; et al: shape of retroperitoneal lymph nodes at computed tomography does not correlate to metastatic disease in early stage non-seminomatous testicular tumors, *Acta Radiol* 1987; 28: 271
Lien HH; Stenwig AE; Ous S; et al: influence of section spacing on reliability of abdominal computed tomography in early stage non-seminomatous testicular tumor, *Acta Radiol* 1987; 28: 169
Lipman M See Waite RJ
Liewendahl K See Karonen S-L
Liewendahl K See Syrjala MT
Lifshitz F See Cervantes CD
Lifshitz T See Hirsch M
Ligeti L See Osbakken M
Ligeti L; Osbakken MD; Subramanian HV; et al: ³¹P and ¹H NMR spectroscopy to study the effects of Gallopamil on brain ischemia, *Magn Res Med* 1987; 4: 441
Ligetti L See Eleff SM
Liggett PE See Luxton G
Light MC; Molloy SY; Yandow DR; Ranallo FN: scatter radiation exposure during knee arthrography, *Radiology* 1987; 164: 867
Lightner M See Woods D
Lightfoot DA See Stanton L
Lightman S See Frank JA
Ligutic I See Belenaki N
Liljequist B See Fagerlund M
Lilleas F; Bach-Gansmo T; Weber H: lumbar myelography with Omnipaque (iohexol), *Neuroradiol* 1986; 28: 344
Lillehei CW See Hoffer FA
Lilliecrap S; Scott J: trabecular bone mineral density measurement in vivo, *Radiology* 1988; 166: 283
Lim C See Mirvis SE
Lim GHK: venous angioma of the brain: CT and angiographic diagnosis, *Australas Radiol* 1987; 31: 236
Lim JH; Ko YT; Han MC; et al: inferior accessory hepatic fissure: sonographic appearance, *AJR* 1987; 149: 495
Lim JH; Ko YT; Kim SY: ultrasound changes of the gallbladder wall in cholecystitis: a sonographic-pathological correlation, *Clin Radiol* 1987; 38: 389
Lim JH; Yoon Y; Lee SW; et al: superior aspect of the perirenal space: anatomy and pathological correlation, *Clin Radiol* 1988; 39: 568
Lim TH; Chang KH; Han MC; et al: pituitary atrophy in Korean (epidemic) hemorrhagic fever: CT correlation with pituitary function and visual field, *AJNR* 1986; 7: 633
Lim TH; Lee JS; Choi BI; et al: explanation of renal hemodynamics in acute renal failure based on sequential CT in patients with Korean hemorrhagic fever, *JCAT* 1987; 11: 474
Lima S See Uflacker R
Limacher M See Akina EW
Limas E See Castaneda F
Limberg B See Raeth U
Liming J See Yujin W
Limpert JD See Vogelzang RL
Limpert JD; Vogelzang RL; Yao JST: computed tomography of aortic atherosclerosis, (ab), *Radiology* 1988; 166: 293
Lin AE; Di Sessa TG; Williams RG: balloon and blade atrial septostomy facilitated by two-dimensional echocardiography, (ab), *Radiology* 1986; 161: 285
Lin DS See Shukla LW
Lin DS: "hot" patella on bone images, *Semin Nucl Med* 1986; 16: 218
Lin DS: hypervascularity on cerebral radionuclide angiogram, *Semin Nucl Med* 1986; 16: 74
Lin DS: hypovascularity on cerebral radionuclide angiogram, *Semin Nucl Med* 1986; 16: 77
Lin DS: increased uptake in the lower neck on bone images, *Semin Nucl Med* 1988; 18: 167
Lin DS: uniappendicular increased uptake in bone imaging, *Semin Nucl Med* 1988; 18: 165
Lin D-Y See Lee C-M
Lin F-C See Chiang C-W
Lin H-P See Nuruddin RN
Lin JC See Papp MA
Lin JCT See Wang A-M
Lin J-T See Sheu J-C
Lin MS; Fletcher JW; Donati RM: two-point T₁ measurement: wide-coverage optimizations by stochastic simulations, *Magn Res Med* 1986; 3: 518
Lin MS; Fletcher JW; Herbig FK; et al: numerical T₁ computation from NMR intensity ratios, *Magn Res Med* 1986; 4: 311
Lin P-JP; Hrejsa AF: patient exposure and radiation environment of an extracorporeal shock wave lithotripter system, (ab), *Radiology* 1988; 167: 293
Lin P-S; Wu A; Ho K-C: stability of heating temperature on cytotoxicity, *Int J Radiat Oncol Biol Phys* 1987; 13: 1869
Linares LA See Heelan RT
Lind B See Brahme A
Lind LJ; Mushlin PS: sedation, analgesia, and anesthesia for radiologic procedures, *Cardiovasc Intervent Radiol* 1987; 10: 247
Lind S See Greene R
Lindahl S See Berlin O
Lindahl S: computed tomography of intraorbital foreign bodies, *Acta Radiol* 1987; 28: 235
Lindberg H See Smevik B
Lindberg H; Smevik B; Bjørnstad PG; et al: balloon dilatation of pulmonary artery banding in dogs: an experimental study, *Cardiovasc Intervent Radiol* 1988; 11: 150
Lindberg RD; Jones K; Garner HH; et al: evaluation of unplanned interruptions in radiotherapy treatment schedules, *Int J Radiat Oncol Biol Phys* 1988; 14: 811
Linde R; Basso L: Hodgkin's disease with hypercalcemia detected by thallium-201-scintigraphy, *J Nucl Med* 1987; 28: 112
Lindeke CC See Nordstrom LA
Lindell MM Jr; Shirkhoda A; Raymond AK; et al: parosteal osteosarcoma: radiologic-pathologic correlation with emphasis on CT, *AJR* 1987; 148: 323
Linden H See Ahovuo J
Lindenberger R See Kumar A
Lindequist S See Hougard K
Lindequist S; Larsen CF: radiography of the carpal scaphoid: experimental investigation evaluating the use of oblique projections, *Acta Radiol* 1986; 27: 97
Linder B See Mafee MF
Linder B See Wilbur AC
Linder B; Campos M; Schafer M: CT and MRI of orbital abnormalities in neurofibromatosis and selected craniofacial anomalies, *Radiol Clin North Am* 1987; 25: 787
Linder J; Olsen GA; Johnston WW: fine-needle aspiration biopsy of the mediastinum, (ab), *Radiology* 1987; 164: 291
Linders HR See Krapf R
Lindfors KK See Hartling RP
Lindfors KK See McGahan JP
Lindfors KK See Meyer JE
Lindfors KK; Kopans DB; McCarthy KA; et al: breast cancer metastasis to intramammary lymph nodes, *AJR* 1986; 146: 133
Lindfors KK; McGahan JP; Tennant FP; et al: midline screening for open neural tube defects: correlation of sonography with amniocentesis results, *AJR* 1987; 149: 141
Lindfors KK; McGahan JP; Walter JP: fetal omphalocele and gastroschisis: pitfalls in sonographic diagnosis, *AJR* 1986; 147: 797
Lindgren S See Ekberg O
Lindgren U See Eriksson S
Lindheimer MD See Greenberg M
Lindholm TS See Hoikka V
Lindholm TS See Tallroth K
Lindley SG See Seibert JJ
Lindner A See Golomb J
Lindroth M See Mortenson W
Lindsay D See Hughes CF
Lindsay DJ See Dashefsky SM
Lindsay DJ See Levi CS
Lindsell DRM See Cadman PJ
Lindsell DRM See Mendelson RM
Lindsköld L See Lien HH
Lindsay HB; Dmet AA; Neff JR: ankylosing spondylitis presenting as juxta-articular masses in females, *Skeletal Radiol* 1987; 16: 142
Lindstrom C See Ekberg O
Line BR See Hack SN
Linell F; Tengrup I; Tennvall-Nitthy L; et al: modified histologic classification for carcinoma of the breast: prognostic value and relation to effect of adjuvant oophorectomy, *Acta Oncol* 1987; 26: 343
Lineman R See Van De Bor M
Lines M See Kapila A
Linetsky L See Daffner RH
Linetsky L See Kopans DB
Linetsky L See Oestmann JW
Ling CC See Schell MC
Ling CC; Huang DY; Barnett C; et al: improved dose distribution with customized I-125 source loading in temporary interstitial implants, *Int J Radiat Oncol Biol Phys* 1988; 15: 769
Ling CC; Schell MC; Working KR; et al: CT-assisted assessment of bladder and rectum dose in gynecological implants, *Int J Radiat Oncol Biol Phys* 1987; 13: 1577
Ling D See Biondetti PR
Ling D See Chang A
Ling D See McClellan BL
Ling D See Rholl KS
Ling D See Tackett RE
Ling D See van der Vliet AH
Ling D See Worthington JL
Ling D; Lee JKT; Heiken JP; Balfe DM; Glazer HS; McClellan BL: prostatic carcinoma and benign prostatic hyperplasia: inability of MR imaging to distinguish between the two diseases, *Radiology* 1986; 158: 103
Ling LL; Streffer C; Sutherland R: decreased hypoxic toxicity and binding of misonidazole by low glucose concentration, *Int J Radiat Oncol Biol Phys* 1986; 12: 1231
Ling M See Peck WW
Ling MCC; Dake MD; Okerlund MD: gallium uptake in the thyroid gland in amiodarone-induced hyperthyroidism, *Clin Nucl Med* 1988; 13: 258
Linga NR See Haacke EM
Lingeman JE See Kahnoski RJ
Lingeman JE See Knapp PM
Lingeman JE See Newman DM
Lingeman JE; Coury TA; Newman DM; et al: comparison of results and morbidity of percutaneous nephrostolithotomy and extracorporeal shock wave lithotripsy, (ab), *Radiology* 1988; 166: 909
Lingeman JE; Newman D; Mertz JH; et al: extracorporeal shock wave lithotripsy: Methodist Hospital of Indiana experience, (ab), *Radiology* 1986; 161: 859
Lingeman JE; Shirrell WL; Newman DM; et al: management of upper ureteral calculi with extracorporeal shock wave lithotripsy, (ab), *Radiology* 1988; 167: 292
Lingeman JE; Sonda LP; Kohneski RJ; et al: ureteral stone management: emerging concepts, (ab), *Radiology* 1986; 161: 859
Link DF See Parsons GH
Link KM; Herrera MA; D'Souza VJ; Formanek AG: reconstruction of the four basic cardiac projections from magnetic resonance images: a new aspect, *Radiographics* 1988; 8: 1109
Link KM; Herrera MA; D'Souza VJ; et al: MR imaging of Ebstein anomaly: results in four cases, *AJR* 1988; 150: 363
Linker D See Biernacki HJ
Linkhart TA See Vyhmeister NR
Linkowski G See Filly RA
Linkowski GD See Gooding GAW
Linkowski GD; Warvariv V; Filly RA; et al: renal angiography in the diagnosis of acute renal allograft rejection and cyclosporine nephrotoxicity, *AJR* 1987; 148: 291
Links JM See Geckle WJ
Links JM See Graham MM
Links JM See Laube BL
Lins E See Roosen N
Linscheid RL See Reaboth JW
Linsman J See Bassett LW

- Linstadt D; Blakely E; Phillips TL; et al: radionuclide produced by iododeoxyuridine with high linear energy transfer heavy ion beams, *Int J Radiat Oncol Biol Phys* 1988; 15: 703
- Linstadt D; Char DH; Castro JR; et al: vision following helium ion radiotherapy of uveal melanoma: a Northern California Oncology Group study, *Int J Radiat Oncol Biol Phys* 1988; 15: 347
- Linstadt D; Quivey JM; Castro JR; Andejski Y; Phillips TL; Hannigan J; Gribble M: comparison of helium-ion radiation therapy and split-course megavoltage irradiation for unresectable adenocarcinoma of the pancreas: final report of a Northern California oncology group randomized prospective clinical trial, *Radiology* 1988; 168: 261
- Linstadt D; Wara WM; Edwards MSB; et al: radiotherapy of primary intracranial germinomas: the case against routine craniospinal irradiation, *Int J Radiat Oncol Biol Phys* 1988; 15: 291
- Linton OW: Medicare amendments change teaching hospital reimbursement, *Radiology* 1986; 161: 567
- Lintott D See Bulgum O
- Lipavsky A See Huchon GJ
- Lipchik EO See Foley WD
- Lipchik EO See Larson PA
- Lipchik EO See Messwein MW
- Lipchik EO; Kaebnick HW; Beres JJ; et al: role of arteriography in acute penetrating trauma to the extremities, *Cardiovasc Intervent Radiol* 1987; 10: 202
- Lipchik EO; Sugimoto H: percutaneous brachial artery catheterization, *Radiology* 1986; 160: 842
- Lipert K See Langlois SLP
- Lipinski JK; Rao CR: ultrasound diagnosis of a benign calcified testicular mass: report of a case, *J Canad Assoc Radiol* 1986; 37: 112
- Lipinski JK; Cremin BJ: ultrasound and computed tomography of the infant brain: clinical comparison, *Clin Radiol* 1986; 37: 365
- Lipkin AF; Coker NJ; Jenkins HA: hereditary congenital cholesteatoma: a variant of branchio-oto dysplasia, (ab), *Radiology* 1987; 164: 591
- Lipkowitz GS See Glanz S
- Lipman B; Palmer D; Noble J; et al: effect of lumbar puncture on flow of cerebrospinal fluid, *Invest Radiol* 1988; 23: 359
- Lipman BT See Beyer GA
- Lipman BT; Haughton VM: brain beta-endorphin and spinal-cord enkephalin concentrations in experimental arachnoiditis, *Invest Radiol* 1987; 22: 197
- Lipman BT; Haughton VM: diminished cerebrospinal fluid beta-endorphin concentration in monkeys with arachnoiditis, *Invest Radiol* 1988; 23: 190
- Lipman JC; Loughlin KR; Richie JP; et al: unusual solitary soft tissue metastases from renal cell carcinoma, *Urol Radiol* 1988; 10: 110
- Lipman JC; Loughlin KR; Tumeik SS: bilateral renal masses in a pregnant patient with tuberous sclerosis, *Invest Radiol* 1987; 22: 912
- Lipman JC; Stomper PC; Kaplan WD; et al: detection of hepatic metastases in diffuse fatty infiltration by CT: the complementary role of imaging, *Clin Nucl Med* 1988; 13: 602
- Lipman JC; Wang A-M; Brooks ML; et al: seizure after intrathecal administration of loperamide, *AJNR* 1988; 9: 787
- Lipman S See Joseph N
- Lipper E See Lee BCP
- Lipper MH See Jensen ME
- Lipper MH See Smithson LV
- Lippert MC See Carey PO
- Lippert MC See Kellum CD
- Lippert MC See Tegtmeyer CJ
- Lippi F See Ceccarelli C
- Lippi F See Pacini F
- Lippman HR See Haden HT
- Lippman M See DeVita VT
- Lipp-Zwahlen AE; Deonna T; Chrzanowski R; et al: temporal evolution of hypoxic-ischaemic brain lesions in asphyxiated full-term newborns as assessed by computerized tomography, (ab), *Radiology* 1986; 158: 862
- Lippsett JA See Desai KR
- Lippsett JA See Pezner RD
- Lipshitz HI See Holbert JM
- Lipsky BA; Boyko EJ; Inui TS; et al: risk factors for acquiring pneumococcal infections, (ab), *Radiology* 1987; 163: 587
- Lipstein R See Kalnicki S
- Lipton HL See Woodward KG
- Lipton MJ See Bouchard A
- Lipton MJ See Branch RC
- Lipton MJ See Dery R
- Lipton MJ See Diethelm L
- Lipton MJ See Gooding GAW
- Lipton MJ See Gould RG
- Lipton MJ See Kersting-Sommerhoff BA
- Lipton MJ See Shapiro LG
- Lipton MJ See White RD
- Lipton MJ: quantitation of left ventricular anatomy and function by ultrafast CT, *Cardiovasc Intervent Radiol* 1987; 10: 348
- Lipuma JP See Bryan PJ
- Lipuma JP See Goldberg REA
- Lisak RP See Grossman RI
- Lisann NM See Divgi CR
- Lisann NM; Palestro CJ; Benua RS: technetium-99m RBC venography revealing bilateral iliac vein obstruction, *Clin Nucl Med* 1986; 11: 598
- Lisann NM; Palestro CJ; Novich IS; et al: gallbladder visualization on a technetium-99m MDP bone scan, *Clin Nucl Med* 1986; 11: 57
- Lisann NM; Yankelevitz DF; Castronuovo J; et al: technetium-99m MDP activity in unsuspected necrotizing fasciitis, *Clin Nucl Med* 1986; 11: 218
- Lisbona R; Dean GW; Hakim TS: observations with SPECT on the normal regional distribution of pulmonary blood flow in gravity independent planes, *J Nucl Med* 1987; 28: 1758
- Lisbona R; Mishkin S; Derbeyan V; et al: role of scintigraphy in focally abnormal sonograms of fatty livers, *J Nucl Med* 1988; 29: 1050
- Lisbona R; Rush CL; Derbeyan V; et al: radiocolloid liver imaging in hepatic steatosis, *Clin Nucl Med* 1986; 11: 183
- Lisbona R; Rush CL; Lepanto L: technetium-99m red blood cell venography of the lower limb in symptomatic pulmonary embolization, *Clin Nucl Med* 1987; 12: 93
- Liskow A; Chang CH; DeSanctis P; et al: epidural cord compression in association with genitourinary neoplasms, (ab), *Radiology* 1987; 162: 888
- List AR: radiologic manipulation of dislodged Tenckhoff dialysis catheters, *Australas Radiol* 1987; 31: 421
- Lister JE; Kane GJ; Ehrmann RL; et al: ultrasound appearance of adenomyosis mimicking adenocarcinoma in a postmenopausal woman, *JCU* 1988; 16: 519
- Lister-James J See Holman BL
- Listerud J See Axel L
- Listinsky J: MCQ's in radiology, *Radiology* 1986; 158: 558
- Listinsky JJ: anatomy workbook, *Radiology* 1987; 164: 78
- Listinsky JJ: essentials of radiology physics, *Radiology* 1986; 160: 542
- Listinsky JJ: functional studies using NMR, *Radiology* 1988; 166: 894
- Listinsky JJ: use of transrectal ultrasound in the diagnosis and management of prostate cancer, vol. 237, progress in clinical and biological research, *Radiology* 1988; 169: 366
- Listinsky JJ; Steiner E; Philbrick A; Poster R: radiology review cards, *Radiology* 1986; 161: 670
- Listinsky JL; Wood BP; Ekholm DE: parietal osteomyelitis and epidural abscess: delayed complication of fetal monitoring, *Pediatr Radiol* 1986; 16: 150
- Listrom MB; Davis M; Lowry S; et al: intussusception secondary to squamous carcinoma of the lung, *Gastrointest Radiol* 1988; 13: 224
- Liszczak TM See Pile-Spellman JMD
- Litman H See McCullough RW
- Litt AW See Zerhouni EA
- Litt L See Mills P
- Litt L; Gonzalez-Mendez R; Weinstein PR; et al: in vivo ³¹P NMR study of cerebral hypoxic hypoxia in rats, *Magn Res Med* 1986; 3: 619
- Little AG; Naunheim KS; Ferguson MK; et al: surgical management of esophageal strictures, (ab), *Radiology* 1988; 168: 586
- Little CM; Parker MG; Callowick MC; et al: ultrasonic detection of soft tissue foreign bodies, *Invest Radiol* 1986; 21: 275
- Little KET See Stenden RJ
- Littlefield J See Unger E
- Littlefield JL See Unger EC
- Littlejohn G See Doyle TCA
- Littlejohn GO See Lau LSW
- Littleton JT See Jackson GD
- Littleton JT See Zylak CJ
- Littleton JT: conventional tomography in perspective—1985, *Radiographics* 1986; 6: 336
- Littleton JT: pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study, *Radiology* 1987; 162: 288
- Littleton RH; Cerny JC; Miles B: use of occlusion balloon catheter in percutaneous renal stone extraction, (ab), *Radiology* 1986; 161: 859
- Littman P See Curran WJ Jr
- Littman P See Straus KL
- Littman P; Coccia P; Bleyer WA; et al: central nervous system (CNS) prophylaxis in children with low risk acute lymphoblastic leukemia (ALL), *Int J Radiat Oncol Biol Phys* 1987; 13: 1443
- Littman PA See Packer RJ
- Litttrup PJ See Lee F
- Litttrup PJ See Torp-Pedersen ST
- Litttrup PJ; Lee F; McLeary RD; Wu D; Lee A; Kamasawa GH: transectal US of the seminal vesicles and ejaculatory ducts: clinical correlation, *Radiology* 1988; 168: 625
- Litvan I; Roig C; Rovira A; et al: Behcet's syndrome masquerading as tumor, *Neuroradiol* 1987; 29: 103
- Litwin M See Bundy AL
- Litwin MS See Browder W
- Litwin SB See Wells RG
- Liu D See See G
- Liu E See Cochran ST
- Liu F-F; Clark RM: primary lymphoma of the breast, *Clin Radiol* 1986; 37: 567
- Liu GC See Reifsteck JE
- Liu G-C; Angtuaco TL; Ferris EJ; Shah HR; Reifsteck JE; Harshfield DL: inferior vena caval filters: noninvasive evaluation, *Radiology* 1986; 160: 521
- Liu G-C; Ferris EJ; Reifsteck JE; et al: effect of anatomic variations on deep venous thrombosis of the lower extremity, *AJR* 1986; 146: 845
- Liu G-C; Shah HR; Sharma B; et al: aortic dissection, a diagnostic dilemma: case report, *Cardiovasc Intervent Radiol* 1987; 10: 138
- Liu H-M; Yang WC; Garcia RL; et al: intraspinal primitive neuroectodermal tumor arising from the sacral spinal nerve root, *CT* 1987; 11: 350
- Liu HTH See Lee KH
- Liu J; Hudkins PG; Sweet RG; et al: bone sarcoma associated with Ollier's disease, (ab), *Radiology* 1987; 165: 589
- Liu J; Mena I; McCartney S: does positive hepatobiliary scan in cholecystitis stay positive, and for how long?, *Clin Nucl Med* 1986; 11: 694
- Liu J; Vasavada PJ; Gerson MC; et al: detection of an apico-aortic conduit by radionuclide ventriculography, *Clin Nucl Med* 1987; 12: 827
- Liu P See Johnston DL
- Liu P See Stringer DA
- Liu P; Daneman A; Stringer DA; et al: computed tomography of hemangiomas and related soft-tissue lesions in children, *J Canad Assoc Radiol* 1986; 37: 248
- Liu P; Daneman A; Stringer DA; et al: pancreatic cysts and calcification in cystic fibrosis, *J Canad Assoc Radiol* 1986; 37: 279
- Liu P; Daneman A; Stringer DA: real-time sonography of mediastinal and juxtamediastinal masses in infants and children, *J Canad Assoc Radiol* 1988; 39: 198
- Liu R-S; Chen C-Y; Yeh S-H: unusual demonstration of supernumerary bronchial lobe by pulmonary imaging, *Clin Nucl Med* 1986; 11: 438
- Liu R-S; Chou C-S; Yeh S-H: three-phase bone scintigraphy in Pellegri-Stieda disease, *Clin Nucl Med* 1987; 12: 47
- Liu R-S; Yen T-C; Kuo S-J; et al: retroanastomotic herniation mimicking biliary leakage in a cholecystographic pattern, *Clin Nucl Med* 1987; 12: 673
- Liu YH See Lui CC
- Liu Y-H; Hoffman EA; Ritman EL: measurement of three-dimensional anatomy and function of pulmonary arteries with high-speed x-ray computed tomography, *Invest Radiol* 1987; 22: 28
- Liu Y-m See Lawson JP
- Livanios E; Evangelatos GF; Ithakissios DS: radioiodinated biotin derivatives for in vitro radioassays, *J Nucl Med* 1987; 28: 1430
- Livesay JJ; Cooley DA; Hallman GL; et al: early and late results of coronary endarterectomy: analysis of 3,369 patients, (ab), *Radiology* 1987; 164: 885
- Livingston RB See Mira JC
- Livingston RR See Acheson MB
- Livingston RR See Stimac GK
- Livingstone AS See Gordon SC
- Livni E See Jones GS Jr
- Livni E; Spellman JP; Correia JA; et al: [¹¹C]MPTP: potential tracer for Parkinson's disease research in laboratory animals, *J Nucl Med* 1986; 27: 1600
- Livolsi V See Mitchell DG
- Livolsi VA See Geffer WB
- Livraghi T; Festi D; Monti F; Salmi A; Vettori C: US-guided percutaneous alcohol injection of small hepatic and abdominal tumors, *Radiology* 1986; 161: 309
- Livraghi T; Salmi A; Bolondi L; Marin G; Arienti V; Monti F; Vettori C: small hepatocellular carcinoma: percutaneous alcohol injection—results in 23 patients, *Radiology* 1988; 168: 313

- Liwnicz BH; Mouradian MD; Ball JB Jr: intense brain cortical enhancement on CT in laminar necrosis verified by biopsy, *AJNR* 1987; 8: 157
- Lizama VA; Zerbini MA; Gagliardi RA; et al: popliteal vein thrombosis and popliteal artery pseudoaneurysm complicating osteochondroma of the femur, *AJRM* 1987; 148: 783
- Lizzadro G See Selli C
- Lizzi FL See Coleman DJ
- Lizzi FL See Feleppa EJ
- Lizzi FL See Silverman RH
- Lizzi FL; Kling DL; Rorke MC; et al: comparison of theoretical scattering results and ultrasonic data from clinical liver examinations, *Ultrasound Med Biol* 1988; 14: 377
- Lizzi FL; Ostromogilsky M: analytical modelling of ultrasonically induced tissue heating, *Ultrasound Med Biol* 1987; 13: 607
- Ljungberg B See Ekelund L
- Ljungberg B See Hietala S-O
- Ljungberg O See Andersson I
- Llauger J See Mata JM
- Llauger J See Perez C
- Llauger J; Pérez C; Andreu J; et al: psos abscess demonstrated by CT as the first absence of carcinoma of the colon, *Comput Radiol* 1987; 11: 259
- Llauro JD See Jackson RL
- Llauro JD See McNeill JA
- Llewellyn CG; Campbell DR; Quartey GRC: case report: intracranial subdural hematoma complicating metrizamide myelography, *J Canad Assoc Radiol* 1988; 39: 230
- Llewellyn HJ See Oestmann JW
- Llopert-Buñán E See Muñoz-Gómez J
- Lloyd BL See Antico VF
- Lloyd GAS See Phelps PD
- Lloyd GAS: cholesterol granuloma of the facial skeleton, *Br J Radiol* 1986; 59: 481
- Lloyd GAS; Lund VJ; Phelps PD; et al: magnetic resonance imaging in the evaluation of nose and paranasal sinus disease, *Br J Radiol* 1987; 60: 957
- Lloyd GAS; Phelps PD: demonstration of tumours of the parapharyngeal space by magnetic resonance imaging, *Br J Radiol* 1986; 59: 675
- Lloyd GAS; Phelps PD: juvenile angiofibroma: imaging by magnetic resonance, CT and conventional techniques, (ab), *Radiology* 1987; 162: 887
- Lloyd TV See Maves MD
- Lloyd WE See Rollins DL
- Lloyd-Smith DR See Ammann W
- Lluncor E See Tihansky DP
- Lo K; Fletcher GH; Byers RM; et al: results of irradiation in the squamous cell carcinomas of the anterior faucial pillar-retromolar trigone, *Int J Radiat Oncol Biol Phys* 1987; 13: 969
- Lo RK See Seidenwurm D
- Lo RLS See Woo JSK
- Lo RNS; Leung MP; Lau KC: demonstration of ascending aorta in hypoplastic left heart syndrome with aortic atresia by balloon occlusion aortography, *Pediatr Radiol* 1987; 17: 370
- Lo S-C; Huang HK: compression of radiological images with 512, 1,024, and 2,048 matrices, *Radiology* 1986; 161: 519
- Lo S-CB; Taira RK; Mankovich NJ; et al: performance characteristics of a laser scanner and laser printer system for radiological imaging, *Comput Radiol* 1986; 4: 222
- Lo TCM; Healy WL; Covall DJ; Dotter WE; Pfeiffer BA; Torgerson WR; Wasilewski SA: heterotopic bone formation after hip surgery: prevention with single-dose postoperative hip irradiation, *Radiology* 1988; 168: 851
- Lo WWM See Gherini SG
- Lo WWM; Horn KL; Carberry JN; Solit-Bohman LG; Wade CT; Brackmann DE; Waluch V: intratemporal vascular tumors: evaluation with CT, *Radiology* 1986; 159: 181
- Loaiza FL See Edelman RR
- Locatelli D See Cecchini A
- Locatelli D; Messina AL; Ricevuti G; et al: superficial temporal artery aneurysms, *J Neurosurg* 1988; 15: 89
- Lochner B See Bohndorf K
- LoCicero J III See Kuchich VA
- Lock JE See Nancarrow PA
- Lockhart CG See Backer CL
- Lockhart SH See Jagannath AS
- Lockhart SP; Down JD; Steel GG: effect of low dose-rate and cyclophosphamide on the radiation tolerance of the mouse lung, *Int J Radiat Oncol Biol Phys* 1986; 12: 1437
- Lockton JA; Thatcher N: retrospective study of thirty-two patients with small-cell bronchogenic carcinoma and inappropriate secretion of antidiuretic hormone, *Clin Radiol* 1986; 37: 47
- Lockwood C See Goldstein I
- Lockwood C; Ghidini A; Romero R; et al: fetal bowel perforation simulating sacrococcygeal teratoma, *J Ultrasound Med* 1988; 7: 227
- Lodge JPA; Brennan TG; Chapman AH: heterotopic gastric mucosa presenting as small-bowel obstruction, *Br J Radiol* 1987; 60: 710
- Lodwick GS See Wang Y
- Loeb M See Host H
- Loeffler JS; Kretschmar CS; Sallan SE; et al: pre-radiation chemotherapy for infants and poor prognosis children with medulloblastoma, *Int J Radiat Oncol Biol Phys* 1988; 15: 177
- Loeffler JS; Tarbell NJ; Garber JR; et al: development of Graves' disease following radiation therapy in Hodgkin's disease, *Int J Radiat Oncol Biol Phys* 1988; 14: 175
- Loening SA See Kramolowsky EV
- Loes DJ See Conrad GR
- Loes DJ; Smoker WRK; Biller J; et al: nontraumatic lobar intracerebral hemorrhage: CT/angiographic correlation, *AJNR* 1987; 8: 1027
- Loevinger E; Schabel SJ; Davis CS III; et al: case report 385, *Skeletal Radiol* 1986; 15: 492
- Loevner LA See Levine MS
- Loew FM: using animals in research: what's going on here?, *Invest Radiol* 1987; 22: 69
- Loewenthal E See Wessler Z
- Loewinger E See Wessler Z
- Loewy J; O'Broovich H; Coates G: ventilation scintigraphy with submicron radioaerosol as an adjunct in the diagnosis of congenital lobar emphysema, *J Nucl Med* 1987; 28: 1213
- Loewy JA; Richards DG; Toi A: in-utero diagnosis of the caudal regression syndrome: report of three cases, *JCU* 1987; 15: 469
- Löfgren M; Andersson J; Bondeson L; et al: x-ray guided fine-needle aspiration for the cytologic diagnosis of nonpalpable breast lesions, (ab), *Radiology* 1988; 168: 288
- Loflin TG See Keller FS
- Logan H See Owens AP
- Logan K See Kloiber R
- Logan KW; Volkert WA; Holmes RA: radiation dose calculations in persons receiving injection of samarium-153 EDTMP, *J Nucl Med* 1987; 28: 505
- Logan WW: radiologists' roles in mammography: reply, *Radiology* 1988; 169: 873
- Logan WW: rights, roles, and relationships in radiology, *Radiology* 1988; 167: 580
- Logan WW; Janus J: use of special mammographic views to maximize radiographic information, *Radiol Clin North Am* 1987; 25: 953
- Loginsky SJ See Jafri SZH
- Logsdail S; Miller D; Macmanus D; et al: effect of moderate blood alcohol levels on T₁ and T₂ relaxation times in the brains of normal volunteers, *Magn Res Med* 1987; 4: 378
- Logsdon GA See Zajko AB
- Loh F See Shih W-J
- Loh F-G See Shih W-J
- Loh JP See Price DB
- Lohela P See Siniluoto T
- Lohman JAB See Jue T
- Lohman JAB; Ordridge RJ; Connolly A: spin echo imaging of multiple chemical shifts, *Magn Res Med* 1987; 3: 83
- Lohr D See Patterson J
- Lois JF See Gomes AS
- Lois JF See Smith DC
- Lois JF; Gomes AS; Grace PA; et al: risks of percutaneous transhepatic drainage in patients with cholangitis, *AJR* 1987; 148: 367
- Lois JF; Gomes AS; Pusey E: nonsurgical repositioning of central venous catheters, *Radiology* 1987; 165: 329
- Lois JF; Gomes AS; Smith DC; Laks H: systemic-to-pulmonary collateral vessels and shunts: treatment with embolization, *Radiology* 1988; 169: 671
- Lois JF; Mankovich NJ; Gomes AS: blood flow determinations utilizing digital densitometry, *Acta Radiol* 1987; 28: 635
- Loisance D See Mathieu D
- Lok AS-F; Wong K-P; Lee P-K; et al: radiological diagnosis of leiomyosarcoma of the inferior vena cava, *Clin Radiol* 1986; 37: 403
- Loken M See Zhang G
- Loken MK See Boudreau RJ
- Loken MK See Sirr SA
- Loken MK: radiation exposure: responsibilities of the radiologist, *Invest Radiol* 1988; 23: 317
- Loken MK; Ascher NL; Boudreau RJ; et al: scintigraphic evaluation of liver transplant function, *J Nucl Med* 1986; 27: 451
- Loman H See Lafleur MVM
- Lomas FE See Burch WM
- Lombard JT; Selzer A: valvular aortic stenosis: a clinical and hemodynamic profile of patients, (ab), *Radiology* 1987; 164: 885
- Lombardi G; Salmi A; Polotti R; et al: is it possible to recognize portal hypertension with continuous-wave Doppler ultrasonography?, *JCU* 1987; 15: 121
- Lomeña F See Pons F
- Lomena F; Abello R; Garcia A; et al: false-positive early indium-111 leukocyte scan, *Clin Nucl Med* 1987; 12: 391
- Lomeña F; Roselló R; Pons F; et al: abnormal scintigraphic evolution in AA hepatic amyloidosis, *Clin Nucl Med* 1988; 13: 194
- Lomcaric S See Bice AN
- Lomcaric S See Clausen M
- London J See Nguyen VD
- London RA; Kudlak T; Riehle RA: immersion anesthesia for extracorporeal shock wave lithotripsy: review of two hundred twenty treatments, (ab), *Radiology* 1987; 162: 886
- Long RC Jr See Caines GH
- Long SE See Dhekne RD
- Longanesi A See Baldi F
- Longley DG; Skolnick ML; Sheahan DG: acute allograft rejection in liver transplant recipients: lack of correlation with loss of hepatic artery diastolic flow, *Radiology* 1988; 169: 417
- Longley DG; Skolnick ML; Zajko AB; et al: duplex Doppler sonography in the evaluation of adult patients before and after liver transplantation, *AJR* 1988; 151: 687
- Longley JD See Burheane LW
- Longley S; Caldwell JR; Fanush RS: paraneoplastic vasculitis: unique syndrome of cutaneous angitis and arthritis associated with myeloproliferative disorders, (ab), *Radiology* 1987; 162: 588
- Longmaid HE III; Rider EA; Tymkiw J: lupus nephritis: new sonographic findings, *J Ultrasound Med* 1987; 6: 75
- Longmaid HE III; Seltzer SE; Costello P; et al: hepatocellular carcinoma presenting as primary extrahepatic mass on CT, *AJR* 1986; 146: 1005
- Longmaid HE III; Tymkiw J; Rider EA: sonographic diagnosis of a chyloous mesenteric cyst, *JCU* 1986; 14: 458
- Longmore DB See Nayler GL
- Longo DL See Bates SE
- Longo FM See Olsen WL
- Longo JM See Vega A
- Longo JM; Lopez-Rasines G; Ortega E; et al: CT demonstration of an aortoesophageal fistula, *Cardiovasc Intervent Radiol* 1987; 10: 84
- Longo WL See Robins HI
- Longpre D See Filiatrault D
- Longson F See Dixon GD
- Longson G See Deep HJ
- Loe C-Y See Schmelter RF
- Loonen MCB See Mulder LJMM
- Looney WB See Hopkins HA
- Looney WB; Hopkins HA: solid tumor models for the assessment of different treatment modalities: XXV. comparison of the effect of one radiation fraction per day with multiple fractions per day (MFD) given either continuously or intermittently on tumor response and normal tissue reaction, *Int J Radiat Oncol Biol Phys* 1986; 12: 203
- Loose H See Howd A
- Loose HW See Fitzjohn TP
- Loose HW; Ryall CJ: common iliac artery occlusion: treatment with pull-through angioplasty, *Radiology* 1988; 168: 273
- López I See Pulpeiro JR
- Lopez M See Sauerbrei EE
- Lopez OL; Rodriguez-Maisano E; Deleaux JL: thoracic duct malformations: lymphoscintigraphic diagnoses, *Clin Nucl Med* 1986; 11: 479
- Lopez-Berstein G See Shirkhoda A
- Lopez-Rasines G See Longo JM
- Lorber A; Hardoff R; Front A: radionuclide evaluation of a patient with neonatal presentation of Pompe's disease, *Clin Nucl Med* 1987; 12: 972
- Lorber D See Danoff A
- Lorber MI See Warshawer DM
- Lorentzen T; Dorph S; Hald T: artificial urinary sphincters: radiographic evaluation, *Acta Radiol* 1987; 28: 63
- Lorentzon R; Wirell S: anatomic variations of the accessory soleus muscle, *Acta Radiol* 1987; 28: 627
- Lorenz HP See Buhlmeier K
- Lorenz WJ See Semmler W
- Lorenz WJ See Zabel H-J
- Lorenzen KM See Peterson C
- Lorenzo AV See Fried R
- Lorenzo RL See Atkinson GO Jr
- Lorheim TA See Stabrun AE
- Loriaux DL See Doppman JL
- Loriaux DL See Dwyer AJ
- Loriaux DL See Saris SC
- Loriaux DL See Shawker TH
- Lorigan JG; Charnsangavej C; Carrasco CH; et al: atrophy with compensatory hypertrophy of the liver in hepatic neoplasms: radiographic findings, *AJR* 1988; 150: 1291
- Lorigan JG; Effekhari F; David CL; et al: growing teratoma syndrome: an unusual manifestation of treated, nonseminomatous germ cell tumors of the testis, *AJR* 1988; 151: 325

- Lorino CO; Finn M: unilateral juvenile hypertrophy of the breast, *Br J Radiol* 1987; 60: 193
- Lorman JG See Rhodes RA
- Lorphelin JM See Mathieu D
- Lotan D See Strauss S
- Lott CW; Wilson DJ; Juniper RP: temporomandibular joint arthrography: dynamic study by videorecording, *Clin Radiol* 1988; 39: 73
- Lott S See Schlad L
- Lottenberg S See Aufrechtig D
- Lötter MG See Galdenhuys EM
- Lotter MG See van Aswegen A
- Lotter MG; Heyns AdP; Badenhorst PN; et al: evaluation of mathematic models to assess platelet kinetics, *J Nucl Med* 1986; 27: 1192
- Lotich SC See Johnston WW
- Lotysch M See Cruess JV III
- Lotz H; Ekelund L; Hietala S-O; et al: low dose pelvimetry with biplane digital radiography, *Acta Radiol* 1987; 28: 577
- Lotz J; Hewlett R; Alheit B; et al: neurocysticercosis: correlative pathomorphology and MR imaging, *Neuroradiol* 1988; 30: 35
- Lotz FR; Ballinger WE Jr; Quisling RG: subcortical arteriosclerotic encephalopathy: CT spectrum and pathologic correlation, *AJNR* 1986; 7: 817
- Lotze A See Taylor GA
- Lotze MT See Begley MG
- Lotzova E See Prasad N
- Lough JO See Bret PM
- Loughlin KR See Benson CB
- Loughlin KR See Lipman JC
- Loughlin T See Doppman JL
- Loughran CF: clinical intravenous urography: comparative trial of ioxaglate and iopamidol, *Radiology* 1986; 161: 455
- Loughran CF: review of the plain abdominal radiograph in acute rupture of abdominal aortic aneurysms, *Clin Radiol* 1986; 37: 383
- Loughran CF; Ehmkke FM: calcified post-traumatic renal pseudotumour, *Br J Radiol* 1986; 59: 515
- Loughran CF; Kenny J: uro-radiological manifestations of pancreatic carcinoma, *Clin Radiol* 1988; 39: 281
- Loughran CF; Thind CR: gallbladder infarction: radiographic mimic of emphysematous cholecystitis, (ab), *Radiology* 1986; 158: 567
- Louis DS See Space TC
- Louis O; Luytpeart R; Kalender W; et al: reproducibility of CT bone densitometry: operator versus automated ROI definition, *Eur J Radiol* 1988; 8: 82
- Loupas T; McDicken WN; Allan PL: noise reduction in ultrasonic images by digital filtering, *Br J Radiol* 1987; 60: 389
- Lourie GL; Osborne DR; Kirks DR: involvement of posterior visual pathways by optic nerve gliomas, *Pediatr Radiol* 1986; 16: 271
- Lovaco F See Garcia-Cuerpo E
- Lovalvo L See John MJ
- Love HG See Falkner K
- Love HG See Foster CJ
- Love HG See Jenkins JPR
- Love L See Budorick NE
- Love MB See Han SS
- Love MB See Lentini JF
- Love SM See Hall FM
- Lovechio JL See Fishman-Javitt MC
- Lovechio JL See Javitt MCF
- Loveday B See Williams CT
- Loveday BE See Checkley D
- Lovell DJ See Kaufman RA
- Lovern RE; Bosse DA; Hartshorne MF; et al: organizing hematoma of the thigh: multiple imaging techniques, *Clin Nucl Med* 1987; 12: 661
- Lovett I; Doust B; Orr N: role of ultrasound in the diagnosis of parenchymal disease in transplanted kidneys, *Australas Radiol* 1988; 32: 104
- Lovett KE See Nelson RC
- Lovett S See Crade M
- Lovrinevit A See Catit D
- Low D See Glickstein MF
- Low RN; Jeffrey RB Jr: intraperitoneal hemorrhage after renal biopsy: a grave prognostic sign, *AJR* 1988; 151: 113
- Low B See Leonard JC
- Low BA See Alexander JE
- Low FC; Auster M; Beck TJ; et al: monitoring radiation exposure to medical personnel during percutaneous nephrolithotomy, (ab), *Radiology* 1987; 163: 295
- Low JE See Bladergreen MR
- Low JS See Eamshaw JJ
- Low TW See Weinreb JC
- Lower RF; McNiesh LM; Callaghan JJ: computed tomographic documentation of intra-articular penetration of a screw after operations on the shoulder: report of two cases, (ab), *Radiology* 1986; 158: 859
- Lowry PA See Kim EE
- Lowry S See Listrom MB
- Lowther JR II See Starkschall G
- Loy V See Hamm B
- Loyd M See Rosen I
- Lozman J See Lee JK
- Lozman J See Manco LG
- Lozowski M See Lundy J
- Lu CC See Barlow TJ
- Lu C-C See Chen H-Y
- Lu CC See Honda H
- Lu CC; Murakami J; Barlow T; et al: base line tenting: sign of duodenal ulcer disease, *Gastrointest Radiol* 1987; 12: 109
- Lu CH See Yang CJC
- Lü T-N See Wu C-C
- Lu X See Dong Z-J
- Lubatz E; Kramer EL; Sanger JJ: "supernormal" bone image in a case of Waldenström macroglobulinemia, *Clin Nucl Med* 1986; 11: 279
- Lubbers LM See Beltran J
- Lubbers LM See Weiss KL
- Lubbers PR See Ros PR
- Lubbers PR; Chandra R; Markle BM; et al: case report 421, *Skeletal Radiol* 1987; 16: 252
- Lubbers PR; Goff WB; Volpe RJ; et al: CT diagnosis of celiac artery aneurysm, *JCAT* 1988; 12: 352
- Lubbers PR; Ros PR; Goodman ZD; et al: accumulation of technetium-99m sulfur colloid by hepatocellular adenoma: scintigraphic-pathologic correlation, *AJR* 1987; 148: 1105
- Lubin E; Cyron A; Neuman M: technetium-99m macroaggregates for the study of the distribution of arterial infusion chemotherapy in the liver, *Clin Nucl Med* 1987; 12: 385
- Lubrano G See Perale R
- Lucas A See Brooke OG
- Lucas CL See Frantz EG
- Lucas CL; Henry GW; Keagy BA; et al: continuous measurement of pulmonary blood flow using a retractable pulsed Doppler probe, *J Ultrasound Med* 1987; 6: 181
- Lucas D See Koenig H
- Lucas FV See Risius B
- Lucas JG See Beltran J
- Lucas KJ See Feldman JM
- Lucas PG See Amico S
- Lucas-Fehen LM; Makler FT Jr; Shapiro B: technetium-99m MDP uptake in chronic venous insufficiency, *Clin Nucl Med* 1986; 11: 803
- Luchi RJ See Brown DL
- Luchtrath H See Wernert N
- Luciani L; Pisciolli F: experience with modified Chiba needle in staging of genitourinary tumors, (ab), *Radiology* 1986; 158: 569
- Ludgate SM See Price A
- Ludwig B See Kretschmar K
- Ludwig JW See Ter Berg JWM
- Ludwig RL See Smith J
- Ludwig RN See Abdi EA
- Ludwig WD See Yuh WTC
- Ludwig WD; Yuh WTC; Montgomery WJ: MR imaging of post-traumatic pseudoaneurysm of the deep femoral artery, *JCAT* 1987; 11: 1093
- Ludwig WW See Mail WPTM
- Lue TF See Hricak H
- Luedke M; Scholz FJ; Larsen CR: computed tomographic evaluation of apical hernia, *Comput Med Imag Graph* 1988; 12: 123
- Luedke MD See Beckmann CF
- Luers PR See Raabe R
- Luethke JM See Hopper KD
- Lufkin R; Jordan S; Lyllyck P; et al: MR imaging with topographic EEG electrodes in place, *AJNR* 1988; 9: 953
- Lufkin RB See Coit WE
- Lufkin RB See Dietrich RB
- Lufkin RB See Flannigan BD
- Lufkin RB See Jacobs CJM
- Lufkin RB See Larson SG
- Lufkin RB See Moffit B
- Lufkin RB See Pusey E
- Lufkin RB See Reicher MA
- Lufkin RB See Spickler E
- Lufkin RB See Teresi LM
- Lufkin RB See Walker HS
- Lufkin RB; Anselmo M; Cruess J; et al: magnetic field strength dependence of chemical shift artifacts, *Comput Med Imag Graph* 1988; 12: 89
- Lufkin RB; Dworkin J; Stutman J; et al: automated MR imaging protocols for improved patient throughput, *Comput Med Imag Graph* 1988; 12: 85
- Lufkin RB; Hanafee WN: imaging the laryngopharynx, *Semin US CT MR* 1986; 7: 166
- Lufkin RB; Hanafee WN: magnetic resonance imaging of the head and neck, *Invest Radiol* 1988; 23: 162
- Lufkin RB; Hanafee WN: MRI of the head and neck, *Magn Res Imag* 1988; 6: 69
- Lufkin RB; Hanafee WN; Wortham DG; Hoover LA: larynx and hypopharynx: MR imaging with surface coils, *Radiology* 1986; 158: 747
- Lufkin RB; Keen R; Rhodes M; et al: MRI simulator for instruction in pulse-sequence selection, *AJR* 1986; 147: 199
- Lufkin RB; Pusey E; Stark DD; et al: boundary artifact due to truncation errors in MR imaging, *AJR* 1986; 147: 1283
- Lufkin RB; Sharpless T; Flannigan BD; et al: dynamic-range compression in surface-coil MRI, *AJR* 1986; 147: 379
- Lufkin RB; Teresi L; Chiu L; et al: technique for MR-guided needle placement, *AJR* 1988; 151: 193
- Lufkin RB; Teresi LM; Hanafee WN: new needle for MR-guided aspiration cytology of the head and neck, *AJR* 1987; 149: 380
- Lufkin RB; Vinuela F; Benton JR; et al: magnetic resonance imaging of the craniocervical junction, *Comput Med Imag Graph* 1988; 12: 281
- Lufkin RB; Votruba J; Reicher M; et al: solenoid surface coils in magnetic resonance imaging, *AJR* 1986; 146: 409
- Lufkin RB; Wortham DG; Dietrich RB; Hoover LA; Larson SG; Kangaroo H; Hanafee WN: tongue and oropharynx: findings on MR imaging, *Radiology* 1986; 161: 69
- Lui B; Chang J; Sun JS; et al: radioactive iodine exchange reaction of HIFDM: kinetics and mechanism, *J Nucl Med* 1987; 28: 360
- Lui CC; Liu YH; Wai YY; et al: persistence of both prostatic arteries with absence of vertebral arteries, *Neuroradiol* 1987; 29: 304
- Luisi A See Veronesi U
- Luisi A See Tantanu S
- Luisi A; Gravis ER; Weber T; et al: neurosonographic changes in newborns treated with extracorporeal membrane oxygenation, *J Ultrasound Med* 1988; 7: 429
- Luisi A; Sotelo-Avila C; Silberstein MJ; et al: sonography of the Zellweger syndrome, *J Ultrasound Med* 1988; 7: 169
- Luis-Jorge JC See Eisenberg D
- Luk CK; Sutherland RM: nutrient modification of proliferation and radiation response in EMT6/RO spheroids, *Int J Radiat Oncol Biol Phys* 1987; 13: 885
- Lukash F See Moskowitz GW
- Lukert BP See De Smet AA
- Lukens SJ See Mason HR
- Lukiewicz S See Subczynski WK
- Lukin RR See Kieffer SA
- Lukin RR See Plestman CW
- Lukin RR See Simon JE
- Lukin RR; Gaskill MF; Wiot JG: lumbar herniated disk and related topics, *Semin Roentgenol* 1988; 23: 100
- Lukka HR; Moore CJ; Hunter RD: relationship between the bladder and the cervix in patients undergoing intracavitary therapy, *Br J Radiol* 1987; 60: 355
- Lukkarinen O See Vihko P
- Lull RJ See Utz JA
- Lum GB See Machen BC
- Lum GB; Williams JP; Machen BC; et al: benign cystic pineal lesions by magnetic resonance imaging, *CT* 1987; 11: 228
- Lumsden AB: demonstration of a primary bone tumor of the breast by technetium-99m diphosphonate bone imaging, *Clin Nucl Med* 1986; 11: 362
- Lumsden AB; Alapaugh JP: cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances, *Radiology* 1986; 158: 856
- Luna MA See Batsakis JG
- Luna MA See Shirkhoda A
- Luna RF See Frazer RG
- Lund C See Sorensen HR
- Lund E; Buhl M; Miletic T; et al: isodense middle fossa arachnoid cyst and subdural hematoma: a diagnostic problem on CT, *J Neuroradiol* 1987; 14: 89
- Lund EC; Han SY; Holley HC; Berland LL: intestinal ischemia: comparison of plain radiographic and computed tomographic findings, *Radiographics* 1988; 8: 1063
- Lund G See Duthoy MJ
- Lund G; Letourneau JG; Day DL; et al: MRI in organ transplantation, *Radiol Clin North Am* 1987; 25: 281
- Lund G; Morin R: technique for image salvage in MR, *AJR* 1986; 147: 1052
- Lund GB See Castaneda F
- Lund GB See Darcy MD
- Lund JO See Rehling M
- Lund VJ See Lloyd GAS
- Lundberg PO See Bergstrom M
- Lundberg PO See Muhr C
- Lundell B See Erasmus U
- Lundell CJ See Quinn MF
- Lundell M See Furst CJ
- Lunderquist A See Lundstedt C
- Lundgren R See Bjerner L
- Lundorf E See Sørensen P
- Lundqvist G See Öberg K
- Lundqvist H See Bergström M
- Lundstedt C See Thorvinger B
- Lundstedt C; Ekberg H; Hederström E; et al: radiologic diagnosis of liver metastases in colorectal carcinomas: prospective evaluation of the accuracy of angiography, ultrasonography, computed tomography and computed tomographic angiography, *Acta Radiol* 1987; 28: 431

- Lundstedt C; Ekberg H; Lunderquist A; et al: site and number of liver tumors recorded at angiography and computed tomography compared with the findings at laparotomy and of resected liver specimens, *Acta Radiol* 1987; 28: 153
- Lundstedt C; Hederström E; Brismar J; et al: prospective investigation of radiologic methods in the diagnosis of intra-abdominal abscesses, *Acta Radiol* 1986; 27: 49
- Lundström N-R See Laurin S
- Lundström N-R See Malmgren N
- Lundy J; Łozowski M; Miahriki Y: monoclonal antibody B72.3 as a diagnostic adjunct in fine-needle aspirates of breast masses, (ab), *Radiology* 1986; 161: 283
- Lung G See Hunter DW
- Lung JA See Ziegler DW
- Luning M; Karsaw R; Schopke W; et al: CT guided percutaneous fine-needle biopsy of the pancreas, (ab), *Radiology* 1986; 158: 567
- Luning M; Simon C; Dewey C; et al: CT diagnosis of hepatic adenoma, *Eur J Radiol* 1987; 7: 30
- Lunt JA See Hanstock CC
- Lunt JA See Phillips DM
- Lunt JA; Allen PS; Brauer M; et al: evaluation of the effect of fasting on the exercise-induced changes in pH and P_i/PCr from skeletal muscle, *Magn Res Med* 1986; 3: 946
- Lupattelli L; Barzi F; Corneli P; et al: selective thrombolysis with low-dose urokinase in chronic arteriosclerotic obstructions, *Cardiovasc Intervent Radiol* 1988; 11: 123
- Lupetin AR See Daffner RH
- Lupetin AR See Dash N
- Lupetin AR: magnetic resonance appearance of the kidneys in paroxysmal nocturnal hemoglobinuria, *Urol Radiol* 1986; 8: 101
- Lupetin AR; Dash N: intrahepatic rupture of hydatid cyst: MR findings, *AJR* 1988; 151: 491
- Lupetin AR; Dash N: MRI appearance of esophageal duplication cyst, *Gastrointest Radiol* 1987; 12: 7
- Lupetin AR; Dash N; Beckman I: leiomyosarcoma of the superior vena cava: diagnosis by cardiac gated MR, *Cardiovasc Intervent Radiol* 1986; 9: 103
- Lupetin AR; Dash N; Beckman I; et al: segmental absence of the aortic wall: magnetic resonance imaging sign of aneurysm, *CT* 1987; 11: 279
- Lupetin AR; Dash N; Contractor FM: MRI diagnosis of aortic fistula secondary to ruptured infrarenal abdominal aortic aneurysm, *Cardiovasc Intervent Radiol* 1987; 10: 24
- Lupa AN See Cochran ST
- Lurain JR See Schink JC
- Luria MH See Koren G
- Lurie AL; Bookstein JJ; Kessler WO: posttraumatic impotence: angiographic evaluation, *Radiology* 1988; 166: 115
- Lüscher TF; Lie JT; Stanson AW; et al: arterial fibromuscular dysplasia, (ab), *Radiology* 1988; 167: 589
- Lusciotti P See Kazuizlaric D
- Lushbaugh CC; Fry SA; Rickis RC: medical and radiobiological basis of radiation accident management, *Br J Radiol* 1987; 60: 1159
- Lusiani L See Visona A
- Lusinchi A See Mazeron JJ
- Lusk RF; Tyler RS: hazardous sound levels produced by extracorporeal shock wave lithotripsy, (ab), *Radiology* 1987; 165: 883
- Lussier A See Brazeau-Lamontagne L
- Lustig R See Rose C
- Lustig-Gillman I See Raghavendra BN
- Lustig-Gillman I See Snyder JR
- Lutas EM See Devereux RB
- Lüthy P; Chatelain P; Papageorgiou I; et al: assessment of myocardial metabolism with iodine-123 heptadecanoic acid: effect of decreased fatty acid oxidation on deiodination, *J Nucl Med* 1988; 29: 1088
- Luts A See Stewart FA
- Lutz H See Worlichek H
- Lutz RJ See Doppman JL
- Lutz W; Winston KR; Maleki N: system for stereotactic radiosurgery with a linear accelerator, *Int J Radiat Oncol Biol Phys* 1988; 14: 373
- Luu K See Kancierz A
- Luu YH See Stone HB
- Luxenberg M See Cass AS
- Luxton G; Astrahan MA; Liggett PE; et al: dosimetric calculations and measurements of gold plaque ophthalmic irradiators using iridium-192 and iodine-125 seeds, *Int J Radiat Oncol Biol Phys* 1988; 15: 167
- Luyppert R See Louis O
- Luyten PR See Segebarth CM
- Luyten PR See Sijens FE
- Luyten PR See van der Veen JWC
- Luyten PR; Anderson CM; den Hollander JA: ¹H NMR relaxation measurements of human tissues in situ by spatially resolved spectroscopy, *Magn Res Med* 1987; 4: 431
- Luyten PR; den Hollander JA: ¹H MR spatially resolved spectroscopy of human tissues in situ, *Magn Res Imag* 1986; 4: 237
- Luyten PR; den Hollander JA: observation of metabolites in the human brain by MR spectroscopy, *Radiology* 1986; 161: 795
- Luz I See Reider-Grosswasser I
- Luzzi M See De Luca F
- Lwin T See McDonald KL
- Lybeert MLM; Meerwaldt JH: chordoma: report on treatment results in eighteen cases, *Acta Oncol* 1986; 25: 41
- Lybeert MLM; Meerwaldt JH; Deneve W: long-term results of low dose total body irradiation for advanced non-Hodgkin lymphoma, *Int J Radiat Oncol Biol Phys* 1987; 13: 1167
- Lydiatt DD See Kaplan FA
- Lyding JM; Tseng A; Newman A; et al: intramedullary spinal cord metastasis in Hodgkin's disease: rapid diagnosis and treatment resulting in neurologic recovery, (ab), *Radiology* 1988; 167: 295
- Lye DJ; Stark RH; Cullen GM; et al: ruptured pancreatic pseudocyst: extension into the thigh, *AJR* 1987; 149: 937
- Lye DJ; Wepfer JF; Haskell DS: case report 458, *Skeletal Radiol* 1988; 17: 57
- Lylyck P See Lufkin R
- Lyman JT See Woodruff KH
- Lyman JT See Zink SR
- Lyman JT; Wolbarst AB: optimization of radiation therapy, III: method of assessing complication probabilities from dose-volume histograms, *Int J Radiat Oncol Biol Phys* 1987; 13: 103
- Lynch D See Webb WR
- Lynch D; McManus F; Ennis JT: computed tomography in spinal trauma, *Clin Radiol* 1986; 37: 71
- Lynch DA; Gamsu G; Ray CS; Aberle DR: asbestos-related focal lung masses: manifestations on conventional and high-resolution CT scans, *Radiology* 1988; 169: 603
- Lynch JH See O'Brien WM
- Lynch JH See Zeman RK
- Lynch M See Byfield JE
- Lynch MA; Cho KC; Jeffrey RB Jr; et al: CT of peritoneal lymphomatosis, *AJR* 1988; 151: 713
- Lynch R See Haughton VM
- Lynch TG; Hobson RW II; Kerr JC; et al: Doppler ultrasound, laser Doppler, and perfusion fluorometry in bowel ischemia, (ab), *Radiology* 1988; 168: 863
- Lynch-Nyhan A See White RI Jr
- Lynn J See Al-Suhaili AR
- Lynn MD See Trenkner SW
- Lynn MD; Braunstein EM; Shapiro B: pheochromocytoma presenting as musculoskeletal pain from bone metastases, *Skeletal Radiol* 1987; 16: 552
- Lynn MD; Braunstein EM; Wahl RL; Shapiro B; Gross MD; Rabbani R: bone metastases in pheochromocytoma: comparative studies of efficacy of imaging, *Radiology* 1986; 160: 701
- Lyon AJ; McIntosh N; Wheeler K; et al: radiological rickets in extremely low birthweight infants, *Pediatr Radiol* 1987; 17: 56
- Lyon RC; Faustino PJ; Cohen JS: perfusion technique for ¹³C NMR studies of the metabolism of ¹³C-labeled substrates by mammalian cells, *Magn Res Med* 1986; 3: 663
- Lyon RC; Faustino PJ; Cohen JS; et al: tissue distribution and stability of metalloporphyrin MRI contrast agents, *Magn Res Med* 1987; 4: 24
- Lyon RC; Tschudin RG; Daly PF; et al: versatile multinuclear probe designed for *in vivo* NMR spectroscopy: applications to subcutaneous human tumors in mice, *Magn Res Med* 1988; 6: 1
- Lyoys AJ; Babajews A: gigantiform cementoma—unusual incidental finding, *Br J Radiol* 1986; 59: 277
- Lyons EA See Dashefsky SM
- Lyons EA See Levi CS
- Lyons EA: human epidemiological studies, *Ultrasound Med Biol* 1986; 12: 689
- Lyons EA; Dyke C; Tome M; Cheang M: *in utero* exposure to diagnostic ultrasound: a 6-year follow-up, *Radiology* 1988; 166: 687
- Lyons K; Evans C: case of the recalcitrant Welshman, *Br J Radiol* 1987; 60: 93
- Lyons KP; Milne N; Karlsberg RP; et al: myocardial infarct imaging in patients with technetium-99m 2,3-dimercaptosuccinic acid: superiority of technetium-99m pyrophosphate, *Clin Nucl Med* 1987; 12: 514
- Lyppens KCH See de Visser M
- Lyso JE; Guilford WB; Siegal GF; et al: case report 362, *Skeletal Radiol* 1986; 15: 268
- Lyttkens K See Thorvinger B
- Lytton B See Green DF

- Maas R See Brockmann WP
- Määttäinen H See Niemi P
- McAdams HP; Johnson GA; Suddarth SA; et al: histogram-directed processing of digital chest images, *Invest Radiol* 1986; 21: 253
- McAfee JG See Grossman ZD
- McAfee JG See Pollack H
- McAfee JG See Rosebrough SF
- McAfee JG: radionuclide imaging in metabolic and systemic skeletal diseases, *Semin Nucl Med* 1987; 17: 334
- McAfee JG; Kopecky RT; Thomas FD; et al: comparison of different radioactive agents for the detection of renovascular hypertension with captopril in a rat model, *J Nucl Med* 1988; 29: 509
- McAfee JG; Thomas FD; Subramanian G; et al: detection of diffuse glomerular lesions in rats: I. comparisons of conventional radioactive agents, *J Nucl Med* 1986; 27: 502
- McAfee JG; Thomas FD; Subramanian G; et al: detection of diffuse glomerular lesions in rats: II. comparison of indium-111 cationic small macromolecules with technetium-99m DTPA, *J Nucl Med* 1986; 27: 513
- McAfee JG; Thomas FD; Subramanian G; et al: evaluation of cyclosporine nephrotoxicity in rats with various renal radioactive agents, *J Nucl Med* 1988; 29: 1577
- McAlister WH See Jamroz GA
- McAlister WH See Martin KA
- McAlister WH See Middleton WD
- McAlister WH; Coe JD; Whyte MP: macroepiphyseal dysplasia with symptomatic osteoporosis, wrinkled skin, and aged appearance: presumed autosomal recessive condition, *Skeletal Radiol* 1986; 15: 47
- McAlister WH; Katz ME; Perlman JM; et al: sonography of focal follicular hyperplasia causing gastric obstruction in an infant, *Pediatr Radiol* 1988; 18: 79
- McAlister WH; Kim GS; Whyte MP: tibial bowing exacerbated by partial premature epiphyseal closure in sex-linked hypophosphatemic rickets, *Radiology* 1987; 162: 461
- McAlister WH; Manley CB: bilobed testicle, *Pediatr Radiol* 1987; 17: 82
- McAlister WH; Wright JR Jr; Crane JP: main-stem bronchial atresia: intrauterine sonographic diagnosis, *AJR* 1987; 148: 364
- McAllister M See Panidis IP
- McAllister MD; O'Leary DH: CT myelography of subarachnoid leukemia infiltration of the lumbar thecal sac and lumbar nerve roots, *AJNR* 1987; 8: 568
- McAlpin G See Mariona F
- McAlpin J See Cadkin AV
- McAninch JW See Federle MP
- McAninch JW See Hricak H
- McAninch JW See Mee SL
- McAninch JW; Laing FC; Jeffrey RB Jr: sonourethrography in the evaluation of urethral strictures: a preliminary report, (ab), *Radiology* 1988; 168: 588
- McArdle CB See Hann LE
- McArdle CB See Kulkarni MV
- McArdle CB See Mirich DR
- McArdle CB See Yeakley JW
- McArdle CB; Amparo EG; Mirfakhraee M: MR imaging of orbital blow-out fractures, *JCAT* 1986; 10: 116
- McArdle CB; Bailey BJ; Amparo EG: surface coil magnetic resonance imaging of the normal larynx, (ab), *Radiology* 1987; 163: 294
- McArdle CB; Crofford MJ; Mirfakhraee M; et al: surface coil MR of spinal trauma: preliminary experience, *AJNR* 1986; 7: 885
- McArdle CB; Mirfakhraee M; Amparo EG; et al: MR imaging of transverse/sigmoid dural sinus and jugular vein thrombosis, *JCAT* 1987; 11: 831
- McArdle CB; Nicholas DA; Richardson CJ; Amparo EG: monitoring of the neonate undergoing MR imaging: technical considerations: work in progress, *Radiology* 1986; 159: 223
- McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Crofford MJ; Amparo EG: abnormalities of the neonatal brain: MR imaging, part I. intracranial hemorrhage, *Radiology* 1987; 163: 387
- McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Amparo EG: abnormalities of the neonatal brain: MR imaging, part II. hypoxic-ischemic brain injury, *Radiology* 1987; 163: 395
- McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG: developmental features of the neonatal brain: MR imaging, part I. gray-white matter differentiation and myelination, *Radiology* 1987; 162: 223
- McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG: developmental features of the neonatal brain: MR imaging, part II. ventricular size and extracerebral space, *Radiology* 1987; 162: 230

- McArdle CB; Wright JW; Prevost WJ; Dornfest DJ; Amparo EG: MR imaging of the acutely injured patient with cervical traction, *Radiology* 1986; 159: 273
- McArdle CR See Austin RM
- Macarini L See Angelelli G
- McArthur JC: neurologic manifestations of AIDS, (ab), *Radiology* 1988; 167: 887
- McArthur P See Hall AS
- Macbeth FR; Macdonald H; Williams CJ: total abdominal and pelvic radiotherapy in the management of early stage ovarian carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 15: 353
- McCabe R See Binstock P
- McCabe RE See Edelstein H
- McCall D See Meyers DG
- McCall IW See Colhoun EN
- McCall IW See Henson J
- McCall MJ See Goodwin DA
- McCalla MS See Beltran J
- McCallum MG; Braunstein P: diagnosing iliofemoral vein occlusion from radionuclide blood pool venography, *Clin Nucl Med* 1987; 12: 180
- McCallum RW See Poon PY
- McCallum RW: urethral disease and interventional cystourethrography, *Radiol Clin North Am* 1986; 24: 651
- McCandless B See Hill-Zobel RL
- McCann K See Coombs RJ
- McCann R See Illescas FF
- McCann RL See Newman GE
- McCann RL See Saeed M
- McCannell KL: comparison of an intravenous selective mesenteric vasodilator with intraarterial papaverine in experimental nonocclusive mesenteric ischemia, (ab), *Radiology* 1987; 162: 883
- McCardle CR See Hall FM
- McCarten B See Arakawa M
- McCarten BM See Carlson JW
- McCarten RJM See Mardini IA
- McCarthy AL See Braun M
- McCarthy C See Ben Ami T
- McCarthy DM See Makler PJ Jr
- McCarthy EF See Greyson-Fleg RT
- McCarthy EF; Tolo VT; Dorfman HD: case report 446, *Skeletal Radiol* 1987; 16: 592
- McCarthy JT See Kriegshauser JS
- McCarthy KA See Hall DA
- McCarthy KA See Kopans DB
- McCarthy KA See Lindfors KK
- McCarthy KA See Oestmann JW
- McCarthy KA See Swann CA
- McCarthy KA; Hall DA; Kopans DB; et al: postmenopausal endometrial fluid collections: always an indicator of malignancy?, *J Ultrasound Med* 1986; 5: 647
- McCarthy KE See Powe JE
- McCarthy KE; Heyman S: diphosphonate intestinal activity seen on two bone images in neuroblastoma, *Clin Nucl Med* 1986; 11: 501
- McCarthy KE; Velchik MG: indium-111 leukocyte uptake in a case of metastatic tumor, *Clin Nucl Med* 1986; 11: 440
- McCarthy KE; Velchik MG; Alavi A; et al: indium-111-labeled white blood cells in the detection of osteomyelitis complicated by a pre-existing condition, *J Nucl Med* 1988; 29: 1015
- McCarthy MJ See Bowen B
- McCarthy MJ See Chasen MH
- McCarthy MJ See Mulligan ME
- McCarthy P See Adam A
- McCarthy PL See Alario J
- McCarthy RE See Seibert JJ
- McCarthy S See Kier R
- McCarthy S; Tauber C; Gore J: female pelvic anatomy: MR assessment of variations during the menstrual cycle and with use of oral contraceptives, *Radiology* 1986; 160: 119
- McCarthy SJ See Taus RH
- McCarthy SM See Demas BE
- McCarthy SM See Rapoport S
- McCarthy SM See Wapshauer DM
- McCarthy SM: magnetic resonance imaging in obstetrics and gynecology, *Magn Res Imag* 1986; 4: 59
- McCarthy SM; Hricak H; Cohen M; Fisher MR; Winkler ML; Filly RA; Margulis AR: cholecystitis: detection with MR imaging, *Radiology* 1986; 158: 333
- McCartney S See Liu J
- McCartney WH See David R
- McCartney WH See Gilland DR
- McCartney WH See Vincent LM
- McCarthy RL See Brandt DJ
- McCarthy RL See Hooyman JR
- McCarthy RL: cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances: reply, *Radiology* 1986; 158: 856
- McCauley D See Zerhouni EA
- McCauley DI See Leitman BS
- McCauley DI See Naidich DP
- McCauley DI See Rumancik WM
- McCauley J See Torvaldsen S
- McChesney SL See Gillette EL
- McChesney SL See Powers BE
- McChesney SL; Gillette EL; Dewhurst MW; et al: influence of WR 2721 on radiation response of canine soft tissue sarcomas, *Int J Radiat Oncol Biol Phys* 1986; 12: 1957
- McChesney SL; Gillette EL; Orton EC: canine cardiomyopathy after whole heart and partial lung irradiation, *Int J Radiat Oncol Biol Phys* 1988; 14: 1169
- Macchi PJ See Grossman RI
- Macchi PJ; Grossman RI; Gomori JM; et al: high field MR imaging of cerebral venous thrombosis, *JCAT* 1986; 10: 10
- Macchia G See Boccardo M
- Macchia G See Ruelle A
- Macchia RJ See Dunn EK
- Macchia RJ See Gordon DH
- McClain K See Day DL
- McClarty B: lumbar myelography with water-soluble contrast media, *Radiology* 1988; 167: 166
- McClarty B: neuroradiology, 2d ed., *Radiology* 1987; 164: 798
- McClarty B: surgical neuroangiography, vol. 1. functional anatomy of craniofacial arteries, *Radiology* 1988; 167: 280
- McClatchey KD See Amendola BE
- McClees EC See Malko JA
- McClellan RL; Eisenberg RL; Giyanani VL: routine CT screening of psychiatry inpatients, *Radiology* 1988; 169: 99
- McClelland RA See Laderoute KR
- McClelland RA See Panucci R
- McClennan BL See Dunnick NR
- McClennan BL See Hartman GW
- McClennan BL See Heiken JP
- McClennan BL See Ling D
- McClennan BL See St. Amour TE
- McClennan BL See Worthington JL
- McClennan BL: low-osmolality contrast media: premises and promises, *Radiology* 1987; 162: 1
- McClennan BL: to whom should we give the safer contrast media?: reply, *Radiology* 1987; 163: 831
- McClennan BL: transrectal US of the prostate: is the technology leading the science?, *Radiology* 1988; 168: 571
- McClennan BL; Lee JKT; Peterson RR: anatomy of the perirenal area, *Radiology* 1986; 158: 555
- McClennan BL; Ling D; Rholl KS; et al: urography with a low osmolality contrast agent: comparison of Hexabrix with Conray 325, *Invest Radiol* 1986; 21: 144
- McClure RD See Bretan PN Jr
- McClure RD; Hricak H: magnetic resonance imaging: its application to male infertility, (ab), *Radiology* 1986; 160: 285
- McClure RD; Hricak H: scrotal ultrasound in the infertile man: detection of subclinical unilateral and bilateral varicoceles, (ab), *Radiology* 1986; 160: 858
- McComb BL See Kyser PL
- McComb JG See Zee C-S
- McComb RD See Hahn FJ
- McConahay DR See Hartzler GO
- McConchie I See Xipell JM
- McConkey JP See Li DKB
- McConnell FMS: analysis of pressure generation and bolus transit during pharyngeal swallowing, (ab), *Radiology* 1988; 168: 887
- McConnell JR See Aguayo EJC
- McConnell JR See Hassel DR
- McConnell JR; Mawik JR; Kendall JJ: percutaneous balloon myelotomy for treatment of hydromyelia: technical note, *AJNR* 1988; 9: 875
- McCord G See Hayden CK Jr
- McCorkle SJ See Lewall DB
- McCorkle D See Harris L
- McCormack J; Feystor RG; Brodner RA; et al: CT visualization of ruptured Berry aneurysm within hematoma: flip-flop sign, *JCAT* 1986; 10: 28
- McCormick M See Du Toit DF
- McCormick B See Kutcher JG
- McCormick B; Ellsworth R; Abramson D; et al: radiation therapy for retinoblastoma: comparison of results with lens-sparing versus lateral beam techniques, *Int J Radiat Oncol Biol Phys* 1988; 15: 567
- McCormick B; Kinne D; Petrek J; et al: limited resection for breast cancer: a study of inked specimen margins before radiotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1667
- McCormick B; Wesson MF; Cox L; et al: iridium-192 implants for primary breast cancer: experience with placement at the time of wide local excision, *Int J Radiat Oncol Biol Phys* 1988; 15: 745
- McCormick PA See Malone DE
- McCort JJ See Mindelzun RE
- McCort JJ: president's address: caring for the major trauma victim: role for radiology, *Radiology* 1987; 163: 1
- McCort JJ: Radiological Society of North America, seventy-second scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, *Radiology* 1986; 160: 565
- McCart JJ: use of CT in acute trauma victims: reply, *Radiology* 1988; 166: 903
- McCart JJ; Siegelman SS: note of thanks, *Radiology* 1986; 161: 845
- McCowan TC; Ferris EJ; Barnes RW; et al: laser thermal angioplasty for the treatment of obstruction of the distal superficial femoral or popliteal arteries, *AJR* 1988; 150: 1169
- McCoy RD See Gomes AS
- McCoy RI See Bidula MM
- McCracken S See Bressler EL
- McCracken S; Paskins-Hurlburt AJ
- McCracken S; Jongeward R; Silver TM; Jafri SZH: gastric trichobezoar: sonographic findings, *Radiology* 1986; 161: 123
- McCray P; Grandgeorge S; Smith W; et al: cine CT diagnosis of pulmonary artery sling, *Pediatr Radiol* 1986; 16: 508
- McCready R See Bomber P
- McCreath GT; McMillan N; Patterson J; et al: magnetic resonance imaging of renal transplants: initial experience, *Br J Radiol* 1988; 61: 113
- McCredie K See Khardori N
- McCrohan JL; Patterson JF; Gagne RM; Goldstein HA: average radiation doses in a standard head examination for 230 CT systems, *Radiology* 1986; 161: 263
- McCroskey WK See Sherry CS
- McCue FC III See Rijk AM
- McCulloch JA See Onik G
- McCullough DC See Johnson DL
- McCullough DC See Levy LM
- McCullough DC See Wechsler-Jentsch K
- McCullough DL See Gelfand DW
- McCullough DL See Kroovand RL
- McCullough K; Gregson R: case report: spontaneous healing of a gastro-colic fistula due to a benign gastric ulcer, *Clin Radiol* 1987; 38: 431
- McCullough RW; Gandsman EJ: pathophysiologic interpretation of time activity curves in dynamic bone imaging, *Clin Nucl Med* 1988; 13: 517
- McCullough RW; Gandsman EJ; Litchman H; et al: computerized blood-flow analysis in osteochondritis dissecans, *Clin Nucl Med* 1986; 11: 511
- McCullough RW; Moonan D; Schatz S; et al: congenital spleen thinning mimicking a space-occupying lesion, *Clin Nucl Med* 1986; 11: 262
- McCallum K See Drane WE
- McCumber M See Scott RS
- McCune WJ See Aisen AM
- McCune WJ; MacGuire A; Aisen A; et al: identification of brain lesions in neuropsychiatric systemic lupus erythematosus by magnetic resonance scanning, (ab), *Radiology* 1986; 169: 294
- McCunniff AJ; Raben M: metastatic carcinoma of the neck from an unknown primary, *Int J Radiat Oncol Biol Phys* 1986; 12: 1849
- McDermot R See Grinard L
- McDermott JC See Bennett LN
- McDermott JC See Hasegawa RH
- McDermott JC See Jensen SR
- McDermott JC See Voegeli DR
- McDermott JC; Crammy AB; Starck EE: balloon embolectomy catheter used percutaneously, *Radiology* 1986; 160: 279
- McDermott JC; Crammy AB; Voegeli DR; Starck EE: complications of transluminal angioplasty, *Radiology* 1987; 162: 286
- McDermott JC; Starck EE; Crammy AB: road map application to the pulsatile common femoral artery, *Cardiovasc Intervent Radiol* 1986; 9: 109
- McDicken WN See Loupas T
- McDicken WN See Pyle SD
- McDicken WN: versatile test-object for the calibration of ultrasonic Doppler flow instruments, *Ultrasound Med Biol* 1986; 12: 245
- Macdonald AC See Lamki L
- Macdonald BW See Rutherford JD
- Macdonald H See Macbeth FR
- Macdonald HL See Fidas A
- MacDonald HL; Bell BA; Smith MA; et al: correlation of human NMR T₁ values measured *in vivo* and brain water content, *Br J Radiol* 1986; 59: 355
- MacDonald JS See Smales E
- McDonald JV; Klump TE: intraspinal epidermoid tumors caused by lumbar puncture, (ab), *Radiology* 1987; 163: 592
- McDonald KL: technetium-99m RBC scintigraphy in the evaluation of small bowel leiomyoma, *Clin Nucl Med* 1987; 12: 131
- McDonald KL; Lwin T: sonographic and scintigraphic evaluation of gallbladder duplication, *Clin Nucl Med* 1986; 11: 692
- McDonald PN See Sapoznik MD
- McDonald S See Rubin P
- McDonald TJ See Larson TC III
- McDonald WI See Barnes D
- McDonnell CH III; Fishman EK; Zerhouni EA: CT demonstration of calcified liver metastases in medullary thyroid carcinoma, *JCAT* 1986; 10: 976

McDonnell DE See Klara PM
 McDougal WS See Liddell HT
 McDougall IR See Segall GM
 McDougall IR; Bayer MF: should a woman taking propylthiouracil breast-feed? *Clin Nucl Med* 1986; 11: 249
 McDougall IR; Keeling CA: complications of fractures and their healing. *Semin Nucl Med* 1988; 18: 113
 McDougall ML See Levine E
 McDowell DE See Savrin RA
 McDowell J See Roizin-Towle L
 Mace AH See Higgins WL
 McElvaney G See Fleisher AG
 McElvaney G; Müller NL; Pitman RG; et al: clinical-radiologic-pathologic conference: a family with lung nodules discovered by radiographic survey. *J Canad Assoc Radiol* 1988; 39: 17
 McElvein RB See Keller FS
 McElvein RB See Shin MS
 MacElean DP See Owens AP
 McEwan AB See Rahman M
 McEwan AJ See Blake GM
 McEwan AJ See Von Moll L
 MacEwan DW See Semelka RC
 MacEwan DW: radiology and the health policy agenda for the American people. *Radiology* 1987; 163: 559
 Macey DJ; DeNardo GL; DeNardo SJ; et al: comparison of low- and medium-energy collimators for SPECT imaging with iodine-123-labeled antibodies. *J Nucl Med* 1986; 27: 1467
 Macey DJ; DeNardo GL; DeNardo SJ: comparison of three boundary detection methods for SPECT using Compton scattered photons. *J Nucl Med* 1988; 29: 203
 McFadden RG See Oliphant L
 MacFall JR See Axel L
 MacFall JR See Darwin RH
 MacFall JR See Lenkinski RE
 MacFall JR See Wehrli FW
 MacFall JR; Pele NJ; Vavrek RM: correction of spatially dependent phase shifts for partial Fourier imaging. *Magn Res Imag* 1988; 6: 143
 McFarland EW; Neuringer LJ; Kushmerick MJ: chemical exchange magnetic resonance imaging (CHEMI). *Magn Res Imag* 1988; 6: 507
 McFarland EW; Rosen BR: NMR instrumentation and hardware available at present and in the future. *Cardiovasc Intervent Radiol* 1986; 8: 238
 McFarlane DV See Baines CJ
 MacFarlane JT See Woodhead MA
 MacFarlane TJ See Samaranyake LP
 McFaul JA See Wandtke JC
 McGahan JP See Anderson MW
 McGahan JP See Hartling KP
 McGahan JP See Lee LL
 McGahan JP See Lindfors KK
 McGahan JP See Myrland MR
 McGahan JP See Walter JP
 McGahan JP: adrenal gland: MR imaging. *Radiology* 1988; 166: 284
 McGahan JP: laboratory assessment of ultrasonic needle and catheter visualization. *J Ultrasound Med* 1986; 5: 373
 McGahan JP: new catheter design for percutaneous cholecystostomy. *Radiology* 1988; 166: 49
 McGahan JP; Anderson MW: pulsed Doppler sonography as an aid in ultrasound-guided aspiration biopsy. *Gastrointest Radiol* 1987; 12: 279
 McGahan JP; Anderson MW; Walter JP: portable real-time sonographic and needle guidance systems for aspiration and drainage. *AJR* 1986; 147: 1241
 McGahan JP; Ellis WG; Budenz RW; Walter JP; Boggan JE: brain gliomas: sonographic characterization. *Radiology* 1986; 159: 485
 McGahan JP; Lee LL; Tesluk H; et al: dissolution of gallstones using cholecystostomy tube in the pig. *Invest Radiol* 1987; 22: 201
 McGahan JP; Lindfors KK: acute cholecystitis: diagnostic accuracy of percutaneous aspiration of the gallbladder. *Radiology* 1988; 167: 669
 McGahan JP; Myrland MR: adrenal hypertrophy: possible pitfall in the sonographic diagnosis of renal agenesis. *J Ultrasound Med* 1986; 5: 265
 McGahan JP; Schneider JM: fetal neck hemangioma-thorax with secondary hydrops fetalis: sonographic diagnosis. *JCU* 1986; 14: 384
 McGarry PA See Garcia CA
 McGavin CR See Cook PG
 MacGee W; Lagier R: case of intracortical tuberculosis of the femur. *Eur J Radiol* 1988; 8: 96
 McGennissen MR See Andrews JT
 McGeorge A See Coutinho C
 McGhee RB See Beltran J
 McGhie I See Martin W
 McGill J See Hall VL
 McGill JE; Rysavy JA; Frick MP: experimental investigations of the Hexabrix-papaverine interaction. *Radiology* 1988; 166: 577

McGill M See Friedman HZ
 McGinnis KD See Walz D
 McGivern D See Bell J
 McGivney WT: preservation of food products by irradiation. *Semin Nucl Med* 1988; 18: 36
 McGlade C See Flannigan BD
 McGoeys JW See Ellis BI
 McGowan L See Crawford JS
 McGrath JT See Grossman RI
 McGrath JT See Hackney DB
 McGrath JT See Wood AKW
 McGrath MA; Estroff J; Lebowitz RL: coexistence of obstruction at the ureteropelvic and ureterovesical junctions. *AJR* 1987; 149: 403
 McGrave V See Meyer K
 MacGregor AM See McNeely GF
 MacGregor LA See Robertson AG
 MacGregor JC; Butler P: disc calcification in childhood: computed tomographic and magnetic resonance imaging appearances. *Br J Radiol* 1986; 59: 180
 MacGregor JH; Chen JTT; Chiles C; et al: radiographic distinction between pericardial and myocardial calcifications. *AJR* 1987; 148: 675
 MacGregor JH; Samuelson WM; Sane DC; Godwin JD: opportunistic lung infection caused by *rhodococcus (corynebacterium) equi*. *Radiology* 1986; 160: 83
 MacGregor JM See Godwin JD
 MacGregor RR; Schlyer DJ; Fowler JS; et al: fluorine-18-N-methylspiroperidol: radiolytic decomposition as a consequence of high specific activity and high dose levels. *J Nucl Med* 1987; 28: 60
 MacGregor SN; Tamura RK; Sabbagha RE; et al: underestimation of gestational age by conventional crown-rump length dating curves. (ab). *Radiology* 1988; 166: 586
 McGuinness GA See Myers MG
 McGuire A See McCune WJ
 McGuire AH See Mintun MA
 McGuire EL See Williamson MR
 McGuire EL; Balachandran S; Boyd CM: radiation dosimetry considerations in the treatment of cystic suprasellar neoplasms. *Br J Radiol* 1986; 59: 779
 McGuire J See Lawson JP
 McGuire LJ See Price J
 McGuire MH See English RE
 McGuire MH See Schajowicz F
 McGuire MH See Sundaram M
 McGuire WA See Cohen MD
 McGurk M; Goepel JR; Hancock BW: extranodal lymphoma of the head and neck: review of 49 consecutive cases. (ab). *Radiology* 1986; 158: 861
 Machac J See Horowitz SF
 Machac J See Vallabhajosula S
 Machac J; Levin H; Balk E; et al: computer modeling of planar myocardial perfusion imaging: effect of heart rate and ejection fraction on wall thickness and chamber size. *J Nucl Med* 1986; 27: 653
 Machaj V See Peterson MB
 McHale J See Williams AR
 Machan L; Müller NL; Cooperberg PL: sonographic diagnosis of Kikuchi tumors. *AJR* 1986; 147: 509
 Machan L; Pon MS; Wood BJ; et al: "coffee bean" sign in periaortic and peridiverticular abscess. *J Ultrasound Med* 1987; 6: 373
 McHeffey-Atkinson B See Naidich JB
 Machen BC See Lum GB
 Machen BC See Maertens PM
 Machen BC See Zagoria RJ
 Machen BC; Brodgon GJ: intraprocedural passage of an obstructing ureteral calculus. *CT* 1986; 10: 135
 Machen BC; Williams JP; Lum GB; et al: intracranial gyriform calcification associated with subarachnoid fat. *CT* 1986; 10: 385
 Machen BC; Williams JP; Lum GB; et al: magnetic resonance imaging in neuronal ceroid lipofuscinosis. *CT* 1987; 11: 160
 Machi J; Iwanaga D; Tanaka M; et al: gallstones simulating polyps sonographically: report of two cases. *J Ultrasound Med* 1986; 5: 597
 Machi J; Sigel B; Ramos JR: sonographic evaluation of platelet aggregate retention in a vortex within a simulated venous sinus. *J Ultrasound Med* 1986; 5: 685
 Machi J; Takeda J; Sigel B; Kakegawa T: normal stomach wall and gastric cancer: evaluation with high-resolution operative US. *Radiology* 1986; 159: 85
 Machida K See Ohtake T
 Machida K; Makita K; Nishikawa J; et al: scintigraphic manifestation of fibrous dysplasia. *Clin Nucl Med* 1986; 11: 426
 Machida T See Aoki S
 Machin JE See Fleischer AC
 McHugh MI See MacMillan JC
 McHugh PJ See Dharmasena F
 McHugh TA See Lee F

McHugo JM; McKeown C; Brown MT; et al: ultrasound findings in children with cystic fibrosis. *Br J Radiol* 1987; 60: 137
 Maciejewski B See Withers HR
 McIlhenry J; Sutphen JL; Block CA: food allergy presenting as obstruction in an infant. *AJR* 1988; 150: 373
 McIlrath EM See McKinstry CS
 McIntosh N See Lyon AJ
 McIntosh N See Rose C
 McIntosh N See West L
 McIntosh TK See Vink R
 McIntyre MA See Taylor RE
 McIntyre W See Kloiber R
 McIvor J See Hayward SJ
 McIvor J See Minton MJ
 McIvor J See Winning AJ
 McIvor J; Steiner TJ; Perkin GD; et al: neurological morbidity of arch and carotid arteriography in cerebrovascular disease. the influence of contrast medium and radiologist. *Br J Radiol* 1987; 60: 117
 McIvor J; Treweek PS: case report: direct percutaneous embolisation of a false aneurysm with steel coils. *Clin Radiol* 1988; 39: 205
 Mack JM See Slavin JD Jr
 Mack JM; Rosenberg RJ; Spencer RP: positive gastrointestinal bleeding study from tumor extension into intestine. *Clin Nucl Med* 1987; 12: 820
 Mack JM; Sziklas JJ; Rosenberg RJ; et al: recovery of femoral head perfusion after drainage of septic joint. *Clin Nucl Med* 1987; 12: 850
 Mack LA See Cyr DR
 Mack LA See Darrow VC
 Mack LA See Foster MA
 Mack LA See Harris RD
 Mack LA See Haynor DR
 Mack LA See Kleiner B
 Mack LA See Lenke RR
 Mack LA See Mahony BS
 Mack LA See Montana MA
 Mack LA See Nyberg DA
 Mack LA See Patten RM
 Mack LA See Rifkin MD
 Mack LA See Schoencker SA
 Mack LA See See WA
 Mack LA See Shuman WP
 Mack LA See Wang KY
 Mack LA; Nyberg DA; Matsen FA III: sonographic evaluation of the rotator cuff. *Radiol Clin North Am* 1988; 26: 161
 Mack LA; Nyberg DA; Matsen FA III; et al: sonography of the postoperative shoulder. *AJR* 1988; 150: 1089
 Mackay IG See Kenney JJ
 Mackay IG See Sellar RJ
 McKay JA: urinary tract infections: recent developments. *Radiology* 1988; 169: 144
 McKay R See Brown KA
 McKay RG See Nakao S
 Macke JC See Kraus RA
 Macke R See Kaplan PA
 McKee JD See Arenson AM
 McKee JD See Gupta AK
 McKee JD See Saibil EA
 McKendry JM See Bendall MR
 McKenna KM See Spickler E
 McKenna M See de Crespiigny LC
 McKenna M See Fitzgerald TJ
 McKenna R See Wallace MJ
 McKenna RJ Jr See Libshitz HI
 McKenna RJ Jr See Souba WW
 McKenna RJ Jr; Campbell A; McMurtrey MJ; et al: diagnosis for interstitial lung disease in patients with acquired immunodeficiency syndrome (AIDS): prospective comparison of bronchial washing, alveolar lavage, transbronchial lung biopsy, and open-lung biopsy. (ab). *Radiology* 1986; 160: 571
 McKenna RJ Jr; Libshitz HI; Mountain CE; et al: roentgenographic evaluation of mediastinal nodes for preoperative assessment in lung cancer. (ab). *Radiology* 1986; 158: 565
 McKenna WG; Barnes MM; Kinsella TJ; et al: combined modality treatment of adult soft tissue sarcomas of the head and neck. *Int J Radiat Oncol Biol Phys* 1987; 13: 1127
 McKenna WG; Yeakel K; Klink A; et al: is correction for lung density in radiotherapy treatment planning necessary? *Int J Radiat Oncol Biol Phys* 1987; 13: 273
 McKenzie A See O'Sullivan R
 McKenzie E See Fowlie F
 McKenzie FN See Florence SH
 Mackenzie IS See Robinson EM
 Mackenzie IS; Robinson EM; Wells AN; et al: simple field map for shielding. *Magn Res Med* 1987; 5: 262
 McKenzie R; Khakoo R: blastomycosis of the esophagus presenting with gastrointestinal bleeding. (ab). *Radiology* 1986; 158: 568
 Mackenzie S See Jeans WD
 Mackenzie WE; Holmes DS; Newton JR: spontaneous abortion rate in ultrasonographically viable pregnancies. (ab). *Radiology* 1988; 167: 884

- McKeown C See McHugh JM
 McKeown DK; Nguyen G-K; Rudrick B; et al: carcinoma of the kidney: radiologic findings. *AJR* 1988; 150: 143
- Mackey JK; Alexiewa-Jackson B; Fetters DV; et al: bone and gallium scan findings in malignant fibrous histiocytoma: case report with radiographic and pathologic correlation. *Clin Nucl Med* 1987; 12: 17
- Mackie G See Manns RA
 Mackie IJ See Dawson P
 Mackie KW See Nguyen KT
 McKillop JH See Gillen GJ
 McKillop WJ; O'Sullivan B; Ward GK: non-small cell lung cancer: how oncologists want to be treated. *Int J Radiat Oncol Biol Phys* 1987; 13: 929
- Mackinlay GA See Kenney JJ
 Mackinlay JY See Fidas A
 McKinna JA See Ashby MA
 McKinney JM See Hasso AN
 McKinney R Jr See Silverman PM
 McKinnon A See Munoz WP
 McKinnon GC; Bosiger P: localized double-quantum filter and correlation spectroscopy experiments. *Magn Res Med* 1988; 6: 334
- McKinstry CS See Bell KE
 McKinstry CS See Robinson DA
 McKinstry CS See Vail A
 McKinstry CS; McIlraith EM: staging of the abdominal extent of renal carcinoma by computed tomography. *Eur J Radiol* 1987; 7: 165
- McKinstry CS; Steiner RE; Young AT; Jones I; Swinsky D; Aber V: bone marrow in leukemia and aplastic anemia: MR imaging before, during, and after treatment. *Radiology* 1987; 162: 701
- Macklis RM; Kaplan WD; Ferrara JLM; et al: biodistribution studies of anti-Thy 1.2 IgM immunconjugates: implications for radioimmunotherapy. *Int J Radiat Oncol Biol Phys* 1988; 15: 383
- McKnight L See Colhoun EN
 McKusick KA See Dann J
 McKusick M See Vade A
 McLachlan DRC See Wisniewski KE
 McLaren AC See Miniaci A
 McLaughlin AC See Renshaw PF
 McLaughlin AF See Butler SP
 McLaughlin AF See Davis JM III
 McLaughlin M See Badami JP
 McLaughlin MC See Bojarski RL
 McLaughlin SJ; Gray JG; Braithwaite M: diagnosis of a right iliac fossa mass by computed tomography. *Br J Radiol* 1986; 59: 623
- McLaughlin WW See Rosen JM
 McLaurin RL See Meservy CJ
 McLay KA See Smith FW
 MacLean GD See de Metz CE
 McLean GK See Burke DR
 McLean GK See Fedullo LM
 McLean GK See Lewis VD III
 McLean GK See Meranze SG
 McLean GK See Palmaz JC
 McLean GK See Sacks D
 McLean GK See Svigals PJ
 McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG: radiologically guided balloon dilation of gastrointestinal strictures: part I. technique and factors influencing procedural success. *Radiology* 1987; 165: 35
- McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG: radiologically guided balloon dilation of gastrointestinal strictures: part II. results of long-term follow-up. *Radiology* 1987; 165: 41
- McLean GK; Meranze SG: embolization techniques in the urinary tract. *Radiol Clin North Am* 1986; 24: 671
- McLean GK; Meranze SG; Burke DR: enteric alimentation: radiologic approach. *Radiology* 1986; 160: 555
- McLean GK; Stein EJ; Burke DR; Meranze SG: steel occlusion coils: pretreatment with thrombin. *Radiology* 1986; 158: 549
- McLean JR; Mortimer AJ: cavitation and free radical dosimeter for ultrasound. *Ultrasound Med Biol* 1988; 14: 59
- McLean L; Jeans WD; Horrocks M; et al: place of percutaneous transluminal angioplasty in the treatment of patients having angiography for ischaemic disease of the lower limb. *Clin Radiol* 1987; 38: 157
- McLean RG; Ege GN: prognostic value of axillary lymphoscintigraphy in breast carcinoma patients. *J Nucl Med* 1986; 27: 1116
- MacLean RS See Hammond DI
 McLean WC See Levine PA
 McLeary RD See Lee F
 McLeary RD See Littup PJ
 McLellan J See Dunscombe PB
 McLellan GL See Swartz DA
 McLellan GL: use of a flexible, 22-gauge trocar needle and an obturator for obstructed drainage catheter exchange. *AJR* 1988; 151: 521
- McLellan GL; Scalapino MC: pulmonary artery catheterization: a modified technique. *Radiology* 1988; 169: 264
- McLellan T See Park CH
 McLelland J See Duncan W
 McLelland R See Bird RE
 McLelland R: low-cost mass screening with mammography as a means of reducing overall mortality from breast cancer. *Radiol Clin North Am* 1987; 25: 1087
- McLendon RE See Fulkerson WJ
 McLendon RE See Woodruff WW Jr
 McLennan FM; Foster MA; Smith FW; et al: measurement of total lung water from nuclear magnetic resonance images. *Br J Radiol* 1986; 59: 553
- MacLennan KA See Hudson BV
 MacLennan KA See Makepeace AR
 MacLennan KA See Morgan DAL
 McLeod DG See Hardy MR
 McLeod PM: case report: juvenile xanthogranuloma of the iris managed with superficial radiotherapy. *Clin Radiol* 1986; 37: 295
- McLeod PM; Tyrrell CJ; Keeling DH: effect of cisplatin on renal function in patients with testicular tumours. *Clin Radiol* 1988; 39: 190
- McLeod RA See Ehlman RL
 McLeod RA: general case of the day: annual meeting 1985. *Radiographics* 1986; 6: 504
- MacLer LM See Siemann DW
 MacLer L See Blumhagen JD
 McLone DG See Naidich TP
 McLone DG See Nelson MD Jr
 McLoud TC See Bourgoignie JM
 McLoud TC See Drucker EA
 McLoud TC See Kushner DC
 McLoud TC See Mueller PR
 McLoud TC See Shepard JO
 McLoud TC See Spitzarny DL
 McLoud TC See Vydyareny KH
 McLoud TC: use of CT in the examination of asbestos-exposed persons. *Radiology* 1988; 169: 862
- McLoud TC; Epler GR; Colby TV; Gaensler EA; Carrington CB: bronchiolitis obliterans. *Radiology* 1986; 159: 1
- McLoughlin MJ See Ho C-S
 McLoughlin MJ; Fanti JE; Kura ML: ectopic gallbladder: sonographic and scintigraphic diagnosis. *JCU* 1987; 15: 258
- McMahon JR See Bird CR
 McMahon H See Chan H-P
 McMahon H See Fujita H
 McMahon H See Hatfield MK
 McMahon H See Stewart JG
 McMahon H; Metz CE; Doi K; Kim T; Giger ML; Chan H-P: digital chest radiography: effect on diagnostic accuracy of hard copy, conventional video, and reversed gray scale video display formats. *Radiology* 1988; 168: 669
- McMahon H; Vyborny CJ; Metz CE; Doi K; Sabetti V; Solomon SL: digital radiography of subtle pulmonary abnormalities: ROC study of the effect of pixel size on observer performance. *Radiology* 1986; 158: 21
- McMannis MJ See Spataro RF
 MacManus D See Johnson G
 MacManus D See Logsdall S
 MacManus F See Lynch D
 MacMathuna P See O'Connor MK
 McMillan A; Horwich A: case report: malignant teratoma presenting with an adrenal mass. *Clin Radiol* 1987; 38: 327
- MacMillan JC; Scott SJ; McHugh MJ; et al: technetium-99m Medronate uptake in subcutaneous soft-tissue nodules in a patient with renal failure and renal adenocarcinoma. *Br J Radiol* 1986; 59: 613
- McMillan N See McCreath GT
 McMillan PJ; Collin J; Fletcher EWL: intraoperative transluminal balloon dilatation permits simpler safer reconstruction surgery. *Clin Radiol* 1988; 39: 91
- MacMillan RM See Rees MR
 MacMillan RM; Rees MR; Marancho V; et al: cine-computed tomography of cor triatriatum. *JCAT* 1986; 10: 124
- McMillin KI See Baker DE
 MacMoran JW; Brand PW: bone loss in limbs with decreased or absent sensation: ten year follow-up of the hands in leprosy. *Skeletal Radiol* 1987; 16: 452
- McMurdo KK See von Schulthes GK
 McMurdo KK; de Geer G; Webb WR; Gamsu G: normal and occluded mediastinal veins: MR imaging. *Radiology* 1986; 159: 33
- McMurdo SK Jr; Brant-Zawadzki M; Bradley WG Jr; Chang GY; Berg BO: dual sinus thrombosis: study using intermediate field strength MR imaging. *Radiology* 1986; 161: 83
- McMurdo SK Jr; Moore SG; Brant-Zawadzki M; et al: MR imaging of intracranial tuberosus sclerosis. *AJNR* 1987; 8: 77
- McMurry HL See Sherouse GW
 McMurtrey M See Wallace MJ
 McMurtrey MJ See McKenna RJ Jr
 McNally NJ See Carl UM
- McNally NJ See Wilson GD
 McNally NJ; de Ronde J; Minchinton AJ; et al: relationship between the misonidazole "pre-incubation" effect and misonidazole-induced depletion of cellular GSH. *Br J Radiol* 1987; 60: 96
- McNally NJ; Wilson GD: cell kinetics of normal and perturbed populations measured by incorporation of bromodeoxyuridine and flow cytometry. *Br J Radiol* 1986; 59: 1015
- McNamara M; Williams CE; Brown TS; et al: tuberculosis affecting the oesophagus. *Clin Radiol* 1987; 38: 419
- McNamara MJ; Chalmers AG; Morgan M; et al: typhilitis in acute childhood leukaemia: radiological features. *Clin Radiol* 1986; 37: 83
- McNamara MT See Ehlman RL
 McNamara MT See Fisher MR
 McNamara MT See Gould RG
 McNamara MT See Higgins CB
 McNamara MT See Tscholakoff D
 McNamara MT; Brant-Zawadzki M; Berry L; Pereira B; Weinstein FR; Derugin N; Moore S; Kucharczyk W; Brach RC: acute experimental cerebral ischemia: MR enhancement using Gd-DTPA. *Radiology* 1986; 158: 701
- McNamara MT; Higgins CB: magnetic resonance imaging of chronic myocardial infarcts in man. *AJR* 1986; 146: 315
- McNamara MT; Tscholakoff D; Revel D; Soulen RL; Schechtman N; Botvinick EH; Higgins CB: differentiation of reversible and irreversible myocardial injury by MR imaging with and without gadolinium-DTPA. *Radiology* 1986; 158: 765
- McNamara T: technique and results of "higher-dose" infusion. *Cardiovasc Intervent Radiol* 1988; 11: 548
- McNamee P See Katz J
 MacNaught R; Symonds RF; Hole D; et al: improved control of primary vaginal tumours by combined external-beam and interstitial radiotherapy. *Clin Radiol* 1986; 37: 29
- McNeal GE; Maynard WH; Branch RA; Powers TA; Arms PA; Gunter K; Fitzpatrick JM; Partain CL: liver volume measurements and three-dimensional display from MR images. *Radiology* 1988; 169: 851
- McNeal J See Sommer G
 McNeal JE See Carroll CL
 McNeal JE See Hricak H
 McNeal JE See Sommer FG
 McNeely GF; Dickhaus AJ; Colella JP; Hawkins IF Jr: percutaneous transhepatic cholecystostomy in a patient with a biliary obstruction. *Radiology* 1986; 161: 274
- McNeely GF; Kinard RE; Macgregor AM; et al: percutaneous contrast examination of the stomach after gastric bypass. *AJR* 1987; 149: 928
- McNeely LK; Jacobson GM; Leavitt DD; et al: electron arc therapy: chest wall irradiation of breast cancer patients. *Int J Radiat Oncol Biol Phys* 1988; 14: 1287
- McNeese M See Jha N
 McNeese MD See Matthews RH
 McNeese MD See Slater JD
 McNeill BJ See Begg CB
 McNeill BJ See Trisolini MG
 McNeill BJ See Tumeh SS
 McNeill BJ: radiology department management system: technologists' costs: reply. *Radiology* 1986; 159: 566
- Macneil PB See Leppo JA
 McNeill JA; Laurado JC: innocent intramural gastric uptake of gallium-67 in a case of AIDS. *Clin Nucl Med* 1986; 11: 123
- McNeill K See Seeley GW
 McNeill TH; Koek LL; Brown SA; et al: effect of misonidazole on neurotransmitter systems. *Int J Radiat Oncol Biol Phys* 1986; 12: 1067
- McNeill TW See Huckman MS
 McNicholas P See Greenberg ID
 McNiesh LM See Lower RF
 McNiesh LM See Van Nostroled K
 McNiesh LM: unique musculoskeletal trauma. *Clin Radiol North Am* 1987; 25: 1107
- McNiesh LM; Callaghan JF: CT arthrography of the shoulder: variations of the glenoid labrum. *AJR* 1987; 149: 963
- Macovski A See Nishimura DG
 Macovski A See Sommer G
 Macovski A; Spielman D; in vivo spectroscopic magnetic resonance imaging using estimation theory. *Magn Res Med* 1986; 3: 97
- McPeck EC See Wolkov HB
 McPhaul LW See Bottles K
 McPhee SJ; Garnick DW: imaging the heart: cardiac scintigraphy and echocardiography in U.S. hospitals (1983). *J Nucl Med* 1986; 27: 1635
- Macpherson P See Coutinho C
 Macpherson P; Teasdale E; Hadley DM; et al: invasive v non-invasive assessment of the carotid arteries prior to trans-sphenoidal surgery. *Neuroradiol* 1987; 29: 457

Macpherson

- Macpherson RI** See **Leithiser RE Jr**
- Macpherson RI**: supernumerary kidney: typical and atypical features. *J Canad Assoc Radiol* 1987; 38: 116
- Macpherson RI; Holgate RC; Gudeman SK**: midline central nervous lipomas in children. *J Canad Assoc Radiol* 1987; 38: 264
- Macpherson RI; Leithiser RE Jr**: serendipitous diagnosis of childhood xanthogranulomatous pyelonephritis in a child with osteomyelitis. *Pediatr Radiol* 1987; 17: 159
- Macpherson RI; Leithiser RE Jr; Gordon L**: Turner WM: posterior urethral valves: update and review. *Radiographics* 1986; 6: 753
- McQuown D** See **Bhatia NN**
- McRae D; Rodgers J; Dritschilo A**: dose-volume and complications in interstitial implants for breast carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 525
- Macrander S** See **Kneeland JB**
- Macrander S** See **Middleton WD**
- McRobbie DW** See **Jennings SJ**
- McRobbie DW** See **Lerski RA**
- McShan DL** See **Frass BA**
- McShan DL** See **Ten Haken RK**
- McSweeney MB** See **Leibman AJ**
- McSweeney WJ** See **Fearon T**
- McVay LV** See **Zeman RK**
- McVay LV III** See **Bluth EI**
- McVeigh ER** See **Bronskill MJ**
- McVeigh ER** See **Mayo JR**
- McVeigh ER; Bronskill MJ; Henkelman RM**: optimization of MR protocols: a statistical decision analysis approach. *Magn Res Med* 1988; 6: 314
- McVeigh MC; Merchut MF; Karesh SM; Ghobrial MW; Dillehay DL**: intracranial tumors: unexpected uptake of I-123 HIPDM. *Radiology* 1986; 161: 409
- McVerry BA** See **Auger MJ**
- McWade M** See **Garrett P**
- McWey RE** See **Moore LB**
- McWey RE** See **Vujic I**
- McWilliam LJ** See **Slevin NJ**
- Maddahi J** See **Prigent F**
- Maddahi J** See **Reisman S**
- Maddrey WC** See **Wechsler RJ**
- Madell SJ** See **Sullivan RF**
- Maderazo EG; Hickingbotham NB; Woronick CL**: et al: influence of various factors on the accuracy of gallium-67 imaging for occult infection. *J Nucl Med* 1988; 29: 608
- Madewell JE** See **David R**
- Madewell JE** See **Kumar R**
- Madewell JE** See **Lichtenstein JE**
- Madewell JE** See **Moser RP Jr**
- Madewell JE** See **Van Nostrand D**
- Madigan SW** See **King PS**
- Madkour MM; Sharif HS; Abed MY**: et al: osteoarthral brucellosis: results of bone scintigraphy in 140 patients. *AJR* 1988; 150: 1101
- Madrazo BL** See **Sandler MA**
- Madrid G; Pardo J; Perez C**: et al: neurofibroma of the oesophagus: case report. *Eur J Radiol* 1986; 6: 67
- Madsen EL; Frank GR; Carson PL**: et al: interlaboratory comparison of ultrasonic attenuation and speed measurements. *J Ultrasound Med* 1986; 5: 569
- Madsen JL**: scintigraphic detection of clavicular hyperostosis in a patient with fulminant acne. *Clin Nucl Med* 1988; 13: 345
- Madsen M** See **Intenzo C**
- Madsen MT** See **Intenzo CM**
- Madsen MT** See **Park CH**
- Madsen MT; Park CH; Thakur ML**: dosimetry of iodine-131 Ethiodol in the treatment of hepatoma. *J Nucl Med* 1988; 29: 1038
- Madura JA** See **Siddiqui AR**
- Maeda H** See **Maki S**
- Maeda H** See **Miyake H**
- Maeda H** See **Mori H**
- Maeda K** See **Nakagawa N**
- Maeda K**: policy statement of the Japanese Society for Ultrasound in Medicine. *Ultrasound Med Biol* 1986; 12: 716
- Maeda K**: studies on safety of diagnostic ultrasound. *Ultrasound Med Biol* 1986; 12: 693
- Maeda M** See **Nitta T**
- Maeda M** See **Yoshimura H**
- Maeda Y** See **Matsumoto T**
- Maegaard KK** See **Rodenberg JC**
- Maehara T** See **Tanohata K**
- Maehara T; Tanohata K; Noda M**: et al: medically treated steroid-induced epidural lipomatosis. *Neuroradiol* 1988; 30: 281
- Maertens PM; Machen BC; Williams JP**: et al: magnetic resonance imaging of mesial temporal sclerosis: case reports. *CT* 1987; 11: 136
- Mafee MF** See **Deutsch EC**
- Mafee MF** See **Henrikson GC**
- Mafee MF** See **Langer BG**
- Mafee MF** See **Miller MT**
- Mafee MF** See **Peyman GA**
- Mafee MF** See **Tan WS**
- Mafee MF** See **Venkatasubramanian PN**
- Mafee MF**: acoustic neuroma and other acoustic nerve disorders: role of MRI and CT: an analysis of 238 cases. *Semin US CT MR* 1987; 8: 256
- Mafee MF; Aimi K; Kahen HL; Valvassori GE; Capek V**: chronic otomastoiditis: conceptual understanding of CT findings. *Radiology* 1986; 160: 193
- Mafee MF; Goldberg MF**: persistent hyperplastic primary vitreous (PHPV): role of computed tomography and magnetic resonance. *Radiol Clin North Am* 1987; 25: 683
- Mafee MF; Goldberg MF; Greenwald MJ**: et al: retinoblastoma and simulating lesions: role of CT and MR imaging. *Radiol Clin North Am* 1987; 25: 667
- Mafee MF; Haik BG**: lacrimal gland and fossa lesions: role of computed tomography. *Radiol Clin North Am* 1987; 25: 767
- Mafee MF; Jampol LM; Langer BG**: et al: computed tomography of optic nerve colobomas, morning glory anomaly, and colobomatous cyst. *Radiol Clin North Am* 1987; 25: 693
- Mafee MF; Kumar A; Tahmouresi CN**: et al: direct sagittal CT in the evaluation of temporal bone disease. *AJNR* 1988; 9: 371
- Mafee MF; Linder B; Peyman GA; Langer BG; Choi KH; Capek V**: chorioidal hematoma and effusion: evaluation with MR imaging. *Radiology* 1988; 168: 781
- Mafee MF; Miller MT; Tan W**: et al: dynamic computed tomography and its application to ophthalmology. *Radiol Clin North Am* 1987; 25: 715
- Mafee MF; Peyman GA**: retinal and chorioidal detachments: role of magnetic resonance imaging and computed tomography. *Radiol Clin North Am* 1987; 25: 487
- Mafee MF; Peyman GA; Grisolan JM; Fletcher ME; Spigos DG; Wehrli FW; Rasouli F; Capek V**: malignant uveal melanoma and simulating lesions: MR imaging evaluation. *Radiology* 1986; 160: 773
- Mafee MF; Pruzansky S; Corrales MM**: et al: CT in the evaluation of the orbit and the bony interorbital distance. *AJNR* 1986; 7: 265
- Mafee MF; Putterman A; Valvassori GE**: et al: orbital space-occupying lesions: role of computed tomography and magnetic resonance imaging. analysis of 145 cases. *Radiol Clin North Am* 1987; 25: 529
- Maffessanti M; Tommasi M; Pellegrini P**: computed tomography of free pleural effusions. *Eur J Radiol* 1987; 7: 87
- Magagna LS**: multiple choice questions in radiology. *Radiology* 1987; 162: 82
- Magge BJ; Gattamanen HR; Pearson D**: adrenal cortical carcinoma: survival after radiotherapy. *Clin Radiol* 1987; 38: 587
- Magge BJ; Stout R**: malignant epithelial tumours of the thymus: survival after radiotherapy. *Clin Radiol* 1986; 37: 273
- Magge F; Wright JL; Kay JM**: et al: pulmonary capillary hemangiomatosis. (ab). *Radiology* 1986; 158: 862
- Magge P** See **Langton JA**
- Magerstadt M; Gansow OA; Brechbiel MW**: et al: Gd(DOTA): alternative to Gd(DTPA) as a T₁2 relaxation agent for NMR imaging or spectroscopy. *Magn Res Med* 1986; 3: 808
- Maggart M; Stewart S**: mechanisms and management of noncardiogenic pulmonary edema following cardiopulmonary bypass. (ab). *Radiology* 1987; 164: 882
- Maggio WM** See **Park TS**
- Maggisano R** See **Saibil EA**
- Maggis PR** See **Thayer JO**
- Magid D** See **Farmlett EJ**
- Magid D** See **Fishman EK**
- Magid D** See **Kuhlman JE**
- Magid D** See **Mandelbaum BR**
- Magid D** See **Merline DS**
- Magid D** See **Roberts JL**
- Magid D** See **Scott WW Jr**
- Magid D** See **Yousem DM**
- Magid D**: basic bone radiology. 2d ed., *Radiology* 1988; 166: 388
- Magid D; Fishman EK**: computed tomography of acetabular fractures. *Semin US CT MR* 1986; 7: 351
- Magid D; Fishman EK; Brooker AF Jr**: et al: multiphase computed tomography of acetabular fractures. *JCAT* 1986; 10: 778
- Magid D; Fishman EK; Charache S; Siegelman SS**: abdominal pain in sickle cell disease: role of CT. *Radiology* 1987; 163: 325
- Magid D; Fishman EK; Sponseller PD; Griffin PP**: 2D and 3D computed tomography of the pediatric hip. *Radiographics* 1988; 8: 901
- Magid D; Fishman EK; Wharam MD Jr**: et al: musculoskeletal desmoid tumors: CT assessment during therapy. *JCAT* 1988; 12: 222
- Magill HL** See **Brown D**
- Magill HL** See **Fitch SJ**
- Magill HL** See **Fletcher BD**
- Magill HL** See **Tonkin ILD**
- Magill HL; Clarke EA; Fitch SJ; Boulden TF; Ramirez R; Siegle RL; Somes GW**: excretory urography with iohexol: evaluation in children. *Radiology* 1986; 161: 625
- Magill HL; Roy S III; Stapleton FB**: CT peritoneography in evaluation of pediatric dialysis complications. *AJR* 1986; 147: 325
- Magilliner DJ Jr; Duvernoy C; Malik G**: et al: surgical approach to lung cancer with solitary cerebral metastasis: twenty-five years' experience. (ab). *Radiology* 1987; 163: 586
- Magilner AD**: esophageal atresia and hypertrophic pyloric stenosis: sequential coexistence of disease (case report). *AJR* 1986; 147: 329
- Magin RL; Wright SM; Niesman MR**: et al: liposome delivery of NMR contrast agents for improved tissue imaging. *Magn Res Med* 1986; 3: 440
- Maglente DDT** See **Bessette JR**
- Maglente DDT** See **Glick SN**
- Maglente DDT** See **Herlinger H**
- Maglente DDT** See **Kelvin FM**
- Maglente DDT** See **Lappas JC**
- Maglente DDT** See **Vahay TN**
- Maglente DDT; Alvarez SZ; Ng AC**: et al: patterns of calcifications and cholangiographic findings in hepatobiliary tuberculosis. *Gastrointest Radiol* 1988; 13: 331
- Maglente DDT; Chernish SM; DeWeese R; Kelvin FM; Brunelle RL**: acquired jejunoileal diverticular disease: subject review. *Radiology* 1986; 158: 577
- Maglente DDT; Fleischer AC; Chua GT**: et al: sonography of appendiceal intussusception. *Gastrointest Radiol* 1987; 12: 163
- Maglente DDT; Lappas JC; Chernish SM; Sellink JL**: intubation routes for enteroclysis. *Radiology* 1986; 158: 553
- Maglente DDT; Lappas JC; Kelvin FM; Rex D; Chernish SM**: small bowel radiography: how, when, and why? *Radiology* 1987; 163: 297
- Maglente DDT; Lappas JC; Ng AC**: sonography of Bouveret's syndrome. *J Ultrasound Med* 1987; 6: 675
- Magnaldi S** See **Stacul F**
- Magnus DE** See **Seigel RS**
- Magnusson JE; Brown ML; Hauser MF; Berquist TH; Fitzgerald RH; Klee GG**: In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities. *Radiology* 1988; 168: 235
- Magoun S** See **Shih W-J**
- Magruder-Habib K** See **Halvorsen RA Jr**
- Maguire C** See **Powe J**
- Maguire FP** See **du Cret RP**
- Maguire GP** See **DeLorenzo LJ**
- Magura C** See **Maruyama Y**
- Mah CL** See **El-Shafie M**
- Mah K; Poon FY; Van Dyk J**: et al: assessment of acute radiation-induced pulmonary changes using computed tomography. *JCAT* 1986; 10: 736
- Mah K; Van Dyk J; Keane T**: et al: acute radiation-induced pulmonary damage: clinical study on the response to fractionated radiation therapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 179
- Mahaffey SM; Ryckman FC; Martin LW**: clinical aspects of abdominal masses in children. *Semin Roentgenol* 1988; 23: 161
- Mahajan KK** See **Abdel-Dayem HM**
- Mahajan R** See **Bhushan B**
- Mahan J** See **Day DL**
- Mahanta B** See **Patel B**
- Mahanta B** See **Vas WG**
- Mahapatra AK** See **Bhatia S**
- Mahar P** See **Conant EF**
- Mahboubi S** See **Horstmann H**
- Mahboubi S** See **Igdbashian V**
- Mahboubi S** See **Ortega W**
- Mahboubi S**: CT appearance of nidus in osteoid osteoma versus sequestration in osteomyelitis. *JCAT* 1986; 10: 457
- Mahboubi S; Caro PA**: computed tomography in the evaluation of tubo-ovarian abscesses in children. *CT* 1986; 10: 67
- Mahboubi S; Horstmann H**: femoral torsion: CT measurement. *Radiology* 1986; 160: 843
- Mahboubi S; Patel K; O'Neill JA**: computed tomography in the evaluation of adrenal glands in infants and children. *CT* 1988; 12: 240
- Mahboubi S; Rostain A**: computed tomography finding in Mayer-Rokitansky-Kuster-Hauser syndrome associated with endometriosis: a case report. *CT* 1987; 11: 301
- Mahboubi S; Sunaryo FF; Glassman MS**: et al: computed tomography, management, and follow-up in infantile hemangioma/endothelioma of the liver in infants and children. *CT* 1987; 11: 370
- Mahdi AH** See **Kolawole TM**

- Mahendran M; Fitzgerald-Finch OP; Gwilt DJ: pulmonary embolism, haematemesis and the Gunther vena caval filter, *Br J Radiol* 1987; 60: 595
- Maher JM See Smith R
- Maher JW See Abu-Yousef MM
- Maher KP; Malone JF; Hurley GD; et al: evaluation of the processing functions of a digital subtraction angiography image processor, *Br J Radiol* 1988; 61: 62
- Maher O See Mitchell IM
- Maheshwari R See Rajani M
- Mahood F; Hix WR; Aaron BL; et al: reexpansion pulmonary edema, (ab), *Radiology* 1988; 169: 586
- Mahler F See Do-dai-Do
- Mahler PA See Beittler MK
- Mahler PA See Evans ML
- Mahmoud AR See El-Gazzar AH
- Mahoney DK See Huang S-C
- Mahoney LT See Frey EE
- Mahoney LT; Smith W; Noel MP; et al: measurement of right ventricular volume using cine computed tomography, *Invest Radiol* 1987; 22: 451
- Mahoney MC See Shipley RT
- Mahoney MC; Shipley RT: neofissure after right upper lobectomy: radiographic evaluation, *Radiology* 1988; 166: 721
- Mahoney MD; Sauer DD; Hanson EC; Wood VE; Thiel AE: adhesive capsulitis of the wrist: arthrographic diagnosis, *Radiology* 1988; 167: 187
- Mahoney PD See Kelly RB
- Mahony BS See Baker ME
- Mahony BS See Cohan RH
- Mahony BS See Davis WK
- Mahony BS See Foster MA
- Mahony BS See Gale JT
- Mahony BS See Hoddick WK
- Mahony BS See Nyberg DA
- Mahony BS See Tamas DE
- Mahony BS; Bowie JD; Killam AP; Kay HH; Cooper C: epiphyseal ossification centers in the assessment of fetal maturity: sonographic correlation with the amniocentesis lung profile, *Radiology* 1986; 159: 521
- Mahony BS; Nyberg DA; Hirsch JH; Petty CN; Hendricks SK; Mack LA: mild idiopathic lateral cerebral ventricular dilatation in utero: sonographic evaluation, *Radiology* 1988; 169: 715
- Mahony L See Hurwitz RA
- Maier H See Bihl H
- Maier S See Meier D
- Maier W; Roscher R; Malfertheiner P; et al: pancreatic pseudocyst of the mediastinum: evaluation by CT, *Eur J Radiol* 1986; 6: 70
- Maietta K See Robbins AH
- Mail JT See Benenati JF
- Mail JT See Rees CR
- Mailander J See Graves VB
- Mailander JC: "black beard" sign of monostotic Paget's disease of the mandible, *Clin Nucl Med* 1986; 11: 325
- Maille CW See Letourneau JG
- Maille CW See Schreiman JS
- Maillet PJ; Felle-Francois D; Laville M; Gay F; Pinet A: nondilated obstructive aortic renal failure: diagnostic procedures and therapeutic management, *Radiology* 1986; 160: 659
- Maillet C See Wolfram-Gabel R
- Maillois G; Bertrand M; Stampfer R; et al: computer analysis of echographic textures in Hashimoto disease of the thyroid, *JCU* 1986; 14: 521
- Maillois LU See Naidich JB
- Maini CI See Incalzi RA
- Mainwaring BL; Daffner RH; Riemer BL: pylon fractures of the ankle: a distinct clinical and radiologic entity, *Radiology* 1988; 168: 215
- Mainwaring BL; Khoury MB; Khodadoust K: case report 484, *Skeletal Radiol* 1988; 17: 295
- Maioresa A See Preziosi P
- Maire JP See Caudry M
- Maisey MN See Ayres JG
- Maisey MN See Ramtoola S
- Maitem AN See Cooper SG
- Maitrot D See Krause D
- Maiza D See Courthouex P
- Maizel AS; Bookstein JJ: streptokinase, urokinase, and tissue plasminogen activator: pharmacokinetics, relative advantages, and methods for maximizing rates and consistency of lysis, *Cardiovasc Intervent Radiol* 1986; 9: 236
- Majd M See ter Meulen DC
- Majd M; Kass EJ; Belman AB: radionuclide cystography in children: comparison of direct (retrograde) and indirect (intravenous) techniques, (ab), *Radiology* 1986; 158: 288
- Majer MC; Hess CF; Köbel G; Schmiedl U: small arteries in peripheral lymph nodes: a specific US sign of lymphomatous involvement, *Radiology* 1988; 168: 241
- Majid OA; Lee S; Khushalani S; et al: response of atelectasis from lung cancer to radiation therapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 231
- Major F Jr See Walton L
- Major FJ See Hornback NB
- Majors AW See Ng TC
- Majumdar S See Gore JC
- Majumdar S; Gmitro A; Orphanoudakis SC; et al: estimation and correction scheme for system imperfections in multiple-echo magnetic resonance imaging, *Magn Res Med* 1987; 4: 203
- Majumdar S; Orphanoudakis SC; Gmitro A; et al: errors in the measurements of T_2 using multiple-echo MRI techniques. I. effects of radiofrequency pulse imperfections, *Magn Res Med* 1986; 3: 397
- Majumdar S; Orphanoudakis SC; Gmitro A; et al: errors in the measurements of T_2 using multiple-echo MRI techniques. II. effects of static field inhomogeneity, *Magn Res Med* 1986; 3: 562
- Majumdar S; Zoghbi S; Pope CF; Gore JC: quantitation of MR relaxation effects of iron oxide particles in liver and spleen, *Radiology* 1988; 169: 653
- Mak HK See Herman MW
- Makarainen H; Paivansalo M; Hyrynkangas K; et al: sonographic patterns of carotid body tumors, *JCU* 1986; 14: 373
- Makepeace AR; Ferment DC; Bennett MH: gastrointestinal non-Hodgkin's lymphoma, *Clin Radiol* 1987; 38: 609
- Makepeace AR; Ferment DC; Bennett MH: non-Hodgkin's lymphoma of the thyroid, *Clin Radiol* 1987; 38: 277
- Makepeace AR; MacLennan KA; Hudson GV; et al: Hodgkin's disease in childhood: British National Lymphoma Investigation experience (BNLI report no. 27), *Clin Radiol* 1987; 38: 7
- Makhija M; Boffill ER: hemangioma, a rare cause of photopenic lesion on skeletal imaging, *Clin Nucl Med* 1988; 13: 661
- Maki DG See Pirsch JD
- Maki S; Konno T; Maeda H: image enhancement in computerized tomography for sensitive diagnosis of liver cancer and semiquantitation of tumor selective drug targeting with oily contrast medium, (ab), *Radiology* 1986; 158: 566
- Maki Y See Yoshi Y
- Makinen J See Salo JO
- Makino N See Shimamoto K
- Makino S See Tamura K
- Makita K See Furu S
- Makita K See Itai Y
- Makita K See Machida K
- Makita K See Ohtomo K
- Makkonen TA; Nordman E: estimation of long-term salivary gland damage induced by radiotherapy, *Acta Oncol* 1987; 26: 307
- Makler PT Jr See Feldman N
- Makler PT Jr See Lucas-Fehm LM
- Makler PT Jr See Minkkin J
- Makler PT Jr; McCarthy DM; Bergery P; et al: multiple-hospital survey of ejection-fraction variability using a cardiac phantom, (ab), *Radiology* 1986; 158: 573
- Makowka I See Cobourn C
- Makowka I See Harris KM
- Makowka I See Takaki AG
- Makuuchi M See Takayasu K
- Malaise EP See Reynaud-Bougnoux A
- Malaise EP; Fertil B; Chavandra N; et al: distribution of radiation sensitivities for human tumor cells of specific histological types: comparison of *in vitro* to *in vivo* data, *Int J Radiat Oncol Biol Phys* 1986; 12: 617
- Malamed D: clinician's guide to diagnostic imaging, 2d ed., *Radiology* 1988; 167: 600
- Malamed D: introduction to diagnostic imaging, *Radiology* 1987; 163: 122
- Malamed D: roentgen signs in diagnostic imaging, 2d ed. vol. 4, the chest, *Radiology* 1988; 167: 672
- Malangoni MA See Mavroudis C
- Malanowski D See Vock P
- Malat J See Markowitz RI
- Malat J See Palestro CJ
- Malat J See Siakind SJ
- Malat J See Zinreich SJ
- Malatack JJ See Rothfus WE
- Malatesta V See Corbetti F
- Malbec I See Buy J-N
- Malchair FL See Gordenne WH
- Malcolm AJ See Tait NP
- Maldague B See Devogelaer JP
- Maldague B See Huax JP
- Maldague B See Malghem J
- Malecky G See Phelan E
- Maleki N See Kalnicki S
- Maleki N See Lutz W
- Malekzadeh M See Stanley P
- Malfertheiner P See Maier W
- Malghem J See Devogelaer JP
- Malghem J See Huax JP
- Malghem J; Maldague B: post-traumatic cyst-like lesions, *Skeletal Radiol* 1987; 16: 403
- Malghem J; Maldague B: transient fatty cortical defects following fractures in children, *Skeletal Radiol* 1986; 15: 368
- Malhotra CM; Balko A; Wincze JP; Bansal S; Sussel JG: cavernosography in conjunction with artificial erection for evaluation of venous leakage in impotent men, *Radiology* 1986; 161: 799
- Mali WFTM See Puylaert CBAJ
- Mali WFTM; Oei HY; Arndt JW; et al: hemodynamics of the varicocele, part 1: correlation among the clinical, phlebographic, and scintigraphic findings, (ab), *Radiology* 1986; 160: 858
- Mali WFTM; Oei HY; Arndt JW; et al: hemodynamics of the varicocele, part 2: correlation among the results of renocaval pressure measurements, varicocele scintigraphy, and phlebography, (ab), *Radiology* 1986; 160: 858
- Mali WFTM; Puylaert CBAJ; Kouwenberg HJ; Klinge J; Donckerwolcke RAM; Geijkes BG; Overbosch EH; Rosenbusch GJE; Ludwig WW; Feldberg MAM: percutaneous transluminal renal angioplasty in children and adolescents, *Radiology* 1987; 165: 391
- Malik G See Magilligan DJ Jr
- Malik MH: blood pool SPECT and planar imaging in hepatic hemangioma, *Clin Nucl Med* 1987; 12: 543
- Malik S See Denshaw DD
- Malinoff H See Mount JM
- Malinosky RM See Miller DL
- Malisan MR See Contents G
- Malissard L See Langlois D
- Malkin M See Krol G
- Malke JA See Braun IF
- Malke JA See Davis FC
- Malke JA See Dixon WT
- Malke JA; Hoffman JC Jr; McClees EC; et al: phantom study of intracranial CSF signal loss due to pulsatile motion, *AJNR* 1988; 8: 83
- Malke JA; McClees EC; Braun IF; et al: flexible mercury-filled surface coil for MR imaging, *AJNR* 1986; 7: 246
- Malke JA; McClees EC; Braun IF; et al: nonplanimetric technique for measuring fluid volumes using MR imaging—phantom results, *AJNR* 1987; 8: 267
- Malke JA; Nelson RC: controlled eddy currents: applications to MR imaging, *JCAT* 1987; 11: 1044
- Malke JA; Van Heertum RL; Gullberg GT; et al: SPECT liver imaging using an iterative attenuation correction algorithm and an external flood source, *J Nucl Med* 1986; 27: 701
- Mali JC; Kaiser JA: usual appearance of the postoperative lumbar spine, *Radiographics* 1987; 7: 245
- Malik JA See Calabrese LH
- Mallens WMC; Nijhuis-Heddes JMA; Bakker W: calcified lymph node metastases in bronchioloalveolar carcinoma, *Radiology* 1986; 161: 103
- Mallett E See Fochaczewsky R
- Malley M See Gini A
- Malley MJ; Holmes RA: mastocytosis: scintigraphic findings with bony involvement, *Clin Nucl Med* 1988; 13: 673
- Malley MJ; Holmes RA: serendipitous detection of intrarenal abscesses on technetium-99m MDP imaging while evaluating a foot ulcer, *Clin Nucl Med* 1988; 13: 127
- Mallikarjuniah GS; Solomon B; Ramamurthy BS: lateral displacement of the bladder, *Australas Radiol* 1986; 30: 46
- Mallikarjuniah GS; Solomon B; Reddy DG: double bladder (report of two unusual cases), *Australas Radiol* 1986; 30: 51
- Malloy CR See Katz J
- Malmgren N; Laurin S; Ivancev K; et al: mediastinal pseudomass: pneumonia and atelectasis behind the left pulmonary ligament, *Pediatr Radiol* 1987; 17: 451
- Malmgren N; Laurin S; Lundström N-R: pulmonary artery sling: diagnosis by magnetic resonance imaging, *Acta Radiol* 1988; 29: 7
- Malmivaara A: disc degeneration in the thoracolumbar junctional region: evaluation by radiography and discography in autopsy, *Acta Radiol* 1987; 28: 755
- Malmud LS See Charkes ND
- Malmud LS See Maurer AH
- Malnor MD; Houston LW; Strother CM; Turksi PA; Sackett JF; Boyer M: iotrol versus metrizamide in lumbar myelography: double-blind study, *Radiology* 1986; 158: 845
- Malone DE; McCormick PA; O'Donoghue DF; et al: computed tomography of the liver after biopsy, *Clin Radiol* 1987; 38: 97
- Malone JF See Maher KP

- Malone M; de Bruyn R; Spitz L: skeletal-muscle haemangioma presenting as an abdominal mass. *Br J Radiol* 1986; 59: 513
- Malone RS See Atthey PA
- Maloney MD See Smith DC
- Maloney TR See Ramos-Gabatin A
- Malpas JS: cancer: the consequences of cure. *Clin Radiol* 1988; 39: 166
- Malt RA See Butch R
- Malt RA See Mueller FR
- Maltby P See Saverymutter SH
- Maly P; Bach-Gansmo T; Elmqvist D: risk of seizures after myelography: comparison of iohexol and metrizamide. *AJNR* 1988; 9: 879
- Mamourian AC; Briggs RW: appearance of Pantopaque on MR images. *Radiology* 1986; 158: 457
- Mamourian AC; Pae WE: radiographic appearance of the Medtronic Hall valve prosthesis. *AJR* 1986; 146: 485
- Mamourian AC; Rhodes RE; Duda JJ; et al: MR-directed brain biopsy: feasibility study. *AJNR* 1988; 9: 510
- Mamourian AC; Towfighi J: pineal cysts: MR imaging. *AJNR* 1986; 7: 1081
- Mamota H See Maxwell AJ
- Man KM See Dodds WJ
- Man SFF See Abrams DN
- Man SFF See Phillips DM
- Manabe A; Miyazaki T; Toyoshima H: 0.1-T human fat/water separation by SIDAC. *Magn Res Med* 1987; 5: 492
- Manaster BJ See Datz FL
- Manaster BJ See deVries N
- Manaster BJ See Hardin CW
- Manaster BJ See Jacobs JM
- Manaster BJ See Scott SM
- Manaster BJ See Traugher PD
- Manaster BJ: case report 469. *Skeletal Radiol* 1988; 17: 144
- Manaster BJ: digital wrist arthrography: precision in determining the site of radiocarpal-midcarpal communication. *AJR* 1986; 147: 563
- Manaster BJ; Osborn AG: CT patterns of facet fracture dislocations in the thoracolumbar region. *AJNR* 1986; 7: 1007
- Manaster BJ; Osborn AG: CT patterns of facet fracture dislocations in the thoracolumbar region. *AJR* 1987; 148: 335
- Manaster BJ; Remley K; Newman AP; et al: knee ligament reconstruction: plain film analysis. *AJR* 1988; 150: 337
- Mancall A See Lanzieri CF
- Manchester D See Pretorius DH
- Mancini GB See Sanz ML
- Mancini J See LeFevre MT
- Manco LG; Berlow M; Czajka J; Alfred R: bucket-handle tears of the meniscus: appearance at CT. *Radiology* 1988; 168: 709
- Manco LG; DeLuca DM: CT diagnosis of synovial chondromatosis of the temporomandibular joint. *AJR* 1987; 148: 574
- Manco LG; Kavanaugh JH; Fay JJ; Bilfield BS: meniscus tears of the knee: prospective evaluation with CT. *Radiology* 1986; 159: 147
- Manco LG; Kavanaugh JH; Lozman J; et al: diagnosis of meniscal tears using high-resolution computed tomography. (ab). *Radiology* 1987; 165: 589
- Manco LG; Lozman J; Coleman ND; Kavanaugh JH; Bilfield BS; Dougherty J: noninvasive evaluation of knee meniscal tears: preliminary comparison of MR imaging and CT. *Radiology* 1987; 163: 727
- Manco LG; Nunan FA Jr; Sohnen H; et al: fetal small bowel simulating an abdominal mass at sonography. *JCU* 1986; 14: 404
- Manco-Johnson ML See Pretorius DH
- Manco-Johnson ML See Ross SC
- Manco-Johnson ML See Russ PD
- Manco-Johnson ML: diagnostic ultrasound imaging in pregnancy: report of the National Institutes of Health Consensus Development Conference 1984. *Ultrasound Med Biol* 1986; 12: 710
- Mancuso AA See Akins EW
- Mancuso AA See Casselman JW
- Mancuso AA See Parsons JT
- Mancuso AA See Stevens MH
- Mancuso AA See Virapongse C
- Mancuso I; Bondi F; Lacona MA; et al: echocardiographic evidence of mediastinal lymph node enlargement in T-acute lymphoblastic leukemia with acute pericarditis. *JCU* 1986; 14: 296
- Mancuso L; Canonico A; Pitrolo F; et al: infective endocarditis of the aortic valve with evidence of vegetations in the outflow tract of the left ventricle. *J Ultrasound Med* 1986; 5: 465
- Mandalam R See Rao VRK
- Mandel SR; Jacques PF; Mauro MA; et al: nonoperative management of peripancreatic arterial aneurysms: a 10-year experience. (ab). *Radiology* 1987; 164: 590
- Mandelbaum B See Hartzman S
- Mandelbaum B See Reicher MA
- Mandelbaum BR See Fishman EK
- Mandelbaum BR; Magid D; Fishman EK; et al: multiplanar computed tomography: multidimensional tool for evaluation and treatment of acetabular fractures. *CT* 1987; 11: 167
- Mandelblatt SM; Braun IF; Davis PC; Fry SM; Jacobs LH; Hoffman JC Jr: parotid masses: MR imaging. *Radiology* 1987; 163: 411
- Mandell GA See Harcke HT
- Mandell GA; Finkelstein M: gastric pneumatosis secondary to an intramural feeding catheter. *Pediatr Radiol* 1988; 18: 418
- Mandell GA; Harcke HT: extrinsic causes of vesical filling defects in scintigraphy. *Clin Nucl Med* 1987; 12: 204
- Mandell GA; Harcke HT: pelvic "doughnut": sign of incidental pregnancy on bone scintigraphy. *Clin Nucl Med* 1987; 12: 116
- Mandell GA; Harcke HT: scintigraphic manifestations of infraction of the second metatarsal (Freiberg's disease). *J Nucl Med* 1987; 28: 249
- Mandell GA; Harcke HT: scintigraphy of persistent vertebral transverse process epiphysis. *Clin Nucl Med* 1987; 12: 359
- Mandell GA; Harcke HT: superosteal hematoma: another scintigraphic "doughnut". *Clin Nucl Med* 1986; 11: 35
- Mandell GA; Harcke HT; Davis N: accumulation of technetium-99m MDP in an intramuscular hemangioma. *Clin Nucl Med* 1986; 11: 487
- Mandell GA; Harcke HT; Padman R; et al: CT digital radiography: alternative technique for airway evaluation in physically disabled patients. *Pediatr Radiol* 1987; 17: 505
- Mandell GA; Harcke HT; Sharkey C; et al: postprandial blush in multiphase bone scanning. *J Nucl Med* 1987; 28: 1550
- Mandell GA; Harcke HT; Sharkey C; et al: SPECT imaging of para-aortic neurofibromatosis with technetium-99m DTPA. *J Nucl Med* 1987; 28: 1688
- Mandell GA; Harcke HT; Sharkey C; et al: uterine blush in multiphase bone imaging. *J Nucl Med* 1986; 27: 51
- Mandell GA; Heyman S: extracerebral uptake of technetium-99m MDP in secondary deposits of neuroblastoma. *Clin Nucl Med* 1986; 11: 337
- Mandell GA; Snyder HM III; Heyman S; et al: association of congenital megacalycolysis and ipsilateral segmental megareter. *Pediatr Radiol* 1987; 17: 28
- Mandell J See Brown T
- Mandell J See Lebowitz RL
- Mandell LR; Ghavimi F; Exelby P; et al: preliminary results of alternating combination chemotherapy (CT) and hyperfractionated radiotherapy (HART) in advanced rhabdomyosarcoma (RMS). *Int J Radiat Oncol Biol Phys* 1987; 13: 157
- Mandell LR; Wolner N; Fuks Z: is cranial radiation necessary for CNS prophylaxis in pediatric NHL? *Int J Radiat Oncol Biol Phys* 1987; 13: 359
- Mandell M See Poe BM
- Mandelli F; Anselmo AP; Carloni C; et al: evaluation of therapeutic modalities in the control of Hodgkin's disease. *Int J Radiat Oncol Biol Phys* 1986; 12: 1617
- Manelfe C See Berry I
- Manelfe C; Lasjaunias P; Ruscalleda J: preoperative embolization of intracranial meningiomas. *AJNR* 1986; 7: 963
- Manfrini M See Gillespie T III
- Manga P; Dhurandhar RW; Stockard B: Doppler frequency ratio and peak frequency in the assessment of carotid artery disease: comparative study with angiography. *Ultrasound Med Biol* 1986; 12: 573
- Manglos SH; Jaszczak RJ; Floyd CE; et al: nonisotropic attenuation in SPECT: phantom tests of quantitative effects and compensation techniques. *J Nucl Med* 1987; 28: 1584
- Manger TJ; Tobes MC; Wieland MD; et al: metabolism of iodine-131 metaiodobenzylguanidine in patients with metastatic pheochromocytoma. *J Nucl Med* 1986; 27: 37
- Mangold DJ See Swynnerton NF
- Manier SM See Blue PW
- Manier SM; Blue PW; Ghaed N: radionuclide demonstration of a renepleural fistula following trauma. *Clin Nucl Med* 1986; 11: 870
- Manishen WJ; Sivananthan K; Orr FW: resorbing bone stimulates tumor cell growth: role for the host microenvironment in bone metastasis. (ab). *Radiology* 1986; 161: 575
- Manivel JC; Dehner LP; Thompson R: case report 460. *Skeletal Radiol* 1988; 17: 66
- Manivel JC; Sibley RK; Dehner LP: complete and incomplete drash syndrome. (ab). *Radiology* 1987; 164: 292
- Mankin HJ See Kattapuram SV
- Mankin HJ See Sailer SL
- Mankovich NJ See Gomes AS
- Mankovich NJ See Lo S-CB
- Mankovich NJ See Lois JF
- Mankovich NJ See Ratib OM
- Mankovich NJ See Taira RK
- Mankovich NJ; Taira RK; Cho PS; Huang HK: operational radiologic image archive on digital optical disks. *Radiology* 1988; 167: 139
- Manley CB See McAllister WH
- Manley PN See Pham DH
- Mann CJ; Jequier S; Patriquin H; et al: intramural Teflon injection of the ureter for treatment of vesicoureteral reflux: sonographic appearance. *AJR* 1988; 151: 543
- Mann H See Smith RC
- Mann H: CT in the management of lung cancer. *Semin US CT MR* 1988; 9: 40
- Mann H: preoperative chest radiography. *Radiology* 1988; 167: 282
- Mann H; Karwande SV: new proposed international staging system for lung cancer. *Semin US CT MR* 1988; 9: 34
- Mann KS See Woo E
- Mann L; Hawes DR; Ghods M; Bednar EJ; Potchen EJ: utilization of screening mammography: comparison of different physician specialties. *Radiology* 1987; 164: 121
- Mann SBS See Mehra YN
- Mannen J See Banna M
- Manni A; Basarab RM; Plourde PV; et al: thallium-technetium parathyroid scan: useful noninvasive technique for localization of abnormal parathyroid tissue. (ab). *Radiology* 1986; 161: 576
- Manninen H; Partanen K; Soimakallio S; et al: image-intensifier photofluorography and conventional chest radiography: comparison of diagnostic efficacy. *AJR* 1988; 150: 539
- Manninen H; Partanen K; Soimakallio S; et al: large-image intensifier photofluorography and conventional radiography in pulmonary emphysema: correlation with computed tomography. *Acta Radiol* 1988; 29: 293
- Manning A See Bulgin O
- Manns RA; Nanda KK; Mackie G: case report: fibromuscular dysplasia of the cephalic and renal arteries. *Clin Radiol* 1987; 38: 427
- Mano H See Shimizu K
- Mano I; Goshima H; Nambu M; et al: new polyvinyl alcohol gel material for MRI phantoms. *Magn Res Med* 1986; 3: 921
- Mano I; Yoshida H; Goshima H; et al: research method for MRI tissue characterization studies using small coils for excised organs. *Magn Res Med* 1988; 6: 41
- Mano I; Yoshida H; Nakabayashi K; et al: fast spin echo imaging with suspended respiration: gadolinium enhanced MRI imaging of liver tumors. *JCAT* 1987; 11: 73
- Manoli A II See Guyot DR
- Manor A See Starinsky R
- Manor H See Orda R
- Mansell J See Saroja KR
- Mansfield A See Gibson RN
- Mansfield CM See Haas JS
- Mansfield CM See Krishnan L
- Mansfield CM See Reddy EK
- Mansfield P See Doyle M
- Manske PR See Reinius WR
- Manson DE See Doris CI
- Manson J See Beers GJ
- Manson PN See Grivas A
- Mansouri B See Schnyder P
- Mantell BS See Brincat S
- Mantell BS; Klevenhagen SC; Afshar F: afterloaded applicator for the interstitial irradiation of brain tumors. *Clin Radiol* 1986; 37: 35
- Mäntylä M See Holsti LR
- Mäntylä M; Heikkonen J; Perkkio J: regional blood flow in human tumours measured with argon, krypton and xenon. *Br J Radiol* 1988; 61: 379
- Manz HJ See Schellinger D
- Manzino JF See Bruneton JN
- Manzione JV Jr See Katzberg RW
- Mao J See Brooker HR
- Maor MH See Schultheiss TE
- Maor MH; Gillespie BW; Peters J; et al: neutron therapy in cervical cancer: results of a phase III RTOG study. *Int J Radiat Oncol Biol Phys* 1988; 14: 885
- Maos S See Kleinhaus U
- Mapp E: gastrointestinal disorders in diabetes mellitus. *Radiology* 1986; 161: 292
- Mapp E; Karasick S; Pollack H; et al: urological manifestations of S-hemoglobinopathy. *Semin Roentgenol* 1987; 22: 186
- Mapp EM See Rao VM
- Mapstone T See Ross JS
- Maran AGD See Stell PM
- Marandas P See Miglianico L
- Maranhao V See MacMillan RM
- Marano GD See Harris L
- Marano GD See Higgins WL
- Marano GD See Thrush AL
- Marasini M; Cordone M; Pongiglione G; et al: in utero ultrasound diagnosis of congenital heart disease. *JCU* 1988; 16: 103

- Maraviglia B See De Simone BC
 Maravilla KR See Needell WM
 Maravilla KR See Runge VM
 Maravilla KR See Schaefer SD
 Maravilla KR See Suss RA
 Marcellis S See Pilate I
 March DE See Davis PS
 March DE, Desai AG; Park CH; et al: struma ovarii: hyperthyroidism in a postmenopausal woman, *J Nucl Med* 1988; 29: 263
 Marchal G See Ceuterick L
 Marchal GJ See Rigault HD
 Marchal GJ See Van Hecke PE
 Marchal GJF See van Holsbeek M
 Marchal GJF See van Steenberg W
 Marchal GJF See Wilms GE
 Marchal GJF; Desmet VJ; Froesmans WC; Moerman FL; Van Koost WW; Van Holsbeek MT; Baert AL: Caroli disease: high-frequency US and pathologic findings, *Radiology* 1986; 158: 507
 Marchal GJF; Gelin J; Verbeek EE; et al: high-resolution real-time sonography of the adrenal glands: routine examination?, *J Ultrasound Med* 1986; 5: 65
 Marchal GJF; Tahibwabwa-Tumba E; Verbeek EE; et al: "skip areas" in hepatic steatosis: sonographic-angiographic study, *Gastrointest Radiol* 1986; 11: 151
 Marchal GJF; Van Holsbeek MT; Raes M; Favril AA; Verbeek EE; Casteels-Vandaele M; Baert AL; Lauweryns JM: transient synovitis of the hip in children: role of US, *Radiology* 1987; 162: 825
 Marchal GJF; Verbeek EE; Oyen R; et al: ultrasound of the normal kidney: sonographic, anatomic and histologic correlation, *Ultrasound Med Biol* 1986; 12: 999
 Marchal J-C See Bracard S
 Marchand EP See Peters TM
 Marchese MJ See Hall EJ
 Marchese MJ See Hei TK
 Marchese MJ; Hei TK; Zaidier M; et al: radiation repair in human endothelial cells, *Int J Radiat Oncol Biol Phys* 1987; 13: 1857
 Marchese MJ; Zaidier M; Hall EJ: dose-rate effects in normal and malignant cells of human origin, *Br J Radiol* 1987; 60: 573
 Marchesini G See Zoli M
 Marcial VA See Kramer S
 Marcial VA: ninth annual del Regato lecture: optimal multidisciplinary management of head and neck cancer, *Int J Radiat Oncol Biol Phys* 1987; 13: 393
 Marcial VA; Pajak TF; Chang C; et al: hyperfractionated photon radiation therapy in the treatment of advanced squamous cell carcinoma of the oral cavity, pharynx, larynx, and sinuses, using radiation therapy as the only planned modality: (preliminary report) by the Radiation Therapy Oncology Group (RTOG), *Int J Radiat Oncol Biol Phys* 1987; 13: 41
 Marcial VA; van den Bogart W; Horiot J-C; head and neck: cancer research plan, *Int J Radiat Oncol Biol Phys* 1988; 14: 5119
 Marcic S See Costa A
 Marconi V See Lemaire L
 Marcoux C See Zizic TM
 Marcove RC See Huvois AG
 Marcove RC See Smith J
 Marcovitz S; Wee R; Chan J; et al: diagnostic accuracy of preoperative CT scanning in the evaluation of pituitary ACTH-secreting adenomas, *AJNR* 1987; 8: 641
 Marcovitz S; Wee R; Chan J; et al: diagnostic accuracy of preoperative CT scanning of pituitary prolactinomas, *AJNR* 1988; 9: 13
 Marcovitz S; Wee R; Chan J; et al: diagnostic accuracy of preoperative CT scanning of pituitary somatotrophic adenomas, *AJNR* 1988; 9: 19
 Marcus C See Villanueva-Meyer J
 Marcus CS See Miller JH
 Marcus CS See Trombley BA
 Marcus CS; Koyle MA; Darcourt J; et al: evaluation of the utility of indium-111 oxine platelet imaging in renal transplant patients on cyclosporine, *Clin Nucl Med* 1986; 11: 834
 Marcus DR See Ahn SS
 Marcus R See Grollman JH Jr
 Marcus RB Jr See Taylor BW Jr
 Marcus RB Jr; Graham-Pole JR; Springfield DS; et al: high-risk Ewing's sarcoma: end-intensification using autologous bone marrow transplantation, *Int J Radiat Oncol Biol Phys* 1988; 15: 53
 Marcuse HR See Hoefnagel CA
 Marcussen DC; Sooy CD: otolaryngologic and head and neck manifestations of acquired immunodeficiency syndrome (AIDS), (ab), *Radiology* 1986; 158: 861
 Marcussen WH See Remler MP
 Mardini IA; McCarter RJM; Fullerton GD: NMR relaxation times of skeletal muscle: dependence on fiber type and diet, *Magn Res Imag* 1986; 4: 393
 Mareci TH See Brooker HR
 Maresca G See Solbiati L
 Maresca G See Squillaci E
 Maresca G; Mirk P; De Gaetano AM; et al: sonographic patterns in splenic infarct, *JCU* 1986; 14: 23
 Mareschal JL See Garel L
 Marglin SI See Hayne LA
 Marglin SI; Castellino RA: selection of imaging studies for newly presenting patients with non-Hodgkin's lymphoma, *Semin US CT MR* 1986; 7: 2
 Marglin SI; Mortimer J; Castellino RA: radiologic investigation of thoracic metastases from unknown primary sites, *J Thorac Imag* 1987; 2: 38
 Margolin FR: new cannula for hysterolapngography, *AJR* 1988; 151: 729
 Margolin FR; Lagios MD: development of mammography and breast services in a community hospital, *Radiol Clin North Am* 1987; 25: 973
 Margolis MT See Crane R
 Margolis S See Kaszar-Seibert DJ
 Margulies JY See Nyaka M
 Margulis AR See Dooms GC
 Margulis AR See Feuerstein IM
 Margulis AR See Figley MM
 Margulis AR See McCarthy SM
 Margulis AR See Thoeni RF
 Margulis AR: about articles of judgment, *Radiology* 1988; 169: 576
 Margulis AR; Crooks LE: present and future status of MR imaging, *AJR* 1988; 150: 487
 Margulis AR; Shea WJ Jr: advances in imaging technology and their impact on medicine: Mackenzie Davidson Memorial Lecture, April 1986, *Br J Radiol* 1986; 59: 309
 Margulis AR; Shea WJ Jr: Anderson-Stuart lecture 1985: present and future role of medical imaging, *Australas Radiol* 1987; 31: 6
 Margulis AR; Thoeni RF: present status of the radiologic examination of the colon, *Radiology* 1988; 167: 1
 Margulis SJ; Honig CL; Soave R; et al: biliary tract obstruction in the acquired immunodeficiency syndrome, (ab), *Radiology* 1987; 163: 289
 Maric N See Chan SM
 Marich KW See Bluth EI
 Marichev M See Parienty RA
 Marigold JCL See Hume SP
 Marjaniessen HFA See Levendag PC
 Marild S See Hellstrom M
 Marin G See Livraghi T
 Marin ML; Austin JHM; Markowitz AM: elastofibroma dorsi: CT demonstration, *JCAT* 1987; 11: 675
 Marincek B See Becker CD
 Marincek B; Barbier PA; Becker CD; et al: CT appearance of impaired lymphatic drainage in liver transplants, *AJR* 1986; 147: 519
 Marinelli D See Phillips ME
 Marinelli DL See Cope C
 Marinelli DL; Albelda SM; Williams TM; Kern JA; Iozzo RV; Miller WT: nontuberculous mycobacterial infection in AIDS: clinical, pathologic, and radiographic features, *Radiology* 1986; 160: 77
 Marinelli DL; Miller WT: double images in plain film radiography: motion artifact, *AJR* 1986; 147: 1312
 Marinelli DL; Mintz MC: absorption and excretion of dilute Gastrografin during computed tomography in pseudomembranous colitis, *CT* 1987; 11: 236
 Marinello G See Crook J
 Marinello G See Le Bourgeois JP
 Marinello G See Mazoni JJ
 Maringhini A See Cottone M
 Marini J See Reing JW
 Marini M See Pombo Felipe F
 Marino R; Mooppan UMM; Zein TA; et al: urological manifestations of isolated iliac artery aneurysms, (ab), *Radiology* 1987; 164: 883
 Marion LI See Wilf LH
 Marion RW; Wixnia AA; Hutcheon RG; et al: human T-cell lymphotropic virus type III (HTLV-III) embryopathy, (ab), *Radiology* 1987; 163: 838
 Mariona F; McAlpin G; Zador I; et al: sonographic detection of fetal extrathoracic pulmonary sequestration, *J Ultrasound Med* 1986; 5: 283
 Marions O; Boethius J: congenital constriction of the foramen of Monro, *Neuroradiol* 1986; 28: 275
 Mariscal JM See Rieke JW
 Mariutti G See Guidoni L
 Mark AS See Atlas SW
 Mark AS See Federle MP
 Mark AS See Feinberg DA
 Mark AS See Hricak H
 Mark AS See Schmiedl U
 Mark AS See White RD
 Mark AS; Feinberg DA; Brant-Zawadzki MN: changes in size and magnetic resonance signal intensity of the cerebral CSF spaces during the cardiac cycle as studied by gated, high-resolution magnetic resonance imaging, *Invest Radiol* 1987; 22: 290
 Mark AS; Hricak H: intrauterine contraceptive devices: MR imaging, *Radiology* 1987; 162: 311
 Mark AS; Hricak H; Heinrichs LW; Hendrickson MR; Winkler ML; Bachica JA; Stickler JE: adenomyosis and leiomyoma: differential diagnosis with MR imaging, *Radiology* 1987; 163: 527
 Mark AS; Winkler ML; Feltzer M; et al: gated acquisition of MR images of the thorax: advantages for the study of the hila and mediastinum, *Magn Res Imag* 1987; 5: 57
 Mark EK See El Gammal T
 Mark JBD See Hancock SL
 Markarian B See Panicek DM
 Markel ML; Waller BF; Armstrong WF: cardiac myxoma: a review, (ab), *Radiology* 1987; 165: 884
 Markesbery WR See Shih WJ
 Markesbery WS See Adler YT
 Markiewicz DA See Flanders AE
 Markiewicz W See Sechtum U
 Markis JE See Parker JA
 Markison RE See Jeffrey RB Jr
 Markisz JA See Auh YH
 Markisz JA See Newhouse JH
 Markisz JA See Zirnisky K
 Markisz JA; Altchek DW: treatment of avascular necrosis of the femoral head: reply, *Radiology* 1987; 165: 877
 Markisz JA; Knowles RJR; Altchek DW; Schneider R; Whalen JP; Cahill PT: segmental patterns of avascular necrosis of the femoral heads: early detection with MR imaging, *Radiology* 1987; 162: 717
 Markisz JA; Treves ST; Davis RT: normal hepatic and splenic size in children: scintigraphic determination, *Pediatr Radiol* 1987; 17: 273
 Markivier CR See Patel B
 Markivier CR See Reed LD
 Markivier CR See Yoo RE
 Markl A See Baierl P
 Markle BM See Lubbers FR
 Markle BM; Catena L: bladder pseudomass following cystography-related bladder trauma, *Radiology* 1986; 159: 265
 Marklin GF See Schuster DP
 Marklund SL See Westman NG
 Marklund T See Mohan V
 Markoe AM See Brady LW
 Markowitz AM See Marin ML
 Markowitz B See Joslyn JN
 Markowitz D See Rosen JM
 Markowitz H See Tihansky DP
 Markowitz R See Alario AJ
 Markowitz RI See Ascuttore RJ
 Markowitz RI See Seashore JH
 Markowitz RI: anterior junction line: a radiographic sign of bilateral pneumothorax in neonates, *Radiology* 1988; 167: 717
 Markowitz RI; Frederick W; Rosenfield NS; et al: single, mediastinal, unilateral lung—rare form of subtotal pulmonary agenesis, *Pediatr Radiol* 1987; 17: 269
 Markowitz RI; Johnson KM; Weinstein EM: hyperinflation of the lungs in infants with large left-to-right shunts, *Invest Radiol* 1988; 23: 354
 Markowitz RI; Malat J; Keller MS; et al: gallbladder opacification in infants following high dose angiography, *Pediatr Radiol* 1988; 18: 319
 Markowitz RJ See Garcia C
 Markowitz SK See Jacobs JE
 Markowitz SK See Pistola F
 Markowitz SK See Wolf S
 Marks GJ See Mohiuddin M
 Marks HG See Kumar SJ
 Marks JE See Fields JN
 Marks M See Summerville DA
 Marks MP; Delapaz RL; Fabrikant JL; Frankel KA; Phillips MH; Levy RP; Enzmann DR: intracranial vascular malformations: imaging of charged-particle radiosurgery, part I. results of therapy, *Radiology* 1988; 168: 447
 Marks MP; Delapaz RL; Fabrikant JL; Frankel KA; Phillips MH; Levy RP; Enzmann DR: intracranial vascular malformations: imaging of charged-particle radiosurgery, part II. complications, *Radiology* 1988; 168: 457
 Marks MP; Lanza MV; Kahstrom EJ; et al: pediatric hypertrophic gastropathy, *AJR* 1986; 147: 1031
 Marks MP; Marks SC; Segall HD; et al: case report 420, *Skeletal Radiol* 1987; 16: 246
 Marks S; Radin DR; Chandrasoma P; Merkel cell carcinoma, *CT* 1987; 11: 291
 Marks S Jr See Raptopoulos V
 Marks SC See Kleinman FK
 Marks SC See Marks MP
 Marks SJ See Weinberger J
 Marks SR See Anguaco TL
 Marks WH See Warshawer DM
 Marks WM See Foster MA
 Marks WM See Freeny PC

- Markwalder T-M See Krapf R
Markwell R See Mittal BB
Marler D See Howland WJ
Marlowe FI See Swartz JD
Marn CS See Bressler EL
Marn CS; Gore RM; Ghaheirani GG: duodenal manifestations of nontropical sprue. *Gastrointest Radiol* 1986; 11: 30
Maroney TP; Ring EJ: percutaneous transjejun catheterization of roux-en-Y biliary-jejunal anastomoses. *Radiology* 1987; 164: 151
Maroon J See Onik G
Maroon JC See Abila AA
Marotti M See Hricak H
Marotti M See Schmiedl U
Marotti M; Hricak H; Fritzsche P; Crooks LE; Hedgcock MW; Tanagho EA: complex and simple renal cysts: comparative evaluation with MR imaging. *Radiology* 1987; 162: 679
Marotti M; Hricak H; Terrier F; et al: MR in renal disease: importance of cortical-medullary distinction. *Magn Res Med* 1987; 5: 160
Marples M See Mughal MM
Marquardt B See Schroth G
Marquardt CL See Boyko OB
Marquis C; Meister J-J; Mooser E; et al: quantitative pulsed Doppler measurement of common femoral artery blood flow variables during postocclusive reactive hyperemia. *JCU* 1986; 14: 165
Marrocco BJD; Drost DJ; Prato FS: optimized head coil design for MR imaging at 0.15 T. *Magn Res Med* 1987; 5: 143
Marrocco FS; Leekam RN; Matzinger MA; et al: displaced calcium as a sign of transitional cell carcinoma in analgesic nephropathy. *J Canad Assoc Radiol* 1986; 37: 122
Marsali K; Persson P-H: ultrasonic measurement of fetal blood velocity wave form as a secondary diagnostic test in screening for intrauterine growth retardation. *JCU* 1988; 16: 239
Marsault C See Flaudry P
Marsault C See Gaston A
Marsella A See Squillaci E
Marsh C See LeBlanc AD
Marsh D; Wilkerson SA; Cook LN; et al: right atrial thrombus formation screening using two-dimensional echocardiograms in neonates with central venous catheters. (ab). *Radiology* 1988; 168: 888
Marsh H See Britton J
Marsh JL See Noetzel MJ
Marsh L See Morgan DAL
Marsh LF; Morgan DAL; Jefferson D: benign intracranial hypertension during chemotherapy for testicular teratoma. *Br J Radiol* 1988; 61: 692
Marsh FW See Haggstrom JA
Marsh WH See Bronner MH
Marsh WR See Jack CR Jr
Marshall AJ See Cook PG
Marshall BJ; Surveyor I: carbon-14 urea breath test for the diagnosis of campylobacter pylori associated gastritis. *J Nucl Med* 1988; 29: 11
Marshall CE See Marshall VG
Marshall DH See Hordon LD
Marshall DR See Hughes B
Marshall E See Hornak JP
Marshall FF See Chang R
Marshall FF See Yousef DM
Marshall FF; Taxy JB; Fishman EK; et al: feasibility of surgical resection for renal cell carcinoma. (ab). *Radiology* 1986; 160: 284
Marshall VG; Bradley WG Jr; Marshall CE; Bhooapat T; Rhodes RH: deep white matter infarction: correlation of MR imaging and histopathologic findings. *Radiology* 1988; 167: 517
Marshall W See Seidenwurm D
Marshall WH See Junck L
Marshman MF See Brereton IM
Martel MK See Hunt MA
Martel W See Aisen AM
Martel W See Braunstein EM
Martel W See Burnstein M
Martel W See Elkin M
Martel W See Ellis JH
Martel W See Glazer GM
Martel W See Lande IM
Martelli E; Galbraith D; Munro P; et al: flatness and calibration monitor for accelerator photon and electron beams. *Int J Radiat Oncol Biol Phys* 1986; 12: 271
Martens F See van Rooij WJJ
Martenson G; Hagberg S; Pettersson K; et al: subacute pleural effusion: a clinical entity. (ab). *Radiology* 1988; 167: 291
Martensson H See Thorvinger B
Marti-Bonmati L See Garcia FJ
Marti-Bonmati L; Menor F; Ballesta A: hydatid cyst of the liver: rupture into the biliary tree. *AJR* 1988; 150: 1051
Martigne C See Boissier-Lacroix M
Martijn A See Baarsma R
Martijn A See Boeve WJ
Martin B; Boyer de Latour F: MR imaging of anterior sacral meningocele. *JCAT* 1988; 12: 166
Martin B; Conte J: ultrasonography of the acute scrotum. *JCU* 1987; 15: 37
Martin B; El Youssef SJ: transverse relaxation time values in MR imaging of normal breast during menstrual cycle. *JCAT* 1986; 10: 924
Martin B; Mulpulos GP; Bryan PJ: MRI of puerperal ovarian-vein thrombosis (case report). *AJR* 1986; 147: 291
Martin B; Mulpulos GP; Butler HE: MR imaging of intramural duodenal hematoma. *JCAT* 1986; 10: 1042
Martin C See Stoller DW
Martin C; Auffray JP; Saux P; et al: axillary vein: an alternative approach for percutaneous pulmonary artery catheterization. (ab). *Radiology* 1987; 164: 294
Martin CM See Claiborne AK
Martin DC; Miller J; Kapoor W; et al: clinical prediction rules for computed tomographic scanning in senile dementia. (ab). *Radiology* 1987; 163: 838
Martin DF See Carrington BM
Martin DF See Fischer JJ
Martin DF See Nath R
Martin DF: computed tomography of the normal pancreatic uncinate process. *Clin Radiol* 1988; 39: 195
Martin DF; Haboubi NY; Tweedle DEF: enteric cyst of the pancreas. *Gastrointest Radiol* 1987; 12: 35
Martin DF; Hartley G; gastric emphysema demonstrated by computed tomography. *Br J Radiol* 1986; 59: 505
Martin DF; Porter EA; Rockwell S; et al: enhancement of tumor radiation response by the combination of a perfluorochemical emulsion and hyperbaric oxygen. *Int J Radiat Oncol Biol Phys* 1987; 13: 747
Martin DS: 1987 year book of diagnostic radiology. *Radiology* 1988; 167: 6
Martin DS: Abrams angiography. 3d ed., *Radiology* 1986; 160: 736
Martin DS: angioplasty. *Radiology* 1986; 161: 680
Martin DS: cardiac imaging and image processing. *Radiology* 1986; 160: 220
Martin DS: clinical imaging: an atlas of differential diagnosis. *Radiology* 1988; 168: 708
Martin DS: computed tomography of the pituitary gland. *Radiology* 1987; 162: 762
Martin DS: computer assisted radiology. *Radiology* 1986; 159: 186
Martin DS: computer assisted radiology. *Radiology* 1988; 168: 750
Martin DS: computer in radiology. *Radiology* 1986; 160: 674
Martin DS: cranial computed tomography and MRI. 2d ed., *Radiology* 1987; 165: 618
Martin DS: diagnostic imaging of infertility. *Radiology* 1987; 165: 444
Martin DS: diagnostic radiology 1987. *Radiology* 1988; 167: 76
Martin DS: digital cardiac imaging. *Radiology* 1986; 160: 530
Martin DS: ear: diagnostic imaging. *Radiology* 1987; 163: 410
Martin DS: elements of digital radiology. *Radiology* 1988; 167: 134
Martin DS: imaging of orthopedic trauma and surgery. *Radiology* 1986; 161: 504
Martin DS: information processing in medical imaging. *Radiology* 1987; 162: 364
Martin DS: M.D. computing: benchmark papers, images, signals, and devices. *Radiology* 1988; 168: 638
Martin DS: noninvasive diagnostic techniques in vascular disease. 3d ed., *Radiology* 1986; 158: 198
Martin DS: normal variants and pitfalls in imaging. *Radiology* 1987; 163: 380
Martin DS: practice of coronary angioplasty. *Radiology* 1986; 161: 680
Martin DS: radiology of the salivary glands. *Radiology* 1986; 159: 46
Martin DS: thyroid and parathyroid imaging. *Radiology* 1986; 160: 368
Martin DS: ultrasound annual, 1986. *Radiology* 1987; 163: 366
Martia E See Boesch C
Martin EC See Alderson PO
Martin EC See Laffey KJ
Martin EC See Waltman AC
Martin IR See Smith JRG
Martin J See Mata JM
Martin JC See van der Kogel AJ
Martin JF: atlas of echocardiography, 2d ed., *Radiology* 1986; 161: 216
Martin JF: case studies in color coded Doppler echocardiography. *Radiology* 1987; 162: 468
Martin JF: color atlas of real-time two-dimensional Doppler echocardiography. *Radiology* 1986; 161: 164
Martin JF: Doppler echocardiography: quantitative methods of pulsed and continuous wave cardiac Doppler. *Radiology* 1986; 160: 520
Martin JF: echocardiography. 4th ed., *Radiology* 1986; 161: 532
Martin JF: principles of interpretation in echocardiography. *Radiology* 1986; 160: 716
Martin JF; Daly CP: transmission line matching of surface coils. *Magn Res Med* 1986; 3: 346
Martin JF; Hajek P; Baker L; Gyllys-Morin V; Fitzmorris-Glass R; Mattrey RR: inflatable surface coil for MR imaging of the prostate. *Radiology* 1988; 167: 268
Martin JJ See Leaney BJ
Martin JK See Gunderson LL
Martin KW See Siegel MJ
Martin KW; McAlister WH: intratracheal thymus: a rare cause of airway obstruction. *AJR* 1987; 149: 1217
Martin KW; McAlister WH; Shackelford GD: acute renal infarction: diagnosis by Doppler ultrasound. *Pediatr Radiol* 1988; 18: 373
Martin KW; Sagel SS; Siegel BA: mosaic oligemia simulating pulmonary infiltrates on CT. *AJR* 1986; 147: 670
Martin KW; Siegel MJ; Chesna E: spontaneous resolution of mediastinal cysts. *AJR* 1988; 150: 1131
Martin L See Coblenz C
Martin LF See Deuskar V
Martin LFW See Dobranowski J
Martin LG See Alspaugh JP
Martin LG; Casarella WJ; Alspaugh JP; Chuang VP: renal artery angioplasty: increased technical success and decreased complications in the second 100 patients. *Radiology* 1986; 159: 631
Martin LG; Casarella WJ; Gaylord GM: azotemia caused by renal artery stenosis: treatment by percutaneous angioplasty. *AJR* 1988; 150: 839
Martin LW See Mahaffey SM
Martin N See Gaston A
Martin N; de Broucker T; Cambier J; et al: MRI evaluation of tuberous sclerosis. *Neuroradiol* 1987; 29: 437
Martin N; Helias A; Pottuz GJ; et al: solitary eosinophilic granuloma of a cervical neural arch. (ab). *Radiology* 1986; 158: 571
Martin NA See Lanman TH
Martin RH See Barkley HT Jr
Martin RG See Moote D
Martin RJ See White DR
Martin RW; Bashein G; Zimmer R; et al: endoscopic micromanipulator for multiplanar transesophageal imaging. *Ultrasound Med Biol* 1986; 12: 965
Martin W See Bohrer SP
Martin W See Schneider K
Martin W; Sethia B; Douglas IHS; et al: gated blood-pool imaging in mechanical left ventricular assistance following myocardial infarction in dogs. *J Nucl Med* 1987; 28: 886
Martin W; Tweedle AC; McGhie I; et al: gated xenon scans for right ventricular function. *J Nucl Med* 1986; 27: 609
Martin W III See Klein A
Martin WB See Finn HA
Martin WB See Hatfield MK
Martinielli C See Calo M
Martinielli C See Torricelli P
Martinez A See Mata JM
Martinez A; Bona X; Velasco M; et al: diagnostic accuracy of ultrasound in acute cholecystitis. *Gastrointest Radiol* 1986; 11: 334
Martinez AJ See Jungreis CA
Martinez CR See Nokes SR
Martinez CR See Shulman DI
Martinez CR See Zerhouni EA
Martinez R See Bollar A
Martinez S See Apple JS
Martinez S See Baker ME
Martinez S See Spritzer CE
Martinez-Lavin M See Pineda CJ
Martini A; Ravelli A; Viola S; et al: systemic lupus erythematosus with Jaccoud's arthropathy mimicking juvenile rheumatoid arthritis. (ab). *Radiology* 1988; 167: 294
Martini DJ See Neff CC
Martini N See Heelan RT
Martini N See Keller SM
Martini N; Heelan RT; Westcott J; et al: comparative merits of conventional, computed tomographic, and magnetic resonance imaging in assessing mediastinal involvement in surgically confirmed lung carcinoma. (ab). *Radiology* 1986; 160: 283
Martini S See Rossi P
Martino CR; Pakter RL; Schultz CL; et al: small dense kidneys in a 7-year-old. *Invest Radiol* 1986; 21: 76
Martino CR; Williams CD III; Schultz CL; et al: increasing weight and girth after neurosurgery. *Invest Radiol* 1986; 21: 98
Martinoz U See Graif M
Martland WH See Drane WE
Marton D See Azouz EM
Marton D See Eybalin M-C

- Marton D See Lander PH
 Marton FF See Fossa SD
 Marty AH See Zollhofer CL
 Martz K See Coia LR
 Martz K See Solin LJ
 Martz KL See Hanks GE
 Martz KL See Solin LJ
 Maruo Y See Morioka F
 Maruo Y See Tashiro K
 Maruyama Y See Feola JM
 Maruyama Y See Matar JR
 Maruyama Y; Beach JL; CF-252 neutron brachytherapy of short duration for bulky neck tumors. *Int J Radiat Oncol Biol Phys* 1986; 12: 761
 Maruyama Y; Darwazeh NB; Magura C: increased ²⁵²Cf therapeutic advantage for an advanced murine lymphoma (LSA) growing *in vivo*. *Br J Radiol* 1988; 61: 312
 Maruyama Y; van Nagell JR; Feola JM; et al: specimen histology, after one or two preoperative CF-252 implants for bulky stage IB cervical cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 1473
 Marving J See Hartling OJ
 Marwaha RK See Kataria S
 Marx E; Mueller-Klieser W; Vaupel P: lactate-induced inhibition of tumor cell proliferation. *Int J Radiat Oncol Biol Phys* 1988; 14: 947
 Marx JD See van Aswegen A
 Marx M; Armstrong WT; Breat BN; et al: transcatheter recanalization of a chronically occluded saphenous aortocoronary bypass graft. *AJR* 1987; 148: 375
 Marx M; D'Auria SH: CT examination of eleven Egyptian mummies. *Radiographics* 1986; 6: 321
 Marx M; D'Auria SH: three-dimensional CT reconstructions of an ancient human Egyptian mummy. *AJR* 1988; 150: 147
 Marx M; Geller S; Bettmann M: traumatic aorticaval fistula presenting as atypical chest pain. *Cardiovasc Intervent Radiol* 1986; 9: 17
 Marx M; Levin DC: coronary thrombolytic therapy: state of the art. *AJR* 1986; 147: 1
 Marx MV See Picus D
 Marx MV; Balfé DM: computed tomography of the esophagus. *Semin US CT MR* 1987; 6: 316
 Marx MV; Cunningham JJ: sonographic findings in mediastinal embryonal carcinoma. *J Ultrasound Med* 1986; 5: 41
 Marx MV; Panzer FD: recurrent radiculopathy in an elderly woman. *Invest Radiol* 1988; 23: 147
 Marx MV; Picus D; Weyman PJ: percutaneous embolization of the ovarian artery in the treatment of pelvic hemorrhage. *AJR* 1988; 150: 1337
 Marx SJ See Miller DL
 Marymont JV: comparative imaging: massive osteolysis (Gorham's syndrome, disappearing bone disease). *Clin Nucl Med* 1987; 12: 153
 Masaki N See Takashima S
 Masaryk TJ See Alifidi RJ
 Masaryk TJ See Hueftle MG
 Masaryk TJ See Modic MT
 Masaryk TJ See Ross JS
 Masaryk TJ; Boumpfey F; Modic MT; et al: effects of chemoembolization demonstrated by MR imaging. *JCAT* 1986; 10: 917
 Masaryk TJ; Modic MT; Geisinger MA; et al: cervical myelopathy: comparison of magnetic resonance and myelography. *JCAT* 1986; 10: 184
 Masaryk TJ; Ross JS; Modic MT; et al: high-resolution MR imaging of sequestered lumbar intervertebral disks. *AJNR* 1988; 9: 351
 Masaryk TJ; Ross JS; Modic MT; Lenz GW; Haacke EM: carotid bifurcation: MR imaging: work in progress. *Radiology* 1988; 166: 461
 Masaryk TJ; Ross JS; Modic MT; Ruff RL; Selman WR; Ratcheson RA: radiculomedullary vascular malformations of the spine: MR imaging. *Radiology* 1987; 164: 845
 Mascali M See Tanfani G
 Maschio A See Beltramello A
 Maschio A See Benati A
 Masciocchi C See Passariello R
 Masel J See Isles AF
 Mashimo M See Muramatsu T
 Mashiter G See Coleman RE
 Maskin C See Chung SY
 Maske GB See Chun M
 Maslak MM; Broske RJ: dual isotope parathyroid imaging. *Clin Nucl Med* 1986; 11: 622
 Maso R See Pistolesi GF
 Mason BA See Turrisi AT III
 Mason EM See Letton AH
 Mason KA See Withers HR
 Mason KA; Wu J-T; Withers HR; et al: palliative radiotherapy of a mouse mammary carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 1875
 Mason TO; Rose BS; Goodman JH: gas bubbles in polymethylmethacrylate cranioplasty simulating abscesses: CT appearance. *AJNR* 1986; 7: 829
 Mason UG III See Farhi DC
 Mason WF See Campbell DR
 Mason WG Jr; Stevens PS: options in the evaluation of pediatric urinary tract infections: role of radiography and ultrasound. *Semin US CT MR* 1986; 7: 234
 Masood K See Millward S
 Masri Z See Attum AA
 Masselink BA See Jasinski RW
 Massen R See Kozlowski K
 Massie D See Morgan K
 Massie JD; Sebes JI: headless bone scan: an uncommon manifestation of metastatic speniccan in carcinoma of the prostate. *Skeletal Radiol* 1988; 17: 111
 Massie JD; Winer-Muram H: indium-111 labeled leukocyte images demonstrating a lung abscess with prominent fluid level. *Clin Nucl Med* 1986; 11: 590
 Massol J; Humbert P; Cattin F; et al: post-traumatic diabetes insipidus and amenorrhea-galactorrhea syndrome after pituitary stalk rupture. *Neuroradiol* 1987; 29: 299
 Masson RG; Ruggieri J: pulmonary microvascular cytology: new diagnostic application of the pulmonary artery catheter. (ab). *Radiology* 1986; 159: 821
 Massullo Y See Leibel SA
 Mast BA See Brodin RE
 Masters SJ See Thornbury JR
 Mastuda S See Asaga T
 Mastura H See Asaga T
 Masuda K; Hunter N; Stone HB; et al: leg contracture in mice after single and multifractionated ¹³⁷Cs exposure. *Int J Radiat Oncol Biol Phys* 1987; 13: 1209
 Masuda K; Matsura K; Withers HR; et al: response of previously irradiated mouse skin to a second course of irradiation: early skin reaction and skin shrinkage. *Int J Radiat Oncol Biol Phys* 1986; 12: 1645
 Masuda T See Matsuno T
 Masuo M See Uchida Y
 Masuoka LS See Mills BG
 Masur H See Bach MC
 Masur H See Woolfenden JM
 Masuzawa T; Kurokawa T; Oguro K; et al: pulseless disease associated with multiple intracranial aneurysms. *Neuroradiol* 1986; 28: 17
 Mata J See Cáceres J
 Mata JM See Gomez A
 Mata JM See Olazabal A
 Mata JM; Alegret J; Llauger J: splenic pseudocyst as a complication of ventriculoperitoneal shunt: CT features. *JCAT* 1986; 10: 341
 Mata JM; Alegret J; Martinez A: calcification in the portal and collateral veins wall: CT findings. *Gastrointest Radiol* 1987; 12: 206
 Mata JM; Donoso L; Olazabal A; et al: whole pelvic osteomyelitis: unusual finding in staphylococcal sepsis. *Pediatr Radiol* 1987; 17: 427
 Mata JM; Inaraja L; Martin J; et al: CT features of mesenteric panniculitis. *JCAT* 1987; 11: 1021
 Mata JM; Inaraja L; Rams A; et al: CT findings in metastatic ovarian tumors from gastrointestinal tract neoplasms (Krukenberg tumors). *Gastrointest Radiol* 1988; 13: 242
 Matalon TAS See Bozynski MEA
 Matalon TAS See Cormier PJ
 Matalon TAS See Strasser SF
 Matamoros A See Kottal RA
 Matar JR; Coffey C II; Maruyama Y: rectal carcinoma: treatment with Papillon technique and fiberoptic-guided methods. *Radiology* 1988; 168: 562
 Matari H See Aquino NM
 Mate TP See Haffty BG
 Mate TP See Rockwell S
 Mate TP; Ruddle NH: suppressor cells induced by total lymphoid irradiation affect proliferation and lymphokine production of murine T helper cell clones. *Int J Radiat Oncol Biol Phys* 1987; 13: 61
 Mategrano VC See Turner DA
 Matesanz R See Liano F
 Math MV: spontaneous resolution of gallstones in infants: role of hypocaloric oral feeding. *Radiology* 1988; 169: 283
 Mather SJ; Ward BG: high efficiency iodination of monoclonal antibodies for radiotherapy. *J Nucl Med* 1987; 28: 1034
 Matherne GP See Frey EE
 Matherne GP; Frey EE; Atkins DL; et al: cine computed tomography for diagnosis of superior vena cava obstruction following the mustard operation. *Pediatr Radiol* 1987; 17: 246
 Matheson I See Nielsen ST
 Mathews J See Slavin JD Jr
 Mathews J; Karimeddini MK; Spencer RP: "short pants" finding on bone images in Paget's disease with paralysis. *Clin Nucl Med* 1986; 11: 221
 Mathews J; Slavin JD Jr; Spencer RP: liver function tests: study in patients with imaging-demonstrated metastases. *Clin Nucl Med* 1986; 11: 344
 Mathews J; Slavin JD Jr; Spencer RP: technetium-99m MDP demonstration of neoplastic lesions involving bone and adjacent soft tissues. *Clin Nucl Med* 1986; 11: 98
 Mathew DG; Schofer J; Sheehan FH; et al: improved survival up to four years after early coronary thrombolysis. (ab). *Radiology* 1986; 169: 293
 Mathias CJ See Mintant MA
 Mathias KD; Hoffmann J; Krabb HJ; et al: aneurysm of the superior mesenteric vein. *Cardiovasc Intervent Radiol* 1987; 10: 269
 Mathieson JR; Connell DG; Cooperberg FL; et al: sonography of the Achilles tendon and adjacent bursae. *AJR* 1988; 151: 127
 Mathieson JR; Silver SF; Culham JAG: isolation of the right subclavian artery. *AJR* 1988; 151: 781
 Mathieu D See Guinet C
 Mathieu D See Vassile N
 Mathieu D; Bruneton JN; Drouillard J; Pointreau CC; Vassile N: hepatic adenomas and focal nodular hyperplasia: dynamic CT study. *Radiology* 1986; 160: 53
 Mathieu D; Elouaer-Blanc L; Divine M; et al: hepatic plasmocytoma: sonographic and CT findings. *JCAT* 1986; 10: 144
 Mathieu D; Guinet C; Boukila-Hassane A; et al: hepatic vein involvement in hepatocellular carcinoma. *Gastrointest Radiol* 1988; 13: 55
 Mathieu D; Keita K; Loaisne D; et al: postoperative CT follow-up of aortic dissection. *JCAT* 1986; 10: 216
 Mathieu D; Ladeb MF; Guigui B; Rousseau M; Vassile N: periportal tuberculous adenitis: CT features. *Radiology* 1986; 161: 713
 Mathieu D; Vanderstige M; Schaeffer A; et al: computed tomography of splenic sarcoidosis. *JCAT* 1986; 10: 679
 Mathieu D; Vassile N; Menu Y; Van Beers B; Lorphelin JM; Pringot J: Budd-Chiari syndrome: dynamic CT. *Radiology* 1987; 165: 409
 Mathieu E; Despres E; Delepine N; et al: MR imaging of the adrenal gland in Sipple disease. *JCAT* 1987; 11: 790
 Mathieu L See Thivolle P
 Mathieu M See Girard P
 Mathieu P See Thivolle P
 Mathog RH See Godoy J
 Mathur ML See Gupta RK
 Mathur RK See Buxi TB
 Mathur RK See Doda SS
 Mathur SP; Patni N; Popli MK; et al: partial prevention of tritium induced uterine involution in mice by 2-mercaptopropionylglycine. *Acta Oncol* 1986; 25: 77
 Mathur-De Vré R See Walker P
 Mathur-De Vré R; Binet J; Bovée WMMJ; et al: III. multi-center trial with an *in vitro* NMR protocol. *Magn Res Im* 1988; 6: 185
 Mathuriya SN See Khosla VK
 Matin P: basic principles of nuclear medicine techniques for detection and evaluation of trauma and sports medicine injuries. *Semin Nucl Med* 1988; 18: 90
 Matloub HS See Kneeland JB
 Matloubieh AY See Shrivastava PN
 Maton PN; Miller DL; Doppman JL; et al: role of selective angiography in the management of patients with Zollinger-Ellison syndrome. (ab). *Radiology* 1987; 165: 882
 Matry YL See Chang AE
 Matos C See Avni EF
 Matos C See Zalzman M
 Matos C; Avni EF; Van Gansbeke D; et al: total parenteral nutrition (TPN) and gallbladder diseases in neonates: sonographic assessment. *J Ultrasound Med* 1987; 6: 243
 Matos C; Van Gansbeke D; Zalzman M; et al: mesenteric vein thrombosis: early CT and US diagnosis and conservative management. *Gastrointest Radiol* 1986; 11: 322
 Matovich V See Tsai FY
 Matsen FA See Castagno AA
 Matsen FA III See Mack LA
 Matson GB See Bogusky RT
 Matson GB See Karcmar GS
 Matson GB; Twieg DB; Karcmar GS; Lawry TJ; Guber JR; Valenza M; Boska MD; Weiner MW: application of image-guided surface coil P-31 MR spectroscopy to human liver, heart, and kidney. *Radiology* 1988; 169: 541
 Matsubara S; Kuwabara Y; Horiuchi J; et al: comparative study of dose distribution of a high-energy electron beam and chromosome aberration frequencies. *Br J Radiol* 1986; 59: 1001
 Matsubara S; Kuwabara Y; Horiuchi J; et al: dose distribution of neutron beam and chromosome analysis. *Int J Radiat Oncol Biol Phys* 1988; 14: 503

Matsubara

- Matsubara S; Saito F; Suda T; et al: radiation injury in a patient with unusually high sensitivity to radiation. *Acta Oncol* 1988; 27: 67
- Matsuda H See Kashiwagi T
- Matsuda H; Gyobu T; Ii M; et al: iodine-123 iodoamphetamine brain scan in a patient with auditory hallucination. *J Nucl Med* 1988; 29: 558
- Matsuda H; Gyobu T; Ii M; et al: increased accumulation of N-isopropyl-(I-123) p-iodoamphetamine in the left auditory area in a schizophrenic patient with auditory hallucinations. *Clin Nucl Med* 1988; 13: 53
- Matsuda H; Nakai H; Jovkar S; et al: alternative approach to estimate lumped constant in the deoxyglucose model: simulation and validation. *J Nucl Med* 1987; 28: 471
- Matsuda T See Shimizu K
- Matsuda T; Shimizu K; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Tamaki S; Kawai C: measurement of aortic blood flow with MR imaging: comparative study with Doppler US. *Radiology* 1987; 162: 857
- Matsuda Y; Yabuuchi I: hepatic tumors: US contrast enhancement with CO₂ microbubbles. *Radiology* 1986; 161: 701
- Matsue H See Yoshida T
- Matsufuji H See Kai H
- Matsui H See Doi K
- Matsui K See Morimoto K
- Matsui K See Ohtake E
- Matsui K See Takebayashi S
- Matsui N See Uno K
- Matsui O See Aral K
- Matsui O See Kitagawa K
- Matsui O See Kobayashi A
- Matsui O See Yoshikawa J
- Matsui O: hepatic metastasis detection: comparison of three CT contrast enhancement methods. *Radiology* 1988; 168: 283
- Matsui O; Kawamura I; Kadoya M; et al: hepatic artery embolization of experimental hepatic tumors with absolute ethanol. *Cardiovasc Intervent Radiol* 1986; 9: 146
- Matsui O; Kawamura I; Takashima T: occurrence of an intrahepatic porto-arterial shunt after hepatic artery embolization with Gelfoam powder in rats and rabbits. *Acta Radiol* 1986; 27: 119
- Matsui O; Takashima T; Kadoya M; et al: staining in the liver surrounding gallbladder fossa on hepatic arteriography caused by increased cystic venous drainage. *Gastrointest Radiol* 1987; 12: 307
- Matsui O; Takashima T; Kadoya M; Suzuki M; Hirose J; Kameyama T; Choto S; Konishi H; Ida M; Yamaguchi A; Izumi R: liver metastases from colorectal cancers: detection with CT during arterial portography. *Radiology* 1987; 165: 65
- Matsui T See Iida M
- Matsui T; Iwashita A; Iida M; et al: acquired pseudoobstruction of the colon due to segmental hypoganglionosis. *Gastrointest Radiol* 1987; 12: 262
- Matsukado Y See Miura M
- Matsunaga M See Yamamoto I
- Matsumoto AH; Clark LR; Cuttino JT Jr: bladder mucosal tears during voiding cystourethrography in chronic renal failure. *Urol Radiol* 1986; 8: 81
- Matsumoto AH; Parker LA; Delany DJ: CT demonstration of central pulmonary venous and arterial occlusive diseases. *JCAT* 1987; 11: 640
- Matsumoto K See Kuno S-y
- Matsumoto K See Satoh T
- Matsumoto K See Sneed PK
- Matsumoto M See Minami S
- Matsumoto S See Morita S
- Matsumoto S See Yoshimoto H
- Matsumoto S; Shibuya H; Umehara I; et al: scintigraphic diagnosis of rib lesions in patients with lung carcinoma. *Clin Nucl Med* 1987; 12: 960
- Matsumoto S; Okajima T; Inayoshi S; et al: Minamata disease demonstrated by computed tomography. *Neuroradiol* 1988; 30: 42
- Matsumoto T; Tani E; Maeda Y; et al: amyloidomas in the cerebellopontine angle and jugular foramen. case report. (ab). *Radiology* 1986; 158: 571
- Matsumura Y See Takemoto K
- Matsunaga N See Hayashi K
- Matsunaga N; Hayashi K; Aikawa H; et al: digital subtraction angiography in Takayasu arteritis. *Acta Radiol* 1987; 28: 247
- Matsunaga N; Hayashi K; Amamoto Y; et al: mesenteric varices demonstrated by transhepatic portography. *Gastrointest Radiol* 1986; 11: 280
- Matsuno S See Pottmeyer EW III
- Matsuno T; Hasegawa I; Masuda T: chondroblastoma arising in the triadriate cartilage: report of two cases with review of the literature. *Skeletal Radiol* 1987; 16: 216
- Matsuno T; Kaneda K; Nojima T: case report 435. *Skeletal Radiol* 1987; 16: 485
- Matsuo S-i See Yamaguchi M
- Matsuoka D See Cerqueira AD
- Matsuoka DM See Abdel-Nabi HH
- Matsuoka Y See Mori H
- Matsushima K; Shinohara Y; Yamamoto M; et al: spinal extradural angiomas: MR and CT diagnosis. *JCAT* 1987; 11: 1104
- Matsushima Y See Satoh S
- Matsuura K See Masuda K
- Matsuura K See Nishitani H
- Mattar AG See Warner T
- Mattay VS See Kotlyarov EV
- Matter D; Bret PM; Bretagnolle M; Valette PJ; Fond A: pancreatic duct: US-guided percutaneous opacification. *Radiology* 1987; 163: 635
- Matter D; Sick H; Koritke J-G; et al: suprasternal approach to the mediastinum using real-time ultrasonography: echonatomical correlations. *Eur J Radiol* 1987; 7: 11
- Matthaei D See Frahm J
- Matthaei D; Frahm J; Haase A; et al: multipurpose NMR imaging using stimulated echoes. *Magn Res Med* 1986; 3: 554
- Matthaei D; Frahm J; Haase A; et al: three-dimensional flash MR imaging of thorax and abdomen without triggering or gating. *Magn Res Imag* 1986; 4: 381
- Matthaei D; Haase A: SYS-FLASH: systemic saturation in FLASH MR imaging. *Magn Res Med* 1987; 4: 302
- Matthaei D; Haase A; Frahm J; Bomdorf H; Vollmann N: multiple chemical shift selective (CHESS) MR imaging using stimulated echoes. *Radiology* 1986; 160: 791
- Matthay KK See Moore SG
- Matthay MA See Aberle DR
- Matthay MA See Wiener-Kronish JP
- Matthay RA See Cooper JAD Jr
- Matthay RA See Filderman AE
- Matthews C See Abay M
- Matthews IP See Rogers KD
- Matthews JI; Richy HM; Helsel RA; et al: thoracic computed tomography in the preoperative evaluation of primary bronchogenic carcinoma. (ab). *Radiology* 1987; 164: 292
- Matthews PM See Taylor DJ
- Matthews R; McNeese DM; Montague ED; et al: prognostic implications of age in breast cancer patients treated with mastectomy and irradiation or with mastectomy. *Int J Radiat Oncol Biol Phys* 1988; 14: 659
- Mattingly SS See Stelling CB
- Mattison GR; Glazer GM; Quint LE; et al: MR imaging of hepatic focal nodular hyperplasia: characterization and distinction from primary malignant hepatic tumors. *AJR* 1987; 148: 711
- Mattrey RF See Baker LI
- Mattrey RF See Sartoris DJ
- Mattrey RF; Hajek PC; Gyllys-Morin VM; et al: perfluorochemicals as gastrointestinal contrast agents for MR imaging: preliminary studies in rats and humans. *AJR* 1987; 148: 1259
- Mattrey RF; Strich G; Shelton RE; Gosink BB; Leopold GR; Lee T; Forsythe J: perfluorochemicals as US contrast agents for tumor imaging and hepatosplenography: preliminary clinical results. *Radiology* 1987; 163: 339
- Mattrey RR See Martin JF
- Mattson K See Holsti LR
- Mattson K; Holsti LR; Poppius H; et al: radiation pneumonitis and fibrosis following split-course radiation therapy for lung cancer: a radiologic and physiologic study. *Acta Oncol* 1987; 26: 193
- Mattsson S See Jonson R
- Matwiyoff NA; Gasparovic C; Wenk R; et al: ²¹P and ²³Na NMR studies of the structure and lability of the sodium split reagent, bis(tripolyphosphat)dysprosium(III) [(Dy(P₃O₁₀))²⁻]³⁻ ion, and its decomposition in the presence of rat muscle. *Magn Res Med* 1986; 3: 164
- Matzinger FRK; Ho C-S; Yee AC; Gray RR: pancreatic pseudocysts drained through a percutaneous transgastric approach: further experience. *Radiology* 1988; 167: 431
- Matzinger J See Ammann W
- Matzinger MA See Marrocco FS
- Matzkin E See Norman A
- Matzkin H See Inbar M
- Maubach PA See Heuck A
- Maublant JC See Narahara KA
- Maublant JC; Gachon P; Moins N: hexakis (2-methoxy isobutylisocyanide) technetium-99m and thallium-201 chloride: uptake and release in cultured myocardial cells. *J Nucl Med* 1988; 29: 48
- Maublant JC; Peycelon F; Cardot JC; et al: value of myocardial defect size measured by thallium-201 SPECT: results of a multicenter trial comparing heparin and a new fibrinolytic agent. *J Nucl Med* 1988; 29: 1486
- Maublant JC; Sournac M; Alache J-M; et al: dissolution rate and transit times of technetium-99m DTPA-labeled tablets. *J Nucl Med* 1987; 28: 1199
- Mauch P See Powells WD
- Maudsley AA: Fourier imaging using rf phase encoding. *Magn Res Med* 1986; 3: 768
- Maughan R See Stewart F
- Maulik D; Robinson L; Daily DK; et al: prenatal sonographic depiction of intralobar pulmonary sequestration. *J Ultrasound Med* 1987; 6: 703
- Mauney KA See Acker JD
- Mauney M See Nov AA
- Maurer AH See Brodsky RI
- Maurer AH See Charles ND
- Maurer AH See Knight LC
- Maurer AH See Mesgarzadeh M
- Maurer AH: nuclear medicine: SPECT comparisons to PET. *Radiol Clin North Am* 1988; 26: 1059
- Maurer AH; Millmond SH; Knight LC; Mesgarzadeh M; Siegel JA; Shuman CR; Adler LP; Greene GS; Malmud LS: infection in diabetic osteoarthritis: use of indium-labeled leukocytes for diagnosis. *Radiology* 1986; 161: 221
- Maurer DE See Torres WE
- Mauri C See Cris G
- Maurice F See Grenier P
- Maurice HD; Newman JH; Watt I: bone scanning of the foot for unexplained pain. (ab). *Radiology* 1987; 165: 885
- Mauricio JC See Goulao A
- Mauritzen K See Johnsen A
- Mauro F; Teodori L; Schumann J; et al: flow cytometry as a tool for the prognostic assessment of human neoplasia. *Int J Radiat Oncol Biol Phys* 1986; 12: 625
- Mauro MA See Gaisie G
- Mauro MA See Jacques PF
- Mauro MA See Mandel SR
- Mauro MA See Parker LA
- Mauro MA See Rosenman J
- Mauro MA See Saifit HD
- Mauro MA; Jacques PF: new technique for left adrenal vein catheterization. *Cardiovasc Intervent Radiol* 1987; 10: 86
- Mauro MA; Jacques PF; Moore M: popliteal artery and its branches: embryologic basis of normal and variant anatomy. *AJR* 1988; 150: 435
- Mauro MA; Jacques PF; Swankowski TM; et al: CT after uncomplicated esophageal sclerotherapy. *AJR* 1986; 147: 57
- Mauro MA; Parker LA; Hartley WS; et al: epidermolysis bullosa: radiographic findings in 16 cases. *AJR* 1987; 149: 925
- Maus TP See Berquist TH
- Maus TP See Hodgman CG
- Maus TP; Berquist TH; Bender CE; Rand JA: arthrographic study of painful total hip arthroplasty: refined criteria. *Radiology* 1987; 162: 721
- Mauss Y See Grucker D
- Maves MD; Lloyd TV; Carithers JS: radiographic identification of ingested disc batteries. *Pediatr Radiol* 1986; 16: 154
- Mavroudis C; Malangoni MA; Katzmark SL; et al: comparative clearance rates of the pleural and peritoneal cavities. (ab). *Radiology* 1988; 168: 292
- Mawad M See Brown EW
- Mawad ME See Bryan RN
- Mawdsley GE See Yaffe MJ
- Mawhinney RR; Buckley JH; Holland IM; et al: value of magnetic resonance imaging in the diagnosis of intracranial meningiomas. *Clin Radiol* 1986; 37: 429
- Mawhinney RR; Buckley JH; Worthington BS; et al: magnetic resonance imaging of the cerebello-pontine angle. *Br J Radiol* 1986; 59: 961
- Mawhinney RR; Gregson RHS: is ureteric compression still necessary? *Clin Radiol* 1987; 38: 179
- Mawhinney RR; Powell MC; Worthington BS; et al: magnetic resonance imaging of benign ovarian masses. *Br J Radiol* 1988; 61: 179
- Mawik JR See McConnell JR
- Mawko G See Peters TM
- Maximilien R See Dean G
- Maxon HR; Deutsch EA; Thomas SR; Libson K; Lukes SJ; Williams CC; Ali S: Re-186(Sn) HEDP for treatment of multiple metastatic foci in bone: human biodistribution and dosimetric studies. *Radiology* 1988; 166: 501
- Maxon HR; Hertzberg V; Vasavada P; et al: continuing impact of thyroid scintigraphy on the diagnosis of thyroid enlargement. *Clin Nucl Med* 1986; 11: 306
- Maxon HR; Velle C; Hertzberg V; et al: variations in serum thyroxine concentrations with time after an oral replacement dose. *Clin Nucl Med* 1987; 12: 389
- Maxwell AJ; Mamtora H: fungal liver abscesses in acute leukaemia—a report of two cases. *Clin Radiol* 1988; 39: 197

- May B:** Joint Review Committee on Education in Radiologic Technology, Radiology 1988; 167: 570
- May C** See Williams SM
- May G** See Ferrucci JT
- May GR** See Williams HJ Jr
- May GR:** solvent dissolution of gallstones, Radiology 1988; 168: 331
- May GR, James EM; Bender CE; Williams HJ Jr; Adson MA:** diagnosis and treatment of jaundice, Radiographics 1986; 6: 847
- May KJ Jr; Cardone JT; Stroebel PP; et al:** streptokinase dissolution of a right atrial thrombus associated with a temporary pacemaker, (ab), Radiology 1988; 169: 588
- May M** See Curtin HD
- Mayberg HS** See Kumar AJ
- Mayden KL** See Vermesh M
- Mayekawa DS** See Ralls FW
- Mayer DP** See Ball DS
- Mayer JM; De Liège P; Netter JM; et al:** computerized tomography and nuclear magnetic resonance imaging in Marchiafava-Bignami disease, J Neuroradiol 1987; 14: 152
- Mayer JS; Kulkarni MV; Yeakley JW:** craniocervical manifestations of neurofibromatosis: MR versus CT studies, JCAT 1987; 11: 839
- Mayer AG** See Kolosov OV
- Mayhew E:** selective drug delivery systems, Invest Radiol 1988; 23: 229
- Mayles HMO** See Habibollahi F
- Mayles WPM** See Habibollahi F
- Maynar M; Guerra C; Reyes R; Mayor J; Garcia J; Facal P; Castañeda-Zuniga WR; Letourneau JC:** esophageal strictures: balloon dilation, Radiology 1988; 167: 703
- Maynard CD:** grantsmanship: report on the conjoint committee workshop, Invest Radiol 1986; 21: 939
- Maynard WH** See McNeal GR
- Mayo J** See Müller NL
- Mayo J** See Stein MG
- Mayo J; Culham JAG:** magnetic resonance imaging in pediatric vascular disease, J Canad Assoc Radiol 1987; 38: 165
- Mayo JR** See Robertson WD
- Mayo JR; McVeigh ER; Hoffman N; Poon PY; Henkelman RM:** disappearing iliac vessels: an MR phase cancellation phenomenon, Radiology 1987; 164: 555
- Mayo JR; Müller NL; Henkelman RM:** double-fissure sign: a motion artifact on thin-section CT scans, Radiology 1987; 165: 580
- Mayo JR; Webb WR; Gould R; Stein MG; Bass I; Gamsu G; Goldberg HI:** high-resolution CT of the lungs: optimal approach, Radiology 1987; 163: 507
- Mayo KA** See Richardson ML
- Maynor J** See Maynar M
- Mayr B; Heywang SH; Ingrisch H; et al:** comparison of CT with MR imaging of endobronchial tumors, JCAT 1987; 11: 43
- Maysey M** See vanSonnenberg E
- Maytal J; Alvarez LA; Elkin CM; et al:** external hydrocephalus: radiologic spectrum and differentiation from cerebral atrophy, AJNR 1987; 8: 271
- Maywood CM** See Sandler MA
- Mazer MJ** See Earthman WJ
- Mazer MJ; Carroll FE; Falke THM:** practical aspects of gated magnetic resonance imaging of the pulmonary artery, J Thorac Imag 1988; 3-3: 73
- Mazeron J-J** See Crook J
- Mazeron J-J** See Pierquin B
- Mazeron J-J; Ghalié R; Zeller J; et al:** radiation therapy for carcinoma of the pinna using iridium 192 wires: series of 70 patients, Int J Radiat Oncol Biol Phys 1986; 12: 1757
- Mazeron J-J; Langlois D; Glaubiger D; et al:** salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5-year results of 70 cases, Int J Radiat Oncol Biol Phys 1987; 13: 957
- Mazeron JJ; Lusinchi A; Marinello G; et al:** interstitial radiation therapy for squamous cell carcinoma of the tonsillar region: Creteil experience (1971-1981), Int J Radiat Oncol Biol Phys 1986; 12: 895
- Mazeron J-J; Marinello G; Crook J; et al:** definitive radiation therapy for early stage carcinoma of the soft palate and uvula: the indications for iridium 192 implantation, Int J Radiat Oncol Biol Phys 1987; 13: 1829
- Mazess B; Vetter J; Weaver DS:** bone changes in oophorectomized monkeys: CT findings, JCAT 1987; 11: 302
- Mazess RB** See Laval-Jeantet AM
- Mazess RB:** bone mineral content in early-postmenopausal and postmenopausal osteoporotic women, Radiology 1987; 165: 289
- Mazoyer BM** See Guilbeau JC
- Mazoyer BM; Huesman RH; Budinger TF; et al:** dynamic PET data analysis, JCAT 1986; 10: 645
- Mazur DJ:** what should patients be told prior to a medical procedure? ethical and legal perspectives on medical informed consent, (ab), Radiology 1987; 163: 592
- Mazur MT** See Katzenstein A-LA
- Mazzarisi A** See Lattanzi F
- Mazzi A** See Corbetti F
- Mbuyi-Muamba JM; Dequeker J:** bone mass measured by photonabsorptiometry and radiogrammetry in Wistar rats: age and sex variations, Invest Radiol 1986; 21: 336
- Meacham MA** See Urrutia EJ
- Meacham PW** See Dean RH
- Meacham RB** See Libby JM
- Meagher-Villemure K** See Cosgrove GR
- Meagher-Villemure K** See Paltiel HJ
- Meaney TF** See Ng TC
- Meanock CJ; Ward CS; Williams MP:** potential pitfall of pelvic computed tomography, Br J Radiol 1988; 61: 584
- Meanwell CA; Rolfe EB; Blackledge G; Docker MF; Lawton FG; Mould J:** recurrent female pelvic cancer: assessment with transrectal ultrasonography, Radiology 1987; 162: 278
- Meares CF** See Cole WC
- Meares CF** See Deshpande SV
- Meares CF** See Goodwin DA
- Meares EM Jr** See Heaney JA
- Meares MB** See Penketh ARL
- Mears DC** See Burk DL Jr
- Mechling JA; Strohbehn JW:** theoretical comparison of the temperature distributions produced by three interstitial hyperthermia systems, Int J Radiat Oncol Biol Phys 1986; 12: 2137
- Mechlis-Frish S** See Melloul MM
- Medearis AL** See Shields JR
- Medeiros LJ** See Picker LJ
- Medeiros LJ; Gelb AB; Weiss LM:** low-grade renal cell carcinoma: a clinicopathologic study of 53 cases, (ab), Radiology 1988; 166: 587
- Medler JF** See Constans JP
- Medical Research Council Neutron Therapy Working Group:** comparative review of the Hammersmith (1971-75) and Edinburgh (1977-82) neutron therapy trials of certain cancers of the oral cavity, oropharynx, larynx and hypopharynx, Br J Radiol 1986; 59: 429
- Medina E** See Silvestre ME
- Medina JL** See Bender TM
- Medina L** See Sostre S
- Medina M** See Bird CR
- Medlin VL** See Janaki LM
- Medrea M; Meydam K; Schmitt WG:** MRI visualization of the aortic nipple, Cardiovasc Intervent Radiol 1988; 11: 29
- Mediger TA Jr** See Cush JJ
- Mediger TA Jr** See Segel MC
- Meduri GU; Stover DE; Lee M; et al:** pulmonary Kaposi's sarcoma in the acquired immune deficiency syndrome: clinical, radiographic, and pathologic manifestations, (ab), Radiology 1987; 162: 587
- Mee SL; McAninch JW; Fedrizzi MF:** computerized tomography in bladder rupture: diagnostic limitations, (ab), Radiology 1987; 165: 589
- Mee SL; Thuroff JW:** small caliceal stones: is extracorporeal shock wave lithotripsy justified?, (ab), Radiology 1988; 169: 586
- Meekin GK; Ziesman HA; Klappenbach RS:** prognostic value and pathophysiologic significance of the rim sign in cholecystography, J Nucl Med 1987; 28: 1679
- Meema HE; Meema S:** postmenopausal osteoporosis: simple screening method for diagnosis before structural failure, Radiology 1987; 164: 405
- Meema HE; Meema S:** screening for postmenopausal osteoporosis: reply, Radiology 1988; 167: 873
- Meema HE; Oreopoulos DG:** morphology, progression, and regression of arterial and periarthral calcifications in patients with end-stage renal disease, Radiology 1986; 158: 671
- Meema HE; Oreopoulos DG; Murray TM:** periosteal resorption and periosteal neostosis: comparison of normal subjects and renal failure patients on chronic ambulatory peritoneal dialysis using MOP-3 image analysis system and a grading method, Skeletal Radiol 1986; 15: 14
- Meema S** See Meema HE
- Meenakshi A** See Udayachander M
- Meencke H-J** See Schönner W
- Meerwaldt JH** See Lybeert MLM
- Megevan M** See Gurrett JP
- Megibow AJ** See Balthazar EJ
- Megibow AJ** See Bosniak MA
- Megibow AJ** See Chazmar JH
- Megibow AJ** See Hulnick DH
- Megibow AJ** See Rumancik WM
- Megibow AJ** See Schwartz JM
- Megibow AJ** See Smith SJ
- Megibow AJ:** gastrointestinal lymphoma: role of CT in diagnosis and management, Semin US CT MR 1986; 7: 43
- Megibow AJ; Balthazar EJ; Hulnick DH:** radiology of nonneoplastic gastrointestinal disorders in acquired immune deficiency syndrome, Semin Roentgenol 1987; 22: 31
- Megibow AJ; Bosniak MA; Ho AG; Beller U; Hulnick DH; Beckman EM:** accuracy of CT in detection of persistent or recurrent ovarian carcinoma: correlation with second-look laparotomy, Radiology 1988; 166: 341
- Megret M** See Delaville J
- Meher C; William RR; Reddy RG:** association of a gravid uterus with a myoma: a case report, Australas Radiol 1987; 31: 68
- Mehler MF:** reversible rostral basilar artery syndrome, (ab), Radiology 1988; 168: 293
- Mehr SH; Franze I; Faulk RM; et al:** indium-111 labeled leukocyte imaging in the diagnosis and follow-up of malignant otitis externa, Clin Nucl Med 1988; 13: 212
- Mehra YN; Dubey SP; Mann SBS; et al:** correlation between high-resolution computed tomography and surgical findings in congenital aural atresia, (ab), Radiology 1988; 169: 591
- Mehringer CM** See Cobb SR
- Mehringer CM** See Higashida RT
- Mehta A** See Abeln EL
- Mehta AB; Evans JPM; Kumaran TO; et al:** non-Hodgkin's lymphoma: survey from a district general hospital, Clin Radiol 1986; 37: 183
- Mehta AB; Reyes FI; Fauman C:** primary radiotherapy of prolatonomas, (ab), Radiology 1988; 166: 591
- Mehta AR** See Hullgöl NG
- Mehta BA** See Jack CR Jr
- Mehta BA** See Quint DJ
- Mehta RC; Wilson MA; Periman SB:** osteosarcoma arising in Paget's disease of the calvarium, J Nucl Med 1988; 29: 414
- Mehta SD** See Gensburg RS
- Mehta SD** See Kulkarni MV
- Meier D** See Augustin N
- Meier D** See Buchli R
- Meier D** See Schopflin RE
- Meier D; Maier S; Bösliger P:** quantitative flow measurements on phantoms and on blood vessels with MR, Magn Res Med 1988; 8: 25
- Meier P** See Pretorius DH
- Meier RS** See Rubin SA
- Meignan M** See Picard C
- Meignan M; Rosso J; Leveau J; et al:** exercise increases the lung clearance of inhaled technetium-99m DTPA, J Nucl Med 1986; 27: 274
- Meignoni AS** See Meli JA
- Meijer CJLM** See van der Valk P
- Meire H** See Raby N
- Meire HB** See Berman I
- Meire HB** See Raby N
- Meis J** See Souba WW
- Meiselman MS; Ghahremani GG; Kaufman MW:** Crohn's disease of the duodenum complicated by adenocarcinoma, Gastrointest Radiol 1987; 12: 333
- Meister WJ** See Guest SS
- Meissner R** See Koenig H
- Meister HP; Rabben U:** case report 412, Skeletal Radiol 1987; 16: 158
- Meister J-J** See Marquis C
- Meistrich ML** See Ito H
- Meizner I; Barki Y; Hertzman Y:** prenatal sonographic diagnosis of agenesis of corpus callosum, JCU 1987; 15: 262
- Meizner I; Barki Y; Tadmor R; et al:** in utero ultrasonic detection of fetal arachnoid cyst, JCU 1988; 16: 506
- Meizner I; Bar-Ziv J:** prenatal ultrasonic diagnosis of a rare case of iniencephaly apertus, JCU 1987; 15: 200
- Meizner I; Katz M; Press F:** assessment of uteroplacental blood flow velocity wave forms in a pregnant patient with systemic lupus erythematosus, JCU 1988; 16: 55
- Mekhdumdarov S; Azaria M; Engelberg S; et al:** utility of 24 hour bone scan in evaluation of bone involvement by soft tissue sarcoma, Clin Nucl Med 1988; 13: 649
- Mela F** See Bianchi SD
- Melada GA** See Winzelberg GG
- Melalek KE** See Berkowitz GS
- Melanson D** See Dorne HL
- Melanson D** See Fontaine S
- Melanson D** See Millette PC
- Melanson D** See Tampieri D
- Melanson D** See Theron J
- Melanson D** See Thibodeau M
- Melanson D** See Worthington C
- Melbye KM** See Hasegawa BH
- Meli JA; Meignoni AS; Nath R:** on the choice of phantom material for the dosimetry of ^{137}Cs sources, Int J Radiat Oncol Biol Phys 1988; 14: 587

Melichar AC See Uflacker R

Melin JA; Becker LC: quantitative relationship between global left ventricular thallium uptake and blood flow: effects of propranolol, quabain, diprydamole, and coronary artery occlusion. *J Nucl Med* 1986; 27: 641

Melki JP See Fermand M

Melki JP; Riche MC; Reizine D; et al: simultaneous bifemoral retrograde arteriography under pressure: first stage in angiographic exploration of the spine and spinal cord. *J Neuroradiol* 1986; 13: 62

Melli A See Zoli M

Mello WD See Dooley CP

Mellors JW; Horowitz RI; Harvey MR; et al: simple index to identify occult bacterial infection in adults with acute unexplained fever. (ab). *Radiology* 1987; 165: 592

Melloul MM; Shmueli D; Mechlis-Frish S; et al: scintigraphic evaluation of parenchymal malakoplakia in a transplanted kidney. *Clin Nucl Med* 1988; 13: 525

Melnick H See Rao VM

Melonas CF See Beyers JA

Meloni L; Rusciano M; Versace R; et al: unusual pericardial cyst location: value of two-dimensional echocardiography in diagnosis. *J Ultrasound Med* 1988; 7: 519

Melson GL See Middleton WD

Melson GL; Shackelford GD; Cole BR; et al: spectrum of sonographic findings in infantile polycystic kidney disease with urographic and clinical correlations. (ab). *Radiology* 1986; 158: 283

Melton JW See Parker LA

Meltzer MS See Lessig HJ

Melville GE See Oot RF

Memic LDF See Brown RKJ

Memula N See Murphy DJ Jr

Mena I See Liu J

Mena I See Philippe L

Mena I See Yang K-TA

Menanteau B See Gomes H

Menanteau BP: Doppler echocardiography.

Radiology 1986; 159: 146

Menanteau BP: practical CT technology and techniques. *Radiology* 1988; 167: 128

Menanteau BP: practical guide to ultrasound in obstetrics and gynecology. *Radiology* 1988; 167: 58

Menanteau BP: vascular and Doppler ultrasound. *Radiology* 1986; 158: 480

Menard MK See Coleman BG

Menard TW See Rasey JS

Menard TW; Osgood TB; Clark JJ; et al: radioprotection against cataract formation by WR-7913 in gamma-irradiated rats. *Int J Radiat Oncol Biol Phys* 1986; 12: 1483

Mendelson D See Hermann G

Mendelson DS See Cobb RJ

Mendelson DS See Cohen BA

Mendelson DS See Gale JT

Mendelson DS See Salomon A

Mendelson DS See Shapiro RS

Mendelson DS; Cohen BA; Krellenstein DJ; et al: computed tomography findings in tuberculous mediastinitis. *CT* 1987; 11: 123

Mendelson DS; Khilnani N; Wagner LD; Rabinowitz JG: preoperative chest radiography: value as a baseline examination for comparison. *Radiology* 1987; 165: 341

Mendelson DS; Rabinowitz JG: preoperative chest radiography: reply. *Radiology* 1988; 167: 282

Mendelson EB See Fleischer AC

Mendelson EB; Bohm-Vélez M; Joseph N; et al: endometrial abnormalities: evaluation with transvaginal sonography. *AJR* 1988; 150: 139

Mendelson EB; Bohm-Vélez M; Joseph N; Neiman HL: gynecologic imaging: comparison of transabdominal and transvaginal sonography. *Radiology* 1988; 166: 321

Mendelson EB; Bohm-Vélez M; Neiman HL; et al: transvaginal sonography in gynecologic imaging. *Semin US CT MR* 1988; 9: 102

Mendelson RM See Danher J

Mendelson RM; Lindsell DRM: ultrasound examination of the pediatric "acute abdomen": preliminary findings. *Br J Radiol* 1987; 60: 414

Mendelson RM; Tobin MV; Gilmore IT: bile duct measurements after ceruletide as an aid to the ultrasound diagnosis of cholelithiasis. *Gastrointest Radiol* 1988; 13: 41

Mendenhall NP See Mendenhall WM

Mendenhall WM See Ellis ER

Mendenhall WM See Gardner KE

Mendenhall WM See Parsons JT

Mendenhall WM See Weems DH

Mendenhall WM; Million RR: elective neck irradiation for squamous cell carcinoma of the head and neck: analysis of time-dose factors and causes of failure. *Int J Radiat Oncol Biol Phys* 1986; 12: 741

Mendenhall WM; Million RR; Cassisi NJ: squamous cell carcinoma of the head and neck treated with radiation therapy: role of neck dissection for clinically positive neck nodes. *Int J Radiat Oncol Biol Phys* 1986; 12: 733

Mendenhall WM; Million RR; Parsons JT; et al: chemodectoma of the carotid body and ganglion nodosum treated with radiation therapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 2175

Mendenhall WM; Parsons JT; Amdur RJ; et al: squamous cell carcinoma of the head and neck treated with radiation therapy: the impact of neck stage on local control. *Int J Radiat Oncol Biol Phys* 1988; 14: 249

Mendenhall WM; Parsons JT; Mendenhall NP; et al: T2-T4 carcinoma of the skin of the head and neck treated with radical irradiation. *Int J Radiat Oncol Biol Phys* 1987; 13: 975

Mendenhall WM; Parsons JT; Million RR: elective lower neck irradiation: 5000 cGy/25 fractions versus 4050 cGy/15 fractions. *Int J Radiat Oncol Biol Phys* 1988; 15: 439

Menerey K See Braunstein EM

Menezes AH See Dunn V

Menezes AH See Gentry LR

Menezes AH See Smoker WRK

Menezes AH; VanGilder JC; Clark CR; et al: odontoid upward migration in rheumatoid arthritis: analysis of 45 patients with "cranial settling". (ab). *Radiology* 1986; 161: 287

Meng RL; Harlan JL: left anterior descending coronary artery: right ventricle fistula complicating percutaneous transluminal angioplasty. (ab). *Radiology* 1986; 159: 575

Menges W See Strauss LG

Menke JA See Miles RD

Mennuti M See Allen KS

Mennuti M See Coleman BG

Mennuti MT See Gabbe SG

Mennuti MT See Grumbach K

Menor F See Garcia FJ

Menor F See Marti-Bonmati L

Mensire A See Roca M

Menticoglou S See Vincent RN

Mentzer SJ; Ostert RT; Pappas TN; et al: surgical therapy of localized anaplastic non-Hodgkin's lymphomas. (ab). *Radiology* 1988; 169: 585

Mentzer WC See Brody AS

Menu Y See Grenier P

Menu Y See Mathieu D

Menu Y; Gayet B; Nahum H: bleeding duodenal varices: diagnosis and treatment by percutaneous portography and transcatheter embolization. *Gastrointest Radiol* 1987; 12: 111

Meny RG See Wright LL

Menzies R; Fraser R: round atelectasis: pathologic and pathogenetic features. (ab). *Radiology* 1988; 166: 909

Menzies R; Hidvegi R: chylothorax associated with tuberculous spondylitis. *J Canad Assoc Radiol* 1988; 39: 238

Menzoian JO See Castelman NL

Meoz R See Spanos WJ Jr

Meradji M See Baerts W

Meradji M See Gilsanz V

Meradji M See Schut JM

Meranze SG See Burke DR

Meranze SG See Doemeny JM

Meranze SG See Fedullo LM

Meranze SG See Lewis VD III

Meranze SG See McLean GK

Meranze SG See Mishkin JD

Meranze SG See Sacks D

Meranze SG See Svigals PJ

Meranze SG See Titelman DS

Meranze SG; LeVeen RF; Burke DR; Cope C; McLean GK: transesophageal drainage of mediastinal abscesses. *Radiology* 1987; 165: 395

Meranze SG; Stein EJ; Burke DR; et al: removal of retained common bile duct stones with angiographic occlusion balloons. *AJR* 1986; 146: 383

Merboldt K-D See Frahm J

Mercadante G See De Maria M

Mercado S; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Young AT; Cardella JF; Lange PH; Hulbert JC; Reddy PK: double puncture: effective percutaneous technique for removing complex, multiple renal calculi. *Radiology* 1986; 158: 207

Mercer JR See Abrams DN

Merchant B See Halpern SE

Merchun G See Rees CR

Merchut MP See McVeigh MC

Merchut MP; Haberland C; Naheedy MH; et al: long survival of primary cerebral lymphoma with progressive radiation necrosis. (ab). *Radiology* 1986; 158: 571

Meredith MJ See Freeman ML

Meredith RF; Eisert DR: 1986 Association of Residents in Radiation Oncology survey. *Int J Radiat Oncol Biol Phys* 1987; 13: 1893

Merhar GL; Clark RA; Schneider HJ; et al: high-resolution computed tomography of the wrist in patients with carpal tunnel syndrome. *Skeletal Radiol* 1986; 15: 549

Merickel MB See Pearlman JD

Merikanto J See Pääväsalo M

Merimsky E; Greenstein A; Baron J; et al: phantom kidney: a pitfall in radionuclide study of urinary tract. (ab). *Radiology* 1988; 166: 587

Merine DS; Fishman EK; mediastinal adenopathy and endobronchial involvement in metastatic renal cell carcinoma. *CT* 1988; 12: 216

Merine DS; Fishman EK; Jones B: pseudomembranous colitis: CT evaluation. *JCAT* 1987; 11: 1017

Merine DS; Fishman EK; Jones B; et al: enterocenter intussusception: CT findings in nine patients. *AJR* 1987; 148: 1129

Merine DS; Fishman EK; Jones B; et al: right lower quadrant pain in the immunocompromised patient: CT findings in 10 cases. *AJR* 1987; 149: 1177

Merine DS; Fishman EK; Magid D: CT detection of sacral osteomyelitis associated with pelvic abscesses. *JCAT* 1988; 12: 118

Merine DS; Fishman EK; Siegelman SS: renal xanthogranulomatosis: radiological, clinical, and pathological features in two cases. *JCAT* 1987; 11: 785

Merine DS; Fishman EK; Sitzmann JV; et al: vascular abnormalities following radio- and chemotherapy of hepatic neoplasms: CT angiographic findings. *JCAT* 1988; 12: 584

Merine DS; Fishman EK; Zerhouni EA: computed tomography and magnetic resonance imaging diagnosis of thymic cyst. *CT* 1988; 12: 220

Merine DS; Fishman EK; Zerhouni EA: spontaneous hepatic hemorrhage: clinical and CT findings. *JCAT* 1988; 12: 397

Merine DS; Mezziane M; Fishman EK: CT diagnosis of gallbladder torsion. *JCAT* 1987; 11: 712

Merine DS; Wang H; Kumar AJ; et al: CT myelography and MR imaging of acute transverse myelitis. *JCAT* 1987; 11: 606

Merion RM See Von Moll LK

Merkitz IR See Kiwi R

Merkel KD; Brown ML; Fitzgerald RH Jr: sequential technetium-99m HMDP-gallium-67 citrate imaging for the evaluation of infection in the painful prosthesis. *J Nucl Med* 1986; 27: 1413

Merkel KD; Johnson EW Jr: supracondylar fracture of the femur after total knee arthroplasty. (ab). *Radiology* 1986; 160: 285

Merland JJ See Aymard A

Merland J-J See Laredo J-D

Merland J-J See Rufenacht D-A

Merli GJ See Kramer FL

Merlini L; Albisinni U; Savini R: case report 384. *Skeletal Radiol* 1986; 15: 488

Merlo RB: essentials of nuclear medicine imaging. *Radiology* 1986; 160: 548

Merrick HW See Ries MC

Merrick MV See Brydon WG

Merrick MV See Gerrard M

Merrick MV See Kunkler IH

Merrick MV See Nimmo MJ

Merrick MV See Notghi A

Merrick MV See van den Oever M

Merrill CR See Jennings CM

Merrill CR; Knox AM: patient attitudes to body computed tomography: use of an information leaflet. *Clin Radiol* 1986; 37: 537

Merrill CR; Steiner GM: barium enema after biopsy: current practice and opinion. *Clin Radiol* 1986; 37: 89

Merrill TN See Vyborny CJ

Merritt CRB See Bluth EI

Merritt CRB: Doppler color flow imaging. *JCU* 1987; 15: 591

Merritt CRB: magnetic resonance imaging—a clinical perspective: image quality, safety and risk management. *Radiographics* 1987; 7: 1001

Merritt CRB; Filly RA; Lawson TL: ultrasonography: RSNA '87 meeting notes. *Radiology* 1988; 166: 924

Merritt TA See Bejar R

Merskey H See Hachinski VC

Merten CW See Turner DA

Merten CW See Wiener JJ

Merten DF See Apple JS

Merten DF See Wiener MD

Merten DF See Williams DW

Merton D See Woodruff WJ III

Mertz GT See Barany M

Mertz JH See Lingeman JE

Mervat M See Dion JE

Mervis SA See Pennell RG

Merve PCvd See Schultze Kool LJ

Merwin WH Jr; Barnes L; Meyers EN: unilateral cystic sebaceous lymphadenoma of the parotid gland. (ab). *Radiology* 1986; 158: 573

Merz JL See Thijssen HOM

Merz JL See van Dijk Azz R

Merz E; Goldhofer W: sonographic diagnosis of lethal osteogenesis imperfecta in the second trimester: case report and review. *JCU* 1986; 14: 380

- Merz E; Kim-Kern M-S; Pehl S: ultrasonic mensuration of fetal limb bones in the second and third trimesters, *JCU* 1987; 15: 175
- Merz T; Tatum J; Hirsch J: technetium-99m-labeled lymphocytes: radiotoxicity study, *J Nucl Med* 1986; 27: 105
- Meservy CJ; Towbin RB; McLaurin RL; et al: radiographic characteristics of skull fractures resulting from child abuse, *AJNR* 1987; 8: 455
- Mesgarzadeh M See Herman SD
- Mesgarzadeh M See Hillmann JS
- Mesgarzadeh M See Maurer AH
- Mesgarzadeh M; Bonakdarpour A; Radecki PD: case report 395, *Skeletal Radiol* 1986; 15: 584
- Mesgarzadeh M; Revesz G; Bonakdarpour A: femoral neck torsion angle measurement by computed tomography, *JCAT* 1987; 11: 799
- Mesgarzadeh M; Sapega AA; Bonakdarpour A; Revesz G; Moyer RA; Maurer AH; Alburger PD: osteochondritis dissecans: analysis of mechanical stability with radiography, scintigraphy, and MR imaging, *Radiology* 1987; 165: 775
- Mesgarzadeh M; Schneck CD; Bonakdarpour A: magnetic resonance imaging of the knee and correlation with normal anatomy, *Radiographics* 1988; 8: 707
- Messina J See Winkler SS
- Mesrobian HG See Johnson KM
- Messersmith RN See Kahn CE Jr
- Messersmith RN See Liebman CE
- Messina AL See Locatelli D
- Messios N See Walsley D
- Messmer J See Cho S-R
- Messmer JM See Turner MA
- Messmer JM; Fierro MF: radiologic forensic investigation of fatal gunshot wounds, *Radiographics* 1986; 6: 457
- Mestel AL See Cohen HL
- Meszáros WT; Fendergrass HF; Wachowski TJ: Chicago and the RSNA, *Radiology* 1988; 167: 442
- Metcalfe PE See Coalter GC
- Metes JJ See Wilner HI
- Metreau J-M See Guinet C
- Metreweli C See Ahsy M
- Metreweli C See Leung JWC
- Metreweli C See Price J
- Mettler FA Jr See Kelsey CA
- Mettler FA Jr See Pollei SR
- Mettler FA Jr See Sheward SE
- Mettler FA Jr See Siegel BA
- Mettler FA Jr See Tryhns M
- Mettler FA Jr See Williams AG Jr
- Mettler FA Jr: diagnostic radiology: usage and trends in the United States, 1964-1980, *Radiology* 1987; 162: 263
- Mettler FA Jr; Monsein L; Davis M; et al: three-phase radionuclide bone scanning in evaluation of local radiation injury: a case report, *Clin Nucl Med* 1987; 12: 805
- Mettlin C See Lee F
- Mettlin C See Torp-Pedersen ST
- Metz CE See MacMahon H
- Metz CE: ROC methodology in radiologic imaging, *Invest Radiol* 1986; 21: 720
- Metz KR; Stankiewicz PJ; Sassani JW; et al: pulse techniques for the suppression of individual components in multiexponential relaxation curves, *Magn Res Med* 1986; 3: 575
- Metzger J See Zouanol A
- Meuli RA; Wedeen VJ; Geller SC; Edelman RR; Frank LR; Brady TJ; Rosen BR: MR gated subtraction angiography: evaluation of lower extremities, *Radiology* 1986; 159: 411
- Mevorach RA; Lerner RM; Dvoretzky PM; et al: testicular abscess: diagnosis by ultrasonography, *Radiology* 1987; 163: 588
- Mewissen MW; Lipchik EO; Schreiber ER; Varma RR: liver biopsy through the femoral vein, *Radiology* 1988; 169: 842
- Meydam K See Medrea M
- Meyer CJLM See Castiljns JA
- Meyer CR See Borello JA
- Meyer CR See Braunstein EM
- Meyer CR See Carson PL
- Meyer CR See Williams DM
- Meyer CR; Chiang EH; Fechner KP; Fitting DW; Williams DM; Buda AJ: feasibility of high-resolution, intravascular ultrasonic imaging catheters, *Radiology* 1988; 168: 113
- Meyer E; Yamamoto LY; Evans AC; et al: radiation dose to upper airways from inhaled oxygen-15 carbon dioxide, *J Nucl Med* 1987; 28: 234
- Meyer FB; Sundt TM Jr; Pearson BW: carotid body tumors: subject review and suggested surgical approach, (ab), *Radiology* 1987; 162: 888
- Meyer GA See Choi SK
- Meyer GA See Czervionke LF
- Meyer GA See Daniels DL
- Meyer GA See Petty AM
- Meyer JE See Stomper PC
- Meyer JE; Greenes RA; Sonnenfeld MR: breast immobilization for occult mass aspiration, *Radiology* 1988; 169: 266
- Meyer JE; Oot RF; Lindfors KK: CT appearance of clival chordomas, *JCAT* 1986; 10: 34
- Meyer JE; Sonnenfeld MR; Greenes RA; Stomper PC: cancellation of preoperative breast localization procedures: analysis of 53 cases, *Radiology* 1988; 169: 629
- Meyer JE; Sonnenfeld MR; Greenes RA; Stomper PC: preoperative localization of clinically occult breast lesions: experience at a referral hospital, *Radiology* 1988; 169: 627
- Meyer JS; Kim CS; Price HM; et al: ultrasound presentation of primary carcinoma of the fallopian tube, *JCU* 1987; 15: 152
- Meyer JS; Shinohara T; Isai A; et al: imaging local cerebral blood flow by xenon-enhanced computed tomography—technical optimization procedures, *Neuroradiol* 1988; 30: 283
- Meyer K See Bernstein JE
- Meyer K; Gargis N; McGravey V: adenovirus associated with congenital pleural effusion, (ab), *Radiology* 1986; 158: 863
- Meyer M See Labbe A
- Meyer P See Poullaud JM
- Meyer PR See Burkes RL
- Meyer RA: echo acquisition during frequency-selective pulse trains for proton spectroscopy of metabolites in vivo, *Magn Res Med* 1987; 4: 297
- Meyer RL See Shehata WM
- Meyerovitz MF See Boat LM
- Meyerovitz MF See Gardiner GA Jr
- Meyerovitz MF; Friedman FL; Ganz P; Selwyn AP; Levin DC: acute occlusion developing during or immediately after percutaneous transluminal coronary angioplasty: nonsurgical treatment, *Radiology* 1988; 169: 491
- Meyers A See Chachati A
- Meyers DG; McCall DJ; Sears TD; et al: duplex pulsed Doppler echocardiography in mitral regurgitation, *JCU* 1986; 14: 117
- Meyers EN See Merwin WH Jr
- Meyers L See Sisson JC
- Meyers MA See Oliphant M
- Meyers MA; Oliphant M; Berne AS; Feldberg MAM: annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease, *Radiology* 1987; 163: 593
- Meyers PC See Giyanani VL
- Meyers TP See Sherry CS
- Meyers WC See Sussman SK
- Meyer-Waarden K See Strecker E-P
- Meyhoff H-H See Thomsen HS
- Meyskens FL Jr See Yohem KH
- Meziane M See Merline DS
- Meziane MA See Hruban RH
- Meziane MA See Khouri NF
- Meziane MA; Fishman EK; Goldman SM; et al: computed tomography of high density renal cysts in adult polycystic kidney disease, *JCAT* 1986; 10: 767
- Meziane MA; Hruban RH; Zerhouni EA; Wheeler PS; Khouri NF; Fishman EK; Hutchins GM; Siegelman SS: high resolution CT of the lung parenchyma with pathologic correlation, *Radiographics* 1988; 8: 27
- Meziane MM See Kuhlman JE
- Mezrich JL See Kundel HL
- Mezrich R; Banner MP; Pollack HM: magnetic resonance imaging of the adrenal glands, *Urol Radiol* 1986; 6: 127
- Mezrich RS; Axel L; Dougherty L; Kressel HY: strip scan: method for faster MR imaging, *Radiographics* 1986; 6: 833
- Mezwa DG See Farah MC
- Mezzacappa PM; Price AP; Haller JO; et al: MR and CT demonstration of levator sling in congenital anoctal anomalies, *JCAT* 1987; 11: 273
- Mezzacappa PM; Price AP; Kanner EG; Haller JO; Glassberg KI: Cohen ureteral reimplantation: sonographic appearance, *Radiology* 1987; 165: 851
- Mian TA; Van Patten MC Jr; Kramer DC; et al: backscatter radiation at bone-titanium interface from high-energy X and gamma rays, *Int J Radiat Oncol Biol Phys* 1987; 13: 1943
- Michael A See Vade A
- Michaels HB: oxygen depletion in irradiated aqueous solutions containing electron affinic hypoxic cell radiosensitizers, *Int J Radiat Oncol Biol Phys* 1986; 12: 1055
- Michaels L See Woodson GE
- Michalowski A: pathogenesis of the late side-effects of radiotherapy, *Clin Radiol* 1986; 37: 203
- Michaud J See Duprat G Jr
- Michel C See Pinet F
- Michelet AA: effects of intravascular contrast media on blood-brain barrier: comparison between iohalamate, iohexol, iopentol and iodoxanol, *Acta Radiol* 1987; 28: 329
- Micheli L See Nussbaum AR
- Micheli M See Powell-Jackson P
- Michelow P See Newman B
- Michels BA See Burke PE
- Michowitz M See Solomon A
- Mickle RA See Kessler DJ
- Mickle JP See Hanner JS
- Mickle JP See Hawkins J
- Micklos TJ See Traugott PD
- Micklos TJ See Wojtowycz MM
- Middaugh RE See Bauman JM
- Middleton MS See Healy ME
- Middleton MS See Stark DD
- Middleton RA See Simon TR
- Middleton TH See Al-Mefty O
- Middleton WD See Foley WD
- Middleton WD See Kellman GM
- Middleton WD See Kneeland JB
- Middleton WD See Pitus D
- Middleton WD; Dodds WJ; Lawson TL; Foley WD: renal calculi: sensitivity for detection with US, *Radiology* 1988; 167: 239
- Middleton WD; Foley WD; Lawson TL: color-flow Doppler imaging of carotid artery abnormalities, *AJR* 1988; 150: 419
- Middleton WD; Foley WD; Lawson TL: flow reversal in the normal carotid bifurcation: color Doppler flow imaging analysis, *Radiology* 1988; 167: 207
- Middleton WD; Inouye LW; Pitus D: right upper quadrant pain and tenderness in a young man, *Invest Radiol* 1986; 21: 670
- Middleton WD; Kneeland JB; Carrera GF; et al: high-resolution MR imaging of the normal rotator cuff, *AJR* 1987; 148: 559
- Middleton WD; Kneeland JB; Kellman GM; et al: MR imaging of the carpal tunnel: normal anatomy and preliminary findings in the carpal tunnel syndrome, *AJR* 1987; 148: 307
- Middleton WD; McAlister WH: hip joint fluid in the presence of the vacuum phenomenon, *Pediatr Radiol* 1986; 16: 171
- Middleton WD; Macrander S; Kneeland JB; et al: MR imaging of the normal elbow: anatomic correlation, *AJR* 1987; 149: 543
- Middleton WD; Macrander S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera GF; Foley WD; Jesmanowicz A; Hyde JS: high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, *Radiographics* 1987; 7: 645
- Middleton WD; Nelson GL: diaphragmatic discontinuity associated with perihaptic ascites: a sonographic refractive artifact, *AJR* 1988; 151: 709
- Middleton WD; Reinsu WR; Nelson GL; et al: pitfalls of rotator cuff sonography, *AJR* 1986; 146: 555
- Middleton WD; Smith DF; Foley WD: CT detection of aorticaval fistula, *JCAT* 1987; 11: 344
- Middleton WD; Thomsen MK; Lawson TL; et al: false-positive CT diagnosis of gallstones due to thickening of the gallbladder wall, *AJR* 1987; 149: 941
- Miedema B See Healey JH
- Miesel A See Lidz CW
- Mietasch A See Hess H
- Mietta A See Beluffi G
- Miglianico L; Eschwege F; Marandas P; et al: cervico-facial adenoid cystic carcinoma: study of 102 cases. influence of radiation therapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 673
- Miglior S See González RG
- Migliorini A See Urso S
- Mihm FG See Halperin BD
- Mijnheer BJ See Battermann JJ
- Mijnheer BJ See Rice RK
- Mikaelian DO See Nino-Murcia M
- Mikami R See Yoshimura H
- Mikati EM See Newman GE
- Mikawa H See Fujisawa I
- Mikecz K See Glant TJ
- Miketic LM See Carroll R
- Miketic LM See Mueller FR
- Miketic LM; Carroll R; Harris NL; et al: computed tomography in the evaluation of lymphoma of the uterine cervix, *CT* 1988; 12: 154
- Mikhael MA; Clirc IS: MR imaging of pituitary tumors before and after surgical and/or medical treatment, *JCAT* 1988; 12: 441
- Mikhael MA; Clirc IS; Wolff AP: MR diagnosis of acoustic neuroma, *JCAT* 1987; 11: 232
- Mikhael MA; Paige ML: Hodgkin's disease of spine: computed tomography and magnetic resonance imaging, *CT* 1987; 11: 174
- Mikhael MA; Paige ML; Widen AL: magnetic resonance imaging and the diagnosis of avascular necrosis of the femoral head, *Comput Radiol* 1987; 11: 157
- Miki T See Narumi Y
- Miki Y; Hataba H; Takahashi M; et al: computed tomography of bronchiolitis obliterans, *JCAT* 1988; 12: 512
- Mikity V See Vachon L

Mikolich

- Mikolich JR; Alloush N:** percutaneous transluminal coronary angioplasty in dextrocardia: case report, *Cardiovasc Intervent Radiol* 1988; 11: 140
- Mikulis DK See Weber AL**
- Millas L See Iwakawa M**
- Millas L See Stone HB**
- Millas L; Hunter N; Basic I; et al:** effect of the radiosensitizer misonidazole and the radioprotector diethyldithiocarbamate on spontaneous metastasis formation of murine tumors, *Int J Radiat Oncol Biol Phys* 1986; 12: 1071
- Millas L; Hunter N; Peters LJ:** tumor bed effect: dependence of tumor take, growth rate, and metastasis on the time interval between irradiation and tumor cell transplantation, *Int J Radiat Oncol Biol Phys* 1987; 13: 379
- Milavickas LR See Hedrick WR**
- Miles B See Littleton RH**
- Miles RD; Menke JA; Bashiru M; et al:** relationships of five Doppler measures with flow in an in vitro model and clinical findings in newborn infants, *J Ultrasound Med* 1987; 6: 597
- Miles SG See Hawkins JS**
- Miles SG; Cusumang WA; Williams JL:** pneumatic reduction of ileocolic intussusception in children, *Pediatr Radiol* 1988; 18: 3
- Miles SG; Kaude JV; Newman RC; et al:** extracorporeal shock-wave lithotripsy: prevalence of renal stones 3-21 months after treatment, *AJR* 1988; 150: 307
- Miles SG; Siragusa R; Hawkins IF Jr:** new directional accordion catheter for converting a retrograde puncture into an antegrade catheter placement, *AJR* 1988; 151: 197
- Millett T See Lund E**
- Millette PC; Melanson D:** lumbar diskography, *Radiology* 1987; 163: 828
- Milgram JW:** intrasosseous lipomas: radiologic and pathologic manifestations, *Radiology* 1988; 167: 155
- Milgram JW; Jasty M:** case report 361, *Skeletal Radiol* 1986; 15: 258
- Milgrom C; Kaplan L; Lax E:** case report 341, *Skeletal Radiol* 1986; 15: 150
- Milio L See Snyder JR**
- Milottianu D See Kleinhaus U**
- Miljan M See Kurjak A**
- Milman JM See Gordillo I**
- Miller AB; Fromson B; Strickland BA; et al:** computed tomography based estimates of regional gas and tissue volume of the lung in supine subjects with chronic airflow limitation or fibrosing alveolitis, (ab), *Radiology* 1987; 164: 292
- Miller AM See Bell D**
- Miller EA See Schlesinger AE**
- Miller SJ See Daniels DL**
- Miller AB See Baines CJ**
- Miller AB; Tschekovski M:** imaging technologies in breast cancer control: summary of a report of a World Health Organization meeting, *AJR* 1987; 148: 1093
- Miller CH See Stanton L**
- Miller CL See Sagalov BR**
- Miller CL See Wechsler RJ**
- Miller CL; Feig SA; Fox JW IV:** mammographic changes after reduction mammoplasty, *AJR* 1987; 149: 35
- Miller CL; Wechsler RJ:** CT evaluation of Kimray-Greenfield filter complications, *AJR* 1986; 147: 45
- Miller CM See Train JS**
- Miller D See Borer JS**
- Miller D See Logsdail S**
- Miller D See St. Amour TE**
- Miller DA; Carrasco CH; Katz RL; et al:** fine needle aspiration biopsy: role of immediate cytologic assessment, *AJR* 1986; 147: 155
- Miller DD See Gill JB**
- Miller DH See Johnson G**
- Miller DH; Kendall BE; Barter S; et al:** magnetic resonance imaging in central nervous system sarcoidosis, (ab), *Radiology* 1988; 169: 886
- Miller DH; Newton MR; van der Poel JC; et al:** magnetic resonance imaging of the optic nerve in optic neuritis, (ab), *Radiology* 1988; 169: 589
- Miller DH; Ormerod IEC; Gibson A; et al:** MR brain scanning in patients with vasculitis: differentiation from multiple sclerosis, *Neuroradiol* 1987; 29: 226
- Miller DK See Brody JM**
- Miller DL See Doppman JL**
- Miller DL See Frizzell LA**
- Miller DL See Maston PN**
- Miller DL See Reing JW**
- Miller DL See Wank SA**
- Miller DL See Williams AR**
- Miller DL:** failure of lvalon to provide permanent hepatic arterial occlusion, *Cardiovasc Intervent Radiol* 1987; 10: 111
- Miller DL:** fentanyl and diazepam for analgesia and sedation during radiologic special procedures: reply, *Radiology* 1987; 164: 284
- Miller DL:** hepatic metastasis detection: comparison of three CT contrast enhancement methods: reply, *Radiology* 1988; 168: 284
- Miller DL:** influence of hematocrit on hemolysis by ultrasonically activated gas-filled micropores, *Ultrasound Med Biol* 1988; 14: 293
- Miller DL:** review of the ultrasonic bioeffects of microsonation, gas-body activation, and related cavitation-like phenomena, *Ultrasound Med Biol* 1987; 13: 443
- Miller DL; Bacher JD; O'Leary TJ; et al:** comparison of hot contrast material and hot saline for renal ablation in a canine model, *Invest Radiol* 1986; 21: 56
- Miller DL; Chang R; Wells WT; Dowjat BA; Malinosky RM; Doppman JL:** intravascular contrast media: effect of dose on renal function, *Radiology* 1988; 167: 607
- Miller DL; Doppman JL; Chang R; Simmons JT; O'Leary TJ; Norton JA; Spiegel AM; Marx SJ; Aurbach GD:** angiographic ablation of parathyroid adenomas: lessons from a 10 year experience, *Radiology* 1987; 165: 601
- Miller DL; Doppman JL; Krudy AG; Shawker TH; Norton JA; Vucich JJ; Morriah KA; Marx SJ; Spiegel AM; Aurbach GD:** localization of parathyroid adenomas in patients who have undergone surgery, part I. invasive procedures, *Radiology* 1987; 162: 138
- Miller DL; Doppman JL; Shawker TH; Krudy AG; Norton JA; Vucich JJ; Morriah KA; Marx SJ; Spiegel AM; Aurbach GD:** localization of parathyroid adenomas in patients who have undergone surgery, part I. noninvasive imaging methods, *Radiology* 1987; 162: 133
- Miller DL; Fedio P:** whither the Wada?, *Radiology* 1988; 168: 871
- Miller DL; Girtlen ME; O'Leary TJ:** distribution of iodized oil within the liver after hepatic arterial injection: reply, *Radiology* 1987; 164: 586
- Miller DL; Lamore BJ:** ultrasonically activated gas-filled micropores release hemoglobin and antigens from human erythrocytes in vitro, *J Ultrasound Med* 1987; 6: 231
- Miller DL; Lamore BJ; Boraker DK:** lack of effect of pulsed ultrasound on ABO antigens of human erythrocytes in vitro, *Ultrasound Med Biol* 1986; 12: 209
- Miller DL; O'Leary TJ; Girtlen ME:** distribution of iodized oil within the liver after hepatic arterial injection, *Radiology* 1987; 162: 849
- Miller DL; Reing JW; Volkman DJ:** vascular imaging with MRI: inadequacy in Takayasu's arteritis compared with angiography, *AJR* 1986; 146: 949
- Miller DL; Simmons JT; Chang R; Ward BA; Shawker TH; Doppman JL; Chang AE:** hepatic metastasis detection: comparison of three CT contrast enhancement methods, *Radiology* 1987; 165: 785
- Miller DL; Wall RT:** fentanyl and diazepam for analgesia and sedation during radiologic special procedures, *Radiology* 1987; 162: 195
- Miller DL; Wall RT:** use of fentanyl and diazepam for special procedures: reply, *Radiology* 1988; 166: 581
- Miller DR See Levy M**
- Miller DW See Slater JM**
- Miller EI See Chinn DH**
- Miller EI See Cole-Beuglet CM**
- Miller EI See Worthy L**
- Miller FJ See Hayes JK Jr**
- Miller FJ See Paulson EK**
- Miller FJ See Soper NJ**
- Miller GG; Dawson DT; Battista JJ:** computed tomographic assessment of radiation induced damage in the lung of normal and WR 2721 protected LaF₁ mice, *Int J Radiat Oncol Biol Phys* 1986; 12: 1971
- Miller GM; Baker HL Jr; Okazaki H; Whisnant JP:** central pontine myelinolysis and its imitators: MR findings, *Radiology* 1988; 168: 795
- Miller GW See Ball JB Jr**
- Miller HAB See Berthoty DP**
- Miller I See Pastakia B**
- Miller J See Faulkner K**
- Miller J See Martin DC**
- Miller JDR; Caputens BM; Lampard R:** changes at the base of skull and cervical spine in Down syndrome, *J Canad Assoc Radiol* 1986; 37: 85
- Miller JDR; Grace MGA; Lampard R:** computed tomography of the upper cervical spine in Down syndrome, *JCAT* 1986; 10: 589
- Miller JDR; Starr L:** information explosion in radiology, *J Canad Assoc Radiol* 1988; 39: 33
- Miller JF See Hoadley SD**
- Miller JH See Baker DH**
- Miller JH See Donaldson JS**
- Miller JH See Kumura D**
- Miller JH See Wells RG**
- Miller JH See Williams HT**
- Miller JH:** technetium-99m-labeled red blood cells in the evaluation of hemangiomas of the liver in infants and children, *J Nucl Med* 1987; 28: 1412
- Miller JH; Greenspan RS:** integrated imaging of hepatic tumors in childhood: reply, *Radiology* 1986; 158: 278
- Miller JH; Kemberling CR:** ultrasound of the pediatric gastrointestinal tract, *Semin US CT MR* 1987; 8: 349
- Miller JH; Marcus CS:** metastatic papillary thyroid carcinoma with normal serum thyroglobulin level, *Clin Nucl Med* 1988; 13: 652
- Miller JL See Schorr AB**
- Miller JM Jr; Kiasling GA; Brown HL; et al:** estimated fetal weight: applicability to small- and large-for-gestational-age fetus, *JCU* 1988; 16: 95
- Miller JM Jr; Korndorffer FA III; Gabert HA:** fetal weight estimates in late pregnancy with emphasis on macrosomia, *JCU* 1986; 14: 437
- Miller JW See Mirvis SE**
- Miller K:** frequency and efficacy of pelvimetry: Saskatoon experience, *J Canad Assoc Radiol* 1986; 37: 273
- Miller KS See Fish GD**
- Miller KS; Tomlinson JR; Sahn SA:** pleuropulmonary complications of enteral tube feedings: two reports, review of literature, and recommendations, (ab), *Radiology* 1986; 158: 565
- Miller LA See Stapleton FB**
- Miller LR See Soffer O**
- Miller M; Stringer DA; Chui-Mei T; et al:** lymphoid follicular pattern in the colon: an indicator of barium coating, *J Canad Assoc Radiol* 1987; 38: 256
- Miller MB; Caride VJ:** ventilation-perfusion scan in the acutely ill patient with unilateral hyperlucent lung, *J Nucl Med* 1988; 29: 114
- Miller MH See Tocchio IM**
- Miller MH; Tucker WS; Bilbao JM:** supratentorial hemangioblastoma associated with Von Hippel Lindau disease: case report and review of the literature, *J Canad Assoc Radiol* 1986; 37: 35
- Miller MK See Taylor GA**
- Miller MP See Cole FH Jr**
- Miller MP; Stanley TV:** results of a mass screening program for colorectal cancer, (ab), *Radiology* 1988; 167: 882
- Miller MT See Mafee MF**
- Miller MT; Mafee MF:** computed tomography scanning in the evaluation of ocular motility disorders, *Radiol Clin North Am* 1987; 25: 733
- Miller MW See Barnett SB**
- Miller MW:** influence of *in vitro* experimental design, *Ultrasound Med Biol* 1986; 12: 682
- Miller NR See Roberts JL**
- Miller PL See Swett HA**
- Miller PR See Borrero GO**
- Miller RC; Kopecky KJ; Hiraoka T; et al:** comparison of radiosensitivities of human autologous normal and neoplastic thyroid epithelial cells, *Br J Radiol* 1986; 59: 127
- Miller RE See Rex DK**
- Miller RE; Kummer BA; Kotler DP; et al:** percutaneous endoscopic gastrostomy: procedure of choice, (ab), *Radiology* 1987; 164: 291
- Miller RH See Fleckenstein JL**
- Miller RH See Rollins NK**
- Miller RH III See Fried R**
- Miller RH III See Preminger GM**
- Miller RI See Smith R**
- Miller RP See Stavas JM**
- Miller RR See Ajzen SA**
- Miller RR See Müller NL**
- Miller RR See Munk PL**
- Miller RR See Scott IR**
- Miller RR See Staples CA**
- Miller RR; Nelems B; Müller NL; et al:** lingular and right middle lobe biopsy in the assessment of diffuse lung disease, (ab), *Radiology* 1988; 167: 587
- Miller RW See Fraass BA**
- Miller RW; DeGraff W; Kinsella TJ; et al:** evaluation of incorporated iododeoxyuridine cellular radiosensitization by photon activation therapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1193
- Miller S See Rao S**
- Miller SA See Brennan RP**
- Miller SH See Eklund GW**
- Miller SJ See duCret RP**
- Miller SW See Dinsmore RE**
- Miller SW See Greene R**
- Miller SW See Straatemeier EJ**
- Miller SW; Palmer EL; Dinsmore RE; et al:** gallium-67 and magnetic resonance imaging in aortic root abscess, *J Nucl Med* 1987; 28: 1616
- Miller TL:** basic principles of nuclear magnetic resonance imaging, *Radiology* 1987; 162: 78

- Miller TL: diagnostic imaging: an algorithmic approach. 2d ed. Radiology 1988; 168: 624
- Miller TL; Skucas J; Gudex D; et al: bowel cancer characteristics in patients with regional enteritis. *Gastrointest Radiol* 1987; 12: 45
- Miller TR See Siegel BA
- Miller TR; Fountas A; Biello DR; et al: detection of coronary artery disease by analysis of ventricular filling. *J Nucl Med* 1987; 28: 837
- Miller TR; Starren JB; Grothe RA Jr: three-dimensional display of positron emission tomography of the heart. *J Nucl Med* 1988; 29: 530
- Miller WC; Heard JG; Suich DM; et al: intravenous radionuclide method for repeated shunt determinations. *Clin Nucl Med* 1987; 12: 368
- Miller WC; Heard JG; Unger KM; et al: anatomical lung shunting in pulmonary fibrosis. (ab). *Radiology* 1986; 161: 283
- Miller WE See Zerhouni EA
- Miller WT See Aronchick JM
- Miller WT See Conant EF
- Miller WT See Corboy JR
- Miller WT See Epstein DM
- Miller WT See Glickstein MF
- Miller WT See Greene R
- Miller WT See Kundel HL
- Miller WT See Marinelli DL
- Miller WT: inadvertent tracheobronchial placement of feeding tubes. *Radiology* 1988; 167: 875
- Miller-Breslow A; Dorfman HD: Dupuytren's (subungual) exostosis. (ab). *Radiology* 1988; 168: 887
- Miller-Wilson P See Solin LJ
- Milligan AJ See Ries MC
- Milligan SA; Stulberg MS; Gamsu G; et al: pneumocystis carinii pneumonia radiographically simulating tuberculosis. (ab). *Radiology* 1986; 159: 570
- Milliken MC See Katz J
- Million RR See Ellis ER
- Million RR See Mendenhall WM
- Million RR See Parsons JT
- Millis MB See Murphy SB
- Millman AL; Liebeskind A; Putterman AM: dacryocystography: the technique and its role in the practice of ophthalmology. *Radiol Clin North Am* 1987; 25: 781
- Millmond SH See Maurer AH
- Millner MR See Grantham JR
- Mills BG; Masouka LS; Graham CC Jr; et al: gallium-67 citrate localization in osteoclast nuclei of Paget's disease of bone. *J Nucl Med* 1988; 29: 1083
- Mills CM See Holland RA
- Mills CM See Olsen WL
- Mills CS; Van Aman ME: modified technique for percutaneous transforaminal pulmonary angiography. *Cardiovasc Intervent Radiol* 1986; 9: 52
- Mills GI See Hedlund LW
- Mills J See Taylor DN
- Mills JOM See Bell KE
- Mills MD; Fuller LM; Zagars GK; et al: spinal cord dose reduction using an anterior 13 MeV electron field situated between a split anterior ⁶⁰Co supraclavicular field. *Int J Radiat Oncol Biol Phys* 1987; 13: 1571
- Mills P; Chew W; Lih L; et al: localized imaging using stimulated echoes. *Magn Res Med* 1987; 5: 384
- Mills PA See Chew WM
- Mills RF See Stimac GK
- Mills SE See de Lange EE
- Mills SR See Moore AV Jr
- Mills TC See Winkler ML
- Mills TC; Ortendahl DA; Hylton NM; Crooks LE; Carlson JW; Kaufman L: partial flip angle MR imaging. *Radiology* 1987; 162: 531
- Millward S: single- versus double-contrast barium studies in elderly patients. *Radiology* 1988; 166: 578
- Millward S; Escott N; Masood K: diagnosis of a pleural lipoma by CT and fine-needle biopsy to avoid thoracotomy. *J Canad Assoc Radiol* 1988; 9: 57
- Millward S; Wedding K; Frankow-Reid E: blood clot formation in angiographic syringes containing nonionic contrast media. *Radiology* 1987; 164: 879
- Millward SF See Fitzsimons PJ
- Millward SF See Ramsdew W
- Millward SF; Ramsdew W; Fitzsimons PJ; et al: percutaneous drainage of iliopsoas abscess in Crohn's disease. *Gastrointest Radiol* 1986; 11: 289
- Milne ENC See Finck S
- Milne ENC See Pugh F
- Milne ENC: concerning traumatic aortic tears. *J Thorac Imag* 1987; 2: 75
- Milne ENC; Burnett K; Aufrecht D; et al: assessment of cardiac size on portable chest films. *J Thorac Imag* 1988; 3-2: 64
- Milne ENC; Cyrlak D: interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture. *Radiology* 1987; 164: 286
- Milne ENC; Zerhouni EA: blood supply of pulmonary metastases. *J Thorac Imag* 1987; 2: 15
- Milne N See Lyons KP
- Milne N See Wu S-y
- Miller GR; Levick RK; Kay R: assessment of bone age: comparison of the Greulich and Pyle, and the Tanner and Whitehouse methods. *Clin Radiol* 1986; 37: 119
- Milos MJ See Aberle DR
- Milstein JM See Geyer JR
- Milton W See Taylor A Jr
- Milton WJ; Datz FL: thrombophlebitis: potential cause for diffuse lower extremity uptake on bone imaging. *Clin Nucl Med* 1986; 11: 26
- Miltz-Miller S See Sirr SA
- Mimouni M See Lerman-Sagie T
- Minagi H See Federle MP
- Minagi H See Goodman PC
- Minagi H See Sweeney JP
- Minami M See Kokubo T
- Minami S See Fujisawa I
- Minami S See Itoh K
- Minami S See Noma S
- Minami S See Togashi K
- Minami S; Sagoh T; Nishimura K; Yamashita K; Fujisawa I; Noma S; Itoh K; Togashi K; Oda Y; Matsumoto M; Yamagata S; Kikuchi H; Nakano Y; Kenichi J: spinal arteriovenous malformation: MR imaging. *Radiology* 1988; 169: 109
- Minar E See Koppensteiner R
- Minasian H See Mourad K
- Minasian H See Sambrook M
- Minchinton AI See McNally NJ
- Minchinton AL; Stratford MRL: comparison of tumor and normal tissue levels of acidic, basic and neutral 2-nitroimidazole radiosensitizers in mice. *Int J Radiat Oncol Biol Phys* 1986; 12: 1117
- Mincey JE See Wagle WA
- Mindell HJ See Cochran ST
- Mindell HJ; Gibson TC: ECG abnormalities during excretory urography: the effect of stress. *AJR* 1988; 150: 1327
- Mindelzun RE See Van Bockel SR
- Mindelzun RE; Hicks SM: adult Hirschsprung disease: radiographic findings. *Radiology* 1986; 160: 623
- Mindelzun RE; McCort JJ: cupola sign of pneumoperitoneum in the supine patient. *Gastrointest Radiol* 1986; 11: 283
- Minematsu S See Imamura M
- Miner DG See Newman GE
- Miner DG; Cohen RH; Davis WK; et al: CT-guided percutaneous aspiration of septic thrombosis of the inferior vena cava. *AJR* 1987; 148: 1213
- Miner M See Kulkarni MV
- Mineura K; Goto T; Yoneya M; et al: case report: pituitary enlargement associated with Addison's disease. *Clin Radiol* 1987; 38: 435
- Minh VT See Pouillaud JM
- Miniati A; McLaren AC; Haddad RG: longitudinal stress fracture of the tibia: case report. *J Canad Assoc Radiol* 1988; 39: 221
- Miniati M See Giuntini C
- Miniati M; Pistoletti M; Paoletti P; et al: objective radiographic criteria to differentiate cardiac, renal, and injury lung edema. *Invest Radiol* 1988; 23: 433
- Mink JH See Cruess JV III
- Mink JH See Jacob JR
- Mink JH See Pressman BD
- Mink JH See Shellock FG
- Mink JH See Stoller DW
- Mink JH: percutaneous bone biopsy in the patient with known or suspected osseous metastases. *Radiology* 1986; 161: 191
- Mink JH; Levy T; Cruess JV III: tears of the anterior cruciate ligament and menisci of the knee: MR imaging evaluation. *Radiology* 1988; 167: 769
- Mink JH; Weitz J; Kagan AR; et al: bone scan-positive and radiograph- and CT-negative vertebral lesion in a woman with locally advanced breast cancer. *AJR* 1987; 148: 341
- Minken TJ; Ahlgren P: cross-table cervical myelography: a technique to improve visualization. *AJNR* 1988; 9: 874
- Minkinen J See Salminen E
- Minkoff H See Schaffer RM
- Minkoff J See Rafii M
- Minn H; Paul R; Ahonen A: evaluation of treatment response to radiotherapy in head and neck cancer with fluorine-18 fluorodeoxyglucose. *J Nucl Med* 1988; 29: 1521
- Minnaar PC See Geldenhuys EM
- Minnar PC See van Aswegen A
- Minton M See Rustin GJS
- Minton MA See Schuster DP
- Minton MJ; McIvor J; Cappaccio FF; et al: case report: renovascular hypertension following radiotherapy and chemotherapy treated by transluminal angioplasty. *Clin Radiol* 1986; 37: 399
- Mintun MA See Schuster DP
- Mintun MA; Dennis DR; Welch MJ; et al: measurements of pulmonary vascular permeability with PET and gallium-68 transferrin. *J Nucl Med* 1987; 28: 1704
- Mintun MA; Welch MJ; Siegel BA; Mathias CJ; Brodack JW; McGuire AH; Katzenellenbogen JA: breast cancer: PET imaging of estrogen receptors. *Radiology* 1988; 169: 45
- Mintz G See Steiner RM
- Mintz GS See Panidis IP
- Mintz MC See Allen KS
- Mintz MC See Arger FH
- Mintz MC See Coleman BG
- Mintz MC See Coscina WF
- Mintz MC See Ebner F
- Mintz MC See Gabbe SG
- Mintz MC See Grumbach K
- Mintz MC See Isaacson G
- Mintz MC See Khouri MR
- Mintz MC See Lev-Toaff AS
- Mintz MC See Levy DW
- Mintz MC See Marinelli DL
- Mintz MC See Mitchell DG
- Mintz MC See Rubin JI
- Mintz MC See Simpson EL
- Mintz MC; Dalinka MK; Schmidt R: aneurysmal bone cyst arising in fibrous dysplasia during pregnancy. *Radiology* 1987; 165: 549
- Mintz MC; Grossman RI; Isaacson G; et al: MR imaging of fetal brain. *JCAT* 1987; 11: 120
- Mintz MC; Grumbach K: imaging of congenital uterine anomalies. *Semin US CT MR* 1988; 9: 167
- Mintz MC; Kurtz AB; Arenson K; et al: abruptio placentae: apparent thickening of the placenta caused by hypercholesterolemia. *Ultrasound Med* 1986; 5: 411
- Mintz MC; Levy DW; Axel L; et al: puerperal ovarian vein thrombosis: MR diagnosis. *AJR* 1987; 149: 1273
- Mintz MC; Thickman DJ; Gussman D; et al: MR evaluation of uterine anomalies. *AJR* 1987; 148: 287
- Minak CF: guide to the ultrasound examination of the abdomen. *Radiology* 1987; 164: 14
- Minak T See Baines CJ
- Mir S See Bechtel W
- Mira JG; Chen TT; Livingston RB; et al: outcome of prophylactic and therapeutic cranial irradiation in disseminated small cell lung carcinoma: a Southwest Oncology Group study. *Int J Radiat Oncol Biol Phys* 1988; 14: 661
- Mira JG; Taylor SI; Stephens RL; et al: simultaneous chemotherapy-radiotherapy with prophylactic cranial irradiation for inoperable adeno and large cell lung carcinoma: a Southwest Oncology Group study. *Int J Radiat Oncol Biol Phys* 1988; 15: 757
- Miraldi F See Goldberg REA
- Miraldi F: potential of NMR and PET for determining tumor metabolism. *Int J Radiat Oncol Biol Phys* 1986; 12: 1033
- Miraldi FD; Nelson AD; Kraly C; Ellery S; Landmeier R; Coccia PF; Strandjord SE; Cheng N-KV: diagnostic imaging of human neuroblastoma with radiolabeled antibody. *Radiology* 1986; 161: 413
- Mircea PA; Cucu A; Vlaicu R: "contained" rupture of a liver hydatid cyst: sonographic diagnosis and long-term postoperative follow-up. *J Ultrasound Med* 1987; 6: 339
- Mircheva J See Smith PJ
- Mirfakhraee M See Gerlock AJ Jr
- Mirfakhraee M See Ghyani VL
- Mirfakhraee M See McArdle CB
- Mirfakhraee M; Crofford MJ; Quinto FC Jr; Nauta HJW; Weedon VW: Virchow-Robin space: path of spread in neurosarcoidosis. *Radiology* 1986; 158: 715
- Mirich D; Raval R: computed tomography demonstration of traumatic subdural hemorrhage. *CT* 1986; 10: 71
- Mirich DR; McArdle CB; Kulkarni MV: benign pleomorphic adenomas of the salivary glands: surface coil MR imaging versus CT. *JCAT* 1987; 11: 620
- Mirmanoff RO; Choi NC: risk of intradural spinal metastases in patients with brain metastases from bronchogenic carcinomas. *Int J Radiat Oncol Biol Phys* 1986; 12: 2131
- Mirk P See Maresca G
- Mirk P See Solbiati L
- Mirk P; Calisti A; Fileni A: prenatal sonographic diagnosis of bladder extrophy. *J Ultrasound Med* 1986; 5: 291
- Miron D; Garty I; Tal I; et al: sacroiliitis as a sole manifestation of brucella melitensis infection in a child. *Clin Nucl Med* 1987; 12: 466

Mirowitz

- Mirowitz S; Heiken JP; Lee JKT:** potential MR pitfall in relying on lesion/liver intensity ratio in presence of hepatic hemochromatosis, *JCAT* 1988; 12: 323
- Mirra JM See Gold RH**
- Mirra JM See Tang JS**
- Mirra JM; Kameda N:** case report 366, *Skeletal Radiol* 1986; 15: 323
- Mirra JM; Kameda N; Rosen G; et al:** primary osteosarcoma of toe phalanx: first documented case: review of osteosarcoma of short tubular bones, (ab), *Radiology* 1988; 168: 590
- Mirvis SE See Joslyn JN**
- Mirvis SE See Pais SO**
- Mirvis SE See Pappas D**
- Mirvis SE See Templeton PA**
- Mirvis SE; Bidwell JK; Buddemeyer EU; et al:** imaging diagnosis of traumatic aortic rupture: review and experience at a major trauma center, *Invest Radiol* 1987; 22: 187
- Mirvis SE; Bidwell JK; Buddemeyer EU; Diaconis JN; Pais SO; Whitley JE; Goldstein LD:** value of chest radiography in excluding traumatic aortic rupture, *Radiology* 1987; 163: 487
- Mirvis SE; Borg U; Belzberg H:** MR imaging of ventilator-dependent patients: preliminary experience, *AJR* 1987; 149: 845
- Mirvis SE; Fritz SL; Siegel JH; et al:** radiographic system for use in emergency and intensive care units, *AJR* 1988; 150: 691
- Mirvis SE; Geisler FH; Jelinek JJ; Joslyn JN; Gellad F:** acute cervical spine trauma: evaluation with 1.5-T MR imaging, *Radiology* 1988; 166: 807
- Mirvis SE; Indek M; Schorr RM; Diaconis JN:** posttraumatic tension pneumopericardium: "small heart" sign, *Radiology* 1986; 158: 663
- Mirvis SE; Keramati B; Buckman R; et al:** MR imaging of traumatic diaphragmatic rupture, *JCAT* 1988; 12: 147
- Mirvis SE; Kostrubak I; Whitley NO; et al:** role of CT in excluding major arterial injury after blunt thoracic trauma, *AJR* 1987; 149: 601
- Mirvis SE; Pais SO; Gens DR:** thoracic aortic rupture: advantages of intraarterial digital subtraction angiography, *AJR* 1986; 146: 987
- Mirvis SE; Tobin KD; Kostrubak I; et al:** thoracic CT in detecting occult disease in critically ill patients, *AJR* 1987; 148: 685
- Mirvis SE; Vainright JR; Nelson AW; et al:** diagnosis of acute calculous cholecystitis: comparison of sonography, scintigraphy, and CT, *AJR* 1986; 147: 1171
- Mirvis SE; Whitley NO; Ainsner J; et al:** abdominal CT in the staging of small-cell carcinoma of the lung: incidence of metastases and effect on prognosis, *AJR* 1987; 148: 845
- Mirvis SE; Whitley NO; Miller JW:** CT diagnosis of calculous cholecystitis, *JCAT* 1987; 11: 83
- Mirvis SE; Young JWR; Keramati B; et al:** plain film evaluation of patients with abdominal pain: are three radiographs necessary?, *AJR* 1986; 147: 501
- Mirvis SE; Young JWR; Lim C; Greenberg J:** hangman's fracture: radiologic assessment in 27 cases, *Radiology* 1987; 163: 713
- Misaki T See Iida Y**
- Misawa T See Nishimura T**
- Miser JS See Lanza LA**
- Mishkin FS See Patel R**
- Mishkin FS See Reitz MD**
- Mishkin FS See Richardson-Carty C**
- Mishkin J; Makler PT Jr; Velchik MG:** bone imaging appearance of Pelligrini Stieda syndrome, *Clin Nucl Med* 1986; 11: 291
- Mishkin J; Makler PT Jr; Velchik MG; et al:** technetium-99m DISIDA imaging in autosomal-dominant polycystic kidney, *Clin Nucl Med* 1986; 11: 368
- Mishkin JD See Burke DR**
- Mishkin JD; Meranze SG; Burke DR; et al:** interventional radiologic treatment of complications following gastric bypass surgery for morbid obesity, *Gastrointest Radiol* 1988; 13: 9
- Mishkin S See Lisbona R**
- Mishriki Y See Lundy J**
- Miskin F See Hughes HE**
- Miskowski J See Vyberg M**
- Misner R See Legendre JP**
- Misra LK See Narayana PA**
- Misra S; Goullamos A; Kourias E; et al:** primary hydatid disease of the pancreas, *Gastrointest Radiol* 1987; 12: 37
- Mistretta CA See Hasegawa BH**
- Mistry CD See Patel B**
- Mistry R See Clarke SEM**
- Mizalok V; Fritsch T; Scharl M:** myocardial perfusion defects in contrast echocardiography: spatial and temporal localisation, *Ultrasound Med Biol* 1986; 12: 581
- Mitchell B See Swayne LC**
- Mitchell C See Jeavons SJ**
- Mitchell CD; Gordon I; Chessells JM:** clinical, haematological, and radiological features in T-cell lymphoblastic malignancy in childhood, *Clin Radiol* 1986; 37: 257
- Mitchell CR See Sorenson JA**
- Mitchell D See Spritzer CE**
- Mitchell DG See Bezzi M**
- Mitchell DG See Brick SH**
- Mitchell DG See Dica BW**
- Mitchell DG See Pennell RG**
- Mitchell DG See Rao VM**
- Mitchell DG See Teitelbaum GP**
- Mitchell DG:** magnetic resonance imaging of the adnexa, *Semin US CT MR* 1988; 9: 143
- Mitchell DG; Burk DL Jr; Vinitaki S; et al:** biophysical basis of tissue contrast in extracranial MR imaging, *AJR* 1987; 149: 831
- Mitchell DG; Geffer WB; Spritzer CE; Bianco L; Nelson J; Livolsi V; Axel L; Arger PH; Kressel HY:** polycystic ovaries: MR imaging, *Radiology* 1986; 160: 425
- Mitchell DG; Hill MC; Cooper R; et al:** superior mesenteric artery fat plane: is obliteration pathognomonic of pancreatic carcinoma?, *CT* 1987; 11: 247
- Mitchell DG; Hill MC; Hill SC; Zaloudek C:** serous carcinoma of the ovary: CT identification of metastatic calcified implants, *Radiology* 1986; 158: 649
- Mitchell DG; Joseph FM; Fallon M; et al:** chemical-shift MR imaging of the femoral head: an in vitro study of normal hips and hips with avascular necrosis, *AJR* 1987; 148: 1159
- Mitchell DG; Kressel HY:** MR imaging of early avascular necrosis, *Radiology* 1988; 169: 281
- Mitchell DG; Kressel HY; Arger PH; Dalinka MK; Spritzer CE; Steinberg ME:** avascular necrosis of the femoral head: morphologic assessment by MR imaging, with CT correlation, *Radiology* 1986; 161: 739
- Mitchell DG; Merton D; Desai H; Needleman L; Kurtz AB; Goldberg BB; Graziani L; Wolfson P:** neonatal brain: color Doppler imaging, part II, altered flow patterns from extracorporeal membrane oxygenation, *Radiology* 1988; 167: 307
- Mitchell DG; Merton D; Needleman L; Kurtz AB; Goldberg BB; Levy DW; Rifkin MD; Pennell RG; Vilario M; Baltarowich O; Dahner W; Graziani L; Desai H:** neonatal brain: color Doppler imaging, part I, technique and vascular anatomy, *Radiology* 1988; 167: 303
- Mitchell DG; Mintz MC; Spritzer CE; Gussman D; Arger PH; Coleman BG; Axel L; Kressel HY:** adnexal masses: MR imaging observations at 1.5 T, with US and CT correlation, *Radiology* 1987; 162: 319
- Mitchell DG; Needleman L; Bezzi M; Goldberg BB; Kurtz AB; Pennell RG; Rifkin MD; Vilario M; Baltarowich OH:** femoral artery pseudoaneurysm: diagnosis with conventional duplex and color Doppler US, *Radiology* 1987; 165: 687
- Mitchell DG; Needleman L; Frauenhoffer S; et al:** gas-containing gallstones: the sonographic "double echo sign", *J Ultrasound Med* 1988; 7: 39
- Mitchell DG; Rao VM; Dalinka MK; et al:** MRI of joint fluid in the normal and ischemic hip, *AJR* 1986; 146: 1215
- Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Alavi A; Steinberg ME; Fallon M; Kressel HY:** femoral head avascular necrosis: correlation of MR imaging, radiographic staging, radionuclide imaging, and clinical findings, *Radiology* 1987; 162: 709
- Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Axel L; Geffer WB; Krican ME; Steinberg ME; Kressel HY:** hematopoietic and fatty bone marrow distribution in the normal and ischemic hip: new observations with 1.5-T MR imaging, *Radiology* 1986; 161: 199
- Mitchell DG; Roza AM; Spritzer CE; et al:** acute renal allograft rejection: difficulty in diagnosis of histologically mild cases by MR imaging, *JCAT* 1987; 11: 655
- Mitchell DG; Tobin M; LeVeen R; et al:** induced renal artery stenosis in rabbits: magnetic resonance imaging, angiography, and radionuclide determination of blood volume and blood flow, *Magn Res Med* 1988; 6: 113
- Mitchell DG; Vinitaki S; Burk DL Jr; et al:** multiple spin-echo MR imaging of the body: image contrast and motion-induced artifact, *Magn Res Med* 1988; 6: 535
- Mitchell DG; Vinitaki S; Burk DL Jr; Levy DW; Rifkin MD:** motion artifact reduction in MR imaging of the abdomen: gradient moment nulling versus respiratory-sorted phase encoding, *Radiology* 1988; 169: 155
- Mitchell DM See Wolfe BK**
- Mitchell DM; Shah SH; Edwards D; et al:** incidence of pulmonary nodules detected by computed tomography in patients with bronchial carcinoma, *Clin Radiol* 1986; 37: 151
- Mitchell DS; Stacey TM; Grossow JE; et al:** scintigraphic detection of an occult abdominal bleed in a child, *Clin Nucl Med* 1988; 13: 546
- Mitchell IM; Saunders NR; Maher O; et al:** surgical treatment of idiopathic mediastinal fibrosis: report of five cases, (ab), *Radiology* 1986; 161: 283
- Mitchell JB See Kinsella TJ**
- Mitchell JB See Phillips TL**
- Mitchell JB; Phillips TL; DeGraff W; et al:** relationship of SR-2508 sensitizer enhancement ratio to cellular glutathione levels in human tumor cell lines, *Int J Radiat Oncol Biol Phys* 1986; 12: 1143
- Mitchell JB; Russo A; Kinsella TJ; et al:** use of non-hypoxic cell sensitizers in radiobiology and radiotherapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 1513
- Mitchell JH See Katz J**
- Mitchell JM See Mok PM**
- Mitchell L; Jenkins JPR; Brownlee WC; et al:** case report: aortic dissection: morphology and differential flow velocity patterns demonstrated by magnetic resonance imaging, *Clin Radiol* 1988; 39: 458
- Mitchell MD; Kundel HL; Axel L; et al:** agarose as a tissue equivalent phantom material for NMR imaging, *Magn Res Imag* 1986; 4: 263
- Mitchell MD; Kundel HL; Steinberg ME; et al:** avascular necrosis of the hip: comparison of MR, CT, and scintigraphy, *AJR* 1986; 147: 67
- Mitchell MJ; Causey G; Berthoty DP; Sartoris DR; Resnick D:** peribursal fat plane of the shoulder: anatomic study and clinical experience, *Radiology* 1988; 168: 699
- Mitchell ML; Ackerman LV:** case report 405, *Skeletal Radiol* 1987; 16: 61
- Mitchell ML; Ackerman LV:** metastatic and pseudomalignant osteoblastoma: report of two unusual cases, *Skeletal Radiol* 1986; 15: 213
- Mitchell ML; Ackerman LV; Tsutsumi A:** case report 438, *Skeletal Radiol* 1987; 16: 498
- Mitchell MR See Eisenberg AD**
- Mitchell MR; Tarr RW; Conturo TE; Partain CL; James AE Jr:** spin echo technique selection: basic principles for choosing MRI pulse sequence timing intervals, *Radiographics* 1986; 6: 245
- Mitchell RA See Constant O**
- Mitchell RL See Thompson WM**
- Mitchell S See Chang R**
- Mitchell SE See Fakhri A**
- Mitchell SE See Halden WJ Jr**
- Mitchell SE See Kinnison ML**
- Mitchell SE See Murray RR Jr**
- Mitchell SE See Scott WW Jr**
- Mitchell SE See Shuman L**
- Mitchell SE See White RI Jr**
- Mitchell SE See Widlus DM**
- Mitchum D See Swartz DA**
- Mito T See Inagaki M**
- Mitomo M See Kadota T**
- Mitsutani N See Kashiwagi T**
- Mittal BB See Bobba VS**
- Mittal BB See Deutsch M**
- Mittal BB See Sider L**
- Mittal BB; Deutsch M; Kennerdell JJ; Johnson B:** paracardiac lymphoid tumors, *Radiology* 1986; 159: 793
- Mittal BB; Spies WG; Markwell R; et al:** new radioisotope technique of splenic localization for radiation treatment, *Int J Radiat Oncol Biol Phys* 1988; 15: 221
- Mittelstaedt CA See Vincent LM**
- Mittermayer C See Kovalikova Z**
- Mitty HA See Dan SJ**
- Mitty HA See Gould J**
- Mitty HA See Gould JD**
- Mitty HA See Rackson ME**
- Mitty HA See Ruchman RB**
- Mitty HA See Train JS**
- Mitty HA; Dan SJ; Train JS:** antegrade ureteral stents: technical and catheter-related problems with polyethylene and polyurethane, *Radiology* 1987; 165: 439
- Mitty HA; Droller MJ; Dikman SH:** ureteral and renal pelvic metastases from renal cell carcinoma, *Urol Radiol* 1987; 9: 16
- Mitty HA; Rackson ME; Dan SJ; Train JS:** experience with a new ureteral stent made of a biocompatible copolymer, *Radiology* 1988; 168: 557
- Mitty HA; Train JS; Dan SJ:** placement of ureteral stents by antegrade and retrograde techniques, *Radiol Clin North Am* 1986; 24: 587
- Miura K See Moriyasu F**
- Miura K See Nakao N**
- Miura K See Suesada Y**
- Miura K See Yamakita N**

- Miura M; Matsukado Y; Kodama T; et al: clinical and histopathological characteristics of gonadotropin-producing pituitary adenomas, (ab), *Radiology* 1986; 158: 286
- Miura S; Kurokawa H
- Miura S; Yamamoto S
- Miura S; Kanno I; Iida H; et al: anatomical adjustments in brain positron emission tomography using CT images, *JCAT* 1988; 12: 363
- Miura T; Hishikawa Y
- Miura T; See Nakao N
- Miyagi S; See Arakawa A
- Miyaiishi K; See Takahashi I
- Miyake H; Maeda H; Isomoto I; et al: computed tomography in amyloid goiter, *JCAT* 1988; 12: 621
- Miyake H; Takeda H; Mori H; et al: CT findings in lipomatosis of the gallbladder, *JCAT* 1987; 11: 165
- Miyake T; See Moriyo Y
- Miyake T; Kawamori J; Yoshida T; et al: small bowel pseudo-obstruction in Kawasaki disease, *Pediatr Radiol* 1987; 17: 383
- Miyama T; See Muramatsu T
- Miyamoto Y; Tsujimoto F; Tada S: ultrasonographic diagnosis of submucosal tumors of the stomach: the "bridging layers" sign, *JCU* 1988; 14: 251
- Miyamura M; See Kudo M
- Miyasaka K; See Ito T
- Miyasaka K; See Warabi T
- Miyata M; See Nakao K
- Miyatake K; Yamagishi M; Izumi S; et al: Doppler echocardiographic approach to the blood flow of the left anterior descending coronary artery, *JCU* 1988; 14: 471
- Miyawaki M; See Takahashi M
- Miyazaki K; Uchiyama A; Nakayama F: use of ultrasonographic risk score in the timing of operative intervention for acute cholecystitis, (ab), *Radiology* 1988; 169: 286
- Miyazaki T; See Manabe A
- Miyazaki T; See Nakada T
- Mizumoto CT; See Gore JC
- Mizushima A; See Numaguchi Y
- Mizushima A; See Varma DGK
- Mizoch AG; See Bushnell DL
- Mnaymneh W; See Ihmeidan IH
- Mo LYL; Rasmussen PJ; Ritchie K; et al: transmission line modelling approach to the interpretation of uterine Doppler waveforms, *Ultrasound Med Biol* 1988; 14: 365
- Mo LYL; Yun LCM; Cobbold RSC: comparison of four digital maximum frequency estimators for Doppler ultrasound, *Ultrasound Med Biol* 1988; 14: 355
- Moawad AH; See Greenberg M
- Mock BH; See Cory DA
- Mock BH; English D: leukocyte labeling with technetium-99m tin colloids, *J Nucl Med* 1987; 28: 1471
- Mock BH; Schaeffer DS; English D; et al: in vivo kinetics of canine leukocytes labeled with technetium-99m HM-PAO and indium-111 tropolone, *J Nucl Med* 1988; 29: 1246
- Mock BM; See Burt RW
- Mock T; See Dunn V
- Mockapetris A; See Skarzynski JJ
- Mockbee B; See Fajardo LL
- Mockbee BW; See Oestmann JW
- Mocktar N; See Awwad HK
- Modanlou HD; See Jacinto JS
- Modder U; See Steinbrich W
- Modder U; Lenz M; Steinbrich W: MRI of facial skeleton and parapharyngeal space, *Eur J Radiol* 1987; 7: 6
- Modic MT; See Bundschuh CV
- Modic MT; See Huefle MG
- Modic MT; See Kieffer SA
- Modic MT; See Lesser RP
- Modic MT; See Masaryk TJ
- Modic MT; See Ross JS
- Modic MT; See Tyrrell RL
- Modic MT; See Tyrrell RL II
- Modic MT; See Yulish BS
- Modic MT; Masaryk TJ; Mulopulos GP; Bundschuh CV; Han JS; Bohlman H: cervical radiculopathy: prospective evaluation with surface coil MR imaging, CT with metrizamide, and metrizamide myelography, *Radiology* 1986; 161: 753
- Modic MT; Masaryk TJ; Paushter DM: magnetic resonance imaging of the spine, *Radiol Clin North Am* 1986; 24: 229
- Modic MT; Masaryk TJ; Ross JS; Carter JR: imaging of degenerative disk disease, *Radiology* 1988; 168: 177
- Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Bohlman H: cervical radiculopathy: value of oblique MR imaging, *Radiology* 1987; 163: 227
- Modic MT; Pflanz W; Feiglin DH; et al: magnetic resonance imaging of musculoskeletal infections, *Radiol Clin North Am* 1986; 24: 247
- Modic MT; Steinberg PM; Ross JS; Masaryk TJ; Carter JR: degenerative disk disease: assessment of changes in vertebral body marrow with MR imaging, *Radiology* 1988; 166: 193
- Modin GW; See White RD
- Moe PJ; See Anda S
- Moel DI; See Vogelzang RL
- Moeller D; See Bedi DG
- Moeller JM; See Sapozink MD
- Moens E; See Appel B
- Moerland MA; See Sijens PE
- Moerman FL; See Marchal GJF
- Moes CAF; See Chan HSL
- Moes CAF; See Freedom RM
- Moeschler JB; See Willard DA
- Moesser P; Perlmutt LM; Moore J; et al: primary intrasortic malignancy—case report, *Cardiovasc Intervent Radiol* 1986; 9: 182
- Moesser PM; Julian S; Karstaedt N; et al: unusual presentation of cholelithiasis on T1-weighted MR imaging, *JCAT* 1988; 12: 150
- Moffit B; Duffy K; Lufkin RB; et al: MR imaging of intracranial hemorrhage, *JCAT* 1988; 12: 535
- Moffit B; Reicher M; Lufkin RB; et al: comparison of T1 and T2 weighted images of the lumbar spine, *Comput Med Imag Graph* 1988; 12: 271
- Moffit BJ; See Teresi LM
- Mohammad MM; See Abdel-Dayem HM
- Mohammed MM; See Al-Bahar R
- Mohammed SH; suprapubic micturition cystourethrography, *Acta Radiol* 1988; 29: 165
- Mohammed SH; Hegedus V: dislodgement of impacted oesophageal foreign bodies with carbonated beverages, *Clin Radiol* 1986; 37: 589
- Mohammed SH; Wirima J: balloon catheter dilatation of urethral strictures, *AJR* 1988; 150: 327
- Mohan JC; See Shrivastava S
- Mohan R; See Laughlin JS
- Mohan R; Barest G; Brewster LJ; et al: comprehensive three-dimensional radiation treatment planning system, *Int J Radiat Oncol Biol Phys* 1988; 15: 481
- Mohan R; Brewster LJ; Barest G; et al: arbitrary oblique image sections for 3-D radiation treatment planning, *Int J Radiat Oncol Biol Phys* 1987; 13: 1247
- Mohan V; Bhushan B; Sahai SB; et al: osteosclerotic metastasis from thyroid carcinoma, *Australas Radiol* 1987; 31: 204
- Mohan V; Gupta RP; Arora MM: tuberculosis of the calvaria mimicking eosinophilic granuloma, *Australas Radiol* 1988; 32: 147
- Mohan V; Gupta SK; Mohanty S: chronic pyogenic osteomyelitis of the calvarial bones, *Australas Radiol* 1987; 31: 389
- Mohan V; Sabri T; Marklund T; et al: solitary plasmacytoma of the spine (a case report and review of literature), *Australas Radiol* 1988; 32: 272
- Mohanty S; See Mohan V
- Mohd TBH; Yip CH: cystic neuroblastoma with colonic fistula, *Pediatr Radiol* 1988; 18: 406
- Mohiuddin M; Cantor RJ; Biermann W; et al: combined modality treatment of localized unresectable adenocarcinoma of the pancreas, *Int J Radiat Oncol Biol Phys* 1988; 14: 79
- Mohiuddin M; Marks GJ: high dose preoperative radiation and sphincter preservation in the treatment of rectal cancer, *Int J Radiat Oncol Biol Phys* 1987; 13: 839
- Mohsen F; See Teasdale E
- Moins N; See Maublant JC
- Moinuddin M; See Jackson JG
- Moinuddin M; Rockett J: gallium scintigraphy in the detection of amiodarone lung toxicity, *AJR* 1986; 147: 607
- Moiser B; See Bechtel W
- Mojtahedi S; See Osborn RE
- Mok FM; Mitchell JM; Whitlock RML; et al: biparietal diameter measurements: is there an optimal level for these?, *Australas Radiol* 1987; 31: 25
- Mok SD; See Leung JWC
- Mokka R; See Lantto T
- Mokri B; See Jack CR Jr
- Mokri B; See Petersen RC
- Mokri B; Piepgras DG; Hauser OW: traumatic dissection of the extracranial internal carotid artery, (ab), *Radiology* 1988; 169: 588
- Mol H; See Cloostermans MJTM
- Moldofsky PJ; See Unger EC
- Moldofsky PJ; See Rubenstein JA
- Moldofsky PJ; See Rubenstein JH
- Moldofsky PJ; Rubenstein JH; Richter MP; et al: quantitative lung scans for prediction of post-radiotherapy pulmonary function, *Clin Nucl Med* 1988; 13: 644
- Mole PA; See Sankar SS
- Mole RH: irradiation of the embryo and fetus, *Br J Radiol* 1987; 60: 17
- Molenaar JC; See Tibboel D
- Molina PL; See Greene R
- Mollins L; Payne WS; Cameron AJ; et al: unusually intractable Schatzki ring, (ab), *Radiology* 1988; 169: 586
- Moll V; See Becht E
- Moller BN; See Jurik AG
- Moller ML; See Rehling M
- Moller SH; See Jurik AG
- Moller T; See Tennvall J
- Mollin J; See Diakoumakis EE
- Molliver ME; See Kumar AJ
- Molloy SY; See Light MC
- Molnar CP; See Kloiber R
- Molteni A; See Ward WF
- Moltz L; See Sorensen R
- Momoi T; See Fujisawa I
- Momoshima S; Imai Y; Sugino Y; et al: radiologic findings of linear gastric erosions, *AJR* 1986; 147: 701
- Monaco MF; See Orzel JA
- Monajati A; Spitzer RM; Wiley JL; et al: MR imaging of a spinal teratoma, *JCAT* 1986; 10: 307
- Monajati A; Wayne WS; Rauschnig W; et al: MR of the cauda equina, *AJNR* 1987; 8: 893
- Moncada R; See Parvez Z
- Moneta GL; See Taylor DC
- Moneta GL; Strandness DE Jr: peripheral arterial duplex scanning, *JCU* 1987; 13: 645
- Mongini T; See Ruggiero R
- Mongovi C; See Halpern SE
- Monks R; Boyd GS: biologic stability of tauro-23-⁷⁵Se/tauro-25-homocholic acid, *J Nucl Med* 1988; 29: 1411
- Monnens L; See Schade FB
- Monro F; See Belli AM
- Monsees B; See Wilson AJ
- Monsees B; Destouet JM; Evans RG: self-referred mammography patient: a new responsibility for radiologists, *Radiology* 1988; 166: 69
- Monsees B; Destouet JM; Gersell DJ: light scan evaluation of nonpalpable breast lesions, *Radiology* 1987; 163: 467
- Monsees B; Destouet JM; Gersell DJ: light scanning of nonpalpable breast lesions: reevaluation, *Radiology* 1988; 167: 352
- Monsees B; Destouet JM; Totty WG; et al: case report 349, *Skeletal Radiol* 1986; 15: 154
- Monsees B; Destouet JM; Totty WG: light scanning versus mammography in breast cancer detection, *Radiology* 1987; 163: 463
- Monsein I; See Mettler FA Jr
- Monsein LH; Engel MA; Swanson DP: failure of technetium-99m sulfur colloid uptake by the femoral head: aseptic necrosis or normal variation?, *Clin Nucl Med* 1987; 12: 33
- Monsein LH; Halpert RD; Harris ED; Feczko PJ: retrograde ileography: value of glucagon, *Radiology* 1986; 161: 558
- Monsein LH; Woodside JR; Dhillion JS: percutaneous removal of thoracostomy tubes, *Radiology* 1987; 165: 743
- Montagne JP; See Geoffrey A
- Montagne JP; See Neuenschwander S
- Montague ED; See Matthews RH
- Montague TL; See Voegeli DR
- Montali G; See Solbiati L
- Montalvo B; See Fannoy D
- Montalvo BM; See Post MJD
- Montalvo BM; See Quencer RM
- Montalvo BM; Quencer RM: intraoperative sonography in spinal surgery: current state of the art, *Neuroradiol* 1986; 28: 551
- Montana MA; See Haynor DR
- Montana MA; See Richardson ML
- Montana MA; See Schoenecker SA
- Montana MA; See Selby B
- Montana MA; See Shuman WP
- Montana MA; See Teerly SA
- Montana MA; Richardson ML; Kilcoyne RF; Harley JD; Shuman WP; Mack LA: CT of sacral injury, *Radiology* 1986; 161: 499
- Montana MA; Rohmann CA: cholangiocarcinoma in a choledochal cyst: preoperative diagnosis, *AJR* 1986; 147: 516
- Montanez J; See Yulish BS
- Monteiro MLR; Swanson RA; Coppito JR; et al: microangiopathic syndrome of encephalopathy, hearing loss, and retinal arteriolar occlusions, (ab), *Radiology* 1986; 159: 822
- Montesi SA; See Kaplan PA
- Montgomery AB; See Huchon GJ
- Montgomery AB; Pajajani H; Brach RC; et al: aerosolized gadolinium-DTPA enhances the magnetic resonance signal of extravascular lung water, *Invest Radiol* 1987; 22: 377
- Montgomery J; See Dyer R
- Montgomery JB; See Dietz GW
- Montgomery JL; See Jackson JA
- Montgomery P; Kuhn JP; Afshani E: CT evaluation of severe renal inflammatory disease in children, *Pediatr Radiol* 1987; 17: 216
- Montgomery WJ; See Berbaum KS
- Montgomery WJ; See El-Khoury GY
- Montgomery WJ; See Ludwig WD
- Montgomery WJ; See Yuh WTC
- Monti F; See Livraghi T
- Montner SM; Lehr JL; Oravetz WT: quantitative evaluation of a dual energy CT system, *JCAT* 1987; 11: 144

Montour

- Montour JL; Fatouros PP; Prasad UR: effect of MR imaging on spleen colony formation following gamma irradiation, *Radiology* 1988; 168: 259
- Monterrat E See Donoso L
- Moodie DS See Detrano R
- Moody DM See Challa VR
- Moody MA See Whitley NO
- Moody MR See Tenney JH
- Moolten DN See Levine MS
- Moon B See Diehl JI
- Moon RE See Warren LP Jr
- Moon TD See Lange PH
- Mooney D See McCullough RW
- Mooney CTW; Anderson SE; Unger S: ²²Na rotating frame imaging in the perfused rabbit heart using separate transmitter and receiver coils, *Magn Res Med* 1987; 5: 296
- Mooney CTW; Dimand RJ; Cox KL: noninvasive determination of linoleic acid content of human adipose tissue by natural abundance carbon-13 nuclear magnetic resonance, *Magn Res Med* 1988; 6: 140
- Mooney V See Onik G
- Mooney WR; Reed MH: growth disturbances in the hands following thermal injuries in children. I. flame burns, *J Canad Assoc Radiol* 1988; 39: 91
- Mooppan UMM See Marino R
- Moore AV Jr; Illescas FF; Mills SR; Wertman DE; Heaston DK; Newman GE; Zuger JH; Salmon RB; Dunnick NR: percutaneous dilation of biliary strictures, *Radiology* 1987; 163: 625
- Moore CJ See Lukka HR
- Moore CJ; Edleston B: fast computer processing for tissue highlighting in computed tomographic cross-sectional imaging and digital scan projection radiography, *Br J Radiol* 1986; 59: 577
- Moore ED See Brown KT
- Moore EE See Rose SC
- Moore EH See Bourgoin PM
- Moore EH See Gooding GAW
- Moore EH; Webb WR; Amend WJC: pulmonary infections in renal transplantation patients treated with cyclosporine, *Radiology* 1988; 167: 97
- Moore EH; Webb WR; Müller NL; et al: MRI of pulmonary airspace disease: experimental model and preliminary clinical results, *AJR* 1986; 146: 1123
- Moore F See Lanzieri CF
- Moore GW See Erickson AM
- Moore GW See Offerhaus GJA
- Moore J See Datz FL
- Moore J See Moerser P
- Moore JB; Parker CF; Smith RJ; et al: concealment of neonatal cerebral infarction on MRI by normal brain water, *Pediatr Radiol* 1987; 17: 314
- Moore JG See Christian PE
- Moore JH Jr; Koolpe HA; Carabasi RA; et al: transvenous catheter pulmonary embolectomy, (ab), *Radiology* 1986; 159: 575
- Moore JV; Keene JP; Land EJ: dose-response relationships for photodynamic injury to murine skin, *Br J Radiol* 1986; 59: 257
- Moore L See Vujic I
- Moore L; Curry NS; Jenrette JM III: computed tomography of acute radiation nephritis, *Urol Radiol* 1986; 8: 89
- Moore LB See Vujic I
- Moore LB; McWey RE; Vujic I: massive hemoptysis: control by embolization of the thyrocervical trunk, *Radiology* 1986; 161: 173
- Moore M See Jacobs RP
- Moore M See Mauro MA
- Moore MM See Shearer DR
- Moore NR; Phillips MS; Shneerson JM; et al: appearances on computed tomography following thoracoplasty for pulmonary tuberculosis, *Br J Radiol* 1988; 61: 573
- Moore PJ See Munoz WF
- Moore R See Khaw BA
- Moore RD See Fried LP
- Moore RD See Powe NR
- Moore RH See Gill JB
- Moore RJ See Christiansen EL
- Moore S See McNamara MT
- Moore SA See Smoker WRK
- Moore SC See McMurdoo SC Jr
- Moore SC; Gooding CA; Brasch RC; Ehman RL; Ringertz HG; Ablin AR; Matthay KK; Zuger S: bone marrow in children with acute lymphocytic leukemia: MR relaxation times, *Radiology* 1986; 160: 237
- Moore TR See Pretorius DH
- Moore WH See Dhekne RD
- Moore WH See Howard JL
- Moore WH See Jones MM
- Moorehead RJ; Campbell GR; Donaldson JD; et al: relationship between duodenal bile acids and colorectal neoplasia, (ab), *Radiology* 1988; 168: 291
- Moore BM See Booler RV
- Moore BM See Faulkner K
- Mooser E; et al See Marquis C
- Moosy J See Jungreis CA
- Moote D; Ehrlich L; Martin RH: detection of small bowel leiomyosarcoma during a Meckel's scan, *Clin Nucl Med* 1987; 12: 152
- Moote D; Ehrlich L; Martin RH: postpneumonectomy bronchopleural fistula imaged by ventilation lung scanning, *Clin Nucl Med* 1987; 12: 337
- Mootz A See Weinreb JC
- Mootz AR See Stenolen R
- Mor F; Wysebeck AJ: evidence on computed tomography of pseudotumour cerebri in hypoparathyroidism, *Br J Radiol* 1988; 61: 158
- Mora JD See Brown J
- Moradian G See Pollei SR
- Morag B See Rubinstein ZJ
- Morag B; Rubinstein Z; Kesler A; et al: percutaneous transluminal angioplasty of the distal abdominal aorta and its bifurcation, *Cardiovas Intervent Radiol* 1987; 10: 129
- Morais J; Carrier L; Gariépy G; et al: gallium-67 pulmonary uptake in eosinophilic pneumonia, *Clin Nucl Med* 1988; 13: 41
- Morales FG See Valvasori GE
- Morales O See Starkhammar H
- Morales-Piga A; Elena-Ibanez A; Zea-Mendoza AC; et al: rheumatoid nodulosis: report of a case with evidence of intrasosseous rheumatoid granuloma, (ab), *Radiology* 1987; 163: 590
- Moran KT; Allo MM; O'Reilly TJ; et al: neutrophil intracellular kill following thermal injury: different bactericidal capability for patients' organisms and laboratory organisms, (ab), *Radiology* 1988; 169: 888
- Moran PR See Jackels SC
- Moran PR See Perman WH
- Moran PR See Saloner D
- Moran PR See Wall BE
- Moran PR; Kumar NG; Karstaedt N; et al: tissue contrast enhancement: image reconstruction algorithm and selection of TI in inversion recovery MRI, *Magn Res Imag* 1986; 4: 229
- Moran RA See Perman WH
- Moran V See Coche G
- Moran V; O'Keeffe F: giant cell astrocytoma in tuberous sclerosis: computed tomographic findings, *Clin Radiol* 1986; 37: 543
- Morand TM See Nishiyama H
- Morano JU See Burkhalter JL
- Morano JU See Cranston PE
- Morano JU See Henne M
- Morano JU; Burkhalter JL: bladder hernia simulating osseous metastatic lesion on radionuclide bone scan, *Urol Radiol* 1987; 9: 183
- Morano JU; Burkhalter JL: formation of an undesirable guide wire loop with the Cope introduction set, *Cardiovas Intervent Radiol* 1987; 10: 109
- Morano JU; Burkhalter JL: graft patency evaluation with DSA after reconstructive venous surgery, *Radiology* 1986; 160: 267
- Morano JU; Russell WF: nerve root enlargement in Charcot-Marie-Tooth disease: CT appearance, *Radiology* 1986; 161: 734
- Morayati SJ See Nagle CE
- Morayati SJ; Fink-Bennett D: indium-111 leukocyte scintigraphy in Wegener's granulomatosis involving the spleen, *J Nucl Med* 1986; 27: 1864
- Morayati SJ; Nagle CE: determination of death and the changing role of medical imaging, *Radiographics* 1988; 8: 967
- Morcos SK See Jagjivan B
- Morcos SK; Thomas DG: comparison of real-time ultrasonography with intravenous urography in the follow-up of patients with spinal cord injury, *Clin Radiol* 1988; 39: 49
- Morecki R See Rubinstein A
- Morehouse HT See Thornhill BA
- Morehouse HT; Weiner SN; Hoffman-Tretin JC: inflammatory disease of the kidney, *Semin US CT MR* 1986; 7: 246
- Morel DE See Rienzo RJ
- Morel DR See Slosman DO
- Morel M See Fornage BD
- Moreland SI See Van Lom KJ
- Moreland SI III; Cohen MI; Leopold GR; et al: third-trimester fetal sonography: meconium simulating a presacral mass, *AJR* 1988; 150: 379
- Moreno AJ See Sippl WC
- Moreno AJ; Battafarano NJ; Nelson PM; et al: multiple anaerobic hepatic abscesses demonstrated on hepatobiliary scintigraphy, *Clin Nucl Med* 1986; 11: 204
- Moreno AJ; Fredericks P; Cordis PR; et al: discordant hepatobiliary scintigraphy and computed tomography in hepatic metastasis, *Clin Nucl Med* 1987; 12: 331
- Moreno AJ; Fredericks P; Pan F; et al: ultrasonic localization of a non-opaque intravascular catheter fragment, *Br J Radiol* 1987; 60: 91
- Moreno AJ; Rodriguez AA; Spicer MJ; et al: value of obtaining renal images following brain scintigraphy with technetium-99m glucoheptonate, *Clin Nucl Med* 1986; 11: 560
- Moreno AJ; Sanders LR; Battafarano NJ; et al: non-Hodgkin's lymphoma, *Clin Nucl Med* 1986; 11: 801
- Moreno AJ; Spicer MJ; Farnum GD; et al: displaced spleen, *Semin Nucl Med* 1986; 16: 216
- Moreno AJ; Weisman IM; Rodriguez AA; et al: nuclear imaging in coxidioid osteomyelitis, *Clin Nucl Med* 1987; 12: 604
- Moreno CA See Hossack KF
- Moreno-Osset E; Tomas-Ridocci M; Paris F; et al: motor activity of esophageal substitute (stomach, jejunal, and colon segments), (ab), *Radiology* 1986; 161: 282
- Moret J See Castaigne L
- Moreton RD: reminiscences of the transition years, *Radiology* 1988; 166: 88
- Moretti JL See Defer G
- Moretti JL; Holman BL; Delmon L; et al: effect of antidepressant and narcotic drugs on N-isopropyl p-iodoamphetamine biodistribution in animals, *J Nucl Med* 1987; 28: 354
- Morettili LB See Bedi DG
- Morettili LB; Allen TE: thoracic duct cyst: diagnosis with needle aspiration, *Radiology* 1986; 161: 437
- Morettili LB; Brown RW; Amparo EG; et al: multiple simultaneous percutaneous needle biopsy (MSPNB) technique for masses of the abdomen and peritoneum, *Eur J Radiol* 1987; 7: 98
- Morewood DJW; Belchetz PE; Evans CC; et al: extrathoracic airway in acromegaly, *Clin Radiol* 1986; 37: 243
- Morewood DJW; Lamb GHR: man who hated hospitals, *Br J Radiol* 1986; 59: 793
- Morewood DJW; Scally JK: evaluation of the post-micturition radiograph following intravenous urography, *Clin Radiol* 1986; 37: 499
- Morewood DJW; Whitehouse GH: comparison of three methods for performing barium follow-through studies of the small intestine, *Br J Radiol* 1986; 59: 971
- Morgan AD See Currie DC
- Morgan CF See Caines GH
- Morgan D See Newton RL
- Morgan DAL See Marsh LF
- Morgan DAL See Plant GR
- Morgan DAL; Bradley PJ; MacLennan KA: early results of radiotherapy for advanced laryngeal cancer using three small fractions per day, *Acta Oncol* 1987; 26: 437
- Morgan DAL; Robinson HF; Marsh L; et al: vocal quality 10 years after radiotherapy for early glottic cancer, *Clin Radiol* 1988; 39: 295
- Morgan H See Tate T
- Morgan HT See Zamenhof RG
- Morgan K; Winer-Muram H; Massie D: complex rib fracture presenting as solitary linear focus of increased uptake on bone scan imaging, *Clin Nucl Med* 1986; 11: 797
- Morgan M See McNamara MJ
- Morgan MD; Denison DM; Strickland B: value of computed tomography for selecting patients with bullous lung disease for surgery, (ab), *Radiology* 1987; 164: 589
- Morgan S See Reed DH
- Morgan TCN; Barrett NK; Boulton JE: simple procedure for the removal of a non-dilating balloon bladder catheter: two cases, *Br J Radiol* 1986; 59: 1043
- Morgello S; Cho E-S; Nielsen S; et al: cytomegalovirus encephalitis in patients with acquired immunodeficiency syndrome, (ab), *Radiology* 1987; 164: 591
- Mori H See Miyake H
- Mori H; Hayashi K; Amamoto Y: membranous obstruction of the inferior vena cava associated with intrahepatic portosystemic shunt, *Cardiovas Intervent Radiol* 1986; 9: 209
- Mori H; Hayashi K; Fukuda T; et al: intrahepatic portosystemic venous shunt: occurrence in patients with and without liver cirrhosis, *AJR* 1987; 149: 711
- Mori H; Hayashi K; Futagawa S; et al: vascular compromise in chronic volvulus with midgut malrotation, *Pediatr Radiol* 1987; 17: 277
- Mori H; Hayashi K; Uetani M; Matsuoka Y; Iwao M; Maeda H: high-attenuation recent thrombus of the portal vein: CT demonstration and clinical significance, *Radiology* 1987; 163: 353
- Mori K See Hayashi N
- Mori K See Itoh K
- Mori K; Eguchi K; Moriyama H; et al: computed tomography of anterior mediastinal tumors: differentiation between thymoma and germ cell tumor, *Acta Radiol* 1987; 28: 395
- Mori S See Araki Y
- Mori T See Togashi K
- Mori Y See Furukawa T
- Mori Y See Higashi T
- Moriarty AT See Kopecky KK
- Moriarty MJ See Seymour CB

- Moribe N See Higashida Y
 Morikawa M See Fujisawa I
 Morikawa M See Noma S
 Morikawa S See Nishimura Y
 Morillo G See Castillo M
 Morimoto H See Shimizu M
 Morimoto I; Yoshimoto Y; Sato K; et al: serum TSH, thyroglobulin, and thyroidal disorders in atomic bomb survivors exposed in youth: 30-year follow-up study. *J Nucl Med* 1987; 28: 1115
 Morimoto K; Hashimoto T; Choi S; et al: ultrasonographic evaluation of intramural gastric and duodenal hematomas in hemophiliacs. *JCU* 1988; 16: 108
 Morimoto K; Matsui K; Hashimoto T; et al: intraatrial extension of hepatocellular carcinoma detected with ultrasound. *JCU* 1986; 14: 466
 Morimoto M See Sano N
 Morimoto S See Akira M
 Morimoto S See Ikezoe J
 Morimoto S See Takashima S
 Morin JF; Johnston KW; Law YF: factors affecting the continuous wave Doppler spectrum for the diagnosis of carotid arterial disease. *Ultrasound Med Biol* 1988; 14: 175
 Morin JF; Johnston KW; Law YF: in vitro study of continuous wave Doppler spectral changes resulting from stenoses and bulbs. *Ultrasound Med Biol* 1987; 13: 5
 Morin JF; Johnston KW; Rae M: improvement after successful percutaneous transluminal dilation treatment of occlusive peripheral arterial disease. (ab). *Radiology* 1987; 163: 836
 Morin R See Lund G
 Morin RL See Gray JE
 Morin RL See Salomonowitz E
 Morin RL See Young AT
 Moring AF See Leppo JA
 Morita S; Matsumoto S; Soejima T; Odani R; Yokota T: biliary drainage: conversion of external to internal drainage. *Radiology* 1988; 167: 267
 Morioka F; Tashiro K; Maruo Y; et al: MR imaging of pontine and extrapontine myelinolysis. *JCAT* 1988; 12: 446
 Morioka H See Mori K
 Morioka N See Muramatsu Y
 Morioka N See Takayasu K
 Morioka F; Ban N; Nishida O; et al: clinical application of an ultrasonic duplex system in the quantitative measurement of portal blood flow. *JCU* 1986; 14: 579
 Morioka F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H: portal hemodynamics in patients with hepatocellular carcinoma. *Radiology* 1986; 161: 707
 Morioka F; Nishida O; Ban N; et al: "congestion index" of the portal vein. *AJR* 1986; 146: 735
 Morioka F; Tamada T; Miyake T; et al: ultrasonic Doppler duplex study of hemodynamic changes from portosystemic shunt operation. (ab). *Radiology* 1987; 164: 886
 Mork A See Staple TW
 Morlock F See Hamer MM
 Moro E; Roelandt J; Geuskens R; et al: usefulness of Doppler echocardiography in the management of patients with mitral stenosis during pregnancy. *JCU* 1988; 16: 114
 Moro G See Dore R
 Morollo BA See Evans RJ
 Morphis JG See Calkins AR
 Morphis JG II See Lester SG
 Morrell P; Coulthard MG; Hey EN: neonatal urinary ascites. (ab). *Radiology* 1986; 160: 288
 Morrey BF See Pettine KA
 Morris AD See Hopewell JW
 Morris AH See Cutillo AG
 Morris AJ See Smith FW
 Morris DC See Huey H
 Morris DC; Nichols DM; Connell DG; et al: embolization of the left gastric artery in the absence of angiographic extravasation. *Cardiovasc Intervent Radiol* 1986; 9: 195
 Morris DL: hepatic echinococcal cyst: successful percutaneous drainage. *Radiology* 1986; 159: 567
 Morris DL; Buckley J; Gregson R; et al: magnetic resonance imaging in hydatid disease. *Clin Radiol* 1987; 38: 141
 Morris DT: evaluation of the use of texture measurements for the tissue characterization of ultrasonic images of *in vivo* human placentae. *Ultrasound Med Biol* 1988; 14: 387
 Morris E See Mueller PR
 Morris GM; Hopewell JW: changes in the cell kinetics of pig epidermis after single doses of X rays. *Br J Radiol* 1988; 61: 205
 Morris J See Onik G
 Morris J; Stellato TA; Haaga JR; et al: utility of computed tomography in colonic diverticulitis. (ab). *Radiology* 1987; 162: 586
 Morris JG See Lee KJ
 Morris JH See Kaplan WD
 Morris JH See Wang A-M
 Morris JM See Chafetz NI
 Morris KJ; Taiton VS; Smith WL; Altmaier EM; Franken EA Jr: critical analysis of radiologist-patient interaction. *Radiology* 1987; 163: 565
 Morris L See Kozlowski K
 Morris LL See Alcock MK
 Morris LL See Davies RP
 Morris LLN See Shuman WP
 Morris ME See Castagna AA
 Morris PG See Ngo JT
 Morris FM See Lee VW
 Morris TA; Thompson BT; Quinn DA; et al: diffusing capacity is not measurably affected by routine lung perfusion scanning. *J Nucl Med* 1988; 29: 1268
 Morris TW See Beltmann MA
 Morris TW See Ekholm SE
 Morris TW See Fischer HW
 Morris TW See Holtas S
 Morris TW See Katzberg RW
 Morris TW See Kido DK
 Morris TW See Rubin DI
 Morris TW See Simon JH
 Morris TW: ventricular fibrillation during right coronary arteriography with isoxaglate, isohexol and iopamidol in dogs. *Invest Radiol* 1988; 23: 205
 Morris TW; Ventura J: incidence of fibrillation with dilute contrast media for intra-arterial coronary digital subtraction angiography. *Invest Radiol* 1986; 21: 416
 Morris KA See Miller DL
 Morris RH See Spinelli JS
 Morrison AS See Bright KA
 Morrison H See Neeland JB
 Morrison MC See Lee VW
 Morrison MC; Weiss KL; Moskos MM: CT and MR appearance of a primary intracranial meningioma. *JCAT* 1988; 12: 169
 Morrison S See Butler H
 Morrison SC: case report: demonstration of a tracheal bronchus by computed tomography. *Clin Radiol* 1988; 39: 208
 Morrison SC; Comisky E; Fletcher BD: calcification in the adrenal glands associated with disseminated herpes simplex infection. *Pediatr Radiol* 1988; 18: 240
 Morrison PM See Sanchez R
 Morrissey GJ; Gravelle D; Dietz G; et al: in vivo red blood cell compatibility testing using indium-113m tropolone-labeled red blood cells. *J Nucl Med* 1988; 29: 684
 Morrison T: errors in spin-lattice relaxation time measurements from restricted volumes. *Magn Res Med* 1987; 5: 434
 Morrow IM See Levi CS
 Morse D See Steiner RM
 Morse MJ See Yeh SDJ
 Morse RR See Wang Y
 Morse SS See Falkoff GE
 Morse SS See Greenwood LH
 Morse SS See Ramos I
 Morse SS See Sniderman KW
 Morse SS See Taylor KJW
 Morse SS; Cambria R; Strauss EB; et al: transluminal angioplasty of the hypogastric artery for treatment of buttock claudication. *Cardiovasc Intervent Radiol* 1986; 9: 136
 Morse SS; Glickman MG; Greenwood LH; et al: traumatic aortic rupture: false-positive aortographic diagnosis due to atypical ductus diverticulum. *AJR* 1988; 150: 793
 Morse SS; Reuben A; Strauss EB; et al: liver transplant rejection arteritis: serial hepatic arteriography. *Cardiovasc Intervent Radiol* 1986; 9: 191
 Morse SS; Strauss EB; Hashim SW; et al: percutaneous retrieval of an unusually large, nonopaque intravascular foreign body. *AJR* 1986; 146: 863
 Morse SS; Strauss EB; Sumpio BE: apparent arterial occlusion due to pneumatic antishock garment: pitfall in trauma angiography (case report). *AJR* 1986; 147: 391
 Morse SS; Taylor KJW; Strauss EB; et al: congenital absence of the portal vein in oculoauriculovertebral dysplasia (Goldenhar syndrome). *Pediatr Radiol* 1986; 16: 437
 Morslyn G See Cosolo W
 Mortelmans LL See Verguts L
 Mortenson J See Groth S
 Mortenson W See Eklof O
 Mortenson W See Erasim E
 Mortenson W See Nybonge T
 Mortenson W See Rosenborg M
 Mortenson W See Soderlund V
 Mortenson W See Thönnel S
 Mortenson W; Lindroth M: course of bronchopulmonary dysplasia: radiographic follow-up. *Acta Radiol* 1986; 27: 19
 Mortenson W; Noack G; Curstedt T; et al: radiologic observations in severe neonatal respiratory distress syndrome treated with the isolated phospholipid fraction of natural surfactant. *Acta Radiol* 1987; 28: 389
 Mortimer A See Crum LA
 Mortimer AJ See McLean JR
 Mortimer J See Marglin SI
 Morton BA See du Boulay GH
 Morton D See Axel I
 Morton JD; Harrison LB; Peschel RE: prostatic cancer therapy: comparison of external-beam radiation and I-125 seed implantation treatment of stages B and C neoplasms. *Radiology* 1986; 159: 249
 Morton JD; Peschel RE: iodine-125 implants versus external beam therapy for stages A2, B, and C prostate cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 1153
 Morton KA; Alazraki NF; Daiz FL; et al: uptake of cadmium-109, a metallothionein-binding radiometal, by tumors in mice as a function of the transformed phenotype. *Invest Radiol* 1988; 23: 200
 Morton KA; Alazraki NF; Taylor AT; et al: SPECT thallium-201 scintigraphy for the detection of left-ventricular aneurysm. *J Nucl Med* 1987; 28: 168
 Morton MJ; Charboneau JW; Banks PM: inguinal lymphadenopathy simulating a false aneurysm on color-flow Doppler sonography. *AJR* 1988; 151: 115
 Morville P See Motte J
 Mosca F See DiCandia G
 Moskild L See Jurik AG
 Mosley L: long term effects of the introduction of noninvasive investigations in neuroradiology. part 2: effects on management of individual patients. *Neuroradiol* 1988; 30: 193
 Mosley IF See Yu YL
 Mosley IF: long term effects of the introduction of noninvasive investigations in neuroradiology. part 1: overall trends. *Neuroradiol* 1988; 30: 187
 Mosley M See Bretan FN Jr
 Mosley ME See Chew WM
 Mosley ME See Lang P
 Mosley ME See Ogan MD
 Mosley ME See Schmiedl U
 Mosley RD Jr See Kelsey CA
 Mosely S See Winek TG
 Moser ES Jr See Proto AV
 Moser ES Jr; . . . to AV: lung torsion: case report and literature review. *Radiology* 1987; 162: 639
 Moser FG; Hilal SK; Abrams G; et al: MR imaging of pseudotumor cerebri. *AJNR* 1988; 9: 39
 Moser FG; Hilal SD; Bello JA; et al: magnetic resonance imaging of white matter changes in traumatic leukoencephalopathy. *CT* 1988; 12: 171
 Moser HW See Kumar AJ
 Moser L See Ramanna L
 Moser R See Lee Y-Y
 Moser RP Jr See Ros FR
 Moser RP Jr: fourth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology. *Radiology* 1988; 168: 869
 Moser RP Jr: third Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology. *Radiology* 1988; 166: 576
 Moser RP Jr; Madewell JE: approach to primary bone tumors. *Radiol Clin North Am* 1987; 25: 1049
 Moser RP Jr; Sweet DE; Haseman DB; et al: multiple skeletal fibroxanthomas: radiologic-pathologic correlation of 72 cases. *Skeletal Radiol* 1987; 16: 353
 Moser RP Jr; Vinh TN; Ros FR; Smirniotopoulos JG; Madewell JE; Berrey BH: Paget disease of the anterior tibial tubercle. *Radiology* 1987; 164: 211
 Moses HW See Weiner RS
 Moses JW See Goldberg HL
 Moses M See Barkl Y
 Moses MI See Steiner RM
 Moshang T See Bilaniuk LT
 Moshfeghi M; Waag RC: *in vivo* and *in vitro* ultrasound beam distortion measurements of a large aperture and a conventional aperture focused transducer. *Ultrasound Med Biol* 1988; 14: 415
 Mosier D See Bechtel W
 Moskos MM See Morrison MC
 Moskovitz B; Bolker M; Levin DR: spontaneous delivery of renal stone into the retroperitoneum. *Urol Radiol* 1986; 8: 214
 Moskowicz GW; Lukash F: evaluation of bone graft viability. *Semin Nucl Med* 1988; 18: 246
 Moskowicz LB See Post MJD
 Moskowicz M See Pollei SR
 Moskowicz M: breast cancer: age-specific growth rates and screening strategies. *Radiology* 1986; 161: 37
 Moskowicz M: breast cancer screening: all's well that ends well, or much ado about nothing? *AJR* 1988; 151: 659
 Moskowicz M: costs of screening for breast cancer. *Radiol Clin North Am* 1987; 25: 1031

Moskowitz

- Moskowitz M:** nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis: reply, *Radiology* 1988; 167: 285
- Moskowitz M:** predictive value, sensitivity, and specificity in breast cancer screening, *Radiology* 1988; 167: 576
- Mosley BR** See **Cooner WH**
- Moss AA** See **Buy J-N**
- Moss AA** See **Cyr DR**
- Moss AA** See **Demas BE**
- Moss AA** See **Porter BA**
- Moss AA** See **Shuman WP**
- Moss AA** See **Stark DD**
- Moss AA; Baron RL; Balfe DM:** abdominal-gastrointestinal radiology. RSNA '87 meeting notes, *Radiology* 1988; 166: 595
- Moss AJ** See **Giamaki R**
- Moss CN** See **Lawdahl RB**
- Moss CN; Van Dyke JA; Koehler RE; et al:** multiple cavernous hemangiomas of the spleen: CT findings, *JCAT* 1986; 10: 338
- Moss D** See **Herman G**
- Moss T** See **Adam R**
- Moss T** See **Kabalka GW**
- Mossberg KA; Mullan N; Gould KL; et al:** skeletal muscle blood flow in vivo: detection with rubidium-82 and effects of glucose, insulin, and exercise, *J Nucl Med* 1987; 28: 1155
- Mossey RT** See **Nadich JB**
- Mosskiss M; von Holst H; Berström M; et al:** positron emission tomography with ^{11}C -methionine and computed tomography of intracranial tumours compared with histopathologic examination of multiple biopsies, *Acta Radiol* 1987; 28: 673
- Mosskiss M; von Holst H; Ericson K:** blood tumour barrier in intracranial tumours studied with x-ray computed tomography and positron emission tomography using 68-Ga-EDTA, *Neuroradiol* 1986; 28: 259
- Mossman KL** See **Thraves PJ**
- Mostart JEJM** See **Thijssen HOM**
- Mostbeck G; Sommer G; Haller J; et al:** accessory spleen: presentation as a large abdominal mass in an asymptomatic young woman, *Gastrointest Radiol* 1987; 12: 337
- Mostrom U; Bergstrom K; Pech F; et al:** deep-frozen biologic phantom for performance evaluation of CT scanners, *JCAT* 1986; 10: 1016
- Mostrom U; Ytterbergh C:** artifacts in computed tomography of the posterior fossa: comparative phantom study, *JCAT* 1986; 10: 560
- Mostrom U; Ytterbergh C:** reliability of attenuation measurements in CT of the lumbar spine: evaluation with an anthropomorphic phantom, *JCAT* 1988; 12: 474
- Mostrom U; Ytterbergh C:** spatial distribution of dose in computed tomography with special reference to thin-slice techniques, *Acta Radiol* 1987; 28: 771
- Mosure JC** See **Beltran J**
- Mota HC; Vijayakumar S; Sibata C; Higgins PD; Thomas FJ; Saxton J; Weinstein M:** posterior spinal cord block: a dosimetric study, *Radiology* 1988; 168: 859
- Mothersill C** See **Seymour CB**
- Mothersill C; Cusack A; Seymour CB:** radiation-induced outgrowth inhibition in explant cultures from surgical specimens of five human organs, *Br J Radiol* 1988; 61: 226
- Mothersill C; Seymour CB:** effect of lactate on the recovery of CHO-K1 cells from gamma radiation damage, *Acta Oncol* 1986; 25: 71
- Mott DJ:** potential of cylindrical co-ordinate three-dimensional surface models, *Br J Radiol* 1988; 61: 239
- Motte J; Gomes H; Morville P; et al:** sonographic diagnosis of lissencephaly, *Pediatr Radiol* 1987; 17: 362
- Mould J** See **Bond WH**
- Mould JJ** See **Meanwell CA**
- Moulder JE** See **Holcenberg JS**
- Moulder JE; Dutreix J; Rockwell S; et al:** applicability of animal tumor data to cancer therapy in humans, *Int J Radiat Oncol Biol Phys* 1988; 14: 913
- Moulder JE; Holcenberg JS; Kamen BA; et al:** renal irradiation and the pharmacology and toxicity of methotrexate and cisplatin, *Int J Radiat Oncol Biol Phys* 1986; 12: 1415
- Mountain CE** See **McKenna RJ Jr**
- Mountain CF** See **Holbert JM**
- Mountain CF** See **Lishitz HI**
- Mountford G:** towards 2000: the radiology business, *Br J Radiol* 1988; 61: 794
- Mountford PJ; Heap RB; Hamon M; et al:** suppression by perchlorate of technetium-99m and iodine-123 secretion in milk of lactating goats, *J Nucl Med* 1987; 28: 1187
- Mountz JM; Glazer GM; Dmochowski C; et al:** MR imaging of the thyroid: comparison with scintigraphy in the normal and diseased gland, *JCAT* 1987; 11: 612
- Mountz JM; Malinoff H; Wilson MW:** silent infarction of the brain: incidental finding demonstrated by SPECT, *Clin Nucl Med* 1988; 13: 498
- Mountz JM; Ripley SD; Gross MD; et al:** appearance of a large mesenteric varix on a technetium-99m red blood cell gastrointestinal bleeding study, *Clin Nucl Med* 1986; 11: 229
- Mourad K; Guggiana P; Minasian H:** superior mesenteric aneurysm diagnosed by ultrasound, *Br J Radiol* 1987; 60: 287
- Mourad K; King J; Guggiana P:** computed tomography and ultrasound imaging of jumper's knee—patellar tendinitis, *Clin Radiol* 1988; 39: 162
- Mouradian JA** See **Teixidor HS**
- Mouradian MD** See **Liwnicz BH**
- Mourao GS** See **Uflacker R**
- Mousa AM** See **Bahar RH**
- Mousa SA; Williams SJ; Sands H:** characterization of in vivo chemistry of cations in the heart, *J Nucl Med* 1987; 28: 1351
- Moyer RA** See **Megazadeh M**
- Moyer RA; Betz RR; Bonakdarpour A:** case report 424, *Skeletal Radiol* 1987; 16: 333
- Moylan DJ III** See **Thistlethwaite AJ**
- Moylan DJ III** See **Waterman FM**
- Moyns S** See **Grant R**
- Msaki P; Axelsson B; Dahl CM; et al:** generalized scatter correction method in SPECT using point scatter distribution functions, *J Nucl Med* 1987; 28: 1861
- Muirikale JS; Klein JL; Schroeder J; et al:** radiation enhancement of radiolabelled antibody deposition in tumours, *Int J Radiat Oncol Biol Phys* 1987; 13: 1839
- Mucci B; Lewi HJE; Fleming S:** radiology of sarcomas and sarcomatoid carcinomas of the kidney, *Clin Radiol* 1987; 38: 249
- Muchmore JH** See **Varna DGK**
- Muder RR** See **Yu VL**
- Mudge B** See **Fishman EK**
- Muehlelehner G** See **Daube-Witherspoon ME**
- Muehlelehner G; Karp JS:** positron camera using position-sensitive detectors: PENN-PET, *J Nucl Med* 1986; 27: 90
- Muehlelehner G; Karp JS:** positron emission tomography imaging—technical considerations, *Semin Nucl Med* 1986; 16: 35
- Mueller CF** See **Beltran J**
- Mueller DL** See **Amundson GM**
- Mueller DL** See **Wesenberg RL**
- Mueller DL; Amundson GM; Rubin SZ; et al:** acute scrotal abnormalities in children: diagnosis by combined sonography and scintigraphy, *AJR* 1988; 150: 643
- Mueller DL; Amundson GM; Wesenberg RL; et al:** application of IV digital subtraction angiography to cranial disease in children, *AJNR* 1986; 7: 669
- Mueller E** See **Huber DJ**
- Mueller E; Deimling M; Reinhardt ER:** quantification of pulsatile flow in MRI by an analysis of T_2 changes in ECG-gated multiecho experiments, *Magn Res Med* 1986; 3: 331
- Mueller OM** See **Hardy CJ**
- Mueller PR** See **Brock R**
- Mueller PR** See **Brown AS**
- Mueller PR** See **Butch RJ**
- Mueller PR** See **Ferrucci JT**
- Mueller PR** See **O'Moore PV**
- Mueller PR** See **Silverman SG**
- Mueller PR** See **Steiner E**
- Mueller PR** See **White EM**
- Mueller PR:** hepatic echinococcal cyst: successful percutaneous drainage: reply, *Radiology* 1986; 159: 567
- Mueller PR:** interventional radiology of the biliary tract: a decade of progress, *Radiology* 1988; 168: 328
- Mueller PR; Miketic LM; Simeone JF; et al:** severe acute pancreatitis after percutaneous biopsy of the pancreas, *AJR* 1988; 151: 493
- Mueller PR; Saini S; Simeone JF; Silverman SG; Morris E; Hahn PF; Forrean BH; McLeod TC; Shepard JO; Ferrucci JT Jr:** image-guided pleural biopsies: indications, technique, and results in 23 patients, *Radiology* 1988; 169: 1
- Mueller PR; Saini S; Wittenburg J; Simeone JF; Hahn PF; Steiner E; Dawson SL; Butch RJ; Stark DD; Ottinger LW; Rodkey GV; Bousquet J-C; Ferrucci JT Jr:** sigmoid diverticular abscesses: percutaneous drainage as an adjunct to surgical resection in 24 cases, *Radiology* 1987; 164: 321
- Mueller PR; Simeone JF; Butch RJ; et al:** percutaneous drainage of subphrenic abscess: review of 62 patients, *AJR* 1986; 147: 1237
- Mueller PR; Stark DD; Simeone JF; Saini S; Butch RJ; Edelman RR; Wittenburg J; Ferrucci JT Jr:** MR-guided aspiration biopsy: needle design and clinical trials, *Radiology* 1986; 161: 605
- Mueller PR; vanSonnenberg E; Ferrucci JT Jr; Weyman FJ; Butch RJ; Malt RA; Burhenne HJ:** biliary stricture dilatation: multicenter review of clinical management in 73 patients, *Radiology* 1986; 160: 17
- Mueller SC; Wilbert D; Thueroff JW; et al:** extracorporeal shock wave lithotripsy of ureteral stones: clinical experience and experimental findings, (ab), *Radiology* 1986; 160: 858
- Mueller SP** See **Polak JF**
- Mueller SP; Polak JF; Kijewski ME; et al:** collimator selection for SPECT brain imaging: advantage of high resolution, *J Nucl Med* 1986; 27: 1729
- Mueller ST** See **Johnson KA**
- Mueller-Klieser W** See **Marx E**
- Mueller-Klieser W** See **Sutherland R**
- Mueller-Klieser W; Vaupel P:** improvement of tumor spheroid oxygenation by tetrachloroethoxy, *Int J Radiat Oncol Biol Phys* 1987; 13: 49
- Muenster W** See **Stoeslein F**
- Mueri M** See **Hennig J**
- Mughal MM; Marples M; Banciewicz J:** scintigraphic assessment of esophageal motility: what does it show and how reliable is it?, (ab), *Radiology* 1987; 163: 289
- Mugler JP** See **Faling MR**
- Muhler J; Ziesman HA; Earll JM; et al:** false-positive iodine-131 whole body scan due to pectus excavatum, *Clin Nucl Med* 1988; 13: 207
- Muhler E; Hofstetter R; Horchen H; et al:** myocardial perfusion by transvenous pacemaker in a newborn infant: echocardiographic diagnosis, *JCU* 1986; 14: 141
- Muhm JR** See **Adams VI**
- Muhm JR** See **Brown LR**
- Muhm JR** See **Huston J III**
- Muhm JR** See **Zerhouni EA**
- Muhm JR:** general case of the day: annual meeting, 1985, *Radiographics* 1986; 6: 914
- Muhr C** See **Bergstrom M**
- Muhr C; Bergstrom M; Lundberg PO; et al:** dopamine receptors in pituitary adenomas: PET visualization with ^{11}C -N-methylspiperone, *JCAT* 1986; 10: 175
- Muhr WF** See **Brandon JC**
- Mullenburg MI** See **Forrest TS**
- Muir BB** See **Chambers SE**
- Muir HD** See **Galkin BM**
- Mukai J; Chen P:** inferior vena caval pseudo thrombus sign: diagnosis by dynamic CT after arm vein injection, (ab), *Radiology* 1986; 159: 575
- Mukai JK; Janower ML:** diagnosis of pseudomembranous colitis by computed tomography: report of two patients, *J Canad Assoc Radiol* 1987; 38: 62
- Mukai JK; Stack CM; Turner DA; et al:** imaging of surgically relevant hepatic vascular and segmental anatomy. part 1. normal anatomy, *AJR* 1987; 149: 287
- Mukai JK; Stack CM; Turner DA; et al:** imaging of surgically relevant hepatic vascular and segmental anatomy. part 2. extent and resectability of hepatic neoplasms, *AJR* 1987; 149: 293
- Mukamel E; Hannah J; Barbaric ZL; et al:** value of computerized tomography scan and magnetic resonance imaging in staging prostatic carcinoma: comparison with the clinical and histological staging, (ab), *Radiology* 1987; 163: 840
- Mukherji M** See **Harnish P**
- Mukherji M** See **Harnish PP**
- Mukherji SK; Siegel MJ:** Rhabdomyolysis and renal failure in child abuse, *AJR* 1987; 148: 1203
- Mukhopadhyay S** See **Khosla A**
- Mukhopadhyay S** See **Rajani M**
- Mukhopadhyay S** See **Shrivastava S**
- Mukubo M:** epidemiological study: safety of diagnostic ultrasound during pregnancy on fetus and child development, *Ultrasound Med Biol* 1986; 12: 691
- Mukuno DH; Lee TG; Watanabe AS; et al:** aneurysmal bone cyst presenting as a pelvic mass on sonographic examination, *J Ultrasound Med* 1986; 5: 215
- Mulaikal RM** See **Van Dop C**
- Mulcahy D; Shapiro LM; Westgate C; et al:** diagnosis of aortic root aneurysm by cross-sectional echocardiography, *Clin Radiol* 1986; 37: 235
- Mulcahy MJ** See **Hartnell GG**
- Mulcahy RT:** carbamoylation, inhibition of glutathione reductase and chemopotentiation of nitrosoureas by misonidazole, *Int J Radiat Oncol Biol Phys* 1986; 12: 1393
- Mulcahy RT:** cross-link formation and chemopotentiation of EMT-6/Ro cells exposed to MISO after CCNU treatment in vitro, *Int J Radiat Oncol Biol Phys* 1986; 12: 1389
- Mulder D** See **Batra P**
- Mulder JD** See **Vellenga CJLR**

- Mulder LJMM; Oranje AP; Loonen MCB: cranial CT in the Sjogren-Larsson syndrome, *Neuroradiol* 1987; 29: 560
- Mullani N See Mossberg KA
- Mullani NA See Goldstein RA
- Mullen JBM See Hoffstein V
- Mullen JBM See Rubinstein I
- Muller BA See Rivara FP
- Muller HH See Ballerio C
- Muller HH See Freeman DM
- Muller HH See Ratner AV
- Muller NL See Bergin CJ
- Muller NL See Coppola J
- Muller NL See Godwin JD
- Muller NL See McElvaney G
- Muller NL See Machan L
- Muller NL See Mayo JR
- Muller NL See Miller RR
- Muller NL See Moore EH
- Muller NL See Munk PL
- Muller NL See Scott I
- Muller NL See Scott IR
- Muller NL See Staples CA
- Muller NL See Stein MG
- Muller NL See Zwirbach CV
- Muller NL: CT features of cystic teratoma of the diaphragm, *JCAT* 1986; 10: 325
- Muller NL; Bergin CJ; Miller RR; et al: seeding of malignant cells into the needle track after lung and pleural biopsy, *J Canad Assoc Radiol* 1986; 37: 192
- Muller NL; Guerry-Force ML; Lawson L; et al: clinico-radiologic-pathologic conference: an elderly man with bilateral lung disease, *J Canad Assoc Radiol* 1987; 38: 219
- Muller NL; Guerry-Force ML; Staples CA; Wright JL; Wiggs B; Coppin C; Pare P; Hogg JC: differential diagnosis of bronchiolitis obliterans with organizing pneumonia and usual interstitial pneumonia: clinical, functional, and radiologic findings, *Radiology* 1987; 162: 151
- Muller NL; Mayo J; Culham JAG; et al: ductus arteriosus aneurysm in Marfan syndrome, *J Canad Assoc Radiol* 1986; 37: 195
- Muller NL; Miller RR; Ostrow DN; et al: tension pneumopericardium: an unusual manifestation of invasive pulmonary aspergillosis, *AJR* 1987; 148: 678
- Muller NL; Miller RR; Webb WR; Evans KG; Ostrow DN: fibrosing alveolitis: CT-pathologic correlation, *Radiology* 1986; 160: 585
- Muller NL; Nichols DM: accuracy of the plain radiograph in the detection of aortopulmonary lymphadenopathy, *J Canad Assoc Radiol* 1987; 38: 82
- Muller NL; Staples CA; Miller RR; Veda S; Thurlbeck WM; Ostrow DN: idiopathic pulmonary fibrosis: CT and pathologic correlation, *Radiology* 1987; 165: 731
- Muller R See Kirkinen P
- Muller RN See Kinck PA
- Muller R-P; Busse H; Potter R; et al: results of high dose 106-ruthenium irradiation of choroidal melanomas, *Int J Radiat Oncol Biol Phys* 1986; 12: 1749
- Müller S See Vigneron DB
- Müller S: multifrequency selective rf pulses for multislice MR imaging, *Magn Res Med* 1988; 6: 364
- Müller S: reciprocal space description of MR experiments, *Magn Res Med* 1987; 5: 502
- Müller-Forell W; Schroth G; Egan PJ: MR imaging in tumors of the pineal region, *Neuroradiol* 1988; 30: 224
- Muller-Runkel R; Vijayakumar S: brachytherapy implants with differently spaced Ir-192 seeds: a dosimetric study, *Radiology* 1987; 165: 271
- Müller-Vahl H; Vogelsang H: spinal cord injury caused by a lateral C1-2 puncture for cervical myelography, *Eur J Radiol* 1986; 6: 160
- Mulley AG Jr; Carlson KJ; Dretler SP: extracorporeal shock-wave lithotripsy: slambang effects, silent side effects?, *AJR* 1988; 150: 316
- Mulligan ME; McCarthy MJ; Wippold FJ; Lichtenstein JE; Wagner GN: radiologic evaluation of mass casualty victims: lessons from the Gander, Newfoundland, accident, *Radiology* 1988; 168: 229
- Mullin DM; Rodan BA; Bean WJ; et al: computed tomography of oleothorax, *CT* 1986; 10: 197
- Mullins TL See Doherty FJ
- Mulopulos GP See Fletcher BD
- Mulopulos GP See Martin B
- Mulopulos GP See Modic MT
- Mulopulos GP See Yulish BS
- Mulopulos GP; Patel SK; Pessis D: MR imaging of xanthogranulomatous pyelonephritis, *JCAT* 1986; 10: 154
- Mulopulos GP; Turner DA; Schwartz MM; et al: MRI of the kidneys in paroxysmal nocturnal hemoglobinuria, *AJR* 1986; 146: 501
- Mulroy JJ See Friedman BI
- Mulry C See Rees CR
- Mulshine JL See Kerasan AJ
- Mulshine JL See Keenan AM
- Mulvihill DM: ultrasound findings of chronic intussusception in a patient with cystic fibrosis, *J Ultrasound Med* 1988; 7: 353
- Mun CW See Cho ZH
- Mun CW See Kim YS
- Munaka S See Kida T
- Munck O See Hartling OJ
- Munck O See Thomsen HS
- Mundy AR See Saxton HM
- Munehika H; Cohan RH; Baker ME; et al: hemizygous continuation of a left inferior vena cava: CT appearance, *JCAT* 1988; 12: 328
- Munehika H; Honda M; Kushihashi T; et al: computed tomography of retroperitoneal cystic lymphangiomas, *JCAT* 1987; 11: 116
- Munichor M See Gattini D
- Munitz HA See Dyer RB
- Munk PL; Connell DG; Quenville NF: dedifferentiated chondrosarcoma of bone with leiomyosarcomatous mesenchymal component: a case report, *J Canad Assoc Radiol* 1988; 39: 218
- Munk PL; Müller NL: pleural liposarcoma: CT diagnosis, *JCAT* 1988; 12: 709
- Munk PL; Müller NL; Miller RR; Ostrow DN: pulmonary lymphangitic carcinomatosis: CT and pathologic findings, *Radiology* 1988; 166: 705
- Munk PL; Pitman RG; Chipperfield PM; et al: iliac artery aneurysms arising in patients having had resections of abdominal aneurysms, *J Canad Assoc Radiol* 1988; 39: 224
- Munn CS; Kiser LC; Wetzelner SM; Baer JE: ovary volume in young and premenopausal adults: US determination. work in progress, *Radiology* 1986; 159: 731
- Munoz L See Zevallos M
- Munoz R See Vallancien G
- Munoz SJ See Wechsler RJ
- Munoz WP; Moore PJ; MacKinnon A; et al: biparietal diameter and menstrual age in the black population attending Edendale Hospital, *JCU* 1986; 14: 681
- Muñoz-Gómez J; Gómez-Pérez R; Llopart-Buisán E; et al: clinical picture of the amyloid arthropathy in patients with chronic renal failure maintained on haemodialysis using cellulose membranes, (ab), *Radiology* 1988; 166: 912
- Munro AJ: graphical method for the analysis of decisions in clinical oncology, *Clin Radiol* 1986; 37: 263
- Munro P See Martell E
- Munster AM See Haponik EF
- Munz DL; Alavi A; Kopprowski H; et al: improved radioimmunodiagnosis of human tumor xenografts by a mixture of monoclonal antibody F(ab')₂ fragments, *J Nucl Med* 1986; 27: 1739
- Munzenrider J See Slater JD
- Munzenrider JE; Gragoudas ES; Seddon JM; et al: conservative treatment of uveal melanoma: probability of eye retention after proton treatment, *Int J Radiat Oncol Biol Phys* 1988; 15: 553
- Murahashi H See Higashi T
- Murakami J See Lu CC
- Murakami J See Yang CJC
- Murakami J See Yoshikai T
- Murakami M See Seo Y
- Murakami Y See Itai Y
- Muraki A See Hatfield M
- Muraki AS See Hong-Magno ET
- Muraki AS See Randall BC
- Muraki M See Kawahara N
- Muramatsu T; Mashimo M; Miyamae T; et al: rare collateral pathway in superior vena cava obstruction: the development of the venous shunts between systemic veins and the left heart, *Clin Nucl Med* 1987; 12: 241
- Muramatsu Y See Takayasu K
- Muramatsu Y: peripheral low-density area of hepatic tumors: CT-pathologic correlation: reply, *Radiology* 1987; 162: 876
- Muramatsu Y; Takayasu K; Moriyama N; Shima Y; Goto H; Ushio K; Yamada T; Hasegawa H; Koyama Y; Hirohashi S: peripheral low-density area of hepatic tumors: CT-pathologic correlation, *Radiology* 1986; 160: 49
- Murari FJ See Dachman AH
- Murari FJ See Ross FR
- Murata K See Kusano S
- Murata K See Senda M
- Murata K; Itoh H; Senda M; Noma S; Todo G; Yonekura Y; Nishimura K; Izumi T; Oshima S; Torizuka K: stripe sign in pulmonary perfusion scintigraphy: central pattern of pulmonary emphysema. work in progress, *Radiology* 1986; 160: 337
- Murata K; Itoh H; Senda M; Todo G; Yonekura Y; Torizuka K: ventilation imaging with positron emission tomography and nitrogen 13, *Radiology* 1986; 158: 303
- Murata K; Itoh H; Todo G; et al: bronchial venous plexus and its communication with pulmonary circulation, *Invest Radiol* 1986; 21: 24
- Murata K; Itoh H; Todo G; Kanaoka M; Noma S; Itoh T; Furuta M; Asamoto H; Torizuka K: centrilobular lesions of the lung: demonstration by high-resolution CT and pathologic correlation, *Radiology* 1986; 161: 641
- Murata K; Khan A; Rojas KA; et al: optimization of computed tomography technique to demonstrate the fine structure of the lung, *Invest Radiol* 1988; 23: 170
- Murata T See Sogawa M
- Murayama S See Kawashima A
- Murayama S; Haruta R: sonographic detection of small intestinal subserosal lymphofollicular hyperplasia, *J Ultrasound Med* 1986; 5: 217
- Murayama S; Tsukamoto Y; Watanabe H; et al: computed tomography of residual hepatomas following transcatheter arterial embolization, *JCAT* 1986; 10: 969
- Murdock DK See Piao ZE
- Mures C; Willbrand H: anatomic variations of the human cochlear aqueduct: radioanatomic investigation, *Acta Radiol* 1986; 27: 11
- Muresan LV See Peters TM
- Muri M See Hennig J
- Murphy LR See Smith AS
- Murphy M See Kaplan PA
- Murphy MD See Wetzel LH
- Murphy A See Robertson R
- Murphy AM; Robertson RJ; Dubbins PA: duplex ultrasound in the assessment of renal transplant complications, *Clin Radiol* 1987; 38: 229
- Murphy B See Castillo M
- Murphy BJ; Casillas J; Becerra JL: retrocaval ureter: computed tomography and ultrasound appearance, *CT* 1987; 11: 89
- Murphy BJ; Casillas J; Yrizarry JM: traumatic adrenal hemorrhage: radiologic findings, *Radiology* 1988; 169: 701
- Murphy DJ Jr See O'Laughlin MP
- Murphy DJ Jr; Memula N; Does LL: ¹²⁵I nomogram system for single plane implants, *Int J Radiat Oncol Biol Phys* 1986; 12: 267
- Murphy FB See Steinberg HV
- Murphy FB; Barefield KP; Steinberg HV; et al: CT- or sonography-guided biopsy of the liver in the presence of ascites: frequency of complications, *AJR* 1988; 151: 485
- Murphy FB; Bernardino ME: MR imaging of focal hemochromatosis, *JCAT* 1986; 10: 1044
- Murphy FB; Steinberg HV; Shires GT III; et al: Budd-Chiari syndrome: review, *AJR* 1986; 147: 9
- Murphy G; Campbell DR; Fraser DB: pain in peripheral arteriography: an assessment of conventional versus ionic and non-ionic low-osmolality contrast agents, *J Canad Assoc Radiol* 1988; 39: 103
- Murphy GF See Raymond AK
- Murphy GP See Hafermann MD
- Murphy GP See Lee F
- Murphy K See Traugher PD
- Murphy LL See Wang Y
- Murphy MJ See Ogden JA
- Murphy PA See Bitar RA
- Murphy PH See Wendt RE III
- Murphy PH: acceptance testing and quality control of gamma cameras, including SPECT, *J Nucl Med* 1987; 28: 1221
- Murphy PH: guidelines for radiation protection, *Semin Nucl Med* 1986; 16: 131
- Murphy SB; Kijewski PK; Mills MB; et al: planning of orthopedic reconstructive surgery using computer-aided simulation and design, *Comput Med Imag Graph* 1988; 12: 33
- Murphy SB; Simon SR; Kijewski PK; et al: femoral anteversion, (ab), *Radiology* 1988; 167: 589
- Murphy W See Shuab A
- Murphy WA See Gohagan JK
- Murphy WA See Reins WR
- Murphy WA See Rholl KS
- Murphy WA See Totty WG
- Murphy WA See Vogler JB III
- Murphy WA See Wilson AJ
- Murphy WA; Totty WG; Carroll JE: MRI of normal and pathologic skeletal muscle, *AJR* 1986; 146: 565
- Murphy WA Jr; Freiburger RH; Vogler JB III: musculoskeletal radiology: RSNA '87 meeting notes, *Radiology* 1988; 166: 922
- Murray BL See du Cret RP
- Murray DR See Sanchez FW
- Murray JA See Foderaro AE
- Murray JA See Seider MJ
- Murray JF; Garay SM; Hopewell PC; et al: pulmonary complications of the acquired immunodeficiency syndrome: an update: report of the second National Heart, Lung and Blood Institute workshop, (ab), *Radiology* 1987; 164: 588

Murray

- Murray JL See Babalan RJ
 Murray JL; Rosenblum MG; Lamki L; et al: clinical parameters related to optimal tumor localization of indium-111-labeled mouse antineoplastic monoclonal antibody ZME-018, *J Nucl Med* 1987; 28: 25
 Murray K; Nixon GW: epiphyseal growth plate: evaluation with modified coronal CT, *Radiology* 1988; 166: 263
 Murray PA; Hall PA: histiocytosis X mimicking recurrent malignant disease: a report of two cases, *Clin Radiol* 1988; 39: 310
 Murray RR See Hewes RC
 Murray RR See Widlus DM
 Murray RR Jr; Hewes RC; White RI Jr; Mitchell SE; Auster M; Chaw R; Kadir S; Kinnison ML; Kaufman SL: long-segment femoropopliteal stenosis: is angioplasty a boon or a bust?, *Radiology* 1987; 162: 473
 Murray TG See Shusterman N
 Murray TM See Meema HE
 Murray W See Quinn SF
 Murray WT See Bodne D
 Murray WT See Quinn SF
 Murtagh FR See Anderson SC
 Murtagh FR See Clarke LP
 Murtagh FR See Kaffenberger DA
 Murtagh FR See Nokes SR
 Murtagh FR See Reynolds H
 Murthy AK; Taylor SG; Showell J; et al: treatment of advanced head and neck cancer with concomitant radiation and chemotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1807
 Murugasu R See White MA
 Musante F; Derchi LE: spontaneous resolution of unilateral hematoma in a patient with bicornuate uterus: sonographic findings, *JCU* 1986; 14: 307
 Muschik H See Hruby W
 Muschler G See Harms SE
 Musmeche CA See Kosloske AM
 Mu-Sheng T; Partridge J; Radford D: plain chest radiograph in uncomplicated Epstein's disease, *Clin Radiol* 1986; 37: 551
 Mushlin PS See Lind LJ
 Muskett AD See Simons MA
 Musset D See Grenier P
 Musset D; Grenier P; Carrette MF; Fria J; Haury MP; Desbieds MT; Girard P; Bigot JM; Lallemand D: primary lung cancer staging: prospective comparative study of MR imaging with CT, *Radiology* 1986; 160: 607
 Musset D; Rosso J; Pettipretz P; Girard P; Haury MP; Simonneau G; Labrune M; Duroux P: acute pulmonary embolism: diagnostic value of digital subtraction angiography, *Radiology* 1988; 166: 455
 Mustafa AA; Vasiht CM; Sumanasekara SJ: analysis of wasted x-ray films: experience in two Kuwait hospitals, *Br J Radiol* 1987; 60: 513
 Muthiah HL; Inbasekaran M; Wieland AD; et al: development of a kit-form analog of metadobenzylguanidine, *J Nucl Med* 1986; 27: 256
 Muthiah R See Udayachander M
 Muto H See Shima S
 Muus C See Quinn SF
 Myerly KF; Kirchner PT: renal scintigraphic findings in a case of transplant renal vein thrombosis, *Clin Nucl Med* 1988; 13: 426
 Myerowitz PD See Swanson DK
 Myers CC See Lichter AS
 Myers D See De Campo JF
 Myers EM See Iko BO
 Myers J See Shin MS
 Myers JL See Katzenstein A-LA
 Myers JL See Kennedy JL
 Myers JL; Kennedy JL; Plumb VJ: amiodarone lung: pathologic findings in clinically toxic patients, (ab), *Radiology* 1987; 165: 295
 Myers JL; Veal CF Jr; Shin MS; et al: respiratory bronchiolitis causing interstitial lung disease: a clinicopathologic study of six cases, (ab), *Radiology* 1987; 165: 296
 Myers MG; McGuinness GA; Lachenbruch PA; et al: respiratory illnesses in survivors of infant respiratory distress syndrome, (ab), *Radiology* 1986; 161: 576
 Myers MJ See Finn JP
 Myers RT See Gelfand DW
 Myers TV See Tsai FY
 Myers WG; Dahl JR; Graham MC: krypton-79m: new radionuclide for applications in nuclear medicine, *J Nucl Med* 1986; 27: 1436
 Myers WO; Gersh BJ; Fisher LD; et al: time to first new myocardial infarction in patients with mild angina and three-vessel disease comparing medicine and early surgery: a CAS registry study of survival, (ab), *Radiology* 1988; 166: 294
 Myerson RJ See Pilchik MV
 Mygind T See Thomsen HS
 Myint S See West-Jordan JA
 Myricle MR See McGahan JP

- Myricle MR; McGahan JP; Goetzman BW; et al: ultrasound diagnosis of renal calcification in infants on chronic furosemide therapy, *JCU* 1986; 14: 281
 Myung H See Chang KH
 Na A-T See Chau W-K
 Nabatame H; Fukuyama H; Akiguchi I; et al: spinocerebellar degeneration: qualitative and quantitative MR analysis of atrophy, *JCAT* 1988; 12: 298
 Nabors MW; Azzam CJ; Albanna FJ; et al: delayed postoperative dural arteriovenous malformations: report of two cases, (ab), *Radiology* 1988; 166: 590
 Nabors MW; Pait TG; Byrd EB; et al: updated assessment and current classification of spinal meningeal cysts, (ab), *Radiology* 1988; 169: 887
 Nadel AS See Benacerraf BR
 Nadel HR See Silver SF
 Nadel L; Baumgartner BR; Bernardino ME: percutaneous renal biopsies: accuracy, safety, and indications, *Urol Radiol* 1986; 8: 67
 Nadel S See Reinsu WR
 Nadel S; St. Amour TE; Kyriakos M: asymptomatic woman with unilateral urethelial lesions, *Urol Radiol* 1987; 9: 57
 Nadel SN See Siegel MJ
 Nadel SN; Greene AS; White RI Jr; et al: measurement of peripheral blood flow by thermomodulation techniques, *Invest Radiol* 1986; 21: 631
 Nadel JA See Fleming MS
 Nadel JM See Baber WW
 Nadel JM See Numaguchi Y
 Nadezhina NM: experience of a specialised centre in the organisation of medical care of persons exposed during a nuclear reactor accident, *Br J Radiol* 1987; 60: 1169
 Nadji M See Nunez D Jr
 Naessens MH See Verbanck JJ
 Naeser MA See Koff E
 Naftaliadis P See Brahme A
 Naftalin NJ See Khanna S
 Nag S; Shah V: once-a-week lower hemibody irradiation (HBI) for metastatic cancers, *Int J Radiat Oncol Biol Phys* 1986; 12: 1003
 Nagai GR; Pitts WC; Basso L; et al: scintigraphic hot nodules and thyroid carcinoma, *Clin Nucl Med* 1987; 12: 123
 Nagai H See Itai Y
 Nagai T See Takahashi I
 Nagao H See Sano N
 Nagasaki M See Hayashi K
 Nagata K; Basugi N; Fukushima T; et al: quantitative study of physiological cerebral atrophy with aging: a statistical analysis of the normal range, *Neuroradiol* 1987; 29: 327
 Nagata Y See Arikawa A
 Nagata Y See Hiraoka M
 Nagatomo Y See Imamura T
 Nagatomo Y; Imamura T; Koizawa Y; et al: thallium-201 and gallium-67 myocardial scintigraphy for the evaluation of sarcoid involvement, *Clin Nucl Med* 1987; 12: 335
 Nagayama Y See Yokoyama N
 Nagel JS See Tumeh SS
 Nagel JS See Zollars LE
 Nagel JS; Johnson KA; Ichise M; et al: decreased iodine-123 IMP caudate nucleus uptake in patients with Huntington's disease, *Clin Nucl Med* 1988; 13: 486
 Naggar CZ; Pearson WN; Seljan MP; et al: frequency of complications of mitral valve prolapse in subjects aged 60 years and older, (ab), *Radiology* 1987; 164: 292
 Nagi B; Duggal R; Gupta R; et al: tuberculous peritonitis in children, *Pediatr Radiol* 1987; 17: 282
 Nagle CE See Morayati SJ
 Nagle CE: cost appropriateness of whole body vs limited bone imaging for suspected focal sports injuries, *Clin Nucl Med* 1986; 11: 469
 Nagle CE; Morayati SJ; LeDuc MA: skull infarction in a patient with malignant fibrous histiocytoma, *Clin Nucl Med* 1987; 12: 735
 Naglie RA See Bozynski ME
 Nagy A See Szasz JJ
 Nagy AG See Becker CD
 Nagy AG See Gibney RG
 Nagy B; Grdina DJ: protective effects of 2-(aminopropyl)amine)ethanethiol against bleomycin and nitrogen mustard-induced mutagenicity in V79 cells, *Int J Radiat Oncol Biol Phys* 1986; 12: 1475
 Naheedy MH See Azar-Kia B
 Naheedy MH See Mercht MP
 Naheedy MH; Haaga JR; Azar-Kia B; et al: MRI and CT of sellar and parasellar disorders, *Radiol Clin North Am* 1987; 25: 819

- Nahmias C; Cockshott WP; Belbeck LW; et al: measurement of absolute bone blood flow by positron emission tomography, *Skeletal Radiol* 1986; 15: 198
 Nahum H See Grenier P
 Nahum H See Menu Y
 Naidech HJ See Altin RS
 Naidech DP See Balthazar EJ
 Naidech DP See Leitman BS
 Naidech DP See Rumancik WM
 Naidech DP See Zerhouni EA
 Naidech DP See Zinn WL
 Naidech DP; Garay SM; Leitman BS; et al: radiographic manifestations of pulmonary disease in the acquired immunodeficiency syndrome (AIDS), *Semin Roentgenol* 1987; 22: 14
 Naidech DP; Lee J-J; Garay SM; et al: comparison of CT and fiberoptic bronchoscopy in the evaluation of bronchial disease, *AJR* 1987; 148: 1
 Naidech DP; Rumancik WM; Ettenger NA; et al: congenital anomalies of the lungs in adults: MR diagnosis, *AJR* 1988; 151: 13
 Naidech DP; Rumancik WM; Lefleur RS; et al: intralobar pulmonary sequestration: MR evaluation, *JCAT* 1987; 11: 531
 Naidech DP; Zinn WJ; Ettenger NA; McCauley DJ; Garay SM: basilar segmental bronchi: thin-section CT evaluation, *Radiology* 1988; 169: 11
 Naidech JB See Fishman MC
 Naidech JB See Gould ES
 Naidech JB See Naidech TP
 Naidech JB; Feinberg AW; Karp-Harman H; Karmel MI; Tuma CG; Stein HL: contrast venography: reassessment of its role, *Radiology* 1988; 168: 97
 Naidech JB; Karmel MI; Mossey RT; Bluestone PA; Stein HL: osteoarthropathy of the hand and wrist in patients undergoing long-term hemodialysis, *Radiology* 1987; 164: 205
 Naidech JB; Karmel MI; Stein HL; Mossey RT; Bluestone PA: articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis: reply, *Radiology* 1988; 166: 285
 Naidech JB; Mossey RT; McHeffey-Atkinson B; Karmel MI; Bluestone PA; Mailloux LU; Stein HL: spondyloarthropathy from long-term hemodialysis, *Radiology* 1987; 164: 761
 Naidech JB; Rackson ME; Mossey RT; Stein HL: nondilated obstructive uropathy: percutaneous nephrostomy performed to reverse renal failure, *Radiology* 1986; 160: 653
 Naidech JB; Rackson ME; Stein HL; Mossey RT: nondilated obstructive uropathy: reply, *Radiology* 1987; 162: 879
 Naidech TP See Byrd SE
 Naidech TP See Gusnard DA
 Naidech TP See Nelson MD Jr
 Naidech TP See Quencer RM
 Naidech TP See Radkowski MA
 Naidech TP See Schlesinger AE
 Naidech TP See Weese-Mayer DE
 Naidech TP; Cacayorin ED; Stewart WA; et al: germinal-cell tumor of the pineal gland, *AJR* 1986; 146: 1246
 Naidech TP; Daniels DL; Haughton VM; Pech P; Williams AL; Pajunas KW; Palacios E: hippocampal formation and related structures of the limbic lobe: anatomic-MR correlation, part II. sagittal sections, *Radiology* 1987; 162: 755
 Naidech TP; Daniels DL; Haughton VM; Williams AL; Pajunas KW; Palacios E: hippocampal formation and related structures of the limbic lobe: anatomic-MR correlation, part I. surface features and coronal sections, *Radiology* 1987; 162: 747
 Naidech TP; Daniels DL; Pech P; Haughton VM; Williams AL; Pajunas KW: anterior commissure: anatomic-MR correlation and use as a landmark in three orthogonal planes, *Radiology* 1986; 158: 421
 Naidech TP; Osborn RE; Bauer B; et al: median cleft face syndrome: MR and CT data from 11 children, *JCAT* 1988; 12: 57
 Naidech TP; Radkowski MA; Britton J: real-time sonographic display of caudal spinal anomalies, *Neuroradiol* 1986; 28: 512
 Naidech TP; Radkowski MA; McLone DG; Leestma J: chronic cerebral herniation in shunted Dandy-Walker malformation, *Radiology* 1986; 158: 431
 Naidech TP; Yousefzadeh DK; Gusnard DA: sonography of the normal neonatal head: supratentorial structures: state-of-the-art imaging, *Neuroradiol* 1986; 28: 408
 Naidech TP; Yousefzadeh DK; Gusnard DA; Naidech JB: sonography of the internal capsule and basal ganglia in infants: part II: localization of pathologic processes in the sagittal section through the caudothalamic groove, *Radiology* 1986; 161: 615
 Naidu S See Kumar AJ

- Naik DR; Bolla A; Boon AW:** demonstration of a lactobezoar by ultrasound, *Br J Radiol* 1987; 60: 506
- Naik G See Williams MP**
- Naimark A See Allard JC**
- Naimark A See Felson DT**
- Naimuddin S See Hasegawa BH**
- Naim-Ur-Rahaman See Kolawole TM**
- Naim-Ur-Rahaman:** chronic subdural hematoma: correlation of computerized tomography with colour, *Neuroradiol* 1987; 29: 40
- Naim-Ur-Rahaman; Abdullah AK; Hawass N-E-D; et al:** cranial and epidural mycetoma caused by streptomyces somaliensis, *Neuroradiol* 1987; 29: 95
- Nair KM See Finn JP**
- Nalaby GP:** case report: Gartner's duct associated with diverticulosis of the Fallopian tubes, *Clin Radiol* 1987; 38: 207
- Naito H See Imakita S**
- Najararian JS See Letourneau JG**
- Najarian KE; Kurtz AB:** new observations in the sonographic evaluation of intrauterine contraceptive devices, *J Ultrasound Med* 1986; 5: 205
- Nakabayashi K See Mano I**
- Nakada T See Arasaki K**
- Nakada T See Kwee IL**
- Nakada T; Kwee IL:** noninvasive evaluation of effects of an aldose reductase inhibitor in rat brain by ^{18}F FDG NMR spectroscopy, *Magn Res Med* 1987; 4: 366
- Nakada T; Kwee IL; Card PJ; et al:** fluorine-19 NMR imaging of glucose metabolism, *Magn Res Med* 1988; 6: 307
- Nakada T; Kwee IL; Griffey BV; Griffey RH:** F-19 MR imaging of glucose metabolism in the rabbit, *Radiology* 1988; 168: 823
- Nakada T; Kwee IL; Miyazaki T; et al:** ^{31}P NMR spectroscopy of the stomach by zig-zag coil, *Magn Res Med* 1987; 5: 449
- Nakagawa H See Adachi H**
- Nakagawa N; Takahashi M; Kohrogi Y; et al:** neuroradiologic findings of hypothalamic hamartoma with emphasis on computed tomography, *CT* 1986; 10: 77
- Nakagawa N; Takahashi M; Maeda K; et al:** case report: adrenal haemangioma coexisting with malignant haemangioendothelioma, *Clin Radiol* 1986; 37: 97
- Nakagawa S See Imamura T**
- Nakagawa T See Echizenya K**
- Nakagawa T See Tonami H**
- Nakagawa T See Touho H**
- Nakai H See Matsuda H**
- Nakajima H; Ushigome S; Fukuda J:** case report 482, *Skeletal Radiol* 1986; 17: 289
- Nakajima K; Bunko H; Tonami N; et al:** congenitally corrected transposition of the great arteries associated with pre-excitation syndrome, *Clin Nucl Med* 1986; 11: 564
- Nakajima K; Bunko H; Tonami N; et al:** length-based Fourier analysis in the pre-excitation syndrome, *J Nucl Med* 1986; 27: 1131
- Nakajima K; Tonami N; Hisada K; et al:** bile leakage over the hepatic surface detected by hepatobiliary imaging, *Clin Nucl Med* 1986; 11: 358
- Nakajima N See Tamura K**
- Nakajima Y See Suzuki S**
- Nakajo M See Uchiyama N**
- Nakajo M; Kobayashi H; Shimabukuro K; et al:** biodistribution and in vivo kinetics of iodine-131 lipiodol infused via the hepatic artery of patients with hepatic cancer, *J Nucl Med* 1988; 29: 1066
- Nakajo M; Shimabukuro K; Yoshimura H; et al:** iodine-131 metaiodobenzylguanidine intra- and extravascular accumulation in the rat heart, *J Nucl Med* 1986; 27: 84
- Nakamura H; Hashimoto T; Akashi H; et al:** distinctive CT findings of unusual mesenteric cysts, *JCAT* 1987; 11: 1024
- Nakamura H; Hashimoto T; Oi H; et al:** balloon-occluded arterial portography using prostaglandin E₁: improved visualization of the intrahepatic portal vein, *Cardiovasc Intervent Radiol* 1987; 10: 264
- Nakamura H; Hashimoto T; Oi H; et al:** hepatic embolization through portal collaterals: balloon occlusion technique, *AJR* 1987; 148: 626
- Nakamura H; Hashimoto T; Oi H; Sawada S:** iodized oil in the portal vein after arterial embolization, *Radiology* 1988; 167: 415
- Nakamura H; Kondoh H:** emphysematous cholecystitis: complication of hepatic artery embolization, *Cardiovasc Intervent Radiol* 1986; 9: 152
- Nakamura K See Nishimura Y**
- Nakamura N See Sakai H**
- Nakamura R See Hayakawa K**
- Nakamura S See Kimura A**
- Nakamura T See Kadoya S**
- Nakamura T See Moriyasu F**
- Nakamura T; Yamada N; Nonaka R; et al:** autosomal dominant type of endosteal hyperostosis with unusual manifestations of sclerosis of the jaw bones, *Skeletal Radiol* 1987; 16: 48
- Nakamura Y See Honda H**
- Nakano H; Nojima K; Saito A; et al:** high incidence of aortic regurgitation following Kawasaki disease, (ab), *Radiology* 1986; 158: 283
- Nakano H; Ueda K; Saito A; et al:** Doppler detection of tricuspid regurgitation following Kawasaki disease, *Pediatr Radiol* 1986; 16: 123
- Nakano S; Kinoshita K:** MR of cellular blue nevus, *AJNR* 1988; 9: 807
- Nakano Y See Fujisawa I**
- Nakano Y See Hayashi N**
- Nakano Y See Itoh K**
- Nakano Y See Minami S**
- Nakano Y See Nishimura K**
- Nakano Y See Noma S**
- Nakano Y See Togashi K**
- Nakano Y; Hiraoka T; Togashi K; et al:** direct radiographic magnification with computed radiography, *AJR* 1987; 148: 569
- Nakano Y; Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Adachi H; Itoh H; Torizuka K:** stomach and duodenum: radiographic magnification using computed radiography (CR), *Radiology* 1986; 160: 383
- Nakao K; Miyata M; Takenaka H; et al:** intraoperative ultrasonographic diagnosis of Budd-Chiari syndrome, *JCU* 1986; 14: 562
- Nakao N See Suesada Y**
- Nakao N; Ishikura R; Miura K; et al:** transcatheter arterial embolization in hepatoma complicated with obstructive jaundice, *Cardiovasc Intervent Radiol* 1987; 10: 40
- Nakao N; Miura K; Takahashi H; Ohnishi M; Miura T; Okamoto E; Ishikawa Y:** hepatocellular carcinoma: combined hepatic, arterial, and portal venous embolization, *Radiology* 1986; 161: 303
- Nakao S; Come PC; McKay RG; et al:** effects of positional changes on inferior vena caval size and dynamics and correlations with right-sided cardiac pressure, (ab), *Radiology* 1987; 164: 589
- Nakase H; Hisanaga M; Hashimoto S; et al:** intraventricular arachnoid cyst: report of two cases, (ab), *Radiology* 1988; 169: 887
- Nakashima T See Ichiiya Y**
- Nakashima T See Sakahara H**
- Nakashima Y; Unni KK; Shives TC; et al:** mesenchymal chondrosarcoma of bone and soft tissue: review of 111 cases, (ab), *Radiology* 1986; 161: 575
- Nakasone S See Satoh T**
- Nakata H See Hanada K**
- Nakata H; Ishimaru H; Nakayama C; et al:** computed tomography for preoperative evaluations of lung cancer, *CT* 1986; 10: 147
- Nakata H; Sato Y; Nakayama T; et al:** bronchogenic cyst with high CT number: analysis of contents, *JCAT* 1986; 10: 360
- Nakayama C See Nakata H**
- Nakayama F See Miyazaki K**
- Nakayama F See Yoshimoto H**
- Nakayama S; Sakata J; Kusumoto S; et al:** ultrasonic appearance of the liver in hepatic venous outflow obstruction (Budd-Chiari syndrome): case of pseudohepatic infarct associated with Behcet's disease, *JCU* 1986; 14: 300
- Nakayama T See Hanada K**
- Nakayama T See Nakata H**
- Nakiely RA See Downey DB**
- Nakiely RA See Sampson MA**
- Nakstad P See Skaltei IO**
- Nakstad P:** myelographic findings in cervical spines without degenerative changes: special reference to sagittal diameter of the dorsal sac, *Neuroradiol* 1987; 29: 256
- Nakstad P:** spontaneous occlusion of traumatic pericallosal aneurysm and pericallosal artery, *Neuroradiol* 1987; 29: 312
- Nakstad PH See Bakke SJ**
- Nakstad PH; Bakke SJ; Kjartansson O; et al:** intra-arterial digital subtraction angiography of the carotid arteries: special reference to contrast media, *Neuroradiol* 1986; 28: 195
- Nakstad PH; Bakke SJ; Kjartansson O; et al:** Omnipaque vs. Hexabrix in intravenous DSA of the carotid arteries: randomized double-blind crossover study, *AJNR* 1986; 7: 303
- Nakstad PH; Nornes H; Hauge HN:** traumatic aneurysms of the pericallosal arteries, *Neuroradiol* 1986; 28: 335
- Nalesnik M See Harris KM**
- Nally JV Jr; Clarke HS Jr; Gupta BK; et al:** captopril renography in two kidney and one kidney Goldblatt hypertension in dogs, *J Nucl Med* 1987; 28: 1171
- Nambu M See Mano I**
- Nancarrow PA See Taylor GA**
- Nancarrow PA; Edwards DK:** kinked catheters: radiographic appearance of functionally significant bends, *AJR* 1986; 146: 789
- Nancarrow PA; Fellows KE; Lock JE:** stability of coil emboli: an in vitro study, *Cardiovasc Intervent Radiol* 1987; 10: 226
- Nancarrow PA; Lock JE; Fellows KE:** embolization of an intracranial arteriovenous malformation, *AJR* 1986; 146: 785
- Nance EP Jr See Kaye JJ**
- Nance EP Jr; Kaye JJ; Callahan LF; et al:** observer variation in quantitative assessment of rheumatoid arthritis: part I. scoring erosions and joint space narrowing, *Invest Radiol* 1986; 21: 922
- Nance FN See Lieberman RP**
- Nanda KK See Manna RA**
- Nanda N See Steiner RM**
- Nannery SM See Leonard JC**
- Nanton MA See Belcourt CL**
- Napoli V See Ferri G**
- Narabara KA; Thompson CJ; Maubiant JC; et al:** estimation of left ventricular mass in normal and infarcted canine hearts using thallium-201 SPECT, *J Nucl Med* 1987; 28: 1315
- Narang AK; Dina TS:** cerebral mucormycosis: a case report, *Comput Med Imag Graph* 1988; 12: 259
- Narasimham DL See Jacobson BF**
- Narayan P See Hricak H**
- Narayan P See Lange PH**
- Narayan P See Raval B**
- Narayana PA See Kulkarni MV**
- Narayana P; Brey WW; Kulkarni MV; et al:** compensation for surface coil sensitivity variation in magnetic resonance imaging, *Magn Res Imag* 1988; 6: 271
- Narayana PA; Delayre JL; Liak LK:** in vivo ^{31}P NMR studies of avian dystrophic muscles, *Magn Res Med* 1986; 3: 549
- Narayana PA; Hazle JD; Jackson EF; et al:** in vivo ^1H spectroscopic studies of human gastrocnemius muscle at 1.5 T, *Magn Res Imag* 1988; 6: 481
- Narayana PA; Wolinsky JS; Jensen DJ:** magnetic resonance imaging of experimental mumps meningoencephalitis in suckling hamsters, *Magn Res Med* 1987; 4: 597
- Nardi GL See White EM**
- Nardi P See Price DB**
- Narita N See Yoshimura H**
- Narila LD; Slovis TL; Watts FB; et al:** renal lesions of tuberculous (cysts and angiomatous) — screening with sonography and computerized tomography, *Pediatr Radiol* 1988; 18: 205
- Narumi Y; Sato T; Kuriyama K; et al:** computed tomographic diagnosis of enterovascular fistulae: barium evacuation method, *Gastrointest Radiol* 1988; 13: 233
- Narumi Y; Sato T; Kuriyama K; Fujita M; Saiki S; Kuroda M; Miki T; Kotake T:** vesical dome tumors: significance of extravascular extension on CT, *Radiology* 1988; 169: 383
- Naruse S See Tanaka C**
- Naruse S; Horikawa Y; Tanaka C; et al:** significance of proton relaxation time measurement in brain edema, cerebral infarction and brain tumors, *Magn Res Imag* 1986; 4: 293
- Naruse S; Horikawa Y; Tanaka C; Higuchi T; Sekimoto H; Ueda S; Hirakawa K:** evaluation of the effects of photoradiation therapy on brain tumors with in vivo P-31 MR spectroscopy, *Radiology* 1986; 168: 827
- Nasimben O See Conte G**
- Naseem M; Hood JD; Devasthali R:** traumatic pneumocephalus caused by stab wound to the neck, *AJNR* 1986; 7: 174
- Naseem M; Leehy P; Russell E; et al:** MR of basilar artery dolichoectasia, *AJNR* 1988; 9: 391
- Naseem M; Zachariah SB; Stone J; et al:** cervicomedullary hematoma: diagnosis by MR, *AJNR* 1986; 7: 1096
- Nash JD; Burke TW; Woodward JE; et al:** diagnosis of recurrent gynecologic malignancy with fine-needle aspiration cytology, (ab), *Radiology* 1988; 169: 290
- Nash JK See Kenney KR**
- Nash P See Allwright SJ**
- Naslund EB See Riehle RA Jr**
- Nasrallah FF See Bruno AN**
- Nass R See Lee BCP**
- Nassar R See Hedlund LW**
- Nassiri DK See Nicholas D**
- Nasu H See Ishida H**
- Nath PH See Adey CK**
- Nath PH See Breatnach ES**
- Nath PH See Keller FS**
- Nath PH See Sanders C**
- Nath PH; Jaques PF; Soto B; et al:** aortic dissection masquerading as gastrointestinal disease, *Cardiovasc Intervent Radiol* 1986; 9: 37
- Nath R See Meli JA**
- Nath R; Bongiorno P; Rockwell S:** enhancement of IUD radiolensitization by low energy photons, *Int J Radiat Oncol Biol Phys* 1987; 13: 1071

- Nath R; Gray L: dosimetry studies on prototype ²⁴¹Am sources for brachytherapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 897
- Nath R; Martin DF; Park CH; et al: development of an ²⁴¹Am applicator for continuous low-dose-rate irradiation of the rat sarcoma BA1112. *Int J Radiat Oncol Biol Phys* 1987; 13: 1883
- Nath R; Peschel RE; Park CH; et al: development of an ²⁴¹Am applicator for intracavitary irradiation of gynecologic cancers. *Int J Radiat Oncol Biol Phys* 1988; 14: 969
- Nathan E See Carlson O
- Nathanson SD; Haas GP; Bobrowski R; et al: regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice. *Int J Radiat Oncol Biol Phys* 1987; 13: 243
- Nathani BN See Burke JS
- Nauck CJ See Rana PD
- Nauert C See Lee Y-Y
- Nauerth A See Hennig J
- Naull LG See Jackson JA
- Naunheim K See Sundaram M
- Naunheim KS See Little AG
- Naunheim KS; Taylor JR; Skosey C; et al: adenocarcinoma lung carcinoma: clinical characteristics, treatment, and prognosis. (ab). *Radiology* 1988; 167: 884
- Nauta HJ See Debrun GM
- Nauta HJW See Mirfakhraee M
- Navab F See Williamson MR
- Navarro D See Lear JL
- Navarro DA; Weber FM; Kang IY; et al: indium-111 leukocyte imaging in appendicitis. *AJR* 1987; 148: 733
- Navarro JL See Susman MH
- Naveh Y See Kaffori JK
- Naves JL See Shourouq GW
- Navon G See Shinar H
- Navon G; Panigier R; Valensin G: liposomes containing paramagnetic macromolecules as MRI contrast agents. *Magn Res Med* 1986; 3: 876
- Nawaz K See Abu-Nema T
- Nawaz K; Hamad MM; Sadek S; et al: dynamic lymph flow imaging in lymphedema: normal and abnormal patterns. *Clin Nucl Med* 1986; 11: 653
- Nawaz MK See Abdel-Dayem HM
- Nawaz MK; Al-Suhaili AR; Johnny KV; et al: nephrostomy tube communication with renal vein: demonstration by antegrade contrast and radioisotopic pyelographic examination. *Clin Nucl Med* 1987; 12: 665
- Naylor GL See Firmin DN
- Naylor GL; Firmin DN; Longmore DB: blood flow imaging by cine magnetic resonance. *JCAT* 1986; 10: 715
- Naylor B See Francis IR
- Nazintsky KJ; Gold BM: radiology—then and now. *AJR* 1988; 151: 249
- Nedosi BN: biliary lithiasis in Dar Es Salaam, Australia. *Radiol* 1987; 31: 292
- Neagley SR; Vought MB; Weidner WA; et al: transient oxygen desaturation following radiographic contrast medium administration. (ab). *Radiology* 1986; 161: 576
- Neal J See Goldman SM
- Neal MP Jr: general case of the day: annual meeting. 1987. *Radiographics* 1988; 8: 993
- Nealon TF See Barone JE
- Nedzelaki JM See Willinsky RA
- Nedzelaki JM; Canter RJ; Kassel EE; et al: is no treatment good treatment in the management of acoustic neuromas in the elderly? (ab). *Radiology* 1987; 163: 592
- Needell GS See Noshier JL
- Needell WM; Maravilla RC: MR flow imaging in vascular malformations using gradient recalled acquisition. *AJNR* 1988; 9: 637
- Needleman BW See Austin CB
- Needleman L See Bezzi M
- Needleman L See Hertzberg BS
- Needleman L See Mitchell DG
- Needleman L See Pennell RG
- Needleman L See Rifkin MD
- Needleman L See Wachler RJ
- Needleman L; Gardner GA Jr; Levin DC: hypertrophic cardiomyopathy: changing concepts over the last two decades. *AJR* 1988; 150: 1219
- Needleman L; Kurtz AB: Doppler evaluation of the renal transplant. *JCU* 1987; 15: 661
- Needleman L; Kurtz AB; Rifkin MD; et al: sonography of diffuse benign liver disease: accuracy of pattern recognition and grading. *AJR* 1986; 146: 1011
- Needleman L; Rifkin MD: vascular ultrasonography: abdominal applications. *Radiol Clin North Am* 1986; 24: 461
- Neely JE See Cheung N-KV
- Neeman A; Koren A; Reiss R; et al: complete transection of the common bile duct diagnosed by endoscopic retrograde cholangiography. *Gastrointest Radiol* 1988; 13: 167
- Neeman M; Rushkin E; Kadouri A; et al: adaptation of culture methods for NMR studies of anchorage-dependent cells. *Magn Res Med* 1988; 7: 236
- Neerhout RC See Ridgway D
- Neff CC See Casola G
- Neff CC See Quinn SF
- Neff CC See vanSonnenberg E
- Neff CC See White EM
- Neff CC; splenobronchial fistula: interventional radiologic management. *Gastrointest Radiol* 1987; 12: 197
- Neff CC: use of fentanyl and diazepam for special procedures. *Radiology* 1988; 166: 581
- Neff CC; Pfister RC: pharmacologic treatment of contrast media reactions: reply. *Radiology* 1987; 165: 876
- Neff CC; vanSonnenberg E; Casola G; Wittich GR; Hoyt DB; Halasz NA; Martini DJ: diverticular abscesses: percutaneous drainage. *Radiology* 1987; 163: 15
- Neff JR See Lee KR
- Neff JR See Levine E
- Neff JR See Lindaley HB
- Negoro M See Kobayashi T
- Nells EW: radiologic manifestations of amyloidosis (a reverse gamut). *Semin Roentgenol* 1986; 21: 99
- Neiman HL See Kelgley B
- Neiman HL See Mendelson EB
- Neiman RS See O'Murchadha MT
- Neimann J-L See Boulay F
- Neirinx RD See Leonard J-P
- Neirinx RD See Roddie ME
- Neirinx RD; Canning LR; Piper IM; et al: technetium-99m d,l-HM-PAO: new radiopharmaceutical for SPECT imaging of regional cerebral blood perfusion. *J Nucl Med* 1987; 28: 191
- Neisius D See Becht E
- Neithamer CD See Davis SD
- Neithamer CD Jr See Rozenblit G
- Nelems B See Miller IR
- Nelems B See Scott IR
- Nelems B See Staples CA
- Nelp WB See Breitz HB
- Nelp WB See Gilbert BR
- Nelp WB; Early JF; Jones RF; et al: preliminary studies of monoclonal antibody lymphoscintigraphy in malignant melanoma. *J Nucl Med* 1987; 28: 34
- Nelson A See Bidwell JK
- Nelson AD See Bryan PJ
- Nelson AD See Miraldi FD
- Nelson AW See Mirvis SE
- Nelson AW; Reed HT; Haney PJ; et al: gray-scale (B-mode) sonography of the maxillary sinus. *J Ultrasound Med* 1986; 5: 477
- Nelson BD See Selby B
- Nelson D See Cardella JF
- Nelson DF; Diener-West M; Weinstein AS; et al: randomized comparison of misoprostol sensitized radiotherapy plus BCNU and radiotherapy plus BCNU for treatment of malignant glioma after surgery: final report of an RTOG study. *Int J Radiat Oncol Biol Phys* 1986; 12: 1793
- Nelson DF; Gonzalez DG; Bleehen N: brain sites. *Int J Radiat Oncol Biol Phys* 1988; 14: 5135
- Nelson DF See Burke CM
- Nelson DW Jr; Calley N: torsion of a teratoma in an undescended intra-abdominal testis: ultrasonographic findings. *JCU* 1987; 15: 401
- Nelson GW See Bruwer A
- Nelson J; Grebbell FS: value of computed tomography in patients with mucopolysaccharidosis. *Neuroradiol* 1987; 29: 544
- Nelson JA See Davis PL
- Nelson JA See Davis WL
- Nelson JF See Salazar JE
- Nelson K See Gerberding JL
- Nelson KL See Rung VM
- Nelson KL See Young AT
- Nelson LA See Buchsbaum DJ
- Nelson LH; Burton BK; Sowers S: ultrasonography in patients with low maternal serum α -fetoprotein. *J Ultrasound Med* 1987; 6: 59
- Nelson M See Williams CE
- Nelson MC; Brower AC; Ragdale BD: case report 448. *Skeletal Radiol* 1987; 16: 601
- Nelson MD; Kendall BE: intracranial catecholamine secreting paragangliomas. *Neuroradiol* 1987; 29: 277
- Nelson MD Jr; Bracchi M; Naidich TP; McLone DG: natural history of repaired myelomeningocele. *Radiographics* 1988; 8: 695
- Nelson MJ; Cavalieri R; Graham D; et al: cysts in pregnancy discovered by sonography. *JCU* 1986; 14: 509
- Nelson MN See Bozynski MEA
- Nelson MW See Graham D
- Nelson OL See Wang Y
- Nelson PM See Moreno AJ
- Nelson RC See Baumgartner BR
- Nelson RC See Cheezmar JL
- Nelson RC See Malko JA
- Nelson RC See Steinberg HV
- Nelson RC; Cheezmar JL; Steinberg HV; et al: focal hepatic lesions: detection by dynamic and delayed computed tomography versus short TE/TR spin echo and fast field echo magnetic resonance imaging. *Gastrointest Radiol* 1988; 13: 115
- Nelson RC; Lovett KE; Cheezmar JL; et al: comparison of pulsed Doppler sonography and angiography in patients with portal hypertension. *AJR* 1987; 149: 77
- Nelson TR; Pretorius DH: Doppler signal: where does it come from and what does it mean? *AJR* 1988; 151: 439
- Nemcek A See Sartoris DJ
- Nemcek AA Jr See Christensen R
- Nemcek AA Jr See Gore RM
- Nemcek AA Jr See Sider L
- Nemcek AA Jr See Vogelzang RL
- Nemcek AA Jr; Gore RM; Vogelzang RL; et al: effervescent gallbladder: a sonographic sign of emphysematous cholecystitis. *AJR* 1988; 150: 375
- Nemcek AA Jr; Vogelzang RL: modified use of the tip-deflecting wire in manipulation of foreign bodies. *AJR* 1987; 149: 777
- Nemcek AA Jr; Ziewacz JT; Christiansen R; et al: 30-year-old woman with generalized skeletal pain. *Invest Radiol* 1987; 22: 752
- Nemcek AA Sr; Holmberg CE: reversible renal fibromuscular dysplasia. *AJR* 1986; 147: 737
- Németh G; Schlegel W: radiation therapy of intrathoracic paraneoplastic lymph node metastases: three-dimensional treatment planning. *Acta Oncol* 1987; 26: 203
- Nemir RL: perspectives in adolescent tuberculosis: three decades of experience. (ab). *Radiology* 1987; 162: 884
- Nemoto Y See Inoue Y
- Nemoto Y; Inoue Y; Fukuda T; et al: MR appearance of Rathke's cleft cysts. *Neuroradiol* 1988; 30: 155
- Nénot JC: medical basis for the establishment of intervention levels. *Br J Radiol* 1987; 60: 1163
- Neoptolemos J See vanSonnenberg E
- Nepola JV See Newhouse KE
- Nerlinger RE See Waterman FM
- Nerot C See Fornage BD
- Nerubay J See Friedman B
- Nessi R See Balconi G
- Nessi R See De Flaviis L
- Nestic PF; Hakki A-H; Iskandari AS; et al: thallium-201 imaging in pericardial effusion. *Clin Nucl Med* 1986; 11: 213
- Netanyahu I; Grant EG: prominent choroid plexus in meningioleucocoele: sonographic findings. *AJNR* 1986; 7: 317
- Netter JM See Mayer JM
- Neubauer B See Christensen T
- Neuenschwander S; Couanet D; Montagne JP: integrated imaging of hepatic tumors in childhood. *Radiology* 1986; 158: 278
- Neufang KFR; Zanello FE; Ewen K: radiation doses to the eye lenses in computed tomography of the orbit and the petrous bone. *Eur J Radiol* 1987; 7: 203
- Neuhau K-L: methodology and results of intravenous thrombolysis in acute myocardial infarction. *Cardiovasc Intervent Radiol* 1986; 9: 253
- Neuhold A See Brainin M
- Neuhold A See Fruhwald F
- Neuhold A; Fruhwald F; Balogh B; et al: sonography of the tongue and floor of mouth. part I: anatomy. *Eur J Radiol* 1986; 6: 103
- Neuman M See Lubin E
- Neuman MR See Kiwi R
- Neuman MR See Selim MA
- Neumann CH See Hajek PC
- Neumann DR; Pearlstein AE: retracted testis mimicking lymphomatous recurrence: CT demonstration. *JCAT* 1986; 10: 159
- Neumann RD See Cornelius EA
- Neumann RD See Zoghbi SS
- Neumayer K See Lammer J
- Neumeister K; Revesz L: advances in hypoxiradiotherapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 427
- Neuringer I See Koutcher JA
- Neuringer LJ See McFarland EW
- Neustadter L See Glickstein MF
- Neutze J See Van Nostrand D
- Neuwirth M See Baker ND
- Neuwirth RS See Killackey MA
- Neuzil D See Beaumier PL
- Nevalainen T See Langenskiöld A
- Nevelsteen A See Wilms GE
- New PFJ See Oot RF
- New PFJ; Ojemann RG; Davis KR; et al: MR and CT of occult vascular malformations of the brain. *AJNR* 1986; 7: 771
- Newble DI See Albertyn LE
- Newbold RG See Wiener MD
- Newbold RG; Wiener MD; Volger JB III: traumatic pneumothorax. *AJR* 1987; 148: 615

- Newell JD See Fiastro JF
 Newell JD; Grogan TM; Pond GD: chest radiographic abnormalities in Lennett's lymphoma. *J Thorac Imag* 1988; 3:1: 67
 Newell JD; Hunter TB: personal computer needs for the radiologist. *Invest Radiol* 1986; 21: 167
 Newell JD; Seely G; Hagaman RM; et al: computed radiographic evaluation of simulated pulmonary nodules: preliminary results. *Invest Radiol* 1988; 23: 267
 Newell KD See Rhodes BA
 Newhouse JH See Amis ES Jr
 Newhouse JH See Dunnick NR
 Newhouse JH See Levy HM
 Newhouse JH See Premkumar A
 Newhouse JH: image contrast and pulse sequences in urinary tract magnetic resonance imaging. *Urol Radiol* 1986; 8: 120
 Newhouse JH; Markias JA; Kazam E: magnetic resonance imaging of the kidneys. *Cardiovasc Intervent Radiol* 1986; 8: 351
 Newhouse KE; El-Khoury GY; Nepola JV; et al: shoulder impingement view: a fluoroscopic technique for the detection of subacromial spur. *AJR* 1986; 151: 539
 Newman A See Lyding JM
 Newman AJ See Ullrich BS
 Newman AP See Manaster BJ
 Newman B See Ledesma-Medina J
 Newman B See Oh KS
 Newman B; Caldicott WJH; Michelow P: contrast media and renal function in the immature kidney. *Invest Radiol* 1987; 22: 608
 Newman B; Nussbaum A; Kirkpatrick JA Jr: bowel perforation in Hirschsprung's disease. *AJR* 1987; 148: 1195
 Newman B; Oh KS: abnormal pulmonary aeration in infants and children. *Radiol Clin North Am* 1988; 26: 323
 Newman B; Smith S: unusual renal mass in a newborn infant. *Radiology* 1987; 163: 193
 Newman D See Lingeman JE
 Newman DM See Lingeman JE
 Newman DM; Coury T; Lingeman JE; et al: extracorporeal shock wave lithotripsy experience in children. *Abd Radiol* 1987; 162: 295
 Newman GE See Moore AV Jr
 Newman GE See Perlmutt LM
 Newman GE See Saeed M
 Newman GE; Miner DG; Sussman SK; Phillips HR; Mikat EM; McCann RL: peripheral artery atherectomy: description of technique and report of initial results. *Radiology* 1988; 169: 677
 Newman GH; Rees GJG; Jones RSJ; et al: changes in helper and suppressor T lymphocytes following radiotherapy for breast cancer. *Clin Radiol* 1987; 38: 191
 Newman HFV See Bleehen NM
 Newman HFV; Bleehen NM; Ward R; et al: hypoxic cell radiosensitizers in the treatment of high grade gliomas: a new direction using combined Ro 03-8799 (pimonidazole) and SR 2508 (etanidazole). *Int J Radiat Oncol Biol Phys* 1988; 15: 677
 Newman HFV; Bleehen NM; Workman P: phase I study of the combination of two hypoxic cell radiosensitizers, Ro 03-8799 and SR-2508: preliminary report of single-dose toxicity, pharmacokinetics and tumour concentrations. *Br J Radiol* 1986; 59: 423
 Newman HFV; Dunphy EP; Bleehen NM; et al: comparative study of Ro 03-8799: racemic mixture and enantiomers. *Br J Radiol* 1986; 59: 997
 Newman J See Tudway DC
 Newman JH See Maurice HD
 Newman KA See Tenney JH
 Newman RA See Travis EL
 Newman RC See Grantham JR
 Newman RC See Miles SG
 Newman RC See Williams CM
 Newman SA See Hurst RW
 Newmark H III: 1986 yearbook of nuclear medicine. *Radiology* 1987; 164: 568
 Newmark H III: cardiovascular procedures/diagnostic techniques and therapeutic procedures. *Radiology* 1987; 164: 622
 Newmark H III: Doppler echocardiography: the quantitative approach. 2d ed. *Radiology* 1988; 169: 98
 Newmark H III: ultrasonic diagnosis of cerebrovascular disease. *Radiology* 1988; 167: 120
 Newmark H III: ultrasonography of the neck. *Radiology* 1988; 166: 716
 Newmark H III: ultrasound teaching cases. 2d ed. *Radiology* 1988; 169: 648
 Newmark H III; Blackford D; Roberts D; et al: computed tomography of acute cervical spine tendinitis. *CT* 1986; 10: 373
 Newmark H III; Cassidy TD: cervical rib diagnosis by computerized tomography. *Comput Radiol* 1986; 4: 171
 Newmark H III; Chakmakian V; Ablemayor E; et al: pilar cyst seen on computed tomography. *CT* 1986; 10: 369
 Newton J See Conrad M
 Newton JR See Mackenzie WE
 Newton MR See Miller DH
 Newton RL; Morgan D; Schreiber MH: radiological evaluation of prosthetic fit in below-the-knee amputees. *Skeletal Radiol* 1988; 17: 276
 Newton TH See Callen FW
 Newton TH See Colombo N
 Newton TH See Dooms GC
 Newton TH See Halbach VV
 Newton TH See Kucharczyk W
 Newton TH See Lee DH
 Newton TH See Olsen WL
 Newton TH See Stimac GK
 Ney AL See Weisman ID
 Ney C; Cruz FS Jr; Carvajal S; et al: ureteral involvement secondary to diverticulitis of the colon. *Abd Radiol* 1987; 162: 886
 Ney C; Kumar M; Billah K; et al: CT demonstration of cystitis emphysematosa. *JCAT* 1987; 11: 552
 Ney DR See Fishman EK
 Ng AC See Maglinte DDT
 Ng AMN See Hoe JWM
 Ng K See Peck RJ
 Ng K-K See Ng S-H
 Ng S-H; Ng K-K; Pal S-C; et al: tuberosus sclerosis with aortic aneurysm and rib changes: CT demonstration. *JCAT* 1988; 12: 666
 Ng TC; Majors AW; Meaney TF: in vivo MR spectroscopy of human subjects with a 1.4-T whole-body MR imager. *Radiology* 1986; 158: 517
 Ng TC; Vijayakumar S; Majors AW; et al: response of a non-Hodgkin lymphoma to ⁶⁰Co therapy monitored by ³¹P MRS in situ. *Int J Radiat Oncol Biol Phys* 1987; 13: 1545
 Ngan H See Chan F-L
 Ngo C; Sarti DA: simulation of the normal esophagus by a parathyroid adenoma. *JCU* 1987; 15: 421
 Ngo C; Verma RC; Wong L; et al: simulation of a hydronephrotic pelvic kidney by an unusual pelvic mass. *JCU* 1987; 15: 126
 Ngo C; Yaghamai I: value of immersion band radiography in soft tissue changes of musculoskeletal disorders. *Skeletal Radiol* 1988; 17: 259
 Ngo FQH See Kurland RJ
 Ngo FQH; Blue JW; Roberts WK: effects of a static magnetic field on DNA synthesis and survival of mammalian cells irradiated with fast neutrons. *Magn Res Med* 1987; 5: 307
 Ngo JT; Morris PG: general solution to the NMR excitation problem for noninteracting spins. *Magn Res Med* 1987; 5: 217
 Ngoi SS; Rauff A; Cheong FW: surgical management of hepatoma: a review of 29 hepatic resections. *Australas Radiol* 1988; 32: 227
 Nguyen CM See Houghton VM
 Nguyen DL See Calderwood G
 Nguyen DL See Larson DC
 Nguyen DL See Talley MA
 Nguyen DL See Wilson DA
 Nguyen DL; Leonard JC: ischemic hepatic necrosis: cause of fetal liver calcification. *AJR* 1986; 147: 596
 Nguyen G-K See Abdi EA
 Nguyen G-K See McKeown DK
 Nguyen KT See Pham DH
 Nguyen KT; Kosiuk J; Place CK; et al: two unusual causes of dysphagia: pictorial essay. *J Canad Assoc Radiol* 1987; 38: 42
 Nguyen KT; Place CK; Mackie KW: localized colonic ischemia simulating annular carcinoma. *J Canad Assoc Radiol* 1987; 38: 141
 Nguyen KT; Reid RL; Sauerbrei E: antenatal sonographic detection of a fetal theca lutein cyst: clue to maternal diabetes mellitus. *J Ultrasound Med* 1986; 5: 665
 Nguyen PD See John B
 Nguyen T; Abramowsky C; Ashenburg C; et al: clinicopathologic studies in childhood pancreatitis. *Abd Radiol* 1988; 169: 296
 Nguyen TD; Froissart D; Panis X: accelerated irradiation of cervical node metastases. *Radiology* 1987; 163: 815
 Nguyen TD; Panis X; Froissart D; et al: analysis of late complications after rapid hyperfractionated radiotherapy in advanced head and neck cancers. *Int J Radiat Oncol Biol Phys* 1988; 14: 23
 Nguyen TH See Hoang T-A
 Nguyen TH; Hoang T-A; Dash N; et al: latissimus dorsi cardiomyoplasty: radiographic findings. *AJR* 1988; 150: 545
 Nguyen V See Carter BC
 Nguyen VD; London J; Cone RO III: ring sequestrum: radiographic characteristics of skeletal fixation pin-tract osteomyelitis. *Radiology* 1986; 158: 129
 Ng Ying Kin NYK; Figneux J; Auvray H; et al: our experience of conservative treatment of anal canal carcinoma combining external irradiation and interstitial implant: 32 cases treated between 1973 and 1982. *Int J Radiat Oncol Biol Phys* 1986; 14: 253
 Ni X-Y; Goldberg HI: aphthoid ulcers in Crohn disease: radiographic course and relationship to bowel appearance. *Radiology* 1986; 158: 589
 Nias AHW See Smith E
 Nicholas D See Bellamy EA
 Nicholas D See Kissin CM
 Nicholas D; Nassiri DK; Garbutt P; et al: tissue characterization from ultrasound B-scan data. *Ultrasound Med Biol* 1986; 12: 135
 Nicholas DA See McArdle CB
 Nichols DA See Forbes G
 Nichols DA See Jack CR Jr
 Nichols DM See Bergin CJ
 Nichols DM See Gibney RG
 Nichols DM See Huey H
 Nichols DM See Morris DC
 Nichols DM See Müller NL
 Nichols DM See Reed D
 Nichols FT See El Gammal T
 Nichols GR See Beers GJ
 Nichols JB See Dachman AH
 Nichols JN; Tehraniadeh J; Vaccarino FF: posterior longitudinal ligament ossification myelopathy and hypothyroidism. *CT* 1987; 11: 61
 Nichols L See Katz JF
 Nichols ST See Smith MR
 Nicholson AA; Hayward MWJ: cause for collapse. *Br J Radiol* 1986; 59: 649
 Nicholson AA; Holt ME; Jessop JD: dislocation of the manubriosternal joint: detection on frontal chest radiographs. *Br J Radiol* 1986; 59: 643
 Nicholson AA; Roberts GM; Williams LA: measured height of the lumbosacral disc in patients with and without transitional vertebrae. *Br J Radiol* 1988; 61: 454
 Nicholson G See Sewchand W
 Nicholson JK See Bales JR
 Nicholson JK See Connor S
 Nicholson RL See Lewis CE
 Nicholson RL See Prato FS
 Nickel JC See Nolan RL
 Nickoloff EL See Hagan JJ
 Nickoloff EL See Romney BM
 Nickoloff EL; Feldman F; Atherton JV: bone mineral assessment: new dual-energy CT approach. *Radiology* 1988; 168: 223
 Nickoloff EL; Han J; Esser PD; et al: evaluation of a cinevideodensitometric method for measuring vessel dimensions from digitized angiograms. *Invest Radiol* 1987; 22: 875
 Nicod P; Peterson K; Levine M; et al: pulmonary angiography in severe chronic pulmonary hypertension. *Abd Radiol* 1988; 167: 589
 Nicola N See Roosen N
 Nicolaides KH See Campbell J
 Nicolaides KH See Gilbert WM
 Nicolas E See Guerin R
 Nicolau A See Diard F
 Nicoleau F See Vastie N
 Nicolet V See Casola G
 Nicolet V See Dufresne M-P
 Nicolet V; Carignan L; Dubuc G; Hébert G; Bourdon F; Paquin F: thickening of the renal collecting system: a nonspecific finding at US. *Radiology* 1988; 168: 411
 Nicolini U See Ferrazzi E
 Nicoll JJ: radiation reaction enhanced by ifosfamide. *Br J Radiol* 1986; 59: 1039
 Nicolson V; Bramson J: chest x-ray changes in A.I.D.S. *Australas Radiol* 1987; 31: 251
 Nicosis SV See Quinn SF
 Nidecker A See Remagen W
 Niederauer C See Tsay D-G
 Niell HB See Sebes JJ
 Nielsen A See Winkler SS
 Nielsen B See Hougaard K
 Nielsen BB See Nielsen NSM
 Nielsen DT See Rasmussen F
 Nielsen DT; Rasmussen F; Justesen P: comparative study of hysterolapargography and endoscopy/laparotomy in infertile patients. *Eur J Radiol* 1987; 7: 260
 Nielsen FF; Christensen SE; de Carvalho A: case report 475. *Skeletal Radiol* 1988; 17: 205
 Nielsen H See Gjorup T
 Nielsen JR See Evans RG
 Nielsen NSM; Nielsen BB: mammographic features of sclerosing adenosis presenting as a tumour. *Clin Radiol* 1986; 37: 371
 Nielsen S See Morgello S

Nielsen

- Nielsen S; Agnolt J; Christensen H: radiologic findings in lesions of the ligamentum bifurcatum of the midfoot. *Skeletal Radiol* 1987; 16: 114
- Nielsen SL See Hvid-Jacobsen K
- Nielsen SL See Thomsen HS
- Nielsen SL See Vyborg M
- Nielsen ST; Matheson J; Rasmussen JN; et al: excretion of iohexol and metrizoate in human breast milk. *Acta Radiol* 1987; 28: 523
- Nieman L See Doppman JL
- Nieman LK See Saris SC
- Niemeyer C See Tarbell NJ
- Niemeyer JH See Glaser HS
- Niemeyer JH; Balfe DM; Hayden RE: neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy. *Radiology* 1987; 162: 493
- Niemi P; Paajanen H; Mänttinen H; et al: paramagnetic contrast enhancement at 0.02 T: an experimental study using Gd-DOTA in normal and hydronephrotic kidneys. *Magn Res Med* 1988; 7: 311
- Nienaber CA See Spielmann RP
- Niendorf HP See Carr DH
- Niendorf HP See Curati WL
- Niendorf HP See Schorner W
- Niendorf HP See Slasky BS
- Niendorf HP; Laniado M; Semmler W; et al: dose administration of gadolinium-DTPA in MR imaging of intracranial tumors. *AJNR* 1987; 8: 803
- Niermeijer MF See van Egmond-Linden A
- Niesman MR See Bacik G
- Niesman MR See Magin RL
- Nieves A See Donaldson JS
- Nieves NL See Hopper KD
- Nigam M See Bouquet J-C
- Nigri PT See Chang H
- Nihill MR See Towbin JA
- Nirranen A See Holsti LR
- Niizuma M See Kimura A
- Nijboer EW; Penning L: hypertrophic anterior tubercles of C₅ and C₆ on CT. *Neuroradiol* 1987; 29: 78
- Nijhuis-Heddes JMA See Mallens WMC
- Niklasson LT See Fraser RG
- Niklasson LT See Hickey NM
- Niklasson LT; Hickey NM; Chakraborty DP; Sabbagh EA; Yester MV; Fraser RG; Barnes GT: simulated pulmonary nodules: detection with dual-energy digital versus conventional radiography. *Radiology* 1986; 160: 589
- Nikula E; Kiviniitty K: cytogenetic effects of cardioangiography on blood lymphocytes in children and in vitro effects of contrast medium and low dose radiation. *Acta Oncol* 1987; 26: 69
- Nilas L; Fodenphant J; Riis BJ; et al: usefulness of regional bone measurements in patients with osteoporotic fractures of the spine and distal forearm. *J Nucl Med* 1987; 28: 960
- Nilsen B See Davis PC
- Nilsson K See Hrafnkelsson J
- Nilsson P See Aspelin P
- Nilsson P; Almen T; Golman K; et al: addition of local anesthetics to contrast media: I. effects on patient discomfort and hemodynamics in aortofemoral angiography. *Acta Radiol* 1987; 28: 209
- Nilsson P; Almén T; Golman K; et al: addition of local anesthetics to contrast media: II. increase of acute mortality in mice with intravenous contrast administration. *Acta Radiol* 1988; 29: 247
- Nilsson PE See Ekberg O
- Nilsson R; Ehrenberg I; Fedorcsak I: formation of potential antigens from radiographic contrast media. *Acta Radiol* 1987; 28: 473
- Nilsson S; Berglund I; Bylund H; et al: quantitation of atherosclerosis in femoral arteriography with ECG gated exposures. *Acta Radiol* 1988; 29: 311
- Nilsson U: adverse reactions to ioxothate at intravenous cholangiography: a prospective clinical investigation and review of the literature. *Acta Radiol* 1987; 28: 571
- Nilsson U; Ekelund L; Hammarstrom L-E; et al: balloon catheter dilatation of stenotic common bile duct anastomoses in the pig: preliminary investigation. *Acta Radiol* 1987; 28: 115
- Nimmo MJ; Merrick MV; Allan PL: measurement of relative renal function: a comparison of methods and assessment of reproducibility. *Br J Radiol* 1987; 60: 861
- Nimmon CC See Boman J
- Nimmon CC See Granowska M
- Nimmon CC See Jafri RA
- 1988 Joint National Committee: the 1988 report of the Joint National Committee on Detection, Evaluation, and Treatment of high blood pressure. (ab). *Radiology* 1988; 169: 291
- Nino-Murcia G See Simerman LP
- Nino-Murcia M See Baxter R
- Nino-Murcia M See Simerman LP
- Nino-Murcia M; Friedland GW: bladder infarct. *Urol Radiol* 1988; 9: 234
- Nino-Murcia M; Friedland GW: obliterative pyelitis. *Urol Radiol* 1988; 10: 100
- Nino-Murcia M; Friedland GW: unusual fistulae between the rectum and the lower urinary tract: simple techniques for diagnosis. *Urol Radiol* 1988; 9: 240
- Nino-Murcia M; Rao VM; Mikaelian DO; et al: acute sinusitis mimicking antrochoanal polyp. *AJNR* 1986; 7: 513
- Niola R See Iaccarino V
- Niroomand-Rad A; Gillin MT; Komaki R; et al: dose distribution in total skin electron beam irradiation using the six-field technique. *Int J Radiat Oncol Biol Phys* 1986; 12: 415
- Nirschl RP See Blei CL
- Nisbet AP: improved localisation of the proximal end of antegrade ureteric stents. *Br J Radiol* 1987; 60: 589
- Nish AD See Feczko PJ
- Nishi M See Yoshinaka H
- Nishida O See Moriyasu F
- Nishidai T See Ono K
- Nishihara H See Yoshikawa T
- Nishikawa J See Machida K
- Nishikawa J See Ohtake T
- Nishikawa RM See Yaffe MJ
- Nishikimi T; Ochi H; Hirota K; et al: primary pericardial mesothelioma detected by gallium-67 scintigraphy. *J Nucl Med* 1987; 28: 1210
- Nishimi L; Chen DCF; Ansari AN; et al: gallium-67 uptake in cutaneous lesions of mycosis fungoides. *Clin Nucl Med* 1988; 13: 120
- Nishimura A; Otsu H; Itoh K; et al: response of pancreatic tumor to intraoperative radiotherapy: medical imaging and pathologic system approach. *CT* 1987; 11: 5
- Nishimura D See Sommer G
- Nishimura DG; Macovski A; Jackson JL; et al: magnetic resonance angiography by selective inversion recovery using a compact gradient echo sequence. *Magn Res Med* 1988; 8: 96
- Nishimura DG; Macovski A; Pauly JM: considerations of magnetic resonance angiography by selective inversion recovery. *Magn Res Med* 1988; 7: 472
- Nishimura K See Fujisawa I
- Nishimura K See Itoh K
- Nishimura K See Minami S
- Nishimura K See Murata K
- Nishimura K See Nakano Y
- Nishimura K See Noma S
- Nishimura K See Togashi K
- Nishimura K; Fujisawa I; Togashi K; et al: posterior lobe of the pituitary: identification by lack of chemical shift artifact in MR imaging. *JCAT* 1986; 10: 899
- Nishimura K; Togashi K; Itoh K; Fujisawa I; Noma S; Kawamura Y; Nakano Y; Itoh H; Torizuka K; Ozasa H: endometrial cysts of the ovary: MR imaging. *Radiology* 1987; 162: 315
- Nishimura M; Ieshima A; Takashima S; et al: focal vulnerability of developing brain: CT studies on disproportionately dilated lateral ventricles. *Neuroradiol* 1986; 28: 30
- Nishimura RA See Holmes DR
- Nishimura T See Imakita S
- Nishimura T; Hayashida K; Uehara T; et al: two patients with meningioma visualized as high uptake by SPECT with N-isopropyl-p-iodo-amphetamine (I-123). *Neuroradiol* 1988; 30: 351
- Nishimura T; Misawa T; Park Y-D; et al: visualization of right atrial thrombus associated with constrictive pericarditis by indium-111 oxine platelet imaging. *J Nucl Med* 1987; 28: 1344
- Nishimura Y See Hiraoka M
- Nishimura Y; Fushiki M; Yoshida M; Nakamura K; Imai M; Ono T; Morikawa S; Hatayama T; Komatz Y: left renal vein hypertension in patients with left renal bleeding of unknown origin. *Radiology* 1986; 160: 663
- Nishimura Y; Hiraoka M; Jo S; et al: microangiographic and histologic analysis of the effects of hyperthermia on murine tumor vasculature. *Int J Radiat Oncol Biol Phys* 1988; 15: 411
- Nishitani H; Umezaki Y; Ogawa K; Yuzuriha H; Tanaka H; Matsura K: dual-energy projection radiography using condenser x-ray generator and digital radiography apparatus. *Radiology* 1986; 161: 533
- Nishiyama H See Dejak D
- Nishiyama H; Frankl AG; Rauf GC: intraperitoneal bleeding in a patient with a myelodysplastic syndrome. *Clin Nucl Med* 1987; 12: 399
- Nishiyama H; Morand TM; Seiwert VJ: extensive skeletal involvement detected by gallium-67 citrate in a patient with multiple myeloma. *Clin Nucl Med* 1988; 13: 179
- Nishiyama Y See Watanabe Y
- Nissenbaum M; Jequier S: enlargement of adrenal glands preceding adrenal hemorrhage. *JCU* 1988; 16: 349
- Nistal M; Regadera J; Razquin S; et al: malakoplakia of the maxillary sinus. (ab). *Radiology* 1986; 158: 861
- Nitsch B; Ho C-S; Cullen J; et al: barium study of small bowel endometriosis. *Gastrointest Radiol* 1988; 13: 361
- Nitta K See Teresi LM
- Nitta T; Nakajima K; Maeda M; et al: completely thrombosed giant aneurysm of the pericallosal artery: case report. *CT* 1987; 11: 140
- Nitz W See Wendt RE III
- Niwa J See Kurakawa Y
- Nixon B See Spiegel SM
- Nixon GW See Boyer RS
- Nixon GW See Murray K
- Nixon TE See Eyes BE
- Nizet M See Bekhti A
- Njo KH See Karim ABMF
- Njus G See Hanigan WC
- Noack G See Mortenson W
- Noakes J See Gulliver D
- Noall DL See Gates GF
- Noble J See Lipman B
- Nochimson DJ See Campbell WA
- Noda M See Maehara T
- Noda M See Tanohata K
- Nodine CF See Kundel HL
- Nodine CF; Kundel HL: using eye movements to study visual search and to improve tumor detection. *Radiographics* 1987; 7: 1241
- Noel AW See Velchik MG
- Noel AW; Heyman S: scintigraphic findings in infantile hemangioendothelioma. *Clin Nucl Med* 1986; 11: 413
- Noel AW; Velchik MG: urine extravasation into the scrotum. *J Nucl Med* 1986; 27: 807
- Noel MF See Mahoney LT
- Noel W See de Paredes ES
- Noelke G See Palmaz JC
- Noetzel MJ; Marsh JL; Falkes H; et al: hydrocephalus and mental retardation in craniosynostosis. (ab). *Radiology* 1986; 159: 575
- Noever T See Eisner R
- Noever T See Eisner RL
- Nohira K See Uno K
- Nojima K See Nakano H
- Nojima T See Choji K
- Nojima T See Matsuno T
- Nokes SR See Savader SJ
- Nokes SR; Daulton R; Murtagh FR; et al: intracranial mesenchymal chondrosarcoma. *AJNR* 1987; 8: 1137
- Nokes SR; King FS; Garcia R Jr; et al: temporomandibular joint chondromatosis with intracranial extension: MR and CT contributions. *AJR* 1987; 148: 1173
- Nokes SR; Martinez CR; Arrington JA; et al: significance of vaginal air on computed tomography. *JCAT* 1986; 10: 997
- Nokes SR; Murtagh FR; Jones JD III; Downing M; Arrington JA; Turetsky D; Silbiger ML: childhood scoliosis: MR imaging. *Radiology* 1987; 164: 791
- Nolan DJ See Dixon PM
- Nolan DJ See Jeffree MA
- Nolan DJ See Kay VJ
- Nolan DJ See Redmond PL
- Nolan DJ See Treacher DF
- Nolan DJ; Cadman FJ: small bowel enema made easy. *Clin Radiol* 1987; 38: 295
- Nolan RL See Boag GS
- Nolan RL; Nickel JC; Froud PJ: percutaneous endourologic approach for transitional cell carcinoma of the renal pelvis. *Urol Radiol* 1988; 9: 217
- Noma S See Fujisawa I
- Noma S See Itoh K
- Noma S See Minami S
- Noma S See Murata K
- Noma S See Nishimura K
- Noma S See Togashi K
- Noma S; Kanaoka M; Minami S; Sagoh T; Yamashita K; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Oomura M; Tanaka Y; Itoh H; Konishi J: thyroid masses: MR imaging and pathologic correlation. *Radiology* 1988; 168: 759
- Noma S; Konishi J; Morikawa M; et al: MR imaging of thyroid hemochromatosis. *JCAT* 1988; 12: 623
- Noma S; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Konishi J; Kasagi K; Iida Y; Itoh H; Torizuka K: thyroid gland: MR imaging. *Radiology* 1987; 164: 495
- Nomura F; Ohnishi K; Ochiai T; Okuda K: obesity-related nonalcoholic fatty liver: CT features and follow-up studies after low-caloric diet. *Radiology* 1987; 162: 845
- Nonaka R See Nakamura T
- Noonan CD See Gaensler EHL
- Noorbeeksh B; Enzmann DR; Sullender W; Bradley JS; Arvin AM: neonatal herpes simplex encephalitis: correlation of clinical and CT findings. *Radiology* 1987; 162: 813

- Noorbehesht B; Fabrikant JI; Enzmann DR: size determination of supratentorial arteriovenous malformations by MR, CT and angio. *Neuroradiol* 1987; 29: 512
- Noordam MJ See Tonge HM
- Nora JD; Hallett JW Jr; O'Brien PC; et al: surgical resection of carotid body tumors: long-term survival, recurrence, and metastasis. (ab). *Radiology* 1988; 168: 591
- Nordby A; Halgunset J; Haugen OA: cytostatic effects of radiographic contrast media on synchronized cell cultures. *Invest Radiol* 1987; 22: 678
- Nordby A; Halgunset J; Haugen OA: effects of radiographic contrast media on monolayer cell cultures. *Invest Radiol* 1986; 21: 234
- Nordby A; Halgunset J; Thorstensen K; et al: short-term effects of radiographic contrast media on monolayer cell cultures and hepatocytes. *Invest Radiol* 1987; 22: 603
- Nordell B See Skog S
- Nordell B See Stahlberg F
- Norder A See DeLibero BB
- Nordman E See Makonnen TA
- Nordhus T See Eriksson J
- Nordstam T See Fjellid A
- Nordstrom C-H See Holtas S
- Nordstrom LA; Castaneda-Zuniga WR; Lindeke CC; Rasmussen TM; Burnside DK: laser angioplasty: controlled delivery of argon laser energy. *Radiology* 1988; 167: 463
- Nordstrom LA; Castaneda-Zuniga WR; Young EG; Von Seggern KB: direct argon laser exposure for recanalization of peripheral arteries: early results. *Radiology* 1988; 168: 359
- Norfray JF See Becker RL
- Norfray JF; Chiaradonna NL; Heiser WJ; et al: brain iron in patients with Parkinson disease: MR visualization using gradient modification. *AJNR* 1988; 9: 237
- Norfray JF; Couch JR; Elble RJ; et al: visualization of brain iron by mid-field MR. *AJNR* 1988; 9: 77
- Norgaard H See Gottfredsen A
- Norheim I See Öberg K
- Nori D See Assad WA
- Nori D See Heelan RT
- Nori D; Hilaris BS; Tome M; et al: combined surgery and radiation in endometrial carcinoma: an analysis of prognostic factors. *Int J Radiat Oncol Biol Phys* 1987; 13: 489
- Norley N See Kabalka GW
- Norman A See Abdelwahab IF
- Norman A See Greenspan A
- Norman A See Rosenberg ZS
- Norman A; Abdelwahab IF; Buyon J; Matzkin E: osteoid osteoma of the hip stimulating an early onset of osteoarthritis. *Radiology* 1986; 158: 417
- Norman A; Steiner GC: bone erosion in synovial chondromatosis. *Radiology* 1986; 161: 749
- Norman D See Barkovich AJ
- Norman D See Colombo N
- Norman D See Dooms GC
- Norman D See Fries PD
- Norman D See Halbach VV
- Norman D See Holland BA
- Norman D See Kramer JH
- Norman D See Kucharczyk W
- Norman D See Lee DH
- Norman D See Olsen WL
- Norman D See Sze G
- Norman PF See Cook PG
- Norman F See Brumand J-N
- Norming U See Goldman S
- Nornes H See Aaslid R
- Nornes H See Nakstad P
- Norowitz DB See Patel YD
- Norris CS; Greenfield LJ; Herrmann JB: free-floating iliofemoral thrombus. risk of pulmonary embolism. (ab). *Radiology* 1986; 158: 281
- Norris DG; Jones RA; Hutchison JMS: projective Fourier angiography. *Magn Res Med* 1988; 7: 1
- Norris FS: "wet-suit" appearance of angioimmunoblastic lymphadenopathy on gallium scan. *Clin Nucl Med* 1987; 12: 401
- Norris HJ See Wargotz ES
- Norsoph E See Teikidor HS
- North CM; Ahmadi J; Segall HD; et al: penetrating vascular injuries of the face and neck: clinical and angiographic correlation. *AJNR* 1986; 7: 855
- North LB See Fuller LM
- North LB; Fuller LM; Sullivan-Halley JA; Hagemeister FB: regression of mediastinal Hodgkin disease after therapy: evaluation of timeinterval. *Radiology* 1987; 164: 599
- Northington FK See Harnish PP
- Northup HM See Eisenberg RA
- Norton J See Simmons JT
- Norton JA See Kern KA
- Norton JA See Miller DL
- Norton JA; Cromack DT; Shawker TH; et al: intraoperative ultrasonographic localization of islet cell tumors: a prospective comparison to palpation. (ab). *Radiology* 1988; 168: 291
- Norton JA; Doppman JL; Collen MJ; et al: prospective study of gastrinoma localization and resection in patients with Zollinger-Ellison syndrome. (ab). *Radiology* 1987; 163: 289
- Norton KI See Goodman JD
- Norton KI See Hermann G
- Norton KI See Shapiro RS
- Norton KI See Som PM
- Norton KI; Som PM: computed tomography findings in a case of hypogammaglobulinemia. *CT* 1986; 10: 41
- Norton KI; Som PM; Shugar JMA: persistent cervical adenitis and nasopharyngeal carcinoma in children. *CT* 1987; 11: 275
- Norusis M See Dudiak CM
- Norusis M See Russell EJ
- Norwood HM; Cunningham C; Bowles S; et al: patient absorbed dose for the Philips Tomoscan 350 CT scanner: a repeat study. *Br J Radiol* 1988; 61: 639
- Norwood HM; Walker AL; Parkin A; et al: use of a personal computer to measure gamma camera spatial resolution. *Br J Radiol* 1988; 61: 237
- Nose T; Enomoto T; Hyodo A; et al: intracerebral hematoma developing during MR examination. *JCAT* 1987; 11: 184
- Noseworthy JH See O'Brien JT
- Noseworthy JH; Gilbert JJ; Vandervoort MK; et al: postnatal NMR changes in guinea pig central nervous system: potential relevance to experimental allergic encephalomyelitis. *Magn Res Med* 1988; 6: 199
- Nosher JL; Needell GS; Amorosa JK; et al: transrectal pelvic abscess drainage with sonographic guidance. *AJR* 1986; 146: 1047
- Nosher JL; Winchman HK; Needell GS: transvaginal pelvic abscess drainage with US guidance. *Radiology* 1987; 165: 872
- Noska MA See Zalutsky MR
- Noske E See Wilbert DM
- Nostrand TT See Agha FP
- Notargiacomo A See Gottdiener JS
- Notghi A; Merrick MV; Ferrington C; et al: comparison of simplified and standard methods for the measurement of glomerular filtration rate and renal tubular function. *Br J Radiol* 1986; 59: 35
- Nothdurft W; Calvo W; Klinkert V; et al: acute and long-term alterations in the granulocyte/macrophage progenitor cell (GM-CFC) compartment of dogs after partial-body irradiation: irradiation of the upper body with a single myeloablative dose. *Int J Radiat Oncol Biol Phys* 1986; 12: 949
- Notley HM See Jones DA
- Notman DNH See Sirr SA
- Notman DNH; Anderson L; Beattie OB; et al: arctic paleoradiology: portable radiographic examination of two frozen sailors from the Franklin Expedition (1845-1848). *AJR* 1987; 149: 347
- Notman DNH; Tashjian J; Aufderheide AC; et al: modern imaging and endoscopic biopsy techniques in Egyptian mummies. *AJR* 1986; 146: 93
- Noto AM See Beltran J
- Noto AM See Rosenberg ZS
- Noto AM See Shaffer PB
- Notter C See Turesson I
- Notter RH See Wood BP
- Noujaim AA See Abrams DN
- Noujaim S See Farah MC
- Nouri S; Labovitz AJ: clinical utility of Doppler ultrasound in cardiac diseases. *JCU* 1987; 15: 599
- Nov AA: value of supplemental prone position scans for CT evaluation of herniated disc. *J Neuroradiol* 1988; 15: 85
- Nov AA; Peirce KR; Mauney M; et al: thalamic oligodendrogliomas of childhood: CT and clinical course. *J Neuroradiol* 1988; 15: 23
- Novak R: method for control of the target at aspiration biopsy of non-palpable breast lesions. *Acta Radiol* 1986; 27: 65
- Novich IS See Lisann NM
- Novick A See Train JS
- Novick AC See Stream SB
- Novick GS: sonography in pediatric hip disorders. *Radiol Clin North Am* 1988; 26: 29
- Novick RJ; Tchervenkov CI; Wilson JA; et al: surgery for thoracic hydatid disease: a North American experience. (ab). *Radiology* 1987; 168: 882
- Novicki DE See Ritchey ML
- Novis BH See Gilinsky NH
- Novitzky D See Iturralde M
- Novitzky D; Cooper DKC; Rose AG; et al: acute isolated pulmonary rejection following transplantation of the heart ad both lungs: experimental and clinical observations. (ab). *Radiology* 1987; 162: 587
- Novitzky D; Cooper DKC; Rose AG; et al: effects of denervation and acute rejection on left ventricular volumes measured by radionuclide ventriculography following cardiac transplantation in the chacha baboon. *Semin Nucl Med* 1988; 18: 213
- Novotny E Jr See Seidenwurm D
- Novy M See Thurmond AS
- Nowack P See Wilner HI
- Nowak D See Hellman RS
- Nowak DJ See Eisner RL
- Nowak DJ; Eisner RL; Fajman WA: distance-weighted backprojection: SPECT reconstruction technique. *Radiology* 1986; 159: 531
- Nowell M: ultrasound evaluation of septo-optic dysplasia in the newborn: report of a case. *Neuroradiol* 1986; 28: 491
- Nowell MA See Young SC
- Nowell MA; Grossman RI; Hackney DB; et al: MR imaging of white matter disease in children. *AJNR* 1988; 9: 503
- Nowell MA; Grossman RI; Packer R; et al: focal cortical dysplasia on magnetic resonance imaging: a case report. *CT* 1988; 12: 61
- Nowell MA; Hackney DB; Zimmerman RA; Bilaniuk LT; Grossman RI; Goldberg HI: immature brain: spin-echo pulse sequence parameters for high-contrast MR imaging. *Radiology* 1987; 162: 272
- Nowotnik DP See Leonard J-F
- Noyek AM See Rothberg R
- Nozick J See Schwarz W
- Nsair T See Shalev E
- Nubé MJ See Olmos RAV
- Nugent RA See Dalley RW
- Nugent RA; Lapointe JS; Rootman J; Robertson WD; Graeb DA: orbital dermoids: features on CT. *Radiology* 1987; 165: 475
- Null DM See Schlesinger AE
- Nulson J See Mitchell DG
- Numaguchi Y See Baber WW
- Numaguchi Y See Ey EH
- Numaguchi Y See Fleming MS
- Numaguchi Y See Gum GK
- Numaguchi Y; Connolly ES; Kumra AK; et al: computed tomography and MR imaging of thalamic neuroepithelial cysts. *JCAT* 1987; 11: 583
- Numaguchi Y; Kumra A; Schmidt RD; et al: noncolloid neuroepithelial cysts in the lateral ventricle: magnetic resonance features. *CT* 1988; 12: 174
- Numaguchi Y; Nadel JM; Mizushima A; et al: cerebral venous angioma and a varix: rare combination. *Comput Radiol* 1986; 10: 319
- Numaguchi Y; Weems AM; Mizushima A; et al: myelography with metrizamide: effect of contrast removal on side effects. *AJNR* 1986; 7: 498
- Numann P See Scalzetti EM
- Nunmi P See Alanan A
- Nunmi P See Soila K
- Nunan FA Jr See Manco LG
- Nunan TO See Creagh MF
- Nunez D See Castillo M
- Nunez D Jr See Beerman R
- Nunez D Jr See Russell E
- Nunez D Jr; Guerra JJ Jr; Al-Sheikh WA; et al: percutaneous biliary drainage in acute suppurative cholangitis. *Gastrointest Radiol* 1986; 11: 85
- Nunez D Jr; Huber JS; Yrizarry JM; et al: nonsurgical drainage of appendiceal abscesses. *AJR* 1986; 146: 587
- Nunez D Jr; Yrizarry JM; Nadji M; et al: renal cell carcinoma complicating long-term dialysis: computed tomography-guided aspiration cytology. *CT* 1986; 10: 61
- Nunley WC Jr; Bateman BG; Kitchin JD III; et al: intravascular during hysterolapography using oil-base contrast medium: a second look. (ab). *Radiology* 1988; 166: 586
- Nunn R See Gordon I
- Nunnally JF See Swartz JD
- Nunno M See Schwaibold F
- Nurmi M See Alanan A
- Nurse DS See Doyle TCA
- Nuruddin RN See Daud AB
- Nuruddin RN; Daud AB; Lin H-F: central nervous system prophylaxis in childhood acute lymphoblastic leukaemia: CT brain appearance after 3 years continuous complete remission in 36 Malaysian children. *Australas Radiol* 1988; 32: 44
- Nuruddin RN; Zakariya AH; Abdullah D: adult jejunojejunal intussusception: a case report. *Australas Radiol* 1987; 31: 269
- Nuskind RL See Hyman RA
- Nussbaum A See Newman B
- Nussbaum A See Fakler RL
- Nussbaum AR See Orel SG
- Nussbaum AR See Sanders RC
- Nussbaum AR See Sheth S
- Nussbaum AR; Dorst JF; Jeffs RD; Gearhart JF; Sanders RC: ectopic ureter and ureterocoele: their varied sonographic manifestations. *Radiology* 1986; 159: 227
- Nussbaum AR; Hartman DS; Whitley NO; et al: multicystic dysplasia and crossed renal ectopia. *AJR* 1987; 149: 407
- Nussbaum AR; Sanders RC; Benator RM; et al: spontaneous resolution of neonatal ovarian cysts. *AJR* 1987; 148: 175

- Nussbaum AR; Sanders RC; Hartman DS; Dudgeon DL; Farmlay TH: neonatal ovarian cysts: sonographic-pathologic correlation, *Radiology* 1988; 168: 817
- Nussbaum AR; Sanders RC; Jones MD: neonatal uterine morphology as seen on real-time US, *Radiology* 1986; 160: 641
- Nussbaum AR; Treves ST; Michell L: bone stress lesions in ballet dancers: scintigraphic assessment, *AJR* 1988; 150: 851
- Nusse M See Iliakis G
- Nussinson E; Vigder L; Kaveh Z; et al: exogastric neurilemmoma presenting as acute abdomen: role of computed tomography in diagnosis, *Gastrointest Radiol* 1988; 13: 306
- Nusynowitz ML See Benedetto AR
- Nusynowitz ML; Benedetto AR; Walsh RA; et al: first-pass angio camera radiocardiography: biventricular ejection fraction, flow, and volume measurements, *J Nucl Med* 1987; 28: 950
- Nutinen P See Kivisaari L
- Nyberg DA See Bertino RE
- Nyberg DA See Bronstein AD
- Nyberg DA See Cyr DR
- Nyberg DA See Filly RA
- Nyberg DA See Foster MA
- Nyberg DA See Harris RD
- Nyberg DA See Jeffrey RB Jr
- Nyberg DA See Laing FC
- Nyberg DA See Mack LA
- Nyberg DA See Mahony BS
- Nyberg DA See Schuman WP
- Nyberg DA See Townsend RR
- Nyberg DA See Wang KY
- Nyberg DA; Cyr DR; Mack LA; et al: Dandy-Walker malformation: prenatal sonographic diagnosis and its clinical significance, *J Ultrasound Med* 1988; 7: 65
- Nyberg DA; Cyr DR; Mack LA; et al: sonographic spectrum of placental abruption, *AJR* 1987; 148: 161
- Nyberg DA; Federle MP: AIDS-related Kaposi sarcoma and lymphomas, *Semin Roentgenol* 1987; 22: 54
- Nyberg DA; Filly RA; Filho DLD; Laing FC; Mahony BS: abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, *Radiology* 1986; 158: 393
- Nyberg DA; Filly RA; Laing FC; et al: ectopic pregnancy: diagnosis by sonography correlated with quantitative HCG levels, *J Ultrasound Med* 1987; 6: 145
- Nyberg DA; Hastrup W; Watte H; et al: dilated fetal bowel: sonographic sign of cystic fibrosis, *J Ultrasound Med* 1987; 6: 257
- Nyberg DA; Jeffrey RB Jr; Federle MP; Bottles K; Abrams DI: AIDS-related lymphomas: evaluation by abdominal CT, *Radiology* 1986; 159: 59
- Nyberg DA; Laing FC; Filly RA: threatened abortion: sonographic distinction of normal and abnormal gestation sacs, *Radiology* 1986; 158: 397
- Nyberg DA; Laing FC; Filly RA: threatened abortion: sonographic distinction of normal and abnormal gestation sacs: reply, *Radiology* 1986; 160: 567
- Nyberg DA; Mack LA; Benedetti TJ; Cyr DR; Schuman WP: placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome, *Radiology* 1987; 164: 357
- Nyberg DA; Mack LA; Bronstein A; et al: holoprosencephaly: prenatal sonographic diagnosis, *AJNR* 1987; 8: 871
- Nyberg DA; Mack LA; Harvey D; et al: value of the yolk sac in evaluating early pregnancies, *J Ultrasound Med* 1988; 7: 129
- Nyberg DA; Mack LA; Hirsch J; Mahony BS: abnormalities of fetal cranial contour in sonographic detection of spina bifida: evaluation of the "lemon" sign, *Radiology* 1988; 167: 387
- Nyberg DA; Mack LA; Hirsch J; Pagon RO; Shepard TH: fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies, *Radiology* 1987; 163: 187
- Nyberg DA; Mack LA; Jeffrey RB Jr; et al: endovaginal sonographic evaluation of ectopic pregnancy: a prospective study, *AJR* 1987; 149: 1181
- Nyberg DA; Mack LA; Laing FC; et al: distinguishing normal from abnormal gestational sac growth in early pregnancy, *J Ultrasound Med* 1987; 6: 23
- Nyberg DA; Mack LA; Laing FC; Jeffrey RB Jr: early pregnancy complications: endovaginal sonographic findings correlated with human chorionic gonadotropin levels, *Radiology* 1988; 167: 619
- Nyberg DA; Mack LA; Fatten RM; et al: fetal bowel: normal sonographic findings, *J Ultrasound Med* 1987; 6: 3
- Nyberg DA; Porter BA; Olds MO; et al: MR imaging of hemorrhagic adnexal masses, *JCAT* 1987; 11: 664
- Nyberg DA; Shepard T; Mack LA; et al: significance of a single umbilical artery in fetuses with central nervous system malformations, *J Ultrasound Med* 1988; 7: 265
- Nybonde T See Soderlund V
- Nybonde T; Mortenson W: ultrasonography of the kidney following renal biopsy in children, *Acta Radiol* 1988; 29: 151
- Nyborg WL See Frizzell LA
- Nyborg WL: problems in establishing criteria for medical ultrasound, *Ultrasound Med Biol* 1986; 12: 679
- Nykamp FW See Levy JM
- Nyman R; Ericsson A; Hemmingsson A; et al: T₁, T₂, and relative proton density at 0.35 T for spleen, liver, adipose tissue, and vertebral body: normal values, *Magn Res Med* 1986; 3: 901
- Nyman R; Rehn S; Glimelius B; et al: magnetic resonance imaging, chest radiography, computed tomography and ultrasonography in malignant lymphoma, *Acta Radiol* 1987; 28: 253
- Nyman R; Rehn S; Glimelius B; et al: magnetic resonance imaging for assessment of treatment effects in mediastinal Hodgkin's disease, *Acta Radiol* 1987; 28: 145
- Nyman R; Rehn S; Glimelius B; et al: magnetic resonance imaging in diffuse malignant bone marrow diseases, *Acta Radiol* 1987; 28: 199
- Nyman R; Rehn S; Ericsson A; et al: attempt to characterize malignant lymphoma in spleen, liver and lymph nodes with magnetic resonance imaging, *Acta Radiol* 1987; 28: 527
- Nyman U See Kallendorf B
- Nyska M; Margulies JY; Gomori JM; et al: case report 400, *Skeletal Radiol* 1986; 15: 663
- Nzeh DA: atypical intrathoracic manifestations of Burkitt's lymphoma, *Pediatr Radiol* 1988; 18: 411
- Nzeh DA: importance of the jaw radiograph in diagnosis of Burkitt's lymphoma, *Clin Radiol* 1987; 38: 519
- O
- Oakley EM See ter Haar G
- Oates E See Cone L
- Oates E See Gilbertson V
- Oates E See Outwater E
- Oates E See Statz E
- Oates E See Sullivan RF
- Oates E See Vazquez R
- Oates E; Sarno RC: sharp bone marrow uptake of indium-111 leukocytes in a splenectomized patient with sclerosing cholangitis, *Clin Nucl Med* 1988; 13: 623
- Oates E; Vazquez R: polycystic kidneys incidentally visualized during renal transplant imaging, *Clin Nucl Med* 1988; 13: 296
- Obana WG See Enzmann DR
- Ober KP See Rieser GD
- Ober KP; Cowan; Sevier RE; et al: thyrotoxicosis caused by functioning metastatic thyroid carcinoma: rare and elusive cause of hyperthyroidism with low radioactive iodine uptake, *Clin Nucl Med* 1987; 12: 345
- Oberdorster G See Waldman DL
- Oberg K; Norheim I; Lundqvist G; et al: cytotoxic treatment in patients with malignant carcinoid tumors: response to streptozocin—alone or in combination with 5-FU, *Acta Oncol* 1987; 26: 429
- Oberhaensli RD; Galloway GJ; Hilton-Jones D; et al: study of human organs by phosphorus-31 topical magnetic resonance spectroscopy, *Br J Radiol* 1987; 60: 367
- Oberhaensli RD; Galloway GJ; Taylor DJ; et al: assessment of human liver metabolism by phosphorus-31 magnetic resonance spectroscopy, *Br J Radiol* 1986; 59: 695
- Oberhaensli RD; Galloway GJ; Taylor DJ; et al: first year of experience with P-31 magnetic resonance studies of human liver, *Magn Res Imag* 1986; 4: 413
- Oberhaensli RD; Hilton-Jones D; Bore PJ; et al: P-31 magnetic resonance studies of human brain at 2 T, *Magn Res Imag* 1986; 4: 417
- Oberlin O See Dionet C
- Obermann WR See Kieft GJ
- Obermann WR; Kieft GJ: knee arthrography: comparison of iohexol, ioxaglate sodium meglumine, and metrizoate, *Radiology* 1987; 162: 729
- Obertop H See Heij HA
- O'Brien GM See Packard AB
- O'Brien IA See Tawn DJ
- O'Brien JJ See Vento JA
- O'Brien JP See Henson J
- O'Brien JT; Noseworthy JH; Gilbert JJ; et al: NMR changes in experimental allergic encephalomyelitis: NMR changes precede clinical and pathological events, *Magn Res Med* 1987; 5: 109
- O'Brien MJ See Lee VW
- O'Brien P See Plate G
- O'Brien PC See Nora JD
- O'Brien PC; Denham JW: radiation therapy in AIDS related Kaposi's sarcoma, *Australas Radiol* 1987; 31: 319
- O'Brien T See Taylor GA
- O'Brien W See Archer AG
- O'Brien WD: determination of *in situ* exposure, *Ultrasound Med Biol* 1986; 12: 695
- O'Brien WM; Choyke PL; Copeland J; et al: computed tomography of adrenal abscess, *JCAT* 1987; 11: 550
- O'Brien WM; Choyke PL; Lynch JH; et al: invasion of the inferior vena cava by testicular seminoma: demonstration by computed tomography and venography, *Urol Radiol* 1986; 8: 108
- O'Broovich H See Coates G
- O'Broovich H See Lowey J
- O'Callaghan J See Garrett P
- Ochi I See Nishikimi T
- Ochi I; Okuno T; Uenoyama Y; et al: symmetrical low density areas in bilateral thalami in an infant with measles encephalitis, *Comput Radiol* 1986; 10: 137
- Ochial T See Nomura F
- Ochs C See Bursch JH
- O'Connell D See Fitzgerald P
- O'Connell DJ See Lee MJ
- O'Connell MJ See Gunderson LL
- O'Connell PR; Kelly KA; Brown ML: scintigraphic assessment of neorectal motor function, *J Nucl Med* 1986; 27: 460
- O'Connell WJ See Botvinick EH
- O'Connor HJ; Hamilton I; Ellis WR; et al: ultrasound detection of choledocholithiasis: prospective comparison with ERCP in the postcholecystectomy patient, *Gastrointest Radiol* 1986; 11: 161
- O'Connor KF See Curry NS
- O'Connor L See Derrig P
- O'Connor MK See Kennedy JF
- O'Connor MK; Brennan SS; Shanik DG: indium-111 labeled platelet deposition following transfemoral angiography, *Radiology* 1986; 158: 191
- O'Connor MK; MacMathuna P; Keeling PWN: hepatic arterial and portal venous components of liver blood flow: a dynamic scintigraphic study, *J Nucl Med* 1988; 29: 466
- Oda J See Inoue Y
- Oda Y See Minami S
- Odani R See Morita S
- Odegard T See Soga EE
- Odell JM See Weinberger E
- Odita JC See Akamaguna AI
- Odita JC; Akamaguna AI; Ogisi FO; et al: pneumatization of the maxillary sinus in normal and symptomatic children, *Pediatr Radiol* 1986; 16: 365
- Odita JC; Okolo AA; Omene JA: bone cortical mass in newborn infants: comparison between standards in the femur and humerus, *Skeletal Radiol* 1986; 15: 648
- Odita JC; Okolo AA; Omene JA: cardiothoracic ratio in Nigerian newborn infants, *Clin Radiol* 1987; 38: 187
- Odita JC; Omene JA; Okolo AA: gastric distension in neonatal necrotizing enterocolitis, *Pediatr Radiol* 1987; 17: 202
- O'Donnell C; Andrews J: calf muscle arteriovenous malformations detected by technetium-99m erythrocyte venography, *Clin Nucl Med* 1988; 13: 86
- O'Donnell H See Jaspas T
- O'Donoghue DP See Malone DE
- O'Donoghue JA; Wheldon TE: predicted allowable doses to normal organs for biologically targeted radiotherapy, *Br J Radiol* 1988; 61: 264
- O'Donoghue JA; Wheldon TE: radiobiological equivalence condition for radiotherapy regimes incorporating protective shielding of vulnerable normal organs, *Br J Radiol* 1986; 59: 709
- O'Donoghue JA; Wheldon TE; Gregor A: implications of *in-vitro* radiation-survival curves for the optimal scheduling of total-body irradiation with bone marrow rescue in the treatment of leukaemia, *Br J Radiol* 1987; 60: 279
- O'Donoghue J See Enzmann DR
- O'Donoghue JM; Enzmann DR: mycotic aneurysm in angitis associated with herpes zoster ophthalmicus, *AJNR* 1987; 8: 615
- O'Donovan PB See Ross JS
- O'Donovan PB; Ross JS: magnetic resonance of the pulmonary parenchyma: initial experience at 0.6 Tesla, *Cardiovasc Intervent Radiol* 1986; 8: 300
- Odreizin GT See Jones WF
- O'Driscoll DM See Stevens JM
- O'Duffy J See Isles AF
- Odurny A; Birch SJ: hepatic arterial embolisation in patients with metastatic carcinoid tumours, (ab), *Radiology* 1986; 159: 575
- Odurny A; Colapinto RF: control of postoperative vaginal hemorrhage by embolization of the medial circumflex femoral artery, *AJR* 1987; 149: 319

- Odurny A; Sniderman KW; Colapinto RF:** Intestinal angina: percutaneous transluminal angioplasty of the celiac and superior mesenteric arteries. *Radiology* 1988; 167: 59
- Ody B See Gurett JP**
- Oei HY See Mali WFTM**
- Oestmann JW See Greene R**
- Oestmann JW; Greene R; Kushner DC; Bourgoin PM; Linetsky L; Llewellyn HJ:** lung lesions: correlation between viewing time and detection. *Radiology* 1988; 166: 451
- Oestmann JW; Kopans DB; Linetsky L; Hall DA; McCarthy KA; White G; Swann C; Kelley JE; Johnson LL:** comparison of two screen-film combinations in contact and magnification mammography: detectability of microcalcifications. *Radiology* 1988; 166: 657
- Oestmann JW; Kushner DC; Bourgoin PM; Llewellyn HJ; Mockbee BW; Greene R:** subtle lung cancers: impact of edge enhancement and gray scale reversal on detection with digitized chest radiographs. *Radiology* 1988; 167: 657
- Oestreich AE See Bisset GS III**
- Oestreich AE See Burton EM**
- Oestreich AE See Ey EH**
- Oestreich AE:** atlas d'échographie de la hanche dans la première année de la vie (atlas of ultrasound of the hip in the first year of life). *Radiology* 1988; 167: 752
- Oestreich AE:** atlas d'échographie mammaire et de mammographie (atlas of breast ultrasound and mammography). 2d ed. *Radiology* 1986; 161: 428
- Oestreich AE:** bildgebende diagnostik akuter intestinaler durchblutungsstörungen (imaging diagnosis of acute intestinal vascular occlusion). *Radiology* 1986; 160: 394
- Oestreich AE:** CT, MR-tomographie und MR-spektroskopie bei neuromuskulären erkrankungen (CT, MR tomography and MR spectroscopy in neuromuscular diseases). *Radiology* 1988; 169: 772
- Oestreich AE:** die hämodynamik des portalkreislaufes bei kindern—eine analyse mittels duplex-sonographie (hemodynamics of the pediatric portal venous system—an analysis using duplex-sonography). *Radiology* 1988; 167: 114
- Oestreich AE:** die obere halswirbelsäule—regionale morphologie, pathologie und traumatologie; praktischer röntgenatlas und systematik (the upper cervical spine—regional morphology, pathology and traumatology; practical imaging atlas and systematic review). 3d ed. *Radiology* 1988; 166: 80
- Oestreich AE:** die ultraschalluntersuchung des kindes (ultrasound diagnosis of the child). *Radiology* 1988; 169: 394
- Oestreich AE:** Duden: das worterbuch medizinischer fachausdrücke (the Duden thesaurus-dictionary of medical terminology). 4th ed. *Radiology* 1986; 159: 236
- Oestreich AE:** echotomographie et pathologie thoracique (ultrasound of thoracic disease). *Radiology* 1986; 158: 20
- Oestreich AE:** fetale anatomie im ultraschall (fetal anatomy on ultrasound). *Radiology* 1987; 164: 810
- Oestreich AE:** funktionelle anatomie und röntgen-anatomie der wirbelsäule (functional anatomy and radiographic anatomy of the vertebral column). vol. 4, funktionelle pathologie und klinik der wirbelsäule. *Radiology* 1988; 167: 684
- Oestreich AE:** galliumszintigraphie—diagnostik bei entzündlichen erkrankungen und tumoren (gallium scintigraphy in inflammatory disease and tumor diagnosis). *Radiology* 1986; 158: 34
- Oestreich AE:** gastrointestinaltrakt II (gastrointestinal tract II). pt 2 of vol 3 of Schinz: radiologische diagnostik in klinik und praxis (diagnostic radiology in clinical practice). 7th ed. *Radiology* 1988; 169: 640
- Oestreich AE:** harnsystem und männliche genitalorgane, nebenhieren, retroperitonealraum—gynakologie und geburtskunde—lymphsystem (urinary tract, male genitalia, adrenals, retroperitoneum; obstetrics and gynecology; lymphatic system). *Radiology* 1986; 158: 392
- Oestreich AE:** index of European radiological journals 1985-1987. *Radiology* 1988; 169: 824
- Oestreich AE:** kernspintomographie: einföhrung für ärzte und medizinstudenten (magnetic resonance imaging: an introduction for physicians and medical students). *Radiology* 1986; 159: 704
- Oestreich AE:** la radiologie apres chirurgie esthetique et plastique mammaire (radiology of plastic surgery of the breast). *Radiology* 1987; 164: 790
- Oestreich AE:** la tomografia computerizzata e la risonanza magnetica nelle neoplasie maligne della laringe (CT and MR of malignant tumors of the larynx). *Radiology* 1988; 167: 92
- Oestreich AE:** l'imaging diagnostico del cuore (diagnostic imaging of the heart). 2 vols. *Radiology* 1986; 166: 250
- Oestreich AE:** l'imaging senologico-metodiche e scelte (breast imaging methodology and selection). *Radiology* 1987; 164: 790
- Oestreich AE:** masse in der sonographie und computer-tomographie (measurement in ultrasound and CT). *Radiology* 1987; 163: 34
- Oestreich AE:** misurazioni radiografiche dell'apparato locomotore (radiologic measurement of the skeletal system). *Radiology* 1987; 163: 724
- Oestreich AE:** os et articulationes (bones and joints). vol. 4 of cahiers de radiologie (notebooks of radiology). *Radiology* 1986; 159: 746
- Oestreich AE:** pediatric ultrasonography. *Radiology* 1986; 160: 506
- Oestreich AE:** röntgenatlas der normalen hand in kindesalter (roentgen atlas of the normal hand in childhood). *Radiology* 1988; 168: 516
- Oestreich AE:** Schadel-Gehirn (skull and brain). Pt. 1 of vol. 5 of Schinz: radiologische diagnostik in klinik und praxis (diagnostic radiology in clinical practice). 7th ed. *Radiology* 1987; 164: 634
- Oestreich AE:** skoliosefrühbehandlung durch elektrostimulation (early treatment of scoliosis by electric stimulation of muscle). *Radiology* 1986; 160: 276
- Oestreich AE:** tomodensitometrie pediatrique (pediatric CT). *Radiology* 1988; 167: 316
- Oestreich AE:** tumoren und tumorähnliche erkrankungen (tumors and tumorlike conditions). pt. 2 of vol. 3, allgemeine orthopädie (general orthopedics) orthopädie in praxis und klinik (orthopedics in clinical practice). 2d ed. *Radiology* 1986; 159: 470
- Oestreich AE:** ultraschallgeführte biopsie (ultrasound-guided biopsy). *Radiology* 1986; 158: 764
- Oestreich AE:** ultraschall-mammographie. methoden, ergebnisse, diagnostischen strategien (ultrasound-mammography. methods, results, diagnostic strategy). *Radiology* 1987; 164: 790
- Oestreich AE:** wirbelsäule—rückenmark (spinal column and spinal cord). *Radiology* 1987; 163: 640
- Oestreich AE; Steiner JF:** röntgendiagnostik von zahn- und kiefererkrankungen: ein klinischradiologisches konzept (x-ray diagnosis of diseases of the teeth and jaw. *Radiology* 1988; 168: 446
- Offerhaus GJA; Giardiello FM; Moore GW; et al:** partial gastrectomy: a risk factor for carcinoma of the pancreas? (ab). *Radiology* 1987; 164: 588
- Offermann J See Requardt H**
- Offermann W; Kuhn W; Soboll S; et al:** in vivo contour plot: an improved representation of stimulus experiments. *Magn Res Med* 1987; 4: 507
- Ofole S See Lewall DB**
- Ogan MD See Eriksson UG**
- Ogan MD See Schmiedl U**
- Ogan MD; Revel D; Brasch RC:** metalloporphyrin contrast enhancement of tumors in magnetic resonance imaging: a study of human carcinoma, lymphoma, and fibrosarcoma in mice. *Invest Radiol* 1987; 22: 822
- Ogan MD; Schmiedl U; Moseley ME; et al:** albumin labeled with Gd-DTPA: an intravascular contrast-enhancing agent for magnetic resonance blood pool imaging preparation and characterization. *Invest Radiol* 1987; 22: 665
- Ogata K See Ibayashi S**
- Ogata K; Sugiooka Y; Urano Y; et al:** idiopathic osteonecrosis of the first metatarsal sesamoid. *Skeletal Radiol* 1986; 15: 141
- Ogata T; Ishikawa K; Kohda E; et al:** computed tomography in the early detection of congenital lipid adrenal hyperplasia. *Pediatr Radiol* 1988; 18: 360
- Ogawa K See Chamsangavej C**
- Ogawa K See Nishitani H**
- Ogawa K See Wallace MJ**
- Ogawa T; Uemura K; Shishido F; et al:** changes of cerebral blood flow, and oxygen and glucose metabolism following radiochemotherapy of gliomas: a PET study. *JCAT* 1988; 12: 290
- Ogden JA See Rush BH**
- Ogden JA See Winkler AR**
- Ogden JA; Murphy MJ; Southwick WO; et al:** radiology and postnatal skeletal development. XIII. C1-C2 interrelationships. *Skeletal Radiol* 1986; 15: 433
- Ogden MC See Cleveland RH**
- Ogihara I; Kojima S; Jay M:** differential uptake of gallium-67-labeled liposomes between tumors and inflammatory lesions in rats. *J Nucl Med* 1986; 27: 1300
- Ogihara-Umeda I; Kojima S:** increased delivery of gallium-67 to tumors using serum-stable liposomes. *J Nucl Med* 1988; 29: 516
- Ogilvie BC See Rubin CME**
- Ogino T See Akine Y**
- Ogino Y See Silva SA**
- Ogisi FO See Odita JC**
- Oglesby JT See Willis JS**
- Ognibene FP See Suffredini AF**
- Ognibene FP See Woolfenden JM**
- Ognibene FP; Pasi HJ; Roth JA; et al:** role of imaging and interventional techniques in the diagnosis of respiratory disease in the immunocompromised host. *J Thorac Imag* 1988; 3-2: 1
- O'Gorman AM See Cramer BC**
- O'Gorman AM See Dorne HL**
- O'Gorman AM See Jequier S**
- O'Gorman AM See Paltiel HJ**
- O'Grady LF See Ryan KP**
- Oguro K See Masuzawa T**
- Oh BH See Park JH**
- Oh CH See Cho ZH**
- Oh CH See Ra JB**
- Oh KS See Bender TM**
- Oh KS See Dominguez R**
- Oh KS See Ledesma-Medina J**
- Oh KS See Newman B**
- Oh KS; Newman B; Bender TM; et al:** pulmonary pseudofibrosis and pseudomass lesions. *Radiol Clin North Am* 1988; 26: 365
- Oh KS; Newman B; Bender TM; et al:** radiologic evaluation of the diaphragm. *Radiol Clin North Am* 1988; 26: 355
- Ohari JM See Schmitt GS**
- Ohara H See Matsuda T**
- Ohara H See Shimizu K**
- O'Hara JA; Douple EB; Richmond RC:** enhancement of radiation-induced cell kill by platinum complexes (carboplatin and iproplatin) in V79 cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1419
- Ohara K See Doi K**
- Ohara K; Takeshima T:** tolerance of canine portal vein anastomosis to intraoperative x-irradiation. *Acta Oncol* 1987; 26: 459
- Ohara T See Furuse M**
- O'Hare JP See Tawn DJ**
- Ohie H See Ohnishi K**
- Ohguchi M See Higashi K**
- Ohguchi M See Tsunami H**
- Ohnishi K See Itai Y**
- Ohnishi H See Yoshimura H**
- Ohnishi H; Uchida H; Ohue S; et al:** computed tomography detection of small daughter nodules in hepatocellular carcinoma after iodized oil infusion into the hepatic artery. *CT* 1988; 12: 129
- Ohkuma H See Ebina K**
- Ohlén L; Evers H; Segerström K; et al:** local anaesthetics modifying the dermal response of irradiation: an experimental study. *Acta Oncol* 1987; 26: 467
- Ohman U See Hammarberg C**
- Ohnishi H See Hashimoto H**
- Ohnishi K See Nomura F**
- Ohnishi K See Sato S**
- Ohnishi K; Chin N; Sugita S; et al:** quantitative aspects of portal-systemic and arteriovenous shunts within the liver in cirrhosis. (ab). *Radiology* 1987; 165: 882
- Ohnishi K; Watanabe H; Ohe H; et al:** ultrasound findings in urolithiasis in the lower ureter. *Ultrasound Med Biol* 1986; 12: 577
- Ohnishi M See Nakao N**
- Ohnishi R See Kawakami Y**
- Ohnishi S See Itai Y**
- Ohnmacht SD See Jacob AS**
- Ohno T See Kanoh T**
- Ohno T; Kadoya H; Park F; et al:** case report 382. *Skeletal Radiol* 1986; 15: 478
- Ohshima A See Tanaka S**
- Ohshima M See Togashi K**
- Ohta H; Endo K; Fujita T; et al:** Sipple's syndrome with liver tumors examined by iodine-131 MIBG and technetium-99m(V)-DMSA. *J Nucl Med* 1988; 29: 1130
- Ohta H; Shano F; Endo K; et al:** images of liposarcoma using technetium-99m bleomycin and technetium (V)-99m DMSA. *Clin Nucl Med* 1986; 11: 842
- Ohtake E; Matsui K:** lymphoscintigraphy in patients with lymphedema: new approach using intradermal injections of technetium-99m human serum albumin. *Clin Nucl Med* 1986; 11: 474
- Ohtake T; Nishikawa J; Machida K; et al:** evaluation of regurgitant fraction of the left ventricle by gated cardiac blood-pool scanning using SPECT. *J Nucl Med* 1987; 28: 19
- Ohto M See Ebara M**
- Ohto M See Sumida M**
- Ohtomo K See Furi S**
- Ohtomo K See Itai Y**
- Ohtomo K See Kokubo T**
- Ohtomo K See Yamauchi T**
- Ohtomo K; Furi S; Saito M; et al:** case report: enormous intrahepatic communication between the portal vein and the hepatic vein. *Clin Radiol* 1986; 37: 513
- Ohtomo K; Itai Y; Makita K; et al:** portosystemic collaterals on MR imaging. *JCAT* 1986; 10: 751

Ohtomo

- Ohtomo K; Itai Y; Yoshikawa K; et al: hepatic haemangioma: dynamic MRI using gadolinium-DTPA. *Eur J Radiol* 1987; 7: 257
- Ohtomo K; Itai Y; Yoshikawa K; et al: MR imaging of hepatoma treated by embolization. *JCAT* 1986; 10: 973
- Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Yashiro N; Ito M; Furukawa K: hepatic tumors: dynamic MR imaging. *Radiology* 1987; 163: 27
- Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Ito M: hepatocellular carcinoma and cavernous hemangioma: differentiation with MR imaging: efficacy of T2 values at 0.35 and 1.5 T. *Radiology* 1988; 168: 621
- Ohtsu T See Takayasu K
- Ohuchi H See Kusano S
- Ohue S See Ohishi H
- Ohyan N See Fujioke M
- Ohyanagi M See Todo Y
- Ohzono K See Saito S
- Oi H See Nakamura H
- Okawa M See Onodera H
- Ojry J See Biscay P
- Ojemann RG See New PFJ
- Ok ID See Choi BI
- Okada M See Uchida F
- Okada RD See Stratemeyer EJ
- Okada RD See Wilson RA
- Okada Y See Itai Y
- Okajima T See Matsumoto SC
- Okamoto E See Nakao N
- Okamura S See Matsuda T
- Okamura S See Shimizu K
- Okamura T See Tsuha M
- Okamura Y See Harada T
- Okawa T; Kita M; Goto M; et al: radiation therapy alone in the treatment of carcinoma of the uterine cervix: review of experience at Tokyo Women's Medical College (1969-1983). *Int J Radiat Oncol Biol Phys* 1987; 13: 1845
- Okazaki H See Miller GM
- Okazaki JR; Wilson JL; Holmes SM; et al: dirosopus: diagnosis in utero. *AJR* 1987; 149: 147
- Okazaki N See Yoshida T
- Oke EJ See Griffin DJ
- Oke EJ See Johnson CD
- Oke EJ See Perlmutt LM
- Oke EJ See Sussman SK
- O'Keefe F See Bartlett JG
- O'Keefe D See Wolfe BK
- O'Keefe D; Gholkar A: metastatic adenocarcinoma of the paraspinal muscles. *Br J Radiol* 1988; 61: 849
- O'Keefe F See Moran V
- O'Keefe FN; Carrasco CH; Charnsangavej C; et al: arterial embolization of adrenal tumors: results in nine cases. *AJR* 1988; 151: 819
- Okerlund MD See Aufermann W
- Okerlund MD See Engelstad BL
- Okerlund MD See Gooding GAW
- Okerlund MD See Ling MCC
- Okerlund MD See Peck WW
- Okimura T See Higashi K
- Okken A See Baarsma R
- Okolo AA See Odita JC
- Okon E See Libson E
- Okorie M See Carver RA
- Okrent DH See Demos TC
- Okaana V See Ketonen L
- Oku T See Sutton CS
- Okuda B See Uchida F
- Okuda K See Ebara M
- Okuda K See Nomura F
- Okuda K See Sato S
- Okudaira Y See Ikeda H
- Okudaira Y See Ishibashi H
- Okunieff P See Koutcher JA
- Okunieff P; Ramsay J; Tokuhiko T; et al: estimation of tumor oxygenation and metabolic rate using ³¹P MRS: correlation of longitudinal relaxation with tumor growth rate and DNA synthesis. *Int J Radiat Oncol Biol Phys* 1988; 14: 1185
- Okunieff P; Suit H; Propp KH: extremity preservation by combined modality treatment of sarcomas of the hand and wrist. *Int J Radiat Oncol Biol Phys* 1986; 12: 1923
- Okunieff PC; Koutcher JA; Cerwack L; et al: tumor size dependent changes in a murine fibrosarcoma: use of *in vivo* ³¹P NMR for non-invasive evaluation of tumor metabolic status. *Int J Radiat Oncol Biol Phys* 1986; 12: 793
- Okuno T See Ochi J
- Olak J; Christou NV; Stein LA; et al: operative versus percutaneous drainage of intraabdominal abscesses: comparison of morbidity and mortality. (ab). *Radiology* 1986; 160: 284
- Oland J See Bistrizer T
- Olano W See Drayer BP
- O'Laughlin BJ See Boechat MI
- O'Laughlin MP; Huhta JC; Murphy DJ Jr: ultrasound examination of extracardiac chest masses in children: Doppler diagnosis of a vascular etiology. *J Ultrasound Med* 1987; 6: 151
- Olazabal A See Mata JM
- Olazabal A; Mata JM; Rams A: anomalous inferior vena cava with lumbar vein thrombosis: CT diagnosis. *Eur J Radiol* 1987; 7: 220
- Olcott C IV See Bowles CR
- Oldfield E See Di Chiro G
- Oldfield E See Doppman JL
- Oldfield EH See Doppman JL
- Oldfield EH See Dwyer AJ
- Oldfield EH See Saris SC
- Oldham SA See Ihmeland IH
- Oldham SA; Jacobson F: radiologic-pathologic-clinical correlation in mechanisms of disease course. *Invest Radiol* 1986; 21: 365
- Olds MO See Nyberg DA
- O'Leary DH See McAllister MD
- O'Leary DH See Polak JF
- O'Leary DH See Wang A-M
- O'Leary DH; Holen J; Ricotta JJ; Roe S; Schenk EA: carotid bifurcation disease: prediction of ulceration with B-mode US. *Radiology* 1987; 162: 523
- O'Leary DH; Kane RA; Chase BM: prospective study of the efficacy of B-scan sonography in the detection of deep venous thrombosis in the lower extremities. *JCU* 1988; 16: 1
- O'Leary DJ; Hawkes SP; Wade CG: indirect monitoring of carbon-13 metabolism with NMR: analysis of perfusate with a closed-loop flow system. *Magn Res Med* 1987; 5: 572
- O'Leary MP See DeLaney TF
- O'Leary PF See Abdelwahab IF
- O'Leary T See Paastika B
- O'Leary TJ See Miller DL
- Olen DW See Retrum RK
- Oleson GB See Gabriel SE
- Oleszczuk-Raszke K; Cremin BJ: computed tomography in pulmonary papillomatosis. *Br J Radiol* 1988; 61: 160
- Olin JW; Young JR; Graor RA; et al: treatment of deep vein thrombosis and pulmonary emboli in patients with primary and metastatic brain tumors: anticoagulants or inferior vena cava filter? (ab). *Radiology* 1988; 167: 885
- Oliver JD See Spotnitz WD
- Oliphant L; McFadden RG; Carr TJ; et al: magnetic resonance imaging to diagnose intralobar pulmonary sequestration. (ab). *Radiology* 1988; 166: 292
- Oliphant M See Meyers MA
- Oliphant M; Berne AS: aggressive neuroblastoma simulating Wilms tumor. *Radiology* 1988; 167: 878
- Oliphant M; Berne AS: mechanism of direct spread of abdominal neuroblastoma: CT demonstration and clinical implications. *Gastrointest Radiol* 1987; 12: 59
- Oliphant M; Berne AS; Meyers MA: imaging the direct bidirectional spread of disease between the abdomen and the female pelvis via the subperitoneal space. *Gastrointest Radiol* 1988; 13: 285
- Olivari M-T See Andreone PA
- Olive PL See Chaplin DJ
- Olive PL See Durand RE
- Olive PL; Chan AF; Cu CS; et al: extending the range of sensitivity for detecting DNA strand breaks. *Br J Radiol* 1988; 61: 69
- Olive PL; Chaplin DJ: oxygen and nitroreductase-dependent binding of AF-2 in spheroids and murine tumors. *Int J Radiat Oncol Biol Phys* 1986; 12: 1247
- Olive PL; Durand RE; Chaplin DJ: cytotoxicity of RSU 1069 in spheroids and murine tumors. *Int J Radiat Oncol Biol Phys* 1987; 13: 1361
- Oliverson H See Abdel-Dayem HM
- Olivier E See Amendola BE
- Olivier A See Peters TM
- Olivier A See Podgorsak EB
- Olivetto I See Laukkanen E
- Olmastroni M See Bartolozzi C
- Olmos RAV; Nubé MJ; de Pont CWJ: bone imaging—“cold rib” sign in bone destruction with adjacent soft tissue mass. *Semin Nucl Med* 1988; 18: 162
- Olmosted WW See Bowen B
- Olmosted WW See Dachman AH
- Olmosted WW See Ros PR
- Olmosted WW; Barrett's esophagus—pathophysiology, diagnosis, and management. *Radiology* 1986; 158: 604
- Olmosted WW: computed tomography of the gastrointestinal tract. *Radiology* 1987; 165: 414
- Olmosted WW: double contrast examination of the colon: principles and practice. *Radiology* 1986; 160: 32
- Olmosted WW: double contrast radiology of the esophagus. *Radiology* 1986; 159: 64
- Olmosted WW: exocrine pancreas: biology, pathobiology, and diseases. *Radiology* 1986; 161: 446
- Olmosted WW: gallbladder and bile duct imaging: a clinical radiologic approach. *Radiology* 1988; 168: 302
- Olmosted WW: polypoid disease of the colon: emphasis on radiologic evaluation. *Radiology* 1987; 163: 38
- Olmosted WW: radiology of the liver, biliary tract, pancreas, and spleen. *Radiology* 1987; 165: 56
- Olmosted WW: self assessment in radiology and imaging 2: gastro-intestinal radiology. *Radiology* 1986; 160: 388
- Olmosted WW; Ros PR; Hjertstad BM; et al: tumors of the small intestine with little or no malignant predisposition: review of the literature and report of 56 cases. *Gastrointest Radiol* 1987; 12: 231
- Olmosted WW; Ros PR; Sobin LH; Dachman AH: solitary colonic polyp: radiologic-histologic differentiation and significance. *Radiology* 1986; 160: 9
- Oloff LM See Solomon MA
- Olofsson J See Franzén G
- Olofsson J See Aufermann W
- Olson GA See Linder J
- Olson JJ See Stolk JA
- Olson JO See Beltran J
- Olson P See Hugosson CO
- Olson TS See Anderson AR
- Olson WL See Sze G
- Olson WL See Winkler ML
- Olson WL; Brant-Zawadzki M; Hodes J; Norman D; Newton TH: giant intracranial aneurysms: MR imaging. *Radiology* 1987; 163: 431
- Olson WL; Dillon WP; Kelly WM; et al: MR imaging of paragangliomas. *AJNR* 1986; 7: 1039
- Olson WL; Jeffrey RB Jr; Sooy CD; et al: lesions of the head and neck in patients with AIDS: CT and MR findings. *AJNR* 1988; 9: 693
- Olson WL; Jeffrey RB Jr; Tolentino CS: closed system for arterial puncture in patients at risk for AIDS. *Radiology* 1988; 166: 551
- Olson WL; Longo FM; Mills CM; Norman D: white matter disease in AIDS: findings at MR imaging. *Radiology* 1988; 169: 445
- Olson WL; Winkler ML; Ross DA: carcinomatous encephalitis: CT and MR findings. *AJNR* 1987; 8: 553
- Olson DL See Chintapalli K
- Olson DL; Dodds WJ; Stewart ET; et al: efficacy of an intracavitary filter for improved pneumococcal decubitus radiographs. *AJR* 1987; 148: 547
- Olson DO See Porter BA
- Olson DO See Stimar GK
- Olson DO; Shields AF; Scheurich CJ; et al: magnetic resonance imaging of the bone marrow in patients with leukemia, aplastic anemia, and lymphoma. *Invest Radiol* 1986; 21: 540
- Olson LK See Hilton SvW
- Olson M; Posniak H: CT characteristics of a hyperdense renal mass due to Richter syndrome. *JCAT* 1988; 12: 669
- Olson MA See Woodring JH
- Olson MA; Becker GJ: scimitar syndrome: CT findings in partial anomalous pulmonary venous return. *Radiology* 1986; 159: 25
- Olson R See Henderson JM
- Olson SL See Fam BW
- Olson SL; Fam BW; Winter PF; Scholz FJ; Lee AK; Gordon SE: breast calcifications: analysis of imaging properties. *Radiology* 1988; 169: 329
- Olsson AM See Ekelund L
- Olsson AM See Samuelsson L
- Olsson CA See Amis ES Jr
- Olsson M See Holtis J
- Olsson M See Tennvall J
- Olsson MBE; Persson BRB; Salford LG; et al: ferromagnetic particles as contrast agent in T2 NMR imaging. *Magn Res Imag* 1986; 4: 437
- Olsson R See Borgström PS
- Olutola PS See Taucer F
- Olutola PS; Hutton L; Karlik S; et al: Renografin-60 for urography: effect on serum electrolytes and proteins in adults. *AJR* 1986; 147: 839
- Olutola PS; Hutton L; Wall WJ: radiologic assessment of bile duct complications in liver transplantation: initial experience. *J Canad Assoc Radiol* 1986; 37: 276
- O'Malley BP See Walmsley D
- Omar YI See Ahmed MJ
- O'Mara RE: financial independence: doctor's guide. *Radiology* 1986; 161: 706
- O'Mara RE: nuclear diagnostic imaging. *Radiology* 1988; 166: 346
- O'Mara RE: nuclear medicine in clinical oncology: current status and further aspects. *Radiology* 1986; 161: 652
- O'Mara RE: physician's guide to computers and computing. *Radiology* 1986; 160: 104
- Omenaca F See Gilman V
- Omen JA See Odita JC
- Omile MR See Schellhas KP

- Ominsky S See Wall SD
 Ominsky SH See Sickles EA
 Omlie MR See Schellhas KP
 O'Moore PV; Mueller PR; Simeone JF; et al: sonographic guidance in diagnostic and therapeutic interventions in the pleural space. *AJR* 1987; 149: 1
 Omura G See Hornback NB
 O'Murchadha MT; Wolf BC; Neiman RS: histologic features of hyperplastic lymphadenopathy in AIDS-related complex are nonspecific. (ab). *Radiology* 1987; 164: 296
 O'Neil MF; Amparo EG: MR demonstration of extensive pelvic involvement in vulvar hemangiomas. *JCAT* 1988; 12: 219
 O'Neil RA; Albertyn LE; Perrett LV; et al: computed tomography of adult herpes simplex encephalitis. *Australas Radiol* 1987; 31: 357
 O'Neil T See Upadhyay SS
 O'Neill BF See Jack CR Jr
 O'Neill JA See Mahboubi S
 O'Neill JA Jr See Lewis VD III
 O'Neill M See Kweka EL
 O'Neill MJ See Lam KS
 O'Neill MJ See Lee D-J
 O'Neill P See Silver ARJ
 Ong E See Hahn FJ
 Ong E; Williams SM; Anderson JC; et al: MR imaging of a hepatoma associated with Alagille syndrome. *JCAT* 1986; 10: 1047
 Ongeng F See Goldfarb CR
 Ongeng F See Jackson ML
 Ongeng F See Kuhn MJ
 Ongeng F See Zuckler LS
 Ongeng F; Goldfarb CR: inguinal hernia detected by bone scan. *Clin Nucl Med* 1987; 12: 323
 Onik G See Costello P
 Onik G; Cobb G; Cohen J; Zabkar J; Porterfield R: US characteristics of frozen prostate. *Radiology* 1988; 168: 629
 Onik G; Cosman E; Wells T; et al: CT body stereotaxic system for placement of needle arrays. *Int J Radiat Oncol Biol Phys* 1987; 13: 121
 Onik G; Cosman ER; Wells TH Jr; Goldberg HI; Moss AA; Costello P; Kane RA; Hodnick WJ; Demas B: CT-guided aspirations for the body: comparison of hand guidance with stereotaxis. *Radiology* 1988; 166: 389
 Onik G; Costello P; Cosman E; et al: CT body stereotaxis: aid for CT-guided biopsies. *AJR* 1986; 146: 163
 Onik G; Kane R; Steele G; et al: monitoring hepatic cryosurgery with sonography. *AJR* 1986; 147: 665
 Onik G; Maroon J; Helms CA; Schweigel J; Mooney V; Kahanovitz N; Day A; Morris J; McCulloch JA; Reicher MA: automated percutaneous diskectomy: initial patient experience: work in progress. *Radiology* 1987; 162: 129
 Onitsuka H See Tomooka Y
 Ono J See Kato H
 Ono K See Doi K
 Ono K See Saito S
 Ono K See Tsutsui K
 Ono K; Komuro C; Nishidai T; et al: radiosensitizing effect of misonidazole in combination with an inhibitor of glutathione synthesis in murine tumors. *Int J Radiat Oncol Biol Phys* 1986; 12: 1661
 Ono K; Komuro C; Nishidai T; et al: radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors. *Int J Radiat Oncol Biol Phys* 1986; 12: 1843
 Ono K; Shrieve DC: enhancement of EMT6/SF tumor cell killing by mitomycin C and cyclophosphamide following in vivo administration of buthionine sulfoximine. *Int J Radiat Oncol Biol Phys* 1986; 12: 1175
 Ono S See Otsuka N
 Ono S; Fukunaga M; Otsuka N; et al: visualization of ocular melanoma with N-isopropyl-p-(¹²⁵I)-iodoamphetamine. *J Nucl Med* 1988; 29: 1448
 Ono T See Nishimura Y
 Ono Y See Sata T
 Ono Y See Shioya S
 Onodera H; Oikawa M; Abe M; et al: cutaneous seeding of hepatocellular carcinoma after fine-needle aspiration biopsy. *J Ultrasound Med* 1987; 6: 273
 Onofrio BM See Houser OW
 Onohara S; Kobayashi H; Itoh Y; et al: intra-arterial cis-platinum infusion with sodium thiosulfate protection and angiotensin II induced hypertension for treatment of hepatocellular carcinoma. *Acta Radiol* 1988; 29: 197
 Onohara Y See Takebayashi S
 Onoyama Y See Inoue Y
 Ooms ECM See Puytlaert JBCM
 Oomura M See Nee DA
 Oosten HR See Piers DA
 Oosterwijk E See van Dijk J
 Oot RF See Meyer JE
 Oot RF; Melville GE; New PFJ; et al: role of MR and CT in evaluating clival chondromas and chondrosarcomas. *AJNR* 1988; 9: 715
 Oot RF; New PFJ; Pile-Spellman J; et al: detection of intracranial calcifications by MR. *AJNR* 1986; 7: 801
 Oot RF; Parizel PM; Weber AL: computed tomography of osteogenic sarcoma of nasal cavity and paranasal sinuses. *JCAT* 1986; 10: 409
 Opal SM See Fluss JL
 Op den Orth JO: multiphasic examinations of the stomach. *Radiology* 1987; 165: 583
 Op den Orth JO: pancreatic pseudomas caused by the second portion of the duodenum: pitfall during water-aided sonography (technical note). *AJR* 1986; 147: 281
 Op den Orth JO: prepancreatic fat deposition: possible pitfall in pancreatic sonography. *AJR* 1986; 146: 1017
 Op den Orth JO: sonography of the pancreatic head aided by water and glucagon. *Radiographics* 1987; 7: 85
 Ophir J See Zaltzman S
 Oppelt A See Graumann R
 Oppenheim BE; Krephaw JD: dynamic hepatobiliary SPECT: a method for tomography of a changing radioactivity distribution. *J Nucl Med* 1988; 29: 98
 Or I; Roguin N; Yahalom M; et al: pacemaker implantation in a patient with a Behcet's disease associated with superior vena cava obstruction. *Cardiovasc Intervent Radiol* 1986; 9: 13
 Oranje AP See Mulder LJMM
 Oranje AP See Schut JM
 Oravez WT See Montner SM
 Orazi C See Colavita N
 Orda R; Sayfan J; Manor H; et al: diagnosis of varicocele and postoperative evaluation using inguinal ultrasonography. (ab). *Radiology* 1988; 166: 910
 Ordeberg G See Hägglund G
 Order SE See Kuhlman JE
 Order SE See Stillwagon GB
 Order SE: isotopic immunotherapy: radiolabelled antibody. *Int J Radiat Oncol Biol Phys* 1988; 14: 577
 Order SE; Klein JL; Lechner PK; et al: ⁹⁰yttrium antiferritin—new therapeutic radiolabeled antibody. *Int J Radiat Oncol Biol Phys* 1986; 12: 277
 Ordridge RJ See Chapman B
 Ordridge RJ See Jue T
 Ordridge RJ See Lohman JAB
 Ordridge RJ: random noise selective excitation pulses. *Magn Res Med* 1987; 5: 93
 Ordridge RJ; Coxon R; Howseman A; et al: snapshot head imaging at 0.5 T using the echo planar technique. *Magn Res Med* 1988; 8: 110
 O'Reilly GV See Bartynski WS
 O'Reilly GV See Brooks M
 O'Reilly GV See Kleefeld J
 O'Reilly GV See Poser CM
 O'Reilly PH: diuresis renography 8 years later: update. (ab). *Radiology* 1987; 163: 589
 O'Reilly TJ See Moran KT
 Orel SG; Nussbaum AR; Sheth S; et al: duodenal hematoma in child abuse: sonographic detection. *AJR* 1988; 151: 147
 Orel SG; Rubenstein S; Jones B; et al: computed tomography vs barium studies in the acutely symptomatic patient with Crohn disease. *JCAT* 1987; 11: 1009
 Orense M; Hernandez JBG; Celorio C; et al: pyloric atresia associated with epidermolysis bullosa. *Pediatr Radiol* 1987; 17: 435
 Orenstein M See Suster B
 Orenstein M; Webber CA; Cash M; et al: value of bronchoalveolar lavage in the diagnosis of pulmonary infection in acquired immune deficiency syndrome. (ab). *Radiology* 1987; 162: 290
 Oreopoulos DG See Meema HE
 Orihuela E See Smith AD
 O'Riordan D See Herlinger H
 O'Riordan D; Levine MS; Laufer I: acute alcoholic esophagitis. *J Canad Assoc Radiol* 1986; 37: 54
 Orita T; Fujii M; Hayashi M; et al: brain abscess with hemorrhage. *Neuroradiol* 1987; 29: 576
 Orlandi C; Blackshear JL; Hollenberg NK: serotonin-induced visualization of the popliteal lymph node by angiography: unique microvascular response to serotonin. *Invest Radiol* 1986; 21: 201
 Orlans FB: research protocol review for animal welfare. *Invest Radiol* 1987; 22: 253
 Orlov EL See Willett CG
 Ormerod TEC See Johnson G
 Ormerod TEC See Miller DH
 Ormon M; Kispert DB; Sharbrough FW; Houser OW; Earnest F IV; Scheithauer BW; Laws ER Jr: cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies. *Radiology* 1986; 160: 215
 Ormon ML; Charboneau JW; Stephens DH: sonography in patients with a possible pancreatic mass shown on CT. *AJR* 1987; 148: 551
 Orphanoudakis SC See Majumdar S
 Orr FW See Manishan WJ
 Orr J See Kimmie-Smith C
 Orr JA See Duncan W
 Orr JB; Todd NW: jugular bulb position and shape are unrelated to temporal bone pneumatization. (ab). *Radiology* 1988; 169: 590
 Orr JS See Podo F
 Orr N See Lovett I
 Orr NM; Doust BD: impact of intravenous digital subtraction angiography on the evaluation of carotid artery disease: review of the first 600 cases. *Australas Radiol* 1988; 32: 21
 Orringer MB See Glazer GM
 Orringer MB See Goldfaden D
 Orringer MB See Gross BH
 Orringer MB See Platt JF
 Orringer MB See Quint LE
 Orringer MB: transhiatal esophagectomy for benign disease. (ab). *Radiology* 1986; 160: 283
 Orrison WW See Kinard RE
 Orson DE See Barek I
 Orson DE See Kim D
 Orson DE; Porter DH; Kim D; et al: false-positive aortography following blunt chest trauma: case report. *Cardiovasc Intervent Radiol* 1988; 11: 132
 Orsini LF See Pili G
 Orsmond GS See Jaffe RB
 Ort F See Firooznia H
 Ortega A See Romero FJ
 Ortega E See Longo JM
 Ortega E See Serrano MAP
 Ortega HV See Teitelbaum GP
 Ortega J See Borchard MI
 Ortega W; Mahboubi S; Dalinka MK; et al: computed tomography of rib hemangiomas. *JCAT* 1986; 10: 945
 Ortendahl DA See Carlson J
 Ortendahl DA See Crooks LE
 Ortendahl DA See Mills TC
 Ortendahl DA See Schmiedl U
 Ortendahl DA See Tropp JS
 Ortendahl DA See Winkler ML
 Ortendahl DA: whole-body MR imaging and spectroscopy at 4 T: where do we go from here? *Radiology* 1988; 169: 864
 Ortendahl DA; Posin JP; Hylton NM; et al: optimal visualization of the cerebrospinal fluid on MRI. *AJNR* 1986; 7: 403
 Orth S See Dinkel E
 Ortiz A See Vega A
 Ortmann-Nabi JA See Abdel-Nabi HH
 Orton CG: unified approach to dose-effect relationships in radiotherapy. II: inhomogeneous dose distributions. *Int J Radiat Oncol Biol Phys* 1988; 14: 557
 Orton CG; Cohen L: unified approach to dose-effect relationships in radiotherapy. I: modified TDF and linear quadratic equations. *Int J Radiat Oncol Biol Phys* 1988; 14: 549
 Orton CG; Wolf-Koenig S: dose dependence of complication rates in cervix cancer radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 37
 Orton DF See Kaplan PA
 Orton EC See McChesney SL
 Orwig DS; Jeffrey RB Jr: CT of false-negative peritoneal lavage following blunt abdominal trauma. *JCAT* 1987; 11: 1079
 Orzel JA See Brantley SD
 Orzel JA See Conte FA
 Orzel JA See Ramos-Gabatin A
 Orzel JA See Sawaf NW
 Orzel JA See Sullivan WT
 Orzel JA See Yoo JHK
 Orzel JA; Baisden CE: scintigraphic documentation of hemorrhage from coronary artery bypass graft. *Clin Nucl Med* 1986; 11: 760
 Orzel JA; Jaffers GJ: menstruation: hazard in radionuclide renal transplant evaluation. *Clin Nucl Med* 1986; 11: 409
 Orzel JA; Krueyer WB; Borchard RT: radioiodine therapy of hyperthyroidism precludes thallium-201 myocardial scintigraphy. *Clin Nucl Med* 1987; 12: 110
 Orzel JA; Monaco MP: inadvertent ligation of the left pulmonary artery instead of patent ductus arteriosus: noninvasive diagnosis by pulmonary perfusion imaging. *Clin Nucl Med* 1986; 11: 629
 Orzel JA; Sawaf NW; Richardson ML: lymphoma of the skeleton: scintigraphic evaluation. *AJR* 1988; 150: 1095
 Orzincolo C See Scutellari PN
 Orzincolo C; Castaldi G; Bariani L; et al: circumscribed lytic lesions of the thalassæmic skull. *Skeletal Radiol* 1988; 17: 344
 Orzincolo C; Castaldi G; Scutellari PN; et al: aseptic necrosis of femoral head complicating thalassæmia. *Skeletal Radiol* 1986; 15: 541
 Orzincolo C; Corcione S; Bighi S; et al: oculo-auro-vertebral dysplasia: case report. *Pediatr Radiol* 1987; 17: 330

- Osaki I See Berry I
 Osaki I See Brant-Zawadzki M
 Osaki I See Didier D
 Osbakken M; Ligeti L; Clark BJ; et al: myocardial high energy phosphate metabolism in closed chest dog: creation of an animal model, *Magn Res Med* 1986; 3: 801
 Osbakken M; Young M; Huddell J; et al: acute volume loading studied in cat myocardium with ^{31}P nuclear magnetic resonance, *Magn Res Med* 1988; 7: 143
 Osbakken MD See Lacomis D
 Osbakken MD See Ligeti L
 Osbakken MD; Griffith J; Taczanowsky P: gross morphologic, histologic, hematologic, and blood chemistry study of adult and neonatal mice chronically exposed to high magnetic fields, *Magn Res Med* 1986; 3: 502
 Osbakken MD; Kreider JW; Taczanowsky P: nuclear magnetic resonance imaging characterization of a rat mammary tumor, *Magn Res Med* 1986; 3: 1
 Osborn AG See Armstrong WG
 Osborn AG See Calit WE
 Osborn AG See Ferris EJ
 Osborn AG See Hardin CW
 Osborn AG See Harnsberger HR
 Osborn AG See Jacobs CJM
 Osborn AG See Manaster BJ
 Osborn AG See Smoker WRK
 Osborn AG; Harnsberger HR; Smoker WRK: base of the skull imaging, *Semin US CT MR* 1986; 7: 91
 Osborn AG; Hood RS; Sherry RG; et al: CT/MR spectrum of far lateral and anterior lumbosacral disk herniations, *AJNR* 1988; 9: 775
 Osborn RE See Byrd SE
 Osborn RE See Naidich TP
 Osborn RE See Randall BC
 Osborn RE; DeWitt JD; Lester PD; et al: magnetic resonance imaging of an orbital varix with CT and ultrasound correlation, *Comput Radiol* 1986; 4: 155
 Osborn RF; Kirk G: cerebral arterial fenestration, *Comput Radiol* 1987; 11: 141
 Osborn RE; Mojtabedi S: CT myelography of cauda equina actinomycosis, *JCAT* 1987; 11: 361
 Osborn RE; Mojtabedi S: paraganglioma metastatic to the cervical spine, *Comput Radiol* 1986; 4: 167
 Osborn RE; Mojtabedi S; Hay TC; et al: internal carotid artery hypoplasia, *Comput Radiol* 1986; 10: 283
 Osborne BM See Chen JL
 Osborne DR See Lourie GL
 Osborne JC See Gibney RG
 Osborne JM See Partridge JB
 Osborne JW See Hauer-Jensen M
 Osborne M See Silverman PM
 Osborne M See Wolpert SM
 Osenbach R See Bauman JM
 Osephchuk JM: biological effects and exposure criteria for radiofrequency electromagnetic fields. NCRP report no. 86, *Radiology* 1987; 163: 480
 Oser W See Hugel HE
 Osgood TB See Menard TW
 O'Shea TM See Heullitt MJ
 Oshima S See Murata K
 Oshman DG See Alford BA
 Osman S See Danpure HJ
 Osman S See Roddie ME
 Osmanoglu S See Yilmaz A
 Osenkopp K-F See Innis NK
 Osenkopp K-F See Prato FS
 Osenkopp K-F; Innis NK; Prato FS; et al: behavioral effects of exposure to nuclear magnetic resonance imaging: I. open-field behavior and passive avoidance learning in rats, *Magn Res Med* 1986; 4: 275
 Osteaux M See van Dale P
 Osteaux MJ See Stadnik TW
 Osteaux MJC See Filate I
 Ostern RT See Mentzer SJ
 Ostensen H See Pedersen HK
 Oster J See Costello P
 Oster ZH See Anaise D
 Oster ZH See Atkins HL
 Oster ZH See Som P
 Oster ZH: floating kidney, *Clin Nucl Med* 1988; 13: 541
 Oster ZH: removable hot spot, *Clin Nucl Med* 1988; 13: 376
 Ostergaard E See Edeling C-J
 Ostergaard DR See Bhatia NN
 Osterman FA Jr See White RI Jr
 Osterman FA Jr See Widlund DM
 Ostertag H See Freyachmidt J
 Ostertag H See Holte S
 Ostfeld E; Segal J; Aulander L; et al: fourth pharyngeal pouch sinus, (ab), *Radiology* 1986; 161: 286
 Ostling O; Johansson KJ; Blomquist E; et al: DNA damage in clinical radiation therapy studied by micro-electrophoresis in single tumour cells: a preliminary report, *Acta Oncol* 1987; 26: 45
 Ostromogilsky M See Lizzi FL
 Ostrow D See Staples CA
 Ostrow DN See Müller NL
 Ostrow DN See Munk PL
 Ostrow LB See Quinn DL
 O'Sullivan B See Mackillop WJ
 O'Sullivan M See Gordon AB
 O'Sullivan R; McKenzie A; Hennessy O: value of CT scanning in assessing location and extent of epidural and paraspinal inflammatory conditions, *Australas Radiol* 1988; 32: 203
 Oswald MJ See Carlson LS
 Otero RR See Savader SJ
 Otis CN; Carter D; Cole S; et al: immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma: a bi-institutional study of 47 cases, (ab), *Radiology* 1987; 165: 295
 O'Toole K See Getrajdman GI
 Otsu H See Nishimura A
 Otsuji H See Yoshimura Y
 Otsuka M See Kuwabara Y
 Otsuka N See Ono S
 Otsuka N; Fukunaga M; Ono S; et al: visualization of soft tissue by technetium-99m MDP in polymyositis: case reports, *Clin Nucl Med* 1988; 13: 291
 Otsuka N; Fukunaga M; Sone T; et al: usefulness of bone imaging in diagnosis of sternocostoclavicular hyperostosis, *Clin Nucl Med* 1986; 11: 651
 Ott D See Hennig J
 Ott DJ See Chen YM
 Ott DJ See Gelfand DW
 Ott DJ See Richter JE
 Ott DJ See Zagoria RJ
 Ott DJ; Chen YM; Gelfand DW; et al: analysis of a multiphasic radiographic examination for detecting reflux esophagitis, *Gastrointest Radiol* 1986; 11: 1
 Ott DJ; Chen YM; Gelfand DW; et al: radiographic efficacy in gastric ulcer: comparison of single-contrast and multiphasic examinations, *AJR* 1986; 147: 697
 Ott DJ; Chen YM; Gelfand DW; et al: single-contrast vs double-contrast barium enema in the detection of colonic polyps, *AJR* 1986; 146: 993
 Ott DJ; Chen YM; Wu WC; et al: radiographic and endoscopic sensitivity in detecting lower esophageal mucosal ring, *AJR* 1986; 147: 261
 Ott DJ; Richter JE; Chen YM; et al: esophageal radiography and manometry: correlation in 172 patients with dysphagia, *AJR* 1987; 149: 307
 Ott DJ; Richter JE; Wu WC; et al: radiologic and manometric correlation in "nutcracker esophagus", *AJR* 1986; 147: 693
 Ott RJ See Webb S
 Ott RJ; Bateman JE; Batty V; et al: 3D positron emission tomography: preliminary results, *Br J Radiol* 1986; 59: 419
 Ott RJ; Batty V; Webb S; et al: measurement of radiation dose to the thyroid using positron emission tomography, *Br J Radiol* 1987; 60: 245
 Ott WJ: design and implementation of a computer-based ultrasound data system, *J Ultrasound Med* 1986; 5: 25
 Ottery FD; Carlson RA; Gould H; et al: retrorectal cyst-hamartomas: CT diagnosis, *JCAT* 1986; 10: 260
 Ottinger LW See Mueller PR
 Otto AC See van Aswegen A
 Otto R See Vade A
 Otto R; Henderson R; Dandekar N: MR and CT findings in infected ventricular aneurysm repair, *JCAT* 1987; 11: 1069
 Otto R; Tan WS; Spigos DG: subclavian aneurysm producing the subclavian steal syndrome, *Cardiovasc Intervent Radiol* 1986; 9: 90
 Otto TJ; Strugala H: surgical treatment for myasthenia gravis, (ab), *Radiology* 1987; 165: 592
 O'Tuama LA; Laster DW: oculocerebrorenal syndrome: case report with CT and MR correlates, *AJNR* 1987; 8: 555
 Ouellat J-Y; Duprat G Jr; Laperrière J; et al: pyocolon: an unusual manifestation of colon ischemia, *J Canad Assoc Radiol* 1988; 39: 235
 Oulmet-Oliva D See Baines CJ
 Oumaya A See Ben Dridi MF
 Ous S See Lien HH
 Ous S See von Krogh J
 Oussoren Y See Dewitt L
 Oussoren Y See Stewart FA
 Outwater E; Oates E: condensing osteitis of the clavicle: case report and review of the literature, *J Nucl Med* 1988; 29: 1122
 Ovenfors C-O See Batra P
 Ovenfors C-O: iatrogenic trauma to the thorax, *J Thorac Imag* 1987; 2: 18
 Ovenfors CO; Batra P: diagnosis of peripheral pulmonary emboli by MR imaging: an experimental study in dogs, *Magn Res Imag* 1988; 6: 487
 Overbosch EH See Mali WPTM
 Overby JL See Kitahama A
 Overgaard J See Arcangeli G
 Overgaard J See Bentzen SM
 Overgaard J See Zachariae C
 Overgaard J: role of radiotherapy in recurrent and metastatic malignant melanoma: clinical radiobiological study, *Int J Radiat Oncol Biol Phys* 1986; 12: 867
 Overgaard J; Hansen HS; Jorgensen K; et al: primary radiotherapy of larynx and pharynx carcinoma—an analysis of some factors influencing local control and survival, *Int J Radiat Oncol Biol Phys* 1986; 12: 515
 Overgaard J; Hjelm-Hansen M; Johansen LV; et al: comparison of conventional and split-course radiotherapy as primary treatment in carcinoma of the larynx, *Acta Oncol* 1988; 27: 147
 Overgaard M: spontaneous radiation-induced rib fractures in breast cancer patients treated with postmastectomy irradiation: a clinical radiobiological analysis of the influence of fraction size and dose-response relationships on late bone damage, *Acta Oncol* 1988; 27: 117
 Overton TR See Jelinek J
 Overtoom TMD See ter Berg JWM
 Ovtchinnikov S; Blin D; Rouanet JP; et al: computed tomography of lethal midline granuloma: 5 case reports, *Eur J Radiol* 1988; 8: 145
 Ovtchinnikov V See Rabkin I
 Owen CS See Haselgrove J
 Owen CS See Renshaw PF
 Owen RS; Fishman EK; Healy WL; et al: case report 345, *Skeletal Radiol* 1986; 15: 69
 Owens AF; Logan H; MacElean DF; et al: simplified peripheral arteriography, *Clin Radiol* 1987; 38: 425
 Owens DB See Haaga JR
 Owens OJ; Pollard K; Khoury GG; et al: case report: primary malignant melanoma of the uterine cervix, *Clin Radiol* 1988; 39: 336
 Owunwanne A; Halkar R; Al-Rasheed A; et al: radionuclide imaging of the spleen with heat denatured technetium-99m RBC when the splenic reticuloendothelial system seems impaired, *J Nucl Med* 1988; 29: 320
 Oxenstierna G See Bergstrand G
 Oyen R See Casselman J
 Oyen R See Marchal GJF
 Oyen R See Wilms GE
 Oyen RH; Gielen JL; Baert LV; et al: CT demonstration of a ureterocystic hernia, *Urol Radiol* 1987; 9: 174
 Oyen RH; Gielen JL; van Poppel HP; et al: seminal vesicle cyst and ipsilateral renal agenesis: case report, *Eur J Radiol* 1988; 8: 122
 Oyen RH; Gielen JL; Van Poppel HP; Verbeke EK; Van Damme BJ; Baert LV; Baert AL: renal thorium deposition associated with transitional cell carcinoma: radiologic demonstration in two patients, *Radiology* 1988; 169: 705
 Ozasa H See Nishimura K
 Ozasa H See Togashi K
 Ozawa K See Hayashi N
 Ozawa K See Itoh K
 Ozcan HS See Pedersen PC
 Ozdoba C; Kurtz B: case report 474, *Skeletal Radiol* 1988; 17: 203
 Ozkan K; Gurses N; Gurses N: ultrasonic appearance of tuberculous peritonitis, *JCU* 1987; 15: 350
 Özkilic H See Derin H
 Ozols RF See Lichter AS
 Ozonoff MB See De Orchis D
 Ozonoff MB See Pistoia F
 Ozonoff MB: emergency radiology of the acutely ill or injured child. 2d ed., *Radiology* 1986; 160: 496
 Ozonoff MB: paediatric diagnostic imaging, *Radiology* 1987; 162: 60
 Ozonoff MB; Ziter FMH Jr: femoral head notch, *Skeletal Radiol* 1987; 16: 19

- Paajanen H See Grodd W
 Paajanen H See Montgomery AB
 Paajanen H See Niemi P
 Paajanen H See Revel D
 Paajanen H See Schmiedl U
 Paajanen H; Brasch RC; Dean PB: experimental acute pancreatitis: MR relaxation time studies using gadolinium-DTPA, *Magn Res Med* 1988; 6: 63
 Paajanen H; Brasch RC; Schmiedl U; et al: magnetic resonance imaging of local soft tissue inflammation using gadolinium-DTPA, *Acta Radiol* 1987; 28: 79
 Paajanen H; Grodd W; Revel D; et al: gadolinium-DTPA enhanced MR imaging of intramuscular abscesses, *Magn Res Imag* 1987; 5: 109

- Paajanen H; Satokari K; Uotila P; et al:** prostaglandin levels in human renal venous blood during renal arteriography. *Eur J Radiol* 1986; 6: 132
- Paajanen H; Schmiedl U; Aho HJ; et al:** magnetic resonance imaging of experimental renal hemorrhage. *Invest Radiol* 1987; 22: 792
- Paakkala T See Isolauri K**
- Paavilainen T See Hoikka V**
- Pabico RC See Katzberg RW**
- Pacella J; Ashby M; Ainalie J; et al:** role of radiotherapy in the management of primary cutaneous neuroendocrine tumors (Merkel cell or trabecular carcinoma): experience at the Peter MacCallum Cancer Institute (Melbourne, Australia). *Int J Radiat Oncol Biol Phys* 1988; 14: 1077
- Pacini F See Ceccarelli C**
- Pacini F; Lippi F; Formica N; et al:** therapeutic doses of iodine-131 reveal undiagnosed metastases in thyroid cancer patients with detectable serum thyroglobulin levels. *J Nucl Med* 1987; 28: 1888
- Pacini M See Perri G**
- Packard AB See Summerville DA**
- Packard AB; Treves ST; O'Brien GM; et al:** osmium-191/iridium-191m radionuclide generator using an oxalato osmate parent complex. *J Nucl Med* 1987; 28: 1571
- Packe GE:** large lung bullae in sarcoidosis. (ab). *Radiology* 1987; 163: 838
- Packer R See Nowell MA**
- Packer RJ See Atlas SW**
- Packer RJ See Spagnoli MV**
- Packer RJ; Littman PA; Sposto RM; et al:** results of a pilot study of hyperfractionated radiation therapy for children with brain stem gliomas. *Int J Radiat Oncol Biol Phys* 1987; 13: 1647
- Packer RJ; Zimmerman RA; Bilaniuk LT:** magnetic resonance imaging in the evaluation of treatment-related arterial neurovascular system damage. (ab). *Radiology* 1987; 162: 888
- Packer S See Bosworth JL**
- Packer S See Coderre JA**
- Padayachee TS; Kirkham FJ; Lewis RR; et al:** transcranial measurement of blood velocities in the basal cerebral arteries using pulsed Doppler ultrasound: method of assessing the circle of Willis. *Ultrasound Med Biol* 1986; 12: 5
- Paden F See Beyer RA**
- Padhy AK; Gopinath PG; Basu AK; et al:** scintigraphic findings in a case of hydatid cyst of the liver communicating with the biliary system. *Clin Nucl Med* 1986; 11: 281
- Padhy AK; Gopinath PG; Reddy KG; et al:** serendipity in technetium-99m DTPA renal dynamic study. *Clin Nucl Med* 1987; 12: 31
- Padman R See Mandell RB**
- Padmanabhan S See Lauffer RB**
- Padovani J See Kozlovski K**
- Padovani R See Contento G**
- Padovani R; Contento G; Fabretto M; et al:** patient doses and risks from diagnostic radiology in North-east Italy. *Br J Radiol* 1987; 60: 155
- Padr6 JM See Camar6 ML**
- Padua EM See Feigin DS**
- Paes WE See Mamourian AC**
- Paes RA; Hyde I; Griffiths DM:** management of intussusception. *Br J Radiol* 1988; 61: 187
- Page AC:** critical evaluation of the radial head-capitulum view in elbow trauma. *AJR* 1986; 146: 81
- Page DL See Falke THM**
- Page DL See Tarr RW**
- Page JE; Constant O; Parsons C:** role of abdominal computed tomography in the assessment of patients with malignant tumours of the cervix and body of the uterus. *Clin Radiol* 1988; 39: 273
- Page RL See Knox AJ**
- Paglen PG See Kelly WM**
- Pagny J-Y See Farge D**
- Pagon RO See Nyberg DA**
- Pahira JJ See Barth KH**
- Pahlman I See Adalsteinsson B**
- Pahlman I See Glimelius B**
- Pahlman I; Glimelius B; Glimelius C; et al:** preoperative irradiation of primarily nonresectable adenocarcinoma of the rectum and rectosigmoid. (ab). *Radiology* 1986; 158: 575
- Pai GR; Reed NS; Ruddell WS:** case of mitoxantrone-associated cardiomyopathy without prior antineoplastic therapy. *Br J Radiol* 1987; 60: 1125
- Pai S-C See Ng S-H**
- Paidi M See Vallabhajosula S**
- Paige ML See Mikhael MA**
- Paige R See Hamlin DJ**
- Paille F; Quessell C; Baunin C; et al:** computed arthrography: its role in the screening of joint diseases in pediatric radiology. *Pediatr Radiol* 1988; 18: 386
- Paleroiro PC; Arnold PG:** chest wall tumors: experience with 100 consecutive patients. (ab). *Radiology* 1986; 159: 569
- Pais MJ See Cole-Bougllet CM**
- Pais MJ See Cynlak D**
- Pais MJ See Kantrowitz LR**
- Pais SO See Mirvis SE**
- Pais SO; De Orchi DF; Mirvis SE:** superior vena caval placement of a Kimray-Greenfield filter. *Radiology* 1987; 165: 385
- Pais SO; Mirvis SE; De Orchi DF:** percutaneous insertion of the Kimray-Greenfield filter: technical considerations and problems. *Radiology* 1987; 165: 377
- Pait TG See Nabors MW**
- Paivansalo M See Makarainen H**
- Paivansalo M See Sinilisto T**
- Paivansalo M See Soliva M**
- Paivansalo M; L6hde S:** ultrasonography and computed tomography in pancreatic malignancy. *Acta Radiol* 1988; 29: 343
- Paivansalo M; Merikanto J; Kallioinen M; et al:** ultrasound in the detection of adrenal tumours. *Eur J Radiol* 1988; 6: 163
- Paivansalo M; Suramo I:** ultrasonography of the pancreatic tail through spleen and through fluid-filled stomach. *Eur J Radiol* 1986; 6: 113
- Paivansalo MJ See Sinilisto TMJ**
- Paivansalo MJ; Sinilisto TMJ:** direct visualization of laminar blood flow in abdominal aorta using real-time ultrasound. *JCU* 1986; 14: 135
- Pajak TF See Fazekas J**
- Pajak TF See Kramer S**
- Pajak TF See Leibell SA**
- Pajak TF See Marcial VA**
- Pajunen H See Terrier F**
- Pakter RL See Bowles CR**
- Pakter RL See Dachman AH**
- Pakter RL See Martino CR**
- Pakter RL; Fishman EK; Nusbaum A; et al:** CT findings in splenic hemangiomas in the Klippel-Trenaunay-Weber syndrome. *JCAT* 1987; 11: 88
- Pakter RL; Fishman EK; Zerhouni EA:** calf hematoma—computed tomographic and magnetic resonance findings. *Skeletal Radiol* 1987; 16: 393
- Palacios E See Naidich TP**
- Palacios E See Valvassori GE**
- Palagallo GL See Berkman WA**
- Palavattana C See Juttijudata P**
- Palazzo WL:** bone imaging showing incidental radionuclide exudate. *Clin Nucl Med* 1986; 11: 203
- Paleocandolo P See Tamburri O**
- Palestro C; Fineman D; Goldsmith SJ:** pulmonary scintigraphy in surgically corrected congenital heart disease. *Clin Nucl Med* 1987; 12: 967
- Palestro C; Lawrence LP; Strahan AM; et al:** technetium-99m MDP accumulation in hepatic metastasis from osteogenic sarcoma. *Clin Nucl Med* 1987; 12: 329
- Palestro CJ See Lissann NM**
- Palestro CJ See Rosen JM**
- Palestro CJ; Malat J; Collica CJ; et al:** incidental diagnosis of pregnancy on bone and gallium scintigraphy. *J Nucl Med* 1986; 27: 370
- Palestro CJ; Malat J; Gladstone AG; et al:** gallium scintigraphy in a case of septic cavernous sinus thrombosis. *Clin Nucl Med* 1986; 11: 636
- Palevsky HI See Powe JE**
- Paling MR See Williamson BRJ**
- Paling MR; Abbitt PL; Mugler JF; Brookeman JR:** liver metastases: optimization of MR imaging pulse sequences at 1.0 T. *Radiology* 1988; 167: 695
- Paling MR; Black WC:** quantitation of the prominent medullary pyramidal reappraisal. *J Canad Assoc Radiol* 1986; 37: 90
- Paling MR; Black WC; Levine FA; et al:** tumor invasion of the anterior skull base: a comparison of MR and CT studies. *JCAT* 1987; 11: 824
- Paling MR; Brookeman JR:** respiratory artifacts in MR imaging: reduction by breath holding. *JCAT* 1986; 10: 1086
- Paling MR; Brookeman JR; Mugler JF:** tumor detection with phase-contrast imaging: evaluation of clinical potential. *Radiology* 1987; 162: 199
- Paling MR; Gouse JC:** efficacy of abdominal computed tomography in evaluation of possible abdominal abscess. *CT* 1986; 10: 111
- Paling MR; Pope TL Jr:** computed tomography of isolated osteoblastic colon metastases in the bony pelvis. *CT* 1988; 12: 203
- Paling MR; Pope TL Jr:** variable nature of the mediastinal contour lines: CT/chest radiography correlation. *CT* 1987; 11: 254
- Paling MR; Williamson BRJ:** epicardial fat pad: CT findings. *Radiology* 1987; 165: 335
- Paliwal BR See Sibata CH**
- Palke H See Noetzel MJ**
- Palla A See Parker JA**
- Pallas RS See Sattler LF**
- Palla L; Guidetti R:** cystic pilocytic astrocytomas of the cerebral hemispheres: surgical experience with 51 cases and long-term results. (ab). *Radiology* 1986; 159: 573
- Palmar JC See Dalesandri KM**
- Palmar JC See Rees CR**
- Palmar JC See St. John JN**
- Palmar JC See Sibbitt RR**
- Palmar JC:** balloon-expandable intravascular stent. *AJR* 1988; 150: 1263
- Palmar JC; Garcia F; Sibbitt RR; et al:** expandable intrahepatic portacaval shunt stents in dogs with chronic portal hypertension. *AJR* 1986; 147: 1251
- Palmar JC; Kopp DT; Hayaishi H; Schatz RA; Hunter G; Tio FO; Garcia O; Alvarado R; Rees CR; Thomas SC:** normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting. *Radiology* 1987; 164: 705
- Palmar JC; Richter GM; Noeldge G; Schatz RA; Robinson PD; Gardiner GA Jr; Becker GJ; McLean GK; Denny DF Jr; Lammer J; Paulini RM; Rees CR; Alvarado R; Helms HW; Root HD; Rogers W:** intraluminal stents in atherosclerotic iliac artery stenosis: preliminary report of a multicenter study. *Radiology* 1988; 168: 727
- Palmar JC; Windeler SA; Garcia F; Tio FO; Sibbitt RR; Reuter SR:** atherosclerotic rabbit aorta: expandable intraluminal grafting. *Radiology* 1986; 160: 723
- Palmer AK See Levinsohn EM**
- Palmer D See Lipman B**
- Palmer D; Greenberg P; Cornell P; et al:** radiation therapy for Graves' ophthalmopathy: a retrospective analysis. *Int J Radiat Oncol Biol Phys* 1987; 13: 1815
- Palmer EL See Fischman AJ**
- Palmer EL See Miller SW**
- Palmer EL See Scott JA**
- Palmer FJ See Tierney AB**
- Palmer FJ; R.A.C.R. survey of intravenous contrast media reactions. a preliminary report. Australas Radiol 1988; 32: 8**
- Palmer MR See Chan B**
- Palmeri GMA See Sebes JI**
- Pals M See Swartz HM**
- Pals MA; Swartz HM:** oxygen-dependent metabolism of potential magnetic resonance contrast agents. *Invest Radiol* 1987; 22: 497
- Palta JR; Ayyangar JM; Senthalingam N:** dosimetric characteristics of a 6 MV photon beam from a linear accelerator with asymmetric collimator jaws. *Int J Radiat Oncol Biol Phys* 1988; 14: 383
- Paltiel HJ; Azouz EM; Esseltine DW; et al:** computed tomography in interstitial lung disease. *CT* 1986; 10: 349
- Paltiel HJ; O'Gorman AM; Meagher-Villemeur K; Rosenblatt B; Silver K; Walters GJ:** subacute necrotizing encephalomyelopathy (Leigh disease): CT study. *Radiology* 1987; 162: 115
- Palva T; Lehto V-P; Johnson L-G; et al:** large cholesterol granuloma cysts in the mastoid: clinical and histopathologic findings. (ab). *Radiology* 1986; 161: 862
- Pamile M See Aronen HJ**
- Pamile M See Soliva M**
- Pampati M See Alvarez O**
- Pan G; Shirkhoda A:** pelvic exenteration: role of CT in follow-up. *Radiology* 1987; 164: 665
- Pan G; Wright KC:** clot embolic stroke in the vertebral system of rabbits: a transvenous angiographic technique. *Cardiovasc Intervent Radiol* 1987; 10: 285
- Pan H-B See Chou Y-H**
- Pan F See Moreno AJ**
- Panayiotopoulos CP See Yaqub RA**
- Panchalingam K See Pettigrew JW**
- Pandolfo I; Blandino A; Gaeta M; et al:** calcified peritoneal metastases from papillary cystadenocarcinoma of the ovary: CT features. *JCAT* 1986; 10: 545
- Pandolfo I; Blandino A; Gaeta M; et al:** CT findings in palpable lesions of the anterior abdominal wall. *JCAT* 1986; 10: 629
- Pandolfo I; Gaeta M; Blandino A; et al:** radiology of the pterygoid canal: normal and pathologic findings. *AJNR* 1987; 8: 479
- Panella JS See Agha FP**
- Panella JS See Chen HH**
- Panella JS See Rochester D**
- Pang S-C See Chiang C-W**
- Pani G See Valdagni R**
- Panicek DM See Kenney FJ**
- Panicek DM See Westcott PJ**
- Panicek DM; Benson CB; Gottlieb RH; Heitzman ER:** diaphragm: anatomic, pathologic, and radiologic considerations. *Radiographics* 1988; 8: 385
- Panicek DM; Ewing DK; Gottlieb RH; et al:** gastrostomy tube pancreatitis. *Pediatr Radiol* 1988; 18: 416
- Panicek DM; Ewing DK; Markarian B; Heitzman ER:** interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture. *Radiology* 1987; 162: 165

Panicek

- Panicek DM; Groskin SA; Chung CT; et al: air-fluid level in axillary vein simulating abscess, *CT* 1988; 12: 150
- Panicek DM; Groskin SA; Chung CT; Heitzman ER; Sagerman RH: atypical distribution of pneumocystis carinii infiltrates during radiation therapy, *Radiology* 1987; 163: 689
- Panicek DM; Hartly MP; Scicutella CJ; Carsky EW: calcification in untreated mediastinal lymphoma, *Radiology* 1988; 166: 735
- Panicek DM; Heitzman ER; Ewing DK; Markarian B: interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply, *Radiology* 1987; 164: 286
- Panicek DM; Heitzman ER; Randall PA; Groskin SA; Chew FS; Lane EJ Jr; Markarian B: continuum of pulmonary developmental anomalies, *Radiographics* 1987; 7: 747
- Panicek DM; Leeson SH: superficial facial calcification in epidermolysis bullosa, *AJR* 1987; 148: 577
- Panicek DM; Leeson SH; Hitch DC; et al: perirectal mucocoele after imperforate anus repair, *Pediatr Radiol* 1987; 17: 73
- Panicek DM; Paquet DJ; Clark KG; Urrutia EJ; Brinko RE: hepatic parenchymal gas after blunt trauma, *Radiology* 1986; 159: 343
- Panicek DM; Randall PA; Witkowski LS; Raasch BN; Heitzman ER: chest tube tracks, *Radiographics* 1987; 7: 321
- Panicucci R; McClelland RA; Rauth AM: stable reduction product of misonidazole, *Int J Radiat Oncol Biol Phys* 1986; 12: 1227
- Panidis IP; Mintz GS; McAllister M: hemodynamic consequences of left atrial myxomas as assessed by Doppler ultrasound, (ab), *Radiology* 1987; 162: 886
- Paniel BJ See Buy J-N
- Panigel R See Navon G
- Panis X See Nguyen TD
- Panizza F See Erlebacher JA
- Pant CS See Gupta RK
- Pant CS; Gupta RK: diagnostic value of ultrasonography in hydatic disease in abdomen and chest, *Acta Radiol* 1987; 28: 743
- Panto FN See Davies P
- Panto FN; Davies P: delayed reactions to urographic contrast media, *Br J Radiol* 1986; 59: 41
- Pantoja E: imagerie moderne des tumeurs du foie (current imaging of liver tumors), *Radiology* 1988; 168: 42
- Pantoja E: l'ultrasonographie en pathologie digestive (ultrasound of digestive pathology), 3d ed., *Radiology* 1986; 161: 152
- Panush RS See Longley S
- Panzarella T See Simpson WJ
- Panzer FD See Marx MV
- Panzer M See Knapp WH
- Pao WM; Perez CA; Kuske RR; et al: radiation therapy and conservation surgery for primary and recurrent carcinoma of the vulva: report of 40 patients and a review of the literature, *Int J Radiat Oncol Biol Phys* 1988; 14: 1123
- Paoletti LP See Cronan JJ
- Paoletti P See Miniati M
- Paoletti RM See Palmaz JC
- Papac RJ; Son Y; Bien R; et al: improved local control of thoracic disease in small cell lung cancer with higher dose thoracic irradiation and cyclic chemotherapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 993
- Papademetriou V See Gottdiener JS
- Papademetrio T See Abdel-Dayem HM
- Papageorgiou I See Lüthy P
- Papanicolaou MN; Califf RM; Hlatky MA; et al: prognostic implications of angiographically normal and insignificantly narrowed coronary arteries, (ab), *Radiology* 1987; 164: 293
- Papanicolaou N See Pfister RC
- Papanicolaou N See Zagoria RJ
- Papanicolaou N; Hahn FF; Edelman RR; et al: magnetic resonance imaging of the kidney, *Urol Radiol* 1986; 8: 139
- Papanicolaou N; Harbury OL; Pfister RC: fat-filled postoperative renal cortical defects: sonographic and CT appearance, *AJR* 1988; 151: 503
- Papanicolaou N; Pfister RC; Stafford SA; et al: prostatic abscess: imaging with transrectal sonography and MR, *AJR* 1987; 149: 981
- Papanicolaou N; Pfister RC; Yoder IC: spontaneous and traumatic rupture of renal cysts: diagnosis and outcome, *Radiology* 1986; 160: 99
- Papanicolaou N; Pfister RC; Young HH; et al: percutaneous ultrasound lithotripsy of symptomatic renal calculi in children, *Pediatr Radiol* 1986; 16: 13
- Papanicolaou N; Stafford SA; Pfister RC; Althausen AF; Dretler SP: significant renal hemorrhage following extracorporeal shock wave lithotripsy: imaging and clinical features, *Radiology* 1987; 163: 661
- Papanicolaou N; Wittenberg J; Ferrucci JT Jr; et al: preoperative evaluation of abdominal aortic aneurysms by computed tomography, *AJR* 1986; 146: 711
- Papapoulos SE; Steendijk R; Bijvoet OLM: tumour-like bone lesion as a manifestation of vitamin D-resistant hypophosphataemic osteomalacia, *Br J Radiol* 1987; 60: 285
- Papastassas A See Hermann G
- Papavasiliou C; Gouliamos A; Andreou J: marrow heterotopia in thalassemia, *Eur J Radiol* 1986; 6: 92
- Papavasiliou C; Trakadas S; Gouliamos A; et al: magnetic resonance imaging of marrow heterotopia in haemoglobinopathy, *Eur J Radiol* 1988; 8: 50
- Pape JF See Pedersen HK
- Papiernik E See Fernandez H
- Papillon J: responsibility of radiologists in the preservation of breast and rectum in cancer treatment, *Clin Radiol* 1986; 37: 303
- Papin PJ See Gomes AS
- Papke RA See Bregger RK
- Papke RA See Haughton VM
- Papo J See Halpern Z
- Papo J See Solomon A
- Papoff W See Guleschyn KY
- Papoff W; Reid RH: recurrent gastrointestinal bleeding from jejunal duplication, *Clin Nucl Med* 1986; 11: 754
- Papp MA; Hughes C; Lin JC; et al: Doppler microwave: a clinical assessment of its efficacy as an arterial pulse sensing technique, *Invest Radiol* 1987; 22: 569
- Pappas D; Mirvis SE; Crepps JT: splenic trauma: false-negative CT diagnosis in cases of delayed rupture, *AJR* 1987; 149: 727
- Pappas TN See Mentzer SJ
- Pappata S; Dinh ST; Baron JC; et al: remote metabolic effects of cerebrovascular lesions: magnetic resonance and positron tomography imaging, *Neuroradiol* 1987; 29: 1
- Pappia CH; Argianas SA; Bougas D; et al: unsuspected urological anomalies in asymptomatic cryptorchid boys, *Pediatr Radiol* 1988; 18: 51
- Paquet DJ See Panicek DM
- Paquet DJ; Randall PA; Parker FB: radiographic appearances of the St. Jude medical valve, *J Canad Assoc Radiol* 1988; 39: 186
- Paquet M: echocardiographie bidimensionnelle du nouveau-né au grand enfant (two-dimensional echocardiography—newborn through later childhood), *Radiology* 1986; 158: 808
- Paquin F See Hurtubise M
- Paquin F See Nicolet V
- Parad RB See Gittlin JD
- Parides JG; Schneider M; Koizumi J; et al: percutaneous needle biopsy of deep pelvic masses: posterior approach, *Cardiovasc Intervent Radiol* 1986; 9: 65
- Pardo J See Madrid G
- Pare JAF See Schraufnagel DE
- Pare P See Müller NL
- Parekh B See Vengasarkar US
- Parekh BC See Block RE
- Parekh NJ See Wolfe JN
- Parekh NJ; Wolfe JN: localization device for occult breast lesions: use in 75 patients, *AJR* 1987; 148: 699
- Parienty RA; Marichez M; Pradel J; et al: pararenal pseudotumors of the diaphragm: computed tomographic features, *Gastrointest Radiol* 1987; 12: 151
- Parienty RA; Vallancien G; Pradel J; et al: CT features of perirectal fascia thickening after transurethral resection of prostatic adenoma, *JCAT* 1987; 11: 92
- Parikh VP; Talwar I: computed tomography of hemorrhage in a pituitary adenoma without apoplexy, *CT* 1988; 12: 187
- Paris F See Moreno-Onset E
- Paris RA See Rivara FP
- Parish D See Burbank F
- Parish DM See Zerhouni EA
- Parish RA See Rivara F
- Parizel FM See Oot RF
- Parizel FM See Roodhooft AM
- Parizel FM; Dumon J; Vossen P; et al: tricho-rhino-phalangial syndrome revisited, *Eur J Radiol* 1987; 7: 154
- Park C See Traflet R
- Park CH See Desai AG
- Park CH See Greenberg SB
- Park CH See Intenzo CM
- Park CH See Kim SM
- Park CH See Levy HA
- Park CH See Madsen MT
- Park CH See March DE
- Park CH See Nath R
- Park CH See Raisis IP
- Park CH See Simerman L
- Park CH; Intenzo C; Cohn HE: dual tracer imaging for localization of parathyroid lesions, *Clin Nucl Med* 1986; 11: 237
- Park CH; Madsen MT; McLellan T; Schwartzman RJ: iofetamine HCl 1-123 brain scanning in stroke: a comparison with transmission CT, *Radiographics* 1988; 8: 305
- Park CH; Suh JH; Yoo HS; et al: evaluation of intrahepatic I-131 Ethiodol on a patient with hepatocellular carcinoma: therapeutic feasibility study, *Clin Nucl Med* 1986; 11: 514
- Park CH; Suh JH; Yoo HS; Lee JT; Kim DL; Lee KS: iodine-131-labeled Lipiodol retention within hepatic cavernous hemangioma, *Radiology* 1987; 163: 283
- Park CH; Thakur ML; Madsen MT: distribution of iodized oil within the liver after hepatic arterial injection, *Radiology* 1987; 164: 585
- Park HJ See Austin CB
- Park H-M See Boyko OB
- Park H-M See Schauwecker DS
- Park H-M; duCret RP; Brindley DC: pulmonary imaging in fat embolism syndrome, *Clin Nucl Med* 1986; 11: 521
- Park H-M; Gudkese DB; Clark SA; et al: skeletal metastasis from gastrinoma: uncommon manifestation of pancreatic endocrine tumor, *Clin Nucl Med* 1986; 11: 799
- Park H-M; Kernek CB; Robb JA: early scintigraphic findings of occult femoral and tibial fractures in infants, *Clin Nucl Med* 1988; 13: 271
- Park H-M; Tarver RD; Schauwecker DS; et al: spurious thyroid cancer metastasis: saliva contamination artifact in high dose iodine-131 metastases survey, *J Nucl Med* 1986; 27: 634
- Park H-M; Tarver RD; Siddiqui AR; et al: efficacy of thyroid scintigraphy in the diagnosis of intrathoracic goiter, *AJR* 1987; 148: 527
- Park HW; Cho ZH: high-resolution human in vivo spectroscopic imaging using echo-time encoding technique, *Magn Res Med* 1986; 3: 448
- Park HW; Cho MH; Cho ZH: real-value representation in inversion-recovery NMR imaging by use of a phase-correction method, *Magn Res Med* 1986; 3: 15
- Park HW; Kim YH; Cho ZH: fast gradient-echo chemical-shift imaging, *Magn Res Med* 1988; 7: 340
- Park HW; Kim DJ; Cho ZH: gradient reversal technique and its applications to chemical-shift-related NMR imaging, *Magn Res Med* 1987; 4: 526
- Park JH See Choe YH
- Park JH See Choi BI
- Park JH See Im J-G
- Park JH; Choi BI; Han MC; Sung KB; Choo IW; Kim CW: percutaneous removal of residual intrahepatic stones, *Radiology* 1987; 163: 619
- Park JH; Jeon SC; Kang HS; et al: transcatheter renal arterial embolization with the mixture of ethanol and iodized oil (Lipiodol®), *Invest Radiol* 1986; 21: 577
- Park JH; Yoon YS; Yeon KM; Han MC; Kim C-W; Oh BH; Lee YW: percutaneous pulmonary valvuloplasty with a double-balloon technique, *Radiology* 1987; 164: 715
- Park MI See Kim DS
- Park P See Ohno T
- Park SB See Jang HS
- Park TS; Cail WS; Maggio WM; et al: progressive spasticity and scoliosis in children with myelomeningocele: radiological investigation and surgical treatment, (ab), *Radiology* 1986; 158: 285
- Park WC See Reed WF
- Park Y See Chan T
- Park Y-D See Nishimura T
- Park YS See Gilbert LA
- Parker AC See Taylor RE
- Parker BR See Bronk JB
- Parker BR See Fischer AF
- Parker BR See Gilbert TJ
- Parker BR See Wirth RL
- Parker C See Williams ED
- Parker CP See Moore JB
- Parker DL See Davis PL
- Parker FB See Paquet DJ
- Parker HG See Ford PV
- Parker JA See Grégoire J
- Parker JA See Jacobson AF
- Parker JA See LaManna MM
- Parker JA See Powsner R
- Parker JA; Markis JE; Palla A; Goldhaber SZ; Royal HD; Tumes S; Kim D; Rustgi AK; Holman BL; Kolodny GM; Braunwald E: pulmonary perfusion after rt-PA therapy for acute embolism: early improvement assessed with segmental perfusion scanning, *Radiology* 1988; 166: 441
- Parker KJ; Asztely MS; Lerner RM; et al: in-vivo measurements of ultrasound attenuation in normal or diseased liver, *Ultrasound Med Biol* 1988; 14: 127
- Parker KJ; Tutthill TA; Lerner RM; et al: particulate contrast agent with potential for ultrasound imaging of liver, *Ultrasound Med Biol* 1987; 13: 555
- Parker LA See Jaques PF

- Parker LA See Matsumoto AH
Parker LA See Mauro MA
Parker LA See Vincent LM
Parker LA; Melton JW; Delany DJ; et al: percutaneous small bore catheter drainage in the management of lung abscesses, (ab), *Radiology* 1988; 167: 587
Parker LA; Renner JB; Vincent LM; et al: postperfusion ventilation studies in the diagnosis of pulmonary embolism: economic appraisal, *Clin Nucl Med* 1987; 12: 6
Parker LA; Vincent LM: detection of adrenal melanoma with computed tomography, *Urol Radiol* 1986; 8: 209
Parker LA; Vincent LM; Mauro MA; et al: extramedullary hematopoiesis: demonstration by transmission and emission computed tomography, *Clin Nucl Med* 1986; 11: 1
Parker LA; Vincent LM; Ryan FP; et al: primary lymphoma of the ascending colon: sonographic demonstration, *JCU* 1986; 14: 221
Parker MG See Little CM
Parker RE See Podgorski GT
Parker RG See Gordon PS
Parker RG; Enstrom JE: second primary cancers of the head and neck following treatment of initial primary head and neck cancers, *Int J Radiat Oncol Biol Phys* 1988; 14: 561
Parker RP See Hawkes DJ
Parker SH See Rak K
Parker T See Davis M
Parker TH See Stanley JH
Parkey RW See Fleckenstein JL
Parkey RW See Katz J
Parkey RW See Schaefer S
Parkin A See Norwood HM
Parkin A; Robinson PJ; Wiggins PA; et al: measurement of limb blood flow using technetium-labelled red blood cells, *Br J Radiol* 1986; 59: 493
Parkin JL See Harnsberger HR
Parkin JL See Jacobs CJM
Parkinson JR See Ayers DC
Parmer E See Chodak GW
Parmenter TH See Nussbaum AR
Parnell AP; Dick DJ: extradural metastases from paragangliomas, report of two cases, *Clin Radiol* 1988; 39: 65
Parola JL See Pernes JM
Parr MJA; Williams MV: sarcoidosis mimicking metastatic testicular tumour, *Br J Radiol* 1988; 61: 516
Parriah DE See Foster WL Jr
Parson JT See Gardner KE
Parsonnet V See Steiner RM
Parsons C See Page JE
Parsons CA See Hansell DM
Parsons GH; Link DP; Greenberg D; et al: bronchial blood flow measured by video dilution technique in sheep, *Invest Radiol* 1987; 22: 544
Parsons JA See Deutsch M
Parsons JT See Mendenhall WM
Parsons JT See Weems DH
Parsons JT; Mendenhall WM; Cassini NJ; et al: hyperfractionation for head and neck cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 649
Parsons JT; Mendenhall WM; Mancuso AA; et al: malignant tumors of the nasal cavity and ethmoid and sphenoid sinuses, *Int J Radiat Oncol Biol Phys* 1988; 14: 11
Parsons JT; Million RR: planned preoperative irradiation in the management of clinical stage B2-C (T3) bladder carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 14: 797
Parsons L See Bookstein JJ
Parsain CL See Drolshagen LF
Parsain CL See Falke THM
Parsain CL See James AE Jr
Parsain CL See Kessler RM
Parsain CL See McNeal GR
Parsain CL See Mitchell MR
Parsain CL See Patton JA
Parsain CL See Powers TA
Parsain CL See Runge VM
Parsain CL; Kulkarni MV; Price RR; et al: magnetic resonance imaging of the breast: functional T1 and three-dimensional imaging, *Cardiovasc Intervent Radiol* 1986; 8: 292
Partanen K See Manninen H
Partensky C See Bret PM
Partowmah M See Lam KS
Partowmah M See Lam WC
Partridge J See Mu-Sheng T
Partridge J See Singcharoen T
Partridge J: postural disimpaction of oesophageal obstruction, (ab), *Radiology* 1986; 156: 281
Partridge JB; Osborne JM; Slaughter RE: scimitar ectopnea—the dysmorphic right lung, *Clin Radiol* 1988; 39: 11
Partridge RW See Jasinski RW
Parulekar SG: evaluation of the prone view for cholecystosonography, *J Ultrasound Med* 1986; 5: 617
Parulekar SG; Katzman RA: primary malignant lymphoma of the thyroid: sonographic appearance, *JCU* 1986; 14: 60
Parulekar SG; Kiwi R: dynamic incompetent cervix uteri: sonographic observations, *J Ultrasound Med* 1988; 7: 481
Parvez Z; Kormano M; Moncada R; et al: contrast media-induced chromosomal damage in human lymphocyte cultures, *Invest Radiol* 1986; 21: 864
Parvez Z; Moncada R; Gragasin M: cytogenetic interactions of contrast media and antineoplastic drugs, *Invest Radiol* 1988; 23: 389
Paskins-Hurlbert AJ; McCracken S; Hollenberg NK: autonomy extends to the arterial supply of rapidly growing tumors: studies on the feeder vessel to carcinoma in rat testis, *Invest Radiol* 1986; 21: 455
Passa H See Barnes M
Passa HI See Doppman JL
Passa HI See Lanza LA
Passa HI See Ognibene FP
Passa HI; Potter D; Shelhammer J; et al: indications for and diagnostic efficacy of open-lung biopsy in the patient with acquired immunodeficiency syndrome (AIDS), (ab), *Radiology* 1986; 160: 571
Passariello R See Sotgiu A
Passariello R; Masciocchi C; Zobel BB; et al: computed tomography of meniscal cysts of the knee joint, *Eur J Radiol* 1987; 7: 83
Passariello R; Trecco F; De Paulis F; et al: CT demonstration of capsuloligamentous lesions of the knee joint, *JCAT* 1986; 10: 450
Passas V; Karavias D; Grillas D; et al: computed tomography of left paraaortic hernia, *JCAT* 1986; 10: 542
Passas V; Vasilakos P; Brountzos E; et al: unusual encapsulated collection of urine (urinoma) in an infant with vesicoureteral reflux, *Pediatr Radiol* 1987; 17: 422
Passage E See Kaurzlaric D
Passerini A See Savoiardo M
Passi RB See Harker L
Pastakia B See Simmons JT
Pastakia B See Thaler M
Pastakia B; Horvath K; Lack EE: seventeen year follow-up and autopsy findings in a case of massive osteolysis, *Skeletal Radiol* 1987; 16: 291
Pastakia B; Miller I; Wolfman M; et al: MR imaging of a large adrenal cyst, *JCAT* 1986; 10: 710
Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L: multiple system atrophy (Shy-Drager syndrome): MR imaging, *Radiology* 1986; 159: 499
Pastakia B; Shawker TH: wheel-within-a-wheel patterns in hepatosplenic infections: reply, *Radiology* 1988; 168: 579
Pastakia B; Shawker TH; Horvath K: biliary neoplasm simulating dilated bile ducts: role of computed tomography and ultrasound, *J Ultrasound Med* 1987; 6: 333
Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA: hepatosplenic capillariasis: wheels within wheels, *Radiology* 1988; 166: 417
Pastakia B; Weiss SH: sinus histiocytosis with massive lymphadenopathy, *Clin Nucl Med* 1987; 12: 877
Pasternak JF See Eller TW
Pasto M See Steiner RM
Pasto ME See Baltarovich OH
Pasto ME See Graziani LJ
Pasto ME See Hertzberg BS
Pasto ME See Rifkin MD
Pasto ME; Kurtz AR: ultrasonography of the normal fetal brain, *Neuroradiol* 1986; 28: 380
Pastor J See Graff J
Pastor E; Kemeny AA; Tompa K; et al: in vitro assessment of MR relaxation properties of pituitary adenomas, *JCAT* 1987; 11: 378
Patane D See Cotroneo AR
Patchall LI See Yeakley JW
Patchefsky AS See Rosenberg AL
Patchefsky AS See Schwartz GF
Patchell I See Volkow ND
Pate D See Goobar JE
Pate D See Kursunoglu S
Pate D See Patriquin MN
Pate D See Resnick D
Pate D See Sartoris DJ
Pate D; Goobar J; Resnick D; Haghighi P; Sartoris DJ; Patriquin MN: traction osteophytes of the lumbar spine: radiographic-pathologic correlation, *Radiology* 1988; 166: 843
Pate D; Resnick D; Andre M; et al: perspective: three-dimensional imaging of the musculoskeletal system, *AJR* 1986; 147: 545
Patel AS See Torvaldsen S
Patel B; Markvick CR; Mahanta B; Van W; George E; Garvin P: pancreatic transplantation: scintigraphy, US, and CT, *Radiology* 1988; 167: 685
Patel B; Mistry CD; Kumar EN; et al: magnetic resonance imaging in non-infective destructive spondyloarthropathy, *Br J Radiol* 1988; 61: 511
Patel BR See Burkhalter JL
Patel CR: technetium-99m DISIDA hepatobiliary tract imaging in pseudotumors of the liver, *Clin Nucl Med* 1987; 12: 777
Patel D See Yang DC
Patel D; Anansi E; Berman MD: percutaneous decompression of cecal volvulus, *AJR* 1987; 148: 747
Patel DV See Kenney PJ
Patel K See Mahboubi S
Patel NP; Kumar R; Kinkhabwala M; Wengrover S: radiology of lumbar vertebral pedicles: variants, anomalies and pathologic conditions, *Radiographics* 1987; 7: 101
Patel PJ See Kolawole TM
Patel PJ; Al-Suhailani H; Al-Anka AK; et al: chest radiograph in brucellosis, *Clin Radiol* 1988; 39: 39
Patel PJ; Kolawole TM: case report: acoustic neuroma presenting as a cyst with fluid level, *CT* 1987; 11: 383
Patel PJ; Kolawole TM; Sharma N; et al: sonographic findings in acrotal brucellosis, *JCU* 1988; 16: 483
Patel PS; Wilbur AC: cystic seminal vesiculitis: CT demonstration, *JCAT* 1987; 11: 1103
Patel PS; Wilbur AC: nephrogenic adenoma presenting as a calcified mass, *AJR* 1988; 150: 1071
Patel R; Mishkin FS: technetium-99m pyrophosphate imaging in acute renal failure associated with nontraumatic rhabdomyolysis, *AJR* 1986; 147: 815
Patel RB See Gibson JJ
Patel RB; Connors JJ: in utero sonographic findings in fetal renal vein thrombosis with calcifications, *J Ultrasound Med* 1988; 7: 349
Patel SC See Quint DJ
Patel SC; Sanders WP: synovial cyst of the cervical spine: case report and review of the literature, *AJNR* 1988; 9: 602
Patel SK See Dudlak CM
Patel SK See Kossol JM
Patel SK See Mulopulos GP
Patel SK; Stack CM; Turner DA: magnetic resonance imaging in staging of renal cell carcinoma, *Radiographics* 1987; 7: 703
Patel YD See Zuckler LS
Patel YD: rupture of an aortic dissection into the pericardium, *Cardiovasc Intervent Radiol* 1986; 9: 222
Patel YD; Norowitz DB: ruptured mycotic aneurysms, *Cardiovasc Intervent Radiol* 1988; 11: 86
Patel YP; Gupta SM; Batson R; et al: brain death: confirmation by radionuclide cerebral angiography, *Clin Nucl Med* 1988; 13: 438
Paterson ICM See Khoury GG
Pathak D See Claflin KS
Pathie M See Rocha P
Pathria M See Zlatkin MB
Pathria M; Somers S; Gill G: pain during angiography: randomized double-blind trial comparing ioxaglate and distalzone, *J Canad Assoc Radiol* 1987; 38: 32
Pathria MN See Bjorkengren AG
Pathria MN See Hayward I
Pathria MN See Pate D
Pathria MN See Stevenson GW
Pathria MN See Tyrrell RL
Pathria MN See Van Lom KJ
Pathria MN; Bjorkengren AG; Jacob J; Kaplan PA; Kursunoglu S; Pate D; Sartoris DJ; Resnick D: rheumatoid arthritis: similarity of radiographic abnormalities in men and women, *Radiology* 1988; 167: 793
Pathria MN; Sartoris DJ; Resnick D: osteoarthritis of the facet joints: accuracy of oblique radiographic assessment, *Radiology* 1987; 164: 227
Pathria MN; Zlatkin MB; Sartoris DJ; et al: ultrasonography of the popliteal fossa and lower extremities, *Radiol Clin North Am* 1988; 26: 77
Patil AA See Yamanashi WS
Patino JV See Gonzalez JG
Patki VS See Sankaran A
Patni N See Mathur SP
Patrick DH See Dachman AH
Patrick JL See Haacke EM
Patriquin H See Fillatrault D
Patriquin H See Mann CI
Patriquin HB See Lafortune M
Patriquin HB; Lafortune M; Burns PN; et al: duplex Doppler examination in portal hypertension: technique and anatomy, *AJR* 1987; 149: 71
Patriquin HB; Lafortune M; Weber A; Blanchard H; Garel L; Roy C: surgical portosystemic shunts in children: assessment with duplex Doppler US. work in progress, *Radiology* 1987; 165: 25
Patriquin HB; Robitaille P: renal calcium deposition in children: sonographic demonstration of the Anderson-Carr progression, *AJR* 1986; 146: 1253

Patronas

- Patronas NJ See Ito M
 Patronas NJ See Saris SC
 Patronas NJ See Schellinger D
 Patteny FH See Quencer RM
 Patteny FM See Duerk JL
 Patteny PM; Phillips JJ; Chiu LC; et al: motion artifact suppression technique (MAST) for MR imaging. *JCAT* 1987; 11: 369
 Pattrasumant A See Feola JM
 Patten M See Critchley M
 Patten RM See Cyr DR
 Patten RM See Nyberg DA
 Patten RM; Van Allen M; Mack LA; et al: limb-body wall complex: in utero sonographic diagnosis of a complicated fetal malformation. *AJR* 1986; 146: 1019
 Patterson DE See LeRoy AJ
 Patterson DE; Segura JW; LeRoy AJ; et al: etiology and treatment of delayed bleeding following percutaneous lithotripsy. (ab). *Radiology* 1986; 158: 281
 Patterson GA; Piazza D; Pearson FG; et al: significance of metastatic disease in subaortic lymph nodes. (ab). *Radiology* 1987; 164: 882
 Patterson J See Condon BR
 Patterson J See McCreath GT
 Patterson J; Lohr D; Briscoe C; et al: calcified renal masses. (ab). *Radiology* 1987; 165: 589
 Patterson JF See McCrohan JL
 Patterson MP See Pezner RD
 Patterson R; Greenberger PA; Halwig JM; et al: allergic bronchopulmonary aspergillosis: natural history and classification of early disease by serologic and roentgenographic studies. (ab). *Radiology* 1986; 161: 282
 Patterson RM See Hays D
 Patton NS See Childs WJ
 Patton D See Allan BT
 Patton DD See Donohoe KJ
 Patton JA See Kulkarni MV
 Patton JA See Lee GS
 Patton JA See Sandler MP
 Patton JA; Kulkarni MV; Craig JK; Wolfe OH; Price RR; Partain CL; James AE Jr: techniques, pitfalls and artifacts in magnetic resonance imaging. *Radiographics* 1987; 7: 505
 Patton PE See Thurmond AS
 Paty DW See Koopmans RA
 Patz S See Brooks ML
 Patz S See Hawkes RC
 Patz S See Jolesz FA
 Patz S; basic physics of nuclear magnetic resonance. *Cardiovasc Intervent Radiol* 1986; 8: 225
 Patz S; some factors that influence the steady state in steady-state free precession. *Magn Res Imag* 1988; 6: 405
 Patz S; Hawkes RC: application of steady-state free precession to the study of very slow fluid flow. *Magn Res Med* 1986; 3: 140
 Pauerstein CJ See Walters MD
 Paul DA See Rowland DM
 Paul E See Yu LL
 Paul KS See Gellad FE
 Paul LC See Strake L
 Paul R See Minn H
 Paul R; comparison of fluorine-18-2-fluoro-deoxyglucose and gallium-67 citrate imaging for detection of lymphoma. *J Nucl Med* 1987; 28: 288
 Paul RE Jr See Bloom SM
 Paul RH See Doppman JL
 Paulin S; angiographic and radiologic comments on thrombolytic therapy in acute myocardial infarction. *Cardiovasc Intervent Radiol* 1986; 9: 258
 Paulin S; von Schulthess GK; Fossel E; et al: MR imaging of the aortic root and proximal coronary arteries. *AJR* 1987; 148: 665
 Paulson E; Datz FL: false-positive calvarial uptake of indium-111 leukocytes in a patient with hyperostosis frontalis interna. *Clin Nucl Med* 1986; 13: 68
 Paulson EK; Miller FJ: embolization of cardiac mural thrombus: complication of intraarterial fibrinolysis. *Radiology* 1988; 168: 95
 Paulson GW See Huber SJ
 Paulus DD See Segel MC
 Pauly JM See Nishimura DG
 Paushter DM See Abeln EL
 Paushter DM See Chilcote WA
 Paushter DM See Coughlin BF
 Paushter DM See Modic MT
 Paushter DM See Ross JS
 Paushter DM See Zeman RK
 Pauwels C See Kerschot EA
 Pauwels EK See Guit GL
 Pauwels EKJ See Bloem JL
 Pauwels EKJ See Vos PH
 Pavan F See Karlik SJ
 Pavel D See Shanes JE
 Pavia D See Agnew JG
 Pavlicek W: MR instrumentation and image formation. *Radiographics* 1987; 7: 809
 Pavlov H See Abrahams TG
 Pavlov H See Freiburger RH
 Pavlov H See Rogers LF
 Pavlov H: cervical spinal stenosis: determination with vertebral body ratio method: reply. *Radiology* 1988; 167: 282
 Pavlov H; Torg JS; Robie B; Jahre C: cervical spinal stenosis: determination with vertebral body ratio method. *Radiology* 1987; 164: 771
 Pavone P See De Maria M
 Pavone P See Rossi P
 Pay TL; Barrick MK: effect of pulsed ultrasound on the survival of drosophila. *Ultrasound Med Biol* 1987; 13: 93
 Payne D See Sadeghi A
 Payne DG See Coy P
 Payne JA See Bydder GM
 Payne JA See Young IR
 Payne M See Blumgart RL
 Payne NI; Whitehouse GH: delineation of the spleen by a combination of protons with water-soluble contrast media: an experimental study using computed tomography. *Br J Radiol* 1987; 60: 535
 Payne SD See Duke RA
 Payne SD See Kordan B
 Payne WS See Molins L
 Pazzaglia UE; Beluffi G: radiology and histopathology of the bent limbs in campomelic dysplasia: implications in the aetiology of the disease and review of theories. *Pediatr Radiol* 1987; 17: 50
 Pazzaglia UE; Benazzo F; Castelli C; et al: case report 381. *Skeletal Radiol* 1986; 15: 474
 Peacock WJ See Walker HS
 Pear BL: other organs and other amyloids. *Semin Roentgenol* 1986; 21: 150
 Pearcey RG See Griffiths SE
 Pearcey RG; Griffiths SE: impact of treatment errors on postoperative radiotherapy for testicular tumours. (ab). *Radiology* 1986; 159: 572
 Pearcey RG; Griffiths SE: investigation into the daily reproducibility of patient positioning for 'mantle' treatments. *Clin Radiol* 1986; 37: 43
 Pearcey RG; Peel KR; Thorogood J; et al: value of pre-operative intracavitary radiotherapy in patients treated by radical hysterectomy and pelvic lymphadenectomy for invasive carcinoma of the cervix. *Clin Radiol* 1988; 39: 95
 Pearlberg JL See Haggard AM
 Pearlberg JL; Sandler MA; Beute GH; et al: limitations of CT in evaluation of neoplasms involving chest wall. *JCAT* 1987; 11: 290
 Pearlberg JL; Sandler MA; Lewis JW Jr; et al: small-cell bronchogenic carcinoma: CT evaluation. *AJR* 1988; 150: 265
 Pearlman AS See Delemarre BJ
 Pearlman JD; Zajick J; Merickel MB; et al: high-resolution ¹H NMR spectral signature from human atheroma. *Magn Res Med* 1988; 7: 262
 Pearlman M See Blum E
 Pearlstein AE See Brennan RP
 Pearlstein AE See Neumann DR
 Pearlstein AE See Wiener SN
 Pease DB See Pillai RP
 Pearson BW See Meyer FB
 Pearson D See Magee BJ
 Pearson D See Slevin NJ
 Pearson FG See Patterson GA
 Pearson GA See Campbell CF
 Pearson JA See Kelly WM
 Pearson JT See Johnson JF
 Pearson ME; Kosco M; Huffer W; et al: rheumatoid nodules of the spine: case report and review of the literature. (ab). *Radiology* 1987; 165: 886
 Pearson MG See Viniaki S
 Pearson TA See Fried LP
 Pearson TC See Bernardino ME
 Pearson WN See Naggar CZ
 Peau J-Y See Bouvier J-F
 Pech P See Beres J
 Pech P See Cesarini K
 Pech P See Czervonke LF
 Pech P See Daniels DL
 Pech P See Mostrom U
 Pech P See Naidich TP
 Pech P; Bergström K; Rauschnig W; et al: attenuation values, volume changes and artifacts in tissue due to freezing. *Acta Radiol* 1987; 28: 779
 Pechova-Peterova V; Kalvach P: CT findings in cerebral metastases. *Neuroradiol* 1986; 28: 254
 Peck RJ: case of the month: expanding infant. *Br J Radiol* 1988; 61: 855
 Peck RJ: ultrasound of the painful hip in children. *Br J Radiol* 1986; 59: 293
 Peck RJ; Ng K; Li A: case of the month: dyspeptic disc dancer. *Br J Radiol* 1988; 61: 417
 Peck VM See Dethlefsen LA
 Peck WW See Kucharczyk W
 Peck WW; Higgins CB; Fisher MR; Ling M; Okerlund MD; Clark OH: hyperparathyroidism: comparison of MR imaging with radionuclide scanning. *Radiology* 1987; 163: 415
 Peckham N See Hinshaw DB Jr
 Peddecord KM; Janon EA; Robins JM: use of MR imaging in an outpatient MR center. *AJR* 1987; 148: 809
 Pedersen H See Andersen E
 Pedersen H See Hansen KN
 Pedersen H; Hansen HS; Bertelsen S; et al: combined modality therapy for oesophageal squamous cell carcinoma. *Acta Oncol* 1987; 26: 175
 Pedersen HK; Gudmundsen TE; Ostensen H; et al: intravenous urography in children and youth. *Pediatr Radiol* 1987; 17: 463
 Pedersen HK; Pape JF; Gudmundsen TE; et al: intravenous urography and voiding cystourethrography in northern Norway: retrospective study. *Pediatr Radiol* 1986; 16: 472
 Pedersen OM; Aasen TB; Gulavik A; et al: fine needle aspiration biopsy of mediastinal and peripheral pulmonary masses guided by real-time sonography. (ab). *Radiology* 1986; 160: 856
 Pedersen PC; Ozcan HS: ultrasound properties of lung tissue and their measurements. *Ultrasound Med Biol* 1986; 12: 483
 Pedersen SA See Hansen LK
 Pedicelli G; Jequier S; Bowen A; Boisvert J: multicystic dysplastic kidneys: spontaneous regression demonstrated with US. *Radiology* 1986; 161: 23
 Pedrick TJ; Hoppe RT: recovery of spermatogenesis following pelvic irradiation for Hodgkin's disease. *Int J Radiat Oncol Biol Phys* 1986; 12: 117
 Pedroni E See Takai M
 Peeli KR See Pearcey RG
 Peeling WB See Clements R
 Peene F See Casselman JW
 Peer A See Rubinstein ZJ
 Peer G See Golomb J
 Peerless SJ See Drake CG
 Peetoom JJ See Falke THM
 Pehl S See Merz E
 Peirce KR See Nov AA
 Peiro A See Ruscalleda J
 Peisner DB See Wolfson RN
 Pejovic P See Babic UU
 Pejovic MH See Girinski T
 Pelic N See Utz JA
 Pelic NJ See MacFall JR
 Pelckmans PA See Pen JH
 Peleg H See Adler O
 Peleg H See Front D
 Pelizzari CA See Levin DN
 Pelle-Francoz D See Maillet PJ
 Pellegrini P See Maffessanti M
 Pelletier VA; Galeano N; Brochu P; et al: secretory diarrhea with protein-losing enteropathy, enterocolitis cystica superficialis, intestinal lymphangiectasia, and congenital hepatic fibrosis: new syndrome. (ab). *Radiology* 1986; 159: 824
 Pelliccioli GP See Signorini E
 Pelouquin A See Schraufnagel DE
 Pelzer RM See Lamont AC
 Peltohallio P See Laine HR
 Pelz M See Mark AS
 Pelz DM See D'Alotto C
 Pelz DM See Vinuela FV
 Pelz DM; Buchan A; Fox AJ; Barnett HJM; Vinuela FV: intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone. *Radiology* 1986; 160: 369
 Pelz DM; Fox AJ; Vinuela F; et al: preoperative embolization of brain AVMs with isobutyl-2-cyanoacrylate. *AJNR* 1988; 9: 757
 Pen JH; Pelckmans PA; van Maercke YM; et al: clinical significance of focal echogenic liver lesions. *Gastrointest Radiol* 1986; 11: 61
 Penase W See van Dale P
 Penco T See Carchietti E
 Pendergrass HP See James AE Jr
 Pendergrass HP See Meszaros WT
 Pendergrass HP; James J. McCort, MD, President. *Radiological Society of North America*. 1986. *Radiology* 1986; 158: 272
 Pendergrass HP: Radiological Society of North America: the early years. *Radiology* 1987; 165: 354
 Pendergrass HP; Brady LW Jr; Weinlander JR: accreditation of graduate medical education in radiology: historic perspectives. *Invest Radiol* 1986; 21: 812
 Peng C-T See Eriksson UG
 Peng TT See Lee VW
 Penhaligon M See Dawson P
 Penketh ARL; Wise A; Mearns MB; et al: cystic fibrosis in adolescents and adults. (ab). *Radiology* 1988; 167: 291

- Penkrot RJ; Van Thiel D: computed tomography of cavernous hemangiomas of the liver: how sure are we? *CT* 1986; 10: 309
- Pennell RG See Baltarowich OH
- Pennell RG See Mitchell DG
- Pennell RG See Vilaro MM
- Pennell RG; Baltarowich OH: prenatal sonographic diagnosis of a fetal facial hemangioma. *J Ultrasound Med* 1986; 5: 525
- Pennell RG; Baltarowich OH; Kurtz AB; Vilaro MM; Rifkin MD; Needleman L; Mitchell DG; Mervis SA; Goldberg BB: complicated first-trimester pregnancies: evaluation with endovaginal US versus transabdominal technique. *Radiology* 1987; 165: 79
- Penner MW See Glazer GM
- Penner MW; Li KC; Gebarski SS; et al: MR imaging of Pelizaeus-Merzacher disease. *JCAT* 1987; 11: 591
- Pennes DR See Adler DD
- Pennes DR See Bowerman RA
- Pennes DR See Rebner M
- Pennes DR; Bowerman RA; Silver TM: congenital uterine anomalies and associated pregnancies: findings and pitfalls of sonographic diagnosis. (ab). *Radiology* 1986; 158: 859
- Pennes DR; Bowerman RA; Silver TM; et al: failed first trimester pregnancy termination: uterine anomaly as etiologic factor. *JCU* 1987; 15: 165
- Pennes DR; Ellis JH: anomalous pulmonary venous drainage of the left upper lobe shown by CT scans. *Radiology* 1986; 159: 23
- Pennes DR; Homer MJ: disappearing breast masses caused by compression during mammography. *Radiology* 1987; 165: 327
- Penney BC See King MA
- Penney H See Willian BD
- Penney HF See Brauer M
- Penning I See Dvorak J
- Penning I See Niffoer EW
- Penning L: radiotherapy of upper airways in flexion and retroflexion of the neck. *Neuroradiol* 1986; 30: 17
- Penning L; Wilmsink JT; van Woerden HH; et al: CT myelographic findings in degenerative disorders of the cervical spine: clinical significance. *AJNR* 1986; 7: 119
- Pennock JM See Dubowitz LMS
- Pennock JM See Graif M
- Pennock JM See Johnson MA
- Pennock JM; Bydder GM; Dubowitz LMS; et al: magnetic resonance imaging of the brain in children. *Magn Res Imag* 1986; 4: 1
- Penso C; Redline RW; Benacerraf BR: sonographic sign which predicts which fetuses with hydrocephalus have an associated neural tube defect. *J Ultrasound Med* 1987; 6: 307
- Penso CA See Benacerraf BR
- Penney SI See Latchaw RE
- Pepine CJ See Lambert CR
- Peppler WW See Hasegawa BH
- Pera A; Capek M; Shirkhoda A: lymphangiography and CT in the follow-up of patients with lymphoma. *Radiology* 1987; 164: 631
- Peracchia G; Salti C: method of radiation treatment for advanced neck node metastases. *Int J Radiat Oncol Biol Phys* 1986; 12: 2197
- Peracha H See Slavin JD Jr
- Peracha HU; Spencer RP: bone imaging after hemipelvectomy. *Clin Nucl Med* 1986; 11: 877
- Peracha HU; Flynn TR; Spencer RP: detection of osseous lesions in Gorlin's syndrome by technetium-99m MDP. *Clin Nucl Med* 1988; 13: 549
- Perale R See Zorzi C
- Perale R; Talenti E; Lubrano G; et al: late ultrasonographic pattern in congenital nephrotic syndrome of Finnish type. *Pediatr Radiol* 1988; 18: 71
- Perani D; Di Piero V; Vallar G; et al: technetium-99m HM-PAO-SPECT study of regional cerebral perfusion in early Alzheimer's disease. *J Nucl Med* 1988; 29: 1507
- Percy AK See Baram TZ
- Pere P See Gaucher A
- Pereira B See Brant-Zawadzki M
- Pereira B See McNamara MT
- Pereira BM See Chang L-H
- Pereira JR See Pinto JA
- Pereleman M See Cooper JD
- Pereles P See Carrasquillo JA
- Perez C See Andrus J
- Perez C See Lauger J
- Perez C See Madrid G
- Perez C; Andrus J; Lauger J; et al: hemangioma of the rectum: CT appearance. *Gastrointest Radiol* 1987; 12: 347
- Perez CA See Armstrong BA
- Perez CA See Brady LW
- Perez CA See Enami B
- Perez CA See Grigby PW
- Perez CA See Kuke RR
- Perez CA See Pao WM
- Perez CA See Scott R
- Perez CA See Stokes S
- Perez CA; Bauer M; Edelstein S; et al: impact of tumor control on survival in carcinoma of the lung treated with irradiation. *Int J Radiat Oncol Biol Phys* 1986; 12: 539
- Perez CA; Kuske RR; Camel HM; et al: analysis of pelvic tumor control and impact on survival in carcinoma of the uterine cervix treated with radiation therapy alone. *Int J Radiat Oncol Biol Phys* 1988; 14: 613
- Perez CA; Pilepich MV; Zivnuska F: tumor control in definitive irradiation of localized carcinoma of the prostate. *Int J Radiat Oncol Biol Phys* 1986; 12: 523
- Perez LM; Greer S: sensitization to x ray by 5-chloro-2'-deoxycytidine co-administered with tetrahydrofuran in several mammalian cell lines and studies of 2'-chloro derivatives. *Int J Radiat Oncol Biol Phys* 1986; 12: 1523
- Perez M See Robledo R
- Perez-Atayde A See Hernandez-Schulman M
- Perez-Fontan FJ; Soler R; Sanchez J; et al: retractile mesenteritis involving the colon: barium enema, sonographic, and CT findings. *AJR* 1986; 147: 937
- Perez-Reyes N See Ross JS
- Perkaash I; Friedland GW: catheter-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography. *Radiology* 1986; 159: 453
- Perkaash I; Friedland GW: potential role of ultrasonography. *Urol Radiol* 1986; 1: 175
- Perkaash I; Friedland GW: principles of modern urodynamic studies. *Invest Radiol* 1987; 22: 279
- Perkaash I; Friedland GW: ultrasonographic detection of false passages arising from the posterior urethra in spinal cord injury patients. (ab). *Radiology* 1987; 165: 589
- Perkin GD See McIvor J
- Perkins AC See Armitage NC
- Perkins DD See Kogut ME
- Perkins R; Skirving AP: callus formation and the rate of healing of femoral fractures in patients with head injuries. (ab). *Radiology* 1988; 166: 590
- Perkins TG See Wehrli FW
- Perkins TG; Wehrli FW: CSF signal enhancement in short TR gradient echo images. *Magn Res Imag* 1986; 4: 465
- Perkkio J See Mäntylä M
- Perler BA See Brewer ML
- Perler BA See Kinnison ML
- Perlman JM See Katz ME
- Perlman JM See McAllister WH
- Perlman JM; Volpe JJ: intraventricular hemorrhage in extremely small premature infants. (ab). *Radiology* 1987; 164: 888
- Perlman R: case report 453. *Skeletal Radiol* 1987; 16: 670
- Perlman SB See Bushnell DL
- Perlman SB See Mehta RC
- Perlman SJ See Alpina MB
- Perlmutter LM See Moeser P
- Perlmutter LM See Saeed M
- Perlmutter LM See Sussman SK
- Perlmutter LM; Braun SD; Cohen RH; et al: extraperitoneal placement of Tenckhoff catheters: a cause of immediate malfunction. *AJR* 1987; 148: 1211
- Perlmutter LM; Braun SD; Newman GE; et al: percutaneous intervention in the solitary kidney. *Cardiovasc Intervent Radiol* 1987; 10: 223
- Perlmutter LM; Braun SD; Newman GE; et al: timing of chest film follow-up after transthoracic needle aspiration. *AJR* 1986; 146: 1049
- Perlmutter LM; Braun SD; Newman GE; et al: transthoracic needle aspiration: use of a small chest tube to treat pneumothorax. *AJR* 1987; 148: 849
- Perlmutter LM; Braun SD; Newman GE; Oke EJ; Dunnick NR: pulmonary arteriography in the high-risk patient. *Radiology* 1987; 162: 187
- Perlmutter LM; Levin DC; Barry W: coronary artery spasm: current concepts. *Invest Radiol* 1986; 21: 663
- Perlmutter AD See Vinocur L
- Perloff LJ See Allen KS
- Perman WH See Turski PA
- Perman WH; Moran PR; Moran RA; et al: artifacts from pulsatile flow in MR imaging. *JCAT* 1986; 10: 473
- Perman WH; Turski PA; Houston LW; Glover GH; Hayes CE: methodology of in vivo human sodium MR imaging at 1.5 T. *Radiology* 1986; 160: 811
- Pernes J-M See Flessinger J-N
- Pernes JM; Grenier P; Desbieds MT; et al: MR evaluation of chronic aortic dissection. *JCAT* 1987; 11: 975
- Pernes JM; Vitoux JF; Brenoit P; Raynaud A; Farola JL; Roth JP; Angel CV; Flessinger JN; Roncato M; Gaux JC: acute peripheral arterial and graft occlusion: treatment with selective infusion of urokinase and lysyl plasminogen. *Radiology* 1986; 158: 481
- Pernot C See Dupuis C
- Perron DL See Ginsberg HN
- Perron J-M; Guilbert F: systemization of traumatic mandibular lesions. *J Neuroradiol* 1986; 13: 240
- Perrosio T See Cohen EK
- Perreault G See Filiatrault D
- Perrella R See Grant EG
- Perrett LV See Holland BA
- Perrett LV See Levy RM
- Perrett LV See O'Neill RA
- Perri G See Vesce F
- Perri G; Napoli V; Falaschi F; et al: digital subtraction radiography in voiding cystourethrography. *Eur J Radiol* 1988; 8: 175
- Perri G; Tripi D: case report 393. *Skeletal Radiol* 1986; 15: 575
- Perri G; Vichi G; Pacini M; et al: unusual cone shaped epiphyses in spondyloepiphyseal dysplasia: case report. *Pediatr Radiol* 1987; 17: 223
- Perrone T; Dehner LP: prognostically favorable "mitotically active" smooth-muscle tumors of the uterus: a clinicopathologic study of ten cases. (ab). *Radiology* 1987; 167: 588
- Perrone T; De Wolf-Petersers C; Frizzera G: inflammatory pseudotumor of lymph nodes: a distinctive pattern of nodal reaction. (ab). *Radiology* 1988; 169: 592
- Perry CM See Smiles E
- Perry HO See Gabriel SE
- Perry J See Wang Y
- Persico O See Iaccarino M
- Persky MS See Cohen JP
- Persky MS See Holliday RA
- Person H See Lasjaunias P
- Persson B See Pettersson H
- Persson BRB See Olsson MBE
- Persson P-H See Mandl K
- Persson P-H See Weldner B-M
- Persson U See Eranim U
- Persutte WH; Lenke RR: maternal urinary bladder filling for middle and late trimester ultrasound: is it really necessary? *J Ultrasound Med* 1988; 7: 287
- Persutte WH; Lenke RR; Kropp K; et al: antenatal diagnosis of fetal patent urachus. *J Ultrasound Med* 1988; 7: 399
- Pertsemidis D See Gould JD
- Perusek M See Vicks BS
- Perry M See Alon U
- Perry M See Kaffori JK
- Pesce G See Giorgio A
- Peschel RE See Goldberg N
- Peschel RE See Haffty BG
- Peschel RE See Morton JD
- Peschel RE See Nath R
- Pesenti A See Gattinoni L
- Peshock RM See Erdman WA
- Peshock RM See Katz J
- Peshock RM See Keller AM
- Peshock RM See Schaefer S
- Peshock RM See Twieg DB
- Pessa ME; Hawkins IF; Vogel SB: treatment of acute cholangitis: percutaneous transhepatic biliary drainage before definitive therapy. (ab). *Radiology* 1987; 164: 881
- Pessar ML See Soulen RL
- Pessar ML; Soulen RL; Kan JS; et al: MRI demonstration of pulmonary sequestration. *Pediatr Radiol* 1988; 18: 229
- Pessis D See Mulopulos GF
- Petassnick JP; CT of the extremities. *Semin US CT MR* 1986; 7: 308
- Petassnick JP; Turner DA; Charters JR; Gitelis S; Zacharias CE: soft-tissue masses of the locomotor system: comparison of MR imaging with CT. *Radiology* 1986; 160: 125
- Petek WW See Lammer J
- Peter DJ; Flanagan LD; Cranley JJ: analysis of blood clot echogenicity. *JCU* 1986; 14: 111
- Peterson SB See Beasley EW III
- Peters AM See Gordon I
- Peters AM See Roddie ME
- Peters H See Dinkel E
- Peters JC; Reinertson JS; Polansky SM; et al: CT demonstration of traumatic ventral hernia. *JCAT* 1988; 12: 710
- Peters LJ See Kong JS
- Peters LJ See Maor MH
- Peters LJ See Milla L
- Peters LJ See Schultheiss TE
- Peters LJ See Seider MJ
- Peters LJ See Slater JD
- Peters LJ; Ang KK; Thames HD Jr: accelerated fractionation in the radiation treatment of head and neck cancer: a critical comparison of different strategies. *Acta Oncol* 1988; 27: 185
- Peters LJ; Brock WA; Johnson T; et al: potential methods for predicting tumor radiosensitivity. *Int J Radiat Oncol Biol Phys* 1986; 12: 459
- Peters LJ; Harrison ML; Dimery IW; et al: acute and late toxicity associated with sequential bleomycin-containing chemotherapy regimens and radiation therapy in the treatment of carcinoma of the nasopharynx. *Int J Radiat Oncol Biol Phys* 1988; 14: 623

Peters

- Peters ME; Fagerholm MI; Scanlan KA; Voegeli DR; Kelcz F: mammographic evaluation of the postsurgical and irradiated breast. *Radiographics* 1988; 8: 873
- Peters PC See Roelhorst CG
- Peters PE See Fischelick A-R
- Peters P See Werneck K
- Peters TM; Clark JA; Olivier A; Marchand EP; Mawko G; Dieumegarde M; Muresan LV; Ethier R: integrated stereotactic imaging with CT, MR imaging, and digital subtraction angiography. *Radiology* 1986; 161: 821
- Peters VJ See Timmons JH
- Peters VJ See Truwit CL
- Peters WG See Thum TOTA
- Petersen A; Jacobsen JP; Horder M: ³¹P NMR measurements of intracellular pH in erythrocytes: direct comparison with measurements using freeze-thaw and investigation into the influence of ionic strength and Mg²⁺. *Magn Res Med* 1987; 4: 341
- Petersen HN See Enig B
- Petersen JC See Williams SM
- Petersen MB See Hansen KN
- Petersen RC See Jack CR Jr
- Petersen RC; Mokri B; Laws ER Jr: surgical treatment of idiopathic hydrocephalus in elderly patients. (ab). *Radiology* 1986; 158: 572
- Petersen RJ See Witte RJ
- Petersen G; Kaplan PA; Lorenzen KM: case report 410. *Skeletal Radiol* 1987; 16: 82
- Petersen CS See Hill LM
- Petersen EA See Forester GV
- Petersen IM See Crivello MS
- Petersen IM; Guthaner DF: aortic pseudoaneurysm complicating Takayasu disease: CT appearance. *JCAT* 1986; 10: 676
- Petersen K See Nicod P
- Petersen MR; Machaj V; Block PC; et al: thromboxane release during percutaneous transluminal coronary angioplasty. (ab). *Radiology* 1986; 160: 860
- Petersen MW; Austin JHM; Yip CK; et al: CT findings in transdiaphragmatic empyema necessitatis due to tuberculosis. *JCAT* 1987; 11: 704
- Petersen NT See Gritter KJ
- Petersen RA See Hanigan WC
- Petersen RR See Aronberg DJ
- Petersen RR See McClelland BL
- Petersen RR See Rholl KS
- Petersen RR See Weinstein JB
- Petersen H See Gillespie T III
- Pettit A See Hindle E
- Pettit J; Chaix AF; Barraine R: echocardiographic follow-up in Marfan's syndrome: mitral, tricuspid, and aortic valve prolapse with calcification of patent foramen ovale. *JCU* 1986; 14: 707
- Pettitler C See Baines CJ
- Petitjeanroget T See Jequier S
- Petitprez P See Musset D
- Petit DB See Ziakins MC
- Petrus RA See Shorten SD
- Petrej J See McCormick B
- Petrini B See Blomgren H
- Petro GR See Soges LJ
- Petro GR; Witwer GA; Cacayorin ED; et al: spontaneous dissection of the cervical internal carotid artery: correlation of arteriography, CT, and pathology. *AJNR* 1986; 7: 1053
- Petroff OAC See Behar KL
- Petronis J See Clausen M
- Petropoulos P See Hoogewoud H-M
- Petrovic O; Feigenbaum H; Armstrong WF; et al: digital averaging to facilitate two-dimensional echocardiographic measurements. *JCU* 1986; 14: 367
- Petrozzo PJ; Woodard ML; Vitullo DA; et al: use and diagnostic significance of thallium-201 SPECT imaging in a case of anomalous left coronary artery. *Clin Nucl Med* 1988; 13: 629
- Petsch R See Heller H
- Pettigrew JW; Withers G; Panchalingam K; et al: considerations for brain pH assessment by ³¹P NMR. *Magn Res Imag* 1988; 6: 135
- Petterson H See Aspelin P
- Petterson H See Egund N
- Petterson H See Hamlin DJ
- Petterson H See Herrlin K
- Petterson H See Rösner B
- Petterson H; Ackerman N; Kaude J; et al: gadolinium-DTPA enhancement of experimental soft tissue carcinoma and hemorrhage in magnetic resonance imaging. *Acta Radiol* 1987; 28: 75
- Petterson H; Aspelin P; Boijesen E; et al: digital radiography of the spine, large bones and joints using stimulative phosphor: early clinical experience. *Acta Radiol* 1988; 29: 267
- Petterson H; Aspelin P; Boijesen E: digital urography using stimulative phosphor: an experimental study in the rabbit. *Acta Radiol* 1988; 29: 273
- Petterson H; Eliasson J; Egund N; et al: gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging—preliminary clinical experience in five patients. *Skeletal Radiol* 1988; 17: 319
- Petterson H; Gillespy T III; Hamlin DJ; Enneking WF; Springfield DS; Andrew ER; Spanier S; Stone RM: primary musculoskeletal tumors: examination with MR imaging compared with conventional modalities. *Radiology* 1987; 164: 237
- Petterson H; Gillespy T; Kitchens C; et al: magnetic resonance imaging in hemophilic arthropathy of the knee. *Acta Radiol* 1987; 28: 621
- Petterson H; Giovannetti M; Gillespy T III; et al: magnetic resonance imaging appearance of supernumerary soleus muscle. *Eur J Radiol* 1987; 7: 149
- Petterson H; Larsson EM; Holtis S; et al: MR imaging of the cervical spine in rheumatoid arthritis. *AJNR* 1988; 9: 573
- Petterson H; Rydholm A; Persson B: early radiologic detection of local recurrence after curettage and acrylic cementation of giant cell tumours. *Eur J Radiol* 1986; 6: 1
- Petterson H; Stone RM: magnetic resonance relaxation characteristics of muscle, fat and bone marrow of the extremities: normal values in a low field strength unit. *Acta Radiol* 1987; 28: 363
- Petterson H; Stone RM; Spanier S; Gillespy T III; Fitzsimmons JR; Scott KN: musculoskeletal tumors: T1 and T2 relaxation times. *Radiology* 1988; 167: 783
- Petterson K See Mårtensson G
- Petterson S See Geterud K
- Petti P See Berson AM
- Pettigrew R See Eisner RL
- Pettigrew R See Kolla IS
- Pettigrew RI; Avruhc L; Dannels W; Coumans J; Bernardino ME: fast-field-echo MR imaging with Gd-DTPA: physiologic evaluation of the kidney and liver. *Radiology* 1986; 160: 561
- Pettigrew RI; Dannels W: use of standard gradients with compound oblique angulation for optimal quantitative MR flow imaging in oblique vessels. *AJR* 1987; 148: 405
- Pettigrew RI; Dannels W; Galloway JR; et al: quantitative phase-flow MR imaging in dogs by using standard sequences: comparison with in vivo flow-meter measurements. *AJR* 1987; 148: 411
- Pettine KA; Klassen RA: osteoid osteoma and osteoblastoma of the spine. (ab). *Radiology* 1986; 160: 859
- Pettine KA; Morrey BF: osteochondral fractures of the talus. (ab). *Radiology* 1987; 164: 294
- Pettit PD; Lee RA: ovarian remnant syndrome: diagnostic dilemma and surgical challenge. (ab). *Radiology* 1988; 169: 290
- Petty AM; Kan LE; Meyer GA: radiation therapy for incompletely resected meningiomas. (ab). *Radiology* 1986; 158: 571
- Petty CN See Mahony BS
- Petty PG See Lau LSW
- Petty W; Spigos DG; Abejo R; et al: arterial digital angiography in the evaluation of potential renal donors. *Invest Radiol* 1986; 21: 122
- Peuchot M; Eftekhari F; Van Tassel P; et al: computed tomography in histiocytosis X of the temporal bone. *CT* 1988; 12: 9
- Peuchot M; Libshitz H: pulmonary metastatic disease: radiologic-surgical correlation. *Radiology* 1987; 164: 719
- Pevsner P See Yakes WF
- Pexman JHW; Wriedt CHR; Richard TC: significance of internal carotid artery occlusion shown by IV digital subtraction angiography. *AJNR* 1987; 8: 485
- Peycelon P See Maublant JC
- Peyer P See Kauzlaric D
- Peyman GA See Mafee MF
- Peyman GA; Mafee MF: uveal melanoma and similar lesions: role of magnetic resonance imaging and computed tomography. *Radiol Clin North Am* 1987; 25: 471
- Peyster RG See Ginsberg F
- Peyster RG See Hansman ML
- Peyster RG See Hershey BL
- Peyster RG See Hillman TH
- Peyster RG See McCormack J
- Peyster RG See Schwab FJ
- Peyster RG; Adler LP; Viscarello RR; et al: CT of the normal pituitary gland. *Neuroradiol* 1986; 28: 161
- Peyster RG; Augsburg JJ; Shields JA; Hershey BL; Eagle R Jr; Haskin ME: intraocular tumors: evaluation with MR imaging. *Radiology* 1988; 168: 773
- Peyster RG; Ginsberg F; Hoover FD: computed tomography of familial pineoblastoma. *JCAT* 1986; 10: 32
- Peyster RG; Ginsberg F; Silbey JH; et al: exophthalmos caused by excessive fat: CT volumetric analysis and differential diagnosis. *AJNR* 1986; 7: 35
- Peyster RG; Shapiro MD; Haik BG: orbital metastasis: role of magnetic resonance imaging and computed tomography. *Radiol Clin North Am* 1987; 25: 647
- Pezner RD See Desai KR
- Pezner RD; Archambeau JO; Lipsett JA; et al: tube feeding enteral nutritional support in patients receiving radiation therapy for advanced head and neck cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 935
- Pezner RD; Lipsett JA; Desai K; et al: to boost or not to boost: decreasing radiation therapy in conservative breast cancer treatment when "inked" tumor resection margins are pathologically free of cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 873
- Pezner RD; Patterson MP; Hill LR; et al: arm lymphedema in patients treated conservatively for breast cancer: relationship to patient age and axillary node dissection technique. *Int J Radiat Oncol Biol Phys* 1986; 12: 2079
- Pezzullo JC See Shearer DR
- Pfannstiel P See Just M
- Pfeifferbaum A; Zatz LM; Jernigan TL: computer-integrated method for quantifying cerebrospinal fluid and tissue in brain CT scans: effects of aging. *JCAT* 1986; 10: 571
- Pfeifer BA See Lo TCM
- Pfeiffer WR; Robinson LH; Balsara VJ: sonographic features of bile plug syndrome. *J Ultrasound Med* 1986; 5: 161
- Pfister RC See Amis ES Jr
- Pfister RC See Ferris EJ
- Pfister RC See Hartman GW
- Pfister RC See Heaney JA
- Pfister RC See Neff CC
- Pfister RC See Papanicolaou N
- Pfister RC See vanSonnenberg E
- Pfister RC See Zagoria RJ
- Pfister RC; Papanicolaou N; Yoder IC: diagnostic morphologic and urodynamic antegrade pyelography. *Radiol Clin North Am* 1986; 24: 561
- Pfister RC; Papanicolaou N; Yoder IC: urinary extracorporeal shock wave lithotripsy: equipment, techniques, and overview. *Urol Radiol* 1988; 10: 39
- Pflanzer W See Modic MT
- Pflugfelder P See Higgins CB
- Pflugfelder PW See Sechtem U
- Pflugfelder PW See White RD
- Pflugfelder PW See Wisenberg G
- Pflugfelder PW; Sechtem UP; White RD; et al: quantification of regional myocardial function by rapid cine MR imaging. *AJR* 1988; 150: 523
- Pflugfelder PW; Wendland MF; Holt WW; Quay SC; Worah D; Derugin N; Higgins CB: acute myocardial ischemia: MR imaging with Mn-Tp. *Radiology* 1988; 167: 129
- Phalen J See Kaplan PA
- Phalen JT See Lieberman RP
- Pham DH See Sauerbrei EE
- Pham DH; Ash JM; Gilday DL; et al: acute tubular necrosis secondary to rhabdomyolysis with complete absence of renal perfusion. *Clin Nucl Med* 1987; 12: 445
- Pham DH; Huang D; Korwan A; Greyson ND: acute unilateral pulmonary nonventilation due to mucous plugs. *Radiology* 1987; 165: 135
- Pham DH; Manley PN; Nguyen KT: lipoma of the liver. *J Canad Assoc Radiol* 1986; 37: 283
- Pharaboz C; Chossière D; Bassoulet J; et al: esthesioneuromas: contribution of CT and NMR to the study. *J Neuroradiol* 1987; 14: 141
- Phelan E; de Campo JF; Malecky G: comparison of oxygen and barium reduction of ileocolic intussusception. *AJR* 1988; 150: 1349
- Phelan EMD; Carty HML; Kalos S: generalised enchondromatosis associated with haemangiomas, soft-tissue calcifications and hemihypertrophy. *Br J Radiol* 1986; 59: 69
- Phelps CT See Lee JK
- Phelps ME See Huang S-c
- Phelps PD See Beale DJ
- Phelps PD See Lloyd GAS
- Phelps PD See Slack RWT
- Phelps PD; Lloyd GAS: vascular masses in the middle ear. *Clin Radiol* 1986; 37: 359
- Philbrick A See Listinsky JJ
- Phillipart AI See Ziegler DW
- Phillippe L See Villanueva-Meyer J
- Phillippe L; Mens I; Darcourt J; et al: evaluation of valvular regurgitation by factor analysis of first-pass angiography. *J Nucl Med* 1988; 29: 159
- Phillips E See Bloom SM
- Phillips RL: cavernous haemangioma of the liver: a diagnostic problem. *Australas Radiol* 1987; 31: 287
- Phillips RL: cavernous transformation of the portal vein. *Australas Radiol* 1988; 32: 239
- Phillips CD See Tatu WF

- Phillips CD; Keats TE: development of post-traumatic cyst-like lesions in bone, *Skeletal Radiol* 1986; 15: 631
- Phillips CD; Pope TL Jr; Jones JE; et al: nontraumatic avulsion of the lesser trochanter: a pathognomonic sign of metastatic disease?, *Skeletal Radiol* 1986; 15: 106
- Phillips CD; Williamson BR: osteosarcoma with pericardial metastases seen on bone scan, *Clin Nucl Med* 1987; 12: 899
- Phillips DA; Davis MA; Fisher M: selective embolization and clot dissolution with tPA in the internal carotid artery circulation of the rabbit, *AJNR* 1988; 9: 899
- Phillips DJ See Zierler RE
- Phillips DM See Kruse J
- Phillips DM; Lunt JA; Man SFP; et al: multiple spin echo imaging and quantitative relaxation measurements of pulmonary edema, *Magn Res Imag* 1987; 5: 137
- Phillips G; Kumari-Subaiya S; Sawitsky A: ultrasonic evaluation of the scrotum in lymphoproliferative disease, *J Ultrasound Med* 1987; 6: 169
- Phillips GW See Thomas ML
- Phillips GW; Hemingway AP: wandering spleen, *Br J Radiol* 1987; 60: 188
- Phillips GW; Senapati A; Young AE: chylolymphatic mesenteric cyst: a diagnostic appearance on computed tomography, *Br J Radiol* 1988; 61: 413
- Phillips HJ See Ryan CA
- Phillips HO; Greene WB; Guilford WB; et al: measurement of femoral torsion: comparison of standard roentgenographic techniques with ultrasound, (ab), *Radiology* 1986; 158: 375
- Phillips HR See Newman GE
- Phillips J; Chiu L: magnetic resonance imaging of intraspinal epidermoid cyst: case report, *CT* 1987; 11: 181
- Phillips JJ See Kunin M
- Phillips JJ See Pattany PM
- Phillips ME; Kressel HY; Spritzer CE; Arger PH; Wein AJ; Axel L; Gefter WB; Pollack HM: normal prostate and adjacent structures: MR imaging at 1.5 T, *Radiology* 1987; 164: 381
- Phillips ME; Kressel HY; Spritzer CE; Arger PH; Wein AJ; Marinelli D; Axel L; Gefter WB; Pollack HM: prostatic disorders: MR imaging at 1.5 T, *Radiology* 1987; 164: 386
- Phillips MH See Marks MP
- Phillips MS See Moore NK
- Phillips MS; Kinnear WJM; Shneerson JM: late sequelae of pulmonary tuberculosis treated by thoracoplasty, (ab), *Radiology* 1988; 166: 586
- Phillips MS; Williams MP; Flower CDR: how useful is computed tomography in the diagnosis and assessment of bronchiectasis?, *Clin Radiol* 1986; 37: 321
- Phillips T See Russo A
- Phillips TF See Scalfani SJA
- Phillips TL See Bartelink H
- Phillips TL See Linstadt D
- Phillips TL See Mitchell JB
- Phillips TL See Turuwski K
- Phillips TL; Mitchell JB; DeGraff W; et al: variation in sensitizing efficiency for SR 2508 in human cells dependent on glutathione content, *Int J Radiat Oncol Biol Phys* 1986; 12: 1627
- Phillips WC See Kattapuram SV
- Phylky RL See Weis JW
- Piao ZE; Murdock DK; Hwang MH; et al: contrast media-induced ventricular fibrillation: a comparison of Hypaque-76, Hexabrix, and Omnipaque, *Invest Radiol* 1988; 23: 466
- Piao ZE; Murdock DK; Hwang MH; et al: effect of sodium on the fibrillatory propensity of nonionic contrast media, *Invest Radiol* 1987; 22: 895
- Piazza D See Patterson GA
- Picano E See Landini L
- Picano E See Lattanzi F
- Picard C; Meignan M; Rosso J; et al: technetium-99m DTPA aerosol and gallium scanning in acquired immune deficiency syndrome, *Clin Nucl Med* 1987; 12: 501
- Picard D See Carrier L
- Picard D; D'Amour P; Carrier L; et al: localization of abnormal parathyroid gland(s) using thallium-201/iodine-123 subtraction scintigraphy in patients with primary hyperparathyroidism, *Clin Nucl Med* 1987; 12: 60
- Picard JL See Bruneton JN
- Picard L See Castaigne L
- Picard L See Claudon M
- Picard M; Carrier L; Chartrand R; et al: Budd-Chiari syndrome: typical and atypical scintigraphic aspects, *J Nucl Med* 1987; 28: 803
- Picardo S See Corno A
- Picci P See Ruggieri F
- Picci P; Baldini N; Sudanese A; et al: giant cell reparative granuloma and other giant cell lesions of the bones of the hands and feet, *Skeletal Radiol* 1986; 15: 415
- Piccirillo M; Rigby CM; Rosenfield AT: sonography of renal inflammatory disease, *Urol Radiol* 1987; 9: 66
- Piccirillo M; Taylor KJW; Flye MW; et al: investigation of Doppler waveforms in porcine renal allografts: Doppler-pathologic correlation, *Ultrasound Med Biol* 1988; 14: 111
- Piccoletto ML See Levine MS
- Pichard AD See Jacob AS
- Pickens DR III See James AE Jr
- Picker LJ; Weiss LM; Medeiros LJ; et al: immunophenotypic criteria for the diagnosis of non-Hodgkin's lymphoma, (ab), *Radiology* 1987; 165: 888
- Picker R See Baber R
- Pickering DG; Stewart JS; Rampling R; et al: fast neutron therapy for soft tissue sarcoma, *Int J Radiat Oncol Biol Phys* 1987; 13: 1489
- Pickett RM See Getty DJ
- Pickett RM: person-machine systems for image-based diagnosis, *Invest Radiol* 1988; 23: 394
- Picone AL See Gramiak R
- Picus D See Marx MV
- Picus D See Middleton WD
- Picus D; Lee JKT: magnetic resonance imaging of the female pelvis, *Urol Radiol* 1986; 8: 166
- Picus D; Marx MV; Middleton WD: progressive stridor and hoarseness in a young black woman, *Invest Radiol* 1987; 22: 338
- Picus D; Marx MV; Weyman FJ: chronic intestinal obstruction: value of percutaneous gastrostomy tube placement, *AJR* 1988; 150: 295
- Picus D; van Breda AJ; Katzen BT; et al: use of digital subtraction angiography for evaluation of vascular access for hemodialysis, *Cardiovasc Intervent Radiol* 1987; 10: 210
- Picus D; Weyman FJ; Clayman RV; et al: intercostal-space nephrostomy for percutaneous stone removal, *AJR* 1986; 147: 393
- Piehler JM See Jex RK
- Pieniadz JM See Koff E
- Piepgas DG See Forbes G
- Piepgas DG See Mokri B
- Piepsz A See Di Lorenzo C
- Piepsz A See Haentjens M
- Piepsz A; Ham HR; Roland JH; et al: technetium-99m DMSA imaging and the obstructed kidney, *Clin Nucl Med* 1986; 11: 389
- Pier N See Heckmatt JZ
- Pierattelli M See Vichi GF
- Pierce ME: bladder deformity: a sign of major inferior venous obstruction, two case reports and a review, *Australas Radiol* 1988; 32: 107
- Pierce ME: spondylolysis: what does this mean? a review, *Australas Radiol* 1987; 31: 391
- Pierquin B; Calitchi E; Mazeron JJ; et al: update on low dose rate irradiation for cancers of the oropharynx—May 1986, *Int J Radiat Oncol Biol Phys* 1987; 13: 259
- Pierri P See Giorgio A
- Piers DA See Bleichrodt RP
- Piers DA; Janssen S; Oosten HR; et al: mediastinal hemorrhage after treatment of thyrotoxicosis using radioiodine, *Clin Nucl Med* 1988; 13: 574
- Piers DB; Verzijlbergen F; Westermann JJ; et al: comparative study of intravenous digital subtraction angiography and ventilation-perfusion scans in suspected pulmonary embolism, (ab), *Radiology* 1988; 166: 291
- Pierson WP See Schlesinger AE
- Pieterman H: case of the season, *Semin Roentgenol* 1988; 23: 91
- Pieters R; van Brenk AI; Veerman AJP; et al: bone marrow magnetic resonance studies in childhood leukemia: evaluation of osteonecrosis, (ab), *Radiology* 1988; 168: 592
- Pietilä J; Pietilä K; Pukkila O: video disc recording in double contrast barium enema—comparison with conventional fluoroscopy, *Eur J Radiol* 1987; 7: 246
- Pietilä K See Pietilä J
- Pietra GG See Glickstein M
- Pietra GG See Rich S
- Pietri H; Boscaini M; Berthezene P; et al: hepatic morphotypes, their statistical individualization using ultrasonography, *J Ultrasound Med* 1988; 7: 189
- Piette JC See Buthiau D
- Piffer S; Amichetti M; Valentini A: skeletal scintigraphy and physical examination in the staging of early breast cancer, *Acta Oncol* 1988; 27: 21
- Pigneux J See Horiot J-C
- Pigneux J; See Ng Ying Kin NYK
- Pikielny S See Solomon A
- Pilate I; Marcellis S; Timmerman H; Beekman P; Osteaux MJ: pulmonary asbestosis: CT study of subpleural curvilinear shadow, *Radiology* 1987; 164: 584
- Pilepich M See Rotman M
- Pilepich MV See Emami B
- Pilepich MV See Konefal JB
- Pilepich MV See Perez CA
- Pilepich MV; Asbell SO; Krall JM; et al: correlation of radiotherapeutic parameters and treatment related morbidity—analysis of RTOG study 77-06, *Int J Radiat Oncol Biol Phys* 1987; 13: 1007
- Pilepich MV; Bagshaw MA; Asbell SO; et al: definitive radiotherapy in resectable (stages A₂ and B) carcinoma of the prostate—results of a nationwide overview, *Int J Radiat Oncol Biol Phys* 1987; 13: 659
- Pilepich MV; Bagshaw MA; Asbell SO; et al: radical prostatectomy or radiotherapy in carcinoma of prostate: the dilemma continues, (ab), *Radiology* 1988; 166: 586
- Pilepich MV; Krall JM; Hanks GE; et al: correlation of pre-treatment transurethral resection and prognosis in patients with stage C carcinoma of the prostate treated with definitive radiotherapy—RTOG experience, *Int J Radiat Oncol Biol Phys* 1987; 13: 195
- Pilepich MV; Krall JM; Johnson RJ; et al: extended field (periaortic) irradiation in carcinoma of the prostate—analysis of RTOG 75-06, *Int J Radiat Oncol Biol Phys* 1986; 12: 345
- Pilepich MV; Krall JM; Sause WT; et al: correlation of radiotherapeutic parameters and treatment related morbidity in carcinoma of the prostate—analysis of RTOG study 75-06, *Int J Radiat Oncol Biol Phys* 1987; 13: 351
- Pilepich MV; Krall JM; Sause WT; et al: prognostic factors in carcinoma of the prostate—analysis of RTOG study 75-06, *Int J Radiat Oncol Biol Phys* 1987; 13: 359
- Pilepich MV; Myerson RJ; Emami BN; et al: regional hyperthermia—assessment of tolerance to treatment, *Int J Radiat Oncol Biol Phys* 1988; 14: 347
- Pile-Spellman ER See Homer MJ
- Pile-Spellman J See Oot RF
- Pile-Spellman JMD; Baker KF; Liszczak TM; et al: high-flow angiopathy: cerebral blood vessel changes in experimental chronic arteriovenous fistula, *AJNR* 1986; 7: 811
- Pilger E See Lammer J
- Pilger E; Lammer J; Bertuch H; Steiner H: intraarterial fibrinolysis: in vitro and prospective clinical evaluation of three thrombolytic agents, *Radiology* 1986; 161: 597
- Pilla TJ See Tantana S
- Pilla TJ; Beshany SE; Shields JB: incompatibility of Hexabrix and Papaverine, *AJR* 1986; 146: 1300
- Pilla TJ; Tantana S; Shields JB: embolization of blunt trauma in the pediatric patient, *Cardiovasc Intervent Radiol* 1987; 10: 153
- Pilla TJ; Tantana S; Smith KR: percutaneous transluminal angioplasty prior to carotid cavernous fistula embolization, *AJNR* 1986; 9: 789
- Pillai RP; Buescher PC; Pearse DB; et al: ³¹P NMR spectroscopy of isolated perfused lungs, *Magn Res Med* 1986; 3: 467
- Pillari G See Cohen JR
- Pillari G See Gersten K
- Pillari G See Lewin B
- Pillari G; Chang JB; Zito J; et al: computed tomography of abdominal aortic aneurysm: an in vivo pathological report with a note on dynamic predictors, (ab), *Radiology* 1988; 168: 885
- Pillari G; Zito J; Chang JB; et al: lower extremity swelling: computerized tomography following negative venography, *Cardiovasc Intervent Radiol* 1987; 10: 261
- Pillay GP See Keeton GR
- Pilling D See Garrett A
- Pilu G; De Palma L; Romero R; et al: fetal subarachnoid cisterns: ultrasound study with report of a case of congenital communicating hydrocephalus, *J Ultrasound Med* 1986; 5: 365
- Pilu G; Rizzo N; Orsini LF; et al: antenatal recognition of cerebral anomalies, *Ultrasound Med Biol* 1986; 12: 319
- Pimm MV See Armitage NC
- Pinck RL See Ramanathan K
- Pinck RL See Yaghoobian J
- Pinckney I See Dillard JP
- Pinckney LE See Christensen RA
- Pincus M; Reddy S; Lee MS; et al: preoperative combined modality therapy for stage III M₀ non-small cell lung carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 15: 189
- Pincus T See Kaye JJ
- Pindell ML: living longer: materials and methods, *Radiology* 1988; 167: 418
- Pineda C See Kerr R
- Pineda CJ See Resnick D
- Pineda CJ; Martinez-Lavin M; Gonbar JE; et al: periostitis in hypertrophic osteoarthropathy: relationship to disease duration, *AJR* 1987; 148: 773

- Pinet A See Mailliet PJ
- Pinet F; Clermont A; Michel C; et al: embolization of the systemic arteries of the lung. *J Thorac Imag* 1987; 2: 11
- Pini R; Ferrucci L; Di Bari M; et al: two-dimensional echocardiographic imaging: *in vitro* comparison of conventional and dynamically focused annular array transducers. *Ultrasound Med Biol* 1987; 13: 643
- Pinsky S See Chung SY
- Pinsky SM See Schneider AB
- Pintar MM See Sobol WT
- Pinteris F See Grabenwöger F
- Pinto I; Ibarburen C; Castello J; et al: CT findings in cystic intramedullary oligodendroglioma. *AJNR* 1988; 9: 213
- Pinto JA; Pereira JR; Guimarães A; et al: value of CT-scanning in supratentorial haemangioblastomas. *Neuroradiol* 1987; 29: 573
- Pinto M See Stiller RJ
- Pinto R See Stollman A
- Pinto RS See Goy AMC
- Pinto RS See Raghavendra BN
- Piontek RW; Kase KR: design and dosimetric properties of an intraoperative radiation therapy system using an orthovoltage x ray unit. *Int J Radiat Oncol Biol Phys* 1986; 12: 255
- Piovan E See Beltrame A
- Piper IM See Neliricks RD
- Piper N See Chinn DH
- Pirani M See Dobranowski J
- Pirani M See Francic S
- Pirker E See Egenger G
- Piros G See Tegtmeyer CJ
- Pirro JP See Roizin-Towle L
- Pirsch JD; Maki DG: infectious complications in adults with bone marrow transplantation and T-cell depletion of donor marrow: increased susceptibility to fungal infections. (ab). *Radiology* 1986; 161: 284
- Piscioli F See Luciani L
- Pisipaty RP See Vengsarkar US
- Piske RL See Ufflacker R
- Pison C See Rendak I
- Pissiotis C See Kalovidouris A
- Pistoia F; Markowitz SK: splenic lymphangiomas: CT diagnosis. *AJR* 1988; 150: 121
- Pistoia F; Ozonoff MB: diagnostic paediatric imaging: case study teaching manual. *Radiology* 1987; 163: 376
- Pistoia F; Ozonoff MB; Wintz P: ball-and-socket ankle joint. *Skeletal Radiol* 1987; 16: 447
- Pistolesi GF; Maso R; Filosto L; et al: venous digital subtraction angiography in the evaluation of renovascular hypertension. (ab). *Radiology* 1986; 158: 574
- Pistolesi M See Giuntini C
- Pistolesi M See Miniati M
- Pistolesi M; Miniati M; Bonsignore M; et al: factors affecting regional pulmonary blood flow in chronic ischemic heart disease. *J Thorac Imag* 1988; 3-3: 65
- Pitakdamrongwong N See Handagoon P
- Pitkethly DT See Conrad MR
- Pitman RG See McElvaine G
- Pitman RG See Munk PL
- Pitrolo F See Mancuso L
- Pitt HA See Cameron JL
- Pitt M See Kursunoglu S
- Pittman CC; Quinn SF; Belsole R; et al: digital subtraction wrist arthrography: use of double contrast technique as a supplement to single contrast arthrography. *Skeletal Radiol* 1988; 17: 119
- Pittman DD See Cox JD
- Pittcock JW III See Brown DQ
- Pitts LH See Wallner KE
- Pitts WC See Nagai GR
- Piwnica-Worms D; Forman A; Tumeik SS: chronic ear discharge in an elderly diabetic man. *Invest Radiol* 1986; 21: 584
- Piwnica-Worms D; Kronauge JF; Holman BL; et al: hexakis(carbomethoxyisopropyl)nitrate) technetium(I), a new myocardial perfusion imaging agent: binding characteristics in cultured chick heart cells. *J Nucl Med* 1988; 29: 55
- Pizer SM; Johnston RE; Rogers DC; Beard DV: effective presentation of medical images on an electronic display station. *Radiographics* 1987; 7: 1267
- Pizzarello DJ See Chandra R
- Pizzarello DJ; Chandra R: effects of mitotic activity and water content on the proton relaxation times in partially hepatectomized and sham-operated rat livers. *Invest Radiol* 1986; 21: 320
- Pizzo PA See Pastakia B
- Pizzutillo PD See Smergel EM
- Pjura GA See Kim EE
- Pla C; Evans MDC; Podgorski EB: dose distributions around electron applicators. *Int J Radiat Oncol Biol Phys* 1987; 13: 1761
- Pla M See Podgorski EB
- Place CR See Nguyen KT
- Plaine L See Baum ML
- Plane JH: dynamic monitoring of output on a superficial X-ray set using a solid-state device. *Br J Radiol* 1988; 61: 235
- Plant GR; Chailoner D; Morgan DAL: improved system of customised photon shielding for radiotherapy. *Br J Radiol* 1986; 59: 930
- Plappert T See Cartier MS
- Platt R See Wierry L
- Plata MJ See Hayes CW
- Plate G; Hollier LA; O'Brien P; et al: recurrent aneurysms and late vascular complications following repair of abdominal aortic aneurysms. (ab). *Radiology* 1986; 158: 281
- Platt JF; Bree RL; Schwab RE: accuracy of CT in the staging of carcinoma of the prostate. *AJR* 1987; 148: 315
- Platt JF; Glazer GM: IV contrast material for abdominal CT: comparison of three methods of administration. *AJR* 1988; 151: 275
- Platt JF; Glazer GM; Gross BH; et al: CT evaluation of mediastinal lymph nodes in lung cancer: influence of the lobar site of the primary neoplasm. *AJR* 1987; 149: 683
- Platt JF; Glazer GM; Orringer MB; et al: radiologic evaluation of the subcarinal lymph nodes: a comparative study. *AJR* 1988; 151: 279
- Platt JF; Rubin JM; Bowerman RA; et al: inability to detect kidney disease on the basis of echogenicity. *AJR* 1988; 151: 317
- Platt JF; Rubin JM; Chandler WF; et al: intraoperative spinal sonography in the evaluation of intramedullary tumors. *J Ultrasound Med* 1988; 7: 317
- Platt LD See Bergman A
- Platt LD See DeVore GR
- Platts A See Dick R
- Plavac B See Ugarkovic B
- Plavčić B; Jereb-Provič B: radiologic and endoscopic diagnosis of duodenal angioma. *Acta Radiol* 1987; 28: 735
- Plaza-Fonto M See Freimanis M
- Platzman CW; Lukin RR: lumbar spinal stenosis. *Semin Roentgenol* 1988; 23: 106
- Plehn J See Lee VW
- Plesat F See Claudon M
- Pleskof L See Cotty P
- Plewes DB See Holtz SL
- Plewes DB See Katzberg RW
- Plewes DB See Shaw C-G
- Plewes DB See Szumowski J
- Plewes DB See Wandtke JC
- Plotnick J See Lear JL
- Plourde PV See Manni A
- Plowman PN See Brown AP
- Plowman PN See Dioniach I
- Plowman PN; Fuentes J; Harnett AN: early radiation swelling remains a problem in the management of paediatric brain tumours. *Br J Radiol* 1987; 60: 931
- Ploysongsang S; Scott RM; Aron BS; et al: comparison of whole pelvis versus small-field radiation therapy for carcinoma of prostate. (ab). *Radiology* 1986; 160: 573
- Pluijmakers-Westmijze EJ See Lafleur MVM
- Plum G See Harms SE
- Plumb VJ See Kennedy JL
- Plumb VJ See Myers JL
- Plunkett MB; Gray JE; Kispert DB: radiation exposure from conventional and digital subtraction angiography of cerebral vessels. *AJNR* 1986; 7: 665
- Plus JL; Opal SM: pulmonary sporotrichosis: review of treatment and outcome. (ab). *Radiology* 1987; 162: 290
- Pluth JR See King RM
- Pober B See Bundy AL
- Pober BR See Benacerraf BR
- Pober BR See Benson B
- Pobiel RS See Thurnher S
- Pocha JS See Porter AT
- Pochaczewsky R: barium enema scout film: cost effectiveness and clinical efficacy. *Radiology* 1987; 162: 581
- Pochaczewsky R: double-contrast examination of the colon with carbon dioxide: the use of effervescent powder. *AJR* 1987; 149: 502
- Pochaczewsky R; Lee WJ; Mallett E: management of male infertility: roles of contact thermography, spermatic venography, and embolization. *AJR* 1986; 147: 97
- Pochhammer K-F See Szekessy T
- Pochin EE: 10-day recommendation. *Clin Radiol* 1986; 37: 105
- Pochin EE: radiation risks in perspective. *Br J Radiol* 1987; 60: 42
- Pocock WA See Schamroth CL
- Pocsik I See Furo I
- Pödenphant J See Gotfredsen A
- Pödenphant J See Nilas L
- Podgorski EB See Pla C
- Podgorski EB; Evans MDC: endocavitary rectal irradiation technique. *Int J Radiat Oncol Biol Phys* 1987; 13: 1937
- Podgorski EB; Olivier A; Pla M; et al: dynamic stereotactic radiosurgery. *Int J Radiat Oncol Biol Phys* 1988; 14: 115
- Podgorski GT; Carroll FE; Parker RE: MR evaluation of pulmonary interstitial and intravascular fluids. *Invest Radiol* 1986; 21: 478
- Podgorski MR; Ibels LS; Webb J: case report 445. *Skeletal Radiol* 1987; 16: 589
- Podias HB; Gritzman MCD; Thomaidis S; et al: CT of CNS lesions in lymphomatoid granulomatosis: case report. *AJNR* 1988; 9: 592
- Podo F: tissue characterization by MRI: a multidisciplinary and multi-centre challenge today. *Magn Res Imag* 1988; 6: 173
- Podo F; Orr JS; Schmidt KH; et al: I. introduction, objectives, and activities. *Magn Res Imag* 1988; 6: 175
- Podobnik M See Bulić M
- Podobnik M; Bulić M; Smiljanec N; et al: ultrasonography in the detection of cervical incompetency. *JCU* 1988; 16: 383
- Podoloff DA; Kim EE: enhanced detectability of local colloid uptake with SPECT imaging. *Clin Nucl Med* 1988; 13: 580
- Podrasky AE See Cardoza JD
- Podreka I; Süss E; Goldenberg G; et al: initial experience with technetium-99m HM-PAO brain SPECT. *J Nucl Med* 1987; 28: 1657
- Podruch PE See Hersh JH
- Poe BM; D'Altorio R; Mandell M: pseudolesion with nonionic contrast myelography. *Comput Med Imag Graph* 1988; 12: 267
- Poe RH See Kohan JM
- Poe RH; Kallay MC: transthoracic needle biopsy of lung in non-hospitalized patients. (ab). *Radiology* 1988; 167: 290
- Pogany AC See Kerlan RK Jr
- Pohl D See Sundaram M
- Pohl P; Vogl G; Fill H; et al: single photon emission computed tomography in AIDS dementia complex. *J Nucl Med* 1988; 29: 1382
- Pohlmann H See Hamel J
- Pohost GM See Kaul S
- Pointon RCS See Gupta NK
- Pointon RS; Read G; Greene D: randomized comparison of photons and 15 MeV neutrons for the treatment of carcinoma of the bladder. (ab). *Radiology* 1986; 158: 576
- Pointreau CC See Mathieu D
- Poisson F See Buy J-N
- Poisson M See Fauchon F
- Poisson P See Claudon M
- Pojer PM See Salehi N
- Pojanas KW See Breger RK
- Pojanas KW See Daniels DL
- Pojanas KW See Kilgore DP
- Pojanas KW See Naidich TP
- Pojanas KW See Williams AL
- Pojanas KW; Daniels DL; Williams AL; et al: MR imaging of prolactin-secreting microadenomas. *AJNR* 1986; 7: 209
- Pojanas KW; Daniels DL; Williams AL; et al: pituitary and adrenal CT of Cushing syndrome. *AJNR* 1986; 7: 271
- Pojanas KW; Daniels DL; Williams AL; et al: pituitary and adrenal CT of Cushing syndrome. *AJR* 1986; 146: 1235
- Poka A See Young JWR
- Pokrupa R See Tamplieri D
- Polachini I See Jacobs L
- Polak JF See Jolesz FA
- Polak JF See Mueller SF
- Polak JF; Jolesz FA; Adams DF: magnetic resonance imaging of skeletal muscle: prolongation of T1 and T2 subsequent to denervation. *Invest Radiol* 1988; 23: 365
- Polak JF; Jolesz FA; Adams DF: NMR of skeletal muscle differences in relaxation parameters related to extracellular/intracellular fluid spaces. *Invest Radiol* 1988; 23: 107
- Polak JF; Mueller SF; Holman BL: caudate nucleus infarction demonstrated by N-isopropyl-p iodamphetamine SPECT imaging using a rotating gamma camera. *Clin Nucl Med* 1986; 11: 718
- Polak JF; O'Leary DH: deep venous thrombosis in pregnancy: noninvasive diagnosis. *Radiology* 1988; 166: 377
- Polak JF; Vivaldi MT; Schoen FJ: proton magnetic resonance of early myocardial infarction in rats. *Invest Radiol* 1988; 23: 428
- Polak JM See Bloom SR
- Poland RL See Slovis TL
- Polansky AD See Resnick D
- Polansky AD See vanSonnenberg E
- Polansky SM See Peters JC
- Poletti JL; Le Heron JC: performance assessment of X-ray image intensified television fluoroscopy systems in New Zealand. *Br J Radiol* 1988; 61: 393
- Polga JP See Johnson LA
- Polga JP See Ptasznik J
- Polinsky R See Pastakia B
- Polla BS See Slosman DO
- Pollack H See Mapp E
- Pollack H; Kenney FJ; McAfee JC; et al: flank mass and hypertension. *AJR* 1986; 146: 67
- Pollack HM See Amendola MA

- Pollack HM See Barber L
 Pollack HM See Bezzl M
 Pollack HM See Brick SH
 Pollack HM See Choyke PL
 Pollack HM See Dinsmore BJ
 Pollack HM See Elkin M
 Pollack HM See Gordon RL
 Pollack HM See Mezrich R
 Pollack HM See Phillips ME
 Pollack HM See Roberts MC
 Pollack HM See Rubin JI
 Pollack HM See Shapiro MJ
 Pollack HM See Simpson EL
 Pollack HM See Verstandig AG
 Pollack HM: long-term follow-up of the upper urinary tract for transitional cell carcinoma: how much is enough? *Radiology* 1988; 167: 871
 Pollack HM; Banner MP: extracorporeal shock wave lithotripsy and the radiologist. *AJR* 1986; 147: 94
 Pollack HM; Banner MP; Amendola MA: other malignant neoplasms of the renal parenchyma. *Semin Roentgenol* 1987; 22: 260
 Pollack MS See Thomas AJ
 Pollack MS; Dalinka MK; Kressel HY; et al: magnetic resonance imaging in the evaluation of suspected osteonecrosis of the knee. *Skeletal Radiol* 1987; 16: 121
 Pollack S See Langer BG
 Pollard K See Owens OJ
 Pollei SR See Christensen R
 Pollei SR; Boyer RS; Crawford S; et al: disorders of migration and sulcation. *Semin US CT MR* 1988; 9: 231
 Pollei SR; Mettler FA Jr: follow-up chest radiographs in Vietnam veterans: are they useful? *reply*. *Radiology* 1987; 163: 583
 Pollei SR; Mettler FA Jr; Bartow SA; Moradian G; Moskowitz M: occult breast cancer: prevalence and radiographic detectability. *Radiology* 1987; 163: 459
 Pollei SR; Mettler FA Jr; Kelsey CA; Walters MR; White RE: follow-up chest radiographs in Vietnam veterans: are they useful? *Radiology* 1986; 161: 101
 Pollack A See Libson E
 Polly DW Jr; Callaghan JJ; Sikes RA; et al: accuracy of selective magnetic resonance imaging compared with the findings of arthroscopy of the knee. (ab). *Radiology* 1988; 168: 590
 Pollycove M See Yen C-K
 Polotti R See Lombardi G
 Pomba Felipe F; Marini M; Arrojo Suarez De Centi L; et al: case report: an unusual appearance of a left adrenal mass on computed tomography. *Clin Radiol* 1988; 39: 99
 Pomeranz SJ; Altman N; Sheldon JJ; et al: magnetic resonance of congenital anorectal malformations. *Magn Res Imag* 1986; 4: 69
 Pomeranz SJ; Proto AV: histiocytosis X: unusual-confusing features of eosinophilic granuloma. (ab). *Radiology* 1986; 160: 571
 Pomeranz SJ; Shelton JJ; Tobias J; et al: MR of visual pathways in patients with neurofibromatosis. *AJNR* 1987; 8: 831
 Pomes J See Grau A
 Pomier G See Lafortune M
 Pompili A; Iacchetti M; Bianchini AL; et al: CT iopamidol cisternographic diagnosis of coexisting partial empty sella and pituitary adenoma: report of two cases. *Neuroradiol* 1987; 29: 93
 Pompili M See Rapaccini GL
 Pon MS See Machan L
 Poncz M; Kane E; Gill FM: acute chest syndrome in sickle cell disease: etiology and clinical correlates. (ab). *Radiology* 1986; 159: 576
 Pond GD See Newell JD
 Pongiglione G See Marasini M
 Pons F See Lomeña F
 Pons F; Carrio I; Estorch M; et al: lithium as an adjuvant of iodine-131 uptake when treating patients with well-differentiated thyroid carcinoma. *Clin Nucl Med* 1987; 12: 644
 Pons F; Lomeña F; Calvet X; et al: uptake of technetium-99m DISIDA by bone metastasis from a hepatoma. *Clin Nucl Med* 1988; 13: 280
 Ponsot G See Kalifa GL
 Ponten J: oncogenes for the oncologist. *Acta Oncol* 1987; 26: 3
 Pontifex G See Kalovidouris A
 Pontin AR See Abratt RP
 Ponto JA See Seabold JE
 Ponto JA: dosimetry of technetium-99m red blood cells labeled in vivo. *Clin Nucl Med* 1988; 13: 342
 Ponto JA: fetal dosimetry from pulmonary imaging in pregnancy: revised estimates. *Clin Nucl Med* 1986; 11: 108
 Poole CA See Frank JL
 Poole GV Jr; Choplin RL; Sterchi JM; et al: occult lesions of the breast. (ab). *Radiology* 1987; 162: 291
 Pooley FD See Stephens M
 Poon FW; Stewart IS: aneurysm of an aberrant right subclavian artery. *Br J Radiol* 1988; 61: 249
 Poon M-C See Kloiber R
 Poon FY See Bronskill MJ
 Poon FY See Dunlap HJ
 Poon FY See Henkelman RM
 Poon FY See Li KC
 Poon FY See Mah K
 Poon FY See Mayo JR
 Poon FY See Rooney MS
 Poon FY: magnetic resonance imaging of the prostate. *Semin US CT MR* 1986; 7: 298
 Poon FY; Bronskill MJ; Henkelman RM; et al: magnetic resonance imaging of the mediastinum. *J Canad Assoc Radiol* 1986; 37: 173
 Poon FY; Bronskill MJ; Henkelman RM; Rideout DF; Shulman HS; Weisbrod GL; Steinhardt M; Dunlap HJ; Ginsberg RJ; Feld R; Sutcliffe SB; Williams JL: mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT. *Radiology* 1987; 162: 651
 Poon FY; McCallum RW; Henkelman RM; et al: MRI of periprosthetic venous plexus in staging of early prostatic carcinoma. *J Canad Assoc Radiol* 1988; 39: 111
 Poornattar A See Yu VL
 Post RD: medullopithelioma: first CT images. *Neuroradiol* 1986; 28: 286
 Poots JK; Johnston KW; Cobbold RSC; et al: comparison of CW Doppler ultrasound spectra with the spectra derived from a flow visualization model. *Ultrasound Med Biol* 1986; 12: 125
 Pope C See Rapoport S
 Pope CF See Gore JC
 Pope CF See Kang YS
 Pope CF See Majumdar S
 Pope CF See Sostman HD
 Pope CF; Gore JC; Sostman HD; et al: diffuse fatty infiltration of the liver by magnetic resonance. *Magn Res Imag* 1986; 4: 267
 Pope CF; Sostman HD: radioisotope labeled platelets in medical diagnosis. *Invest Radiol* 1986; 21: 611
 Pope CF; Sostman D; Carbo P; et al: detection of pulmonary emboli by magnetic resonance imaging: evaluation of imaging parameters. *Invest Radiol* 1987; 22: 937
 Pope JM; Eberl S: comparative evaluation of "depth pulses" and related sequences for spatial discrimination in in-vivo NMR spectroscopy with surface coils. *Magn Res Imag* 1988; 6: 157
 Pope TL Jr See de Lange EE
 Pope TL Jr See Holmes WS
 Pope TL Jr See Keats TE
 Pope TL Jr See Kerns S
 Pope TL Jr See Paling MR
 Pope TL Jr See Phillips CD
 Pope TL Jr: case of the season. *Semin Roentgenol* 1987; 22: 137
 Pope TL Jr: medical student education: practical approach to radiology. *Invest Radiol* 1986; 21: 592
 Pope TL Jr; Fechner RE; Brenbridge NAG: carcinosarcoma of the breast: radiologic, ultrasonographic, and pathologic correlation. *J Canad Assoc Radiol* 1987; 38: 50
 Pope TL Jr; Fechner RE; Keats TE: case report 367. *Skeletal Radiol* 1986; 15: 327
 Pope TL Jr; Fechner RE; Wilhelm MC; Wanebo HJ; de Paredes ES: lobular carcinoma in situ of the breast: mammographic features. *Radiology* 1988; 168: 63
 Pope TL Jr; Keats TE; de Lange EE; et al: case report 426. *Skeletal Radiol* 1987; 16: 342
 Pope TL Jr; Keats TE; de Lange EE; et al: idiopathic synovial chondromatosis in two unusual sites: inferior radioulnar joint and ischial bursa. *Skeletal Radiol* 1987; 16: 205
 Popky GL See Swartz JD
 Popli MK See Mathur SP
 Popovich J Jr See Leeper KV Jr
 Poppius H See Mattson K
 Porcellini B See Becker CD
 Porciani S See Becciolini A
 Porjes WJ See Lannin DR
 Porchen R See Kovalikova Z
 Por-Somfai A: staging of neoplasms. *Radiology* 1987; 162: 728
 Porst H; van Ahlen H; Vahlensieck W: relevance of dynamic cavernosography to the diagnosis of venous incompetence in erectile dysfunction. (ab). *Radiology* 1987; 165: 884
 Porstmann W See Wierny L
 Port RB See Rochester D
 Port SC See Gal R
 Porta E See Iaccarino V
 Porter AT; Scrimger JW; Pocha JS: remote interstitial afterloading in cancer of the prostate: preliminary experience with the MicroSelectron. *Int J Radiat Oncol Biol Phys* 1988; 14: 571
 Porter BA See Bertino RE
 Porter BA See Colman LK
 Porter BA See Ford KB
 Porter BA See Nyberg DA
 Porter BA See Stitman GK
 Porter BA; Hastrup W; Richardson ML; Wesley GE; Olson DO; Cromwell LD; Mose AA: classification and investigation of artifacts in magnetic resonance imaging. *Radiographics* 1987; 7: 271
 Porter BA; Shields AF; Olson DO: magnetic resonance imaging of bone marrow disorders. *Radiol Clin North Am* 1986; 24: 269
 Porter DH See Crivello MS
 Porter DH See Orron DE
 Porter DH; Kim D; Austin RM: cholecystojejunostomy intussusception. *Gastrointest Radiol* 1988; 13: 227
 Porter DK See Quinn DL
 Porter EA See Martin DF
 Porter R See Baber R
 Portfield B See Onik G
 Portfield CS See Todd MB
 Portman MA; James S; Heineman FW; et al: simultaneous monitoring of coronary blood flow and ³¹P NMR detected myocardial metabolites. *Magn Res Med* 1988; 7: 243
 Portuese A See Proccaci C
 Pose M See Faust D
 Poser CM; Kleefeld J; O'Reilly GV; et al: neuroimaging and the lesion of multiple sclerosis. *AJNR* 1987; 8: 549
 Posin JP See Clanci P
 Posin JP See Ortendahl DA
 Posmituck G See Zorba J
 Posner MF See Ingram TL
 Posniak H See Olson M
 Posniak HV See Demos TC
 Posniak HV; Tempary C; Demos TC; et al: computed tomography of posterior pararenal and preperitoneal metastases. *Urol Radiol* 1988; 10: 75
 Post MJD See Altman NR
 Post MJD See Berger JR
 Post MJD See Castillo M
 Post MJD See Quencer RM
 Post MJD; Curless RG; Gregorio JB; et al: reactivation of congenital cytomegalic inclusion disease in an infant with HTLV-III associated immunodeficiency: CT-pathologic correlation. *JCAT* 1986; 10: 533
 Post MJD; Hensley GT; Moskowitz LB; et al: cytomegalic inclusion virus encephalitis in patients with AIDS: CT, clinical, and pathologic correlation. *AJNR* 1986; 7: 275
 Post MJD; Hensley GT; Moskowitz LB; et al: cytomegalic inclusion virus encephalitis in patients with AIDS: CT, clinical, and pathologic correlation. *AJR* 1986; 146: 1229
 Post MJD; Quencer RM; Green BA; et al: intramedullary spinal cord metastases, mainly of nonneoplastic origin. *AJNR* 1986; 7: 329
 Post MJD; Quencer RM; Green BA; et al: radiologic evaluation of spinal cord fissures. *AJNR* 1986; 7: 329
 Post MJD; Quencer RM; Montalvo RM; Katz BH; Eismont FJ; Green BA: spinal infection: evaluation with MR imaging and intraoperative US. *Radiology* 1988; 169: 763
 Post MJD; Sheldon JJ; Hensley GT; Soila KP; Tobias JA; Chan JC; Quencer RM; Moskowitz LB: central nervous system disease in acquired immunodeficiency syndrome: prospective correlation using CT, MR imaging, and pathologic studies. *Radiology* 1986; 158: 141
 Post MJD; Tate LG; Quencer RM; et al: CT, MR, and pathology in HIV encephalitis and meningitis. *AJNR* 1988; 9: 469
 Poster R See Listinsky JJ
 Postlethwait RW See Bladegroen MR
 Postlethwait RW See Halvorsen RA Jr
 Postma MP; Smith R: scrotal cystocele with bladder calculi (case report). *AJR* 1986; 147: 287
 Potamian I See Hoffman JM
 Potchen EJ See Mann LC
 Potgieter PD See Wilcox FA
 Potlmann R See Foster A
 Potish RA See Levitt SH
 Potish RA: radiation therapy of periaortic node metastases in cancer of the uterine cervix and endometrium. *Radiology* 1987; 165: 567
 Potish RA; Gerbi BJ: cervical cancer: intracavitary dose specification and prescription. *Radiology* 1987; 165: 555
 Potish RA; Gerbi BJ: role of point A in the era of computerized dosimetry. *Radiology* 1988; 168: 827
 Potter BM See Brick SH
 Potter BM See Eggl KD
 Potter D See Pass HI
 Potter P See Hachinski VC
 Potter R See Muller R-P
 Pötter E See Wernecke K
 Pottmeyer EW III; Frey CF; Matsuno S: pancreaticopleural fistulas. (ab). *Radiology* 1988; 166: 292

Potts

- Potts TM See Archambeau JO
 Pottuz GJ See Martin N
 Pou S See Keana JFW
 Poullaude JM; Meyer F; Minh VT; et al: enterolithiasis in two neonates with oesophageal and anorectal atresia. *Pediatr Radiol* 1987; 17: 419
 Poullion M See Van Steenberg W
 Poullion MM See Wilms G
 Poulakos I See Hauer-Jensen M
 Poulsen EU; Frjkaer J; Taagehøj-Jensen F; et al: diuresis renography and simultaneous renal pelvic pressure in hydronephrosis. (ab). *Radiology* 1988; 166: 587
 Poulsen HS See Hermansen C
 Poulsen J; Rasmussen F; Georgsen J: hypotensive shock associated with bradycardia after intravenous injection of contrast medium. *Radiology* 1987; 164: 275
 Poulsen MG; arteriovenous malformations—a summary of 6 cases treated with radiation therapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 1553
 Poulsen MG; Fitchew RS: simple device for calculating removal times for brachytherapy sources. *Australas Radiol* 1987; 31: 428
 Poulsen MG; Roberts SJ: prognostic variables in endometrial carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 1043
 Poulter C See Koski A
 Poulter CA See Kantorowitz DA
 Pourquier H See Dobois JB
 Pourquier H See Horiet J-C
 Pourquier H; Delard R; Achille E; et al: quantified approach to the analysis and prevention of urinary complications in radiotherapeutic treatment of cancer of the cervix. *Int J Radiat Oncol Biol Phys* 1987; 13: 1025
 Poussin-Rosillo H See Salazar OM
 Poussin-Rosillo H See Slawson RG
 Pow-Anongkul S See Yiangruksawan A
 Powe J See Tobin M
 Powe J; Thompson T; Maguire C: changes in cerebral perfusion after acute head injury. *Radiology* 1988; 167: 581
 Powe JE; Palevsky HI; McCarthy KE; Alavi A: pulmonary arterial hypertension: value of perfusion scintigraphy. *Radiology* 1987; 164: 727
 Powe NR See Kinnison ML
 Powe NR See Steinberg EP
 Powe NR; Steinberg EP; Erickson JE; Moore RD; Smith CR; White RJ Jr; Brinker JA; Fishman EK; Zinsreich SJ; Kinnison ML; Anderson GF: contrast medium—induced adverse reactions: economic outcome. *Radiology* 1988; 169: 163
 Powell BL; Jackson DV Jr; Scarantino CW; et al: sequential hemibody irradiation integrated into a chemotherapy—local radiotherapy program for limited disease small cell lung cancer. *Int J Radiat Oncol Biol Phys* 1986; 12: 1951
 Powell DE See Stelling CB
 Powell M See Algeo JH Jr
 Powell MC See Mawhinney RR
 Powell MC; Buckley J; Worthington BS; et al: magnetic resonance imaging and hydridiform mole. *Br J Radiol* 1986; 59: 561
 Powell OM See Adapte-MH
 Powell-Jackson P See Raby N
 Powell-Jackson P; Forbes A; Nicholl M; et al: effect of cirrhosis on accuracy of ^{99m}Tc-tin colloid scintigraphy and ultrasound scanning in diagnosis of hepatocellular carcinoma. *Br J Radiol* 1987; 60: 1221
 Powell-Jackson PR; Karani J; Ede RJ; et al: ultrasound scanning and ^{99m}Tc sulphur colloid scintigraphy in diagnosis of Budd-Chiari syndrome. (ab). *Radiology* 1987; 164: 881
 Power RLB See Simons MA
 Power TC See Wang A-M
 Powers A See Francavilla TL
 Powers BE; McChesney SL; Gillette EL: late radiation response of the canine trachea with change in dose per fraction. *Int J Radiat Oncol Biol Phys* 1987; 13: 1673
 Powers TA See McNeal GR
 Powers TA; Partain CL; Kessler RM; Freeman MW; Robertson RH; Wyatt SH; Whelan HT: central nervous system lesions in pediatric patients: Gd-DTPA-enhanced MR imaging. *Radiology* 1988; 169: 723
 Powlis WD; Brikman I; Seshadri SB; Bloch P: portal radiographs: digital enhancement of contrast. *Radiology* 1988; 169: 839
 Powlis WD; Mauch P; Goffman T; et al: treatment of patients with "minimal" stage IIIA Hodgkin's disease. *Int J Radiat Oncol Biol Phys* 1987; 13: 1437
 Powisner R; Royal H; Parker JA: gravity-aided Meckel's scan. *Clin Nucl Med* 1987; 12: 654
 Poylecot G See Doyon D
 Pozderac RV See Lee JY
 Poznanski AK See Donaldson JS
 Poznanski AK See Fitzgerald SW
 Poznanski AK See Glass RB
 Poznanski AK See Say B
 Poznanski AK See Schlesinger AE
 Pozniak AL See Heron CW
 Pozniak MA See Craas JR
 Pozniak MA See Cullenward MJ
 Pozniak MA; Cullenward MJ; Zickuhr D; et al: venous lake bleeding: a complication of chorionic villus sampling. *J Ultrasound Med* 1988; 7: 297
 Pozniak MA; Scanlan K; Yandow D: ultrasound in the evaluation of bowel disorders. *Semin US CT MR* 1987; 8: 366
 Pozzilli C See Itoh M
 Pozzi-Mucelli RS See Dalla-Palma L
 Pozzi-Mucelli RS See Richardson ML
 Pradel J See Parienty RA
 Pradhan DG See Rostom AY
 Pradhan DG; Brown CH: gastro-duodenal morbidity of para-aortic and iliac lymph node irradiation using a single anterior 16 MV X-ray field. *Clin Radiol* 1988; 39: 438
 Praestholm J; Dissing I; Herning M: radiology on postage stamps. *Radiographics* 1988; 8: 981
 Praestholm J; Dissing I; Herning M: radiology on postage stamps: part 2. *Radiographics* 1988; 8: 1203
 Prager D See Rienzo RJ
 Prager P See Strauss LG
 Prasantarangkul O-A See Singcharoen T
 Prakash R See Gupta RK
 Prakash R; Jena A; Behari V; et al: intrahepatic bile leak producing delayed accumulation of technetium-99m DISIDA in an amebic liver abscess. *Clin Nucl Med* 1986; 11: 360
 Prakash R; Jena A; Behari V; et al: technetium-99m red blood cell scintigraphy in diagnosis of hepatic hemangioma. *Clin Nucl Med* 1987; 12: 235
 Prakash R; Lakshminpathi N; Jena A; et al: hyperthyroidism caused by a toxic intrathoracic goiter with a normal-sized cervical thyroid gland. *J Nucl Med* 1986; 27: 1423
 Prakash UBS; Barham SS; Carpenter HA; et al: pulmonary alveolar phospholipoproteinosis: experience with 34 cases and a review. (ab). *Radiology* 1987; 165: 295
 Prammer M See Haselgrove J
 Prasad J See Bhushan B
 Prasad N; Lotzova E; Thornby JL; et al: effects of MR imaging on murine natural killer cell cytotoxicity. *AJR* 1987; 148: 415
 Prasad PJ See Kataria S
 Prasad UR See Montour JL
 Prat X See Lamarque JL
 Prato FS See Innis NK
 Prato FS See Lewis CE
 Prato FS See Marrocco BJD
 Prato FS See Ossenkopp K-P
 Prato FS See Sweetland J
 Prato FS; Drost DJ; Keys T; et al: optimization of signal-to-noise ratio in calculated T₁ images derived from two spin-echo images. *Magn Res Med* 1986; 3: 63
 Prato FS; Drost DJ; King M; et al: cardiac T₁ calculations from MR spin-echo images. *Magn Res Med* 1987; 4: 227
 Prato FS; Nicholson RL; Smith M; et al: hazards and associated recommendations for Canadian MR imaging sites. *J Canad Assoc Radiol* 1986; 37: 233
 Prato FS; Ossenkopp K-P; Kavaliers M; et al: attenuation of morphine-induced analgesia in mice by exposure to magnetic resonance imaging: separate effects of the static, radiofrequency and time-varying magnetic fields. *Magn Res Imag* 1987; 5: 9
 Prats E See Rios G
 Prats-Estevé M See Fandos-Morera A
 Pratt PC See Foster WL Jr
 Pratt PC: radiographic appearance of the chest in emphysema. *Invest Radiol* 1987; 22: 927
 Pratt T See Crean PA
 Prein J See Remagen W
 Preminger GM; Clayman RV; Hardeman SW; et al: percutaneous nephrostolithotomy vs open surgery for renal calculus: comparative study. (ab). *Radiology* 1986; 158: 281
 Preminger GM; Miller RH III; Curry T: entrapment of renal calculi by Malcott nephrostomy tubes. *Br J Radiol* 1988; 61: 81
 Premkumar A See Brinberg DE
 Premkumar A; Berdon WE; Levy J; et al: emergence of hepatic fibrosis and portal hypertension in infants and children with autosomal recessive polycystic kidney disease: initial and follow-up sonographic and radiographic findings. *Pediatr Radiol* 1988; 18: 123
 Premkumar A; Lattimer J; Newhouse JH: CT and sonography of advanced urinary tract tuberculosis. *AJR* 1987; 148: 65
 Premkumar A; Newhouse JH: seminal vesicle tuberculosis: CT appearance. *JCAT* 1988; 12: 676
 Premont M See Delouche G
 Prempre T; Amornmar R: radiation treatment of primary carcinoma of the vagina. (ab). *Radiology* 1986; 158: 576
 Prensky AJ See Geyer CA
 Prere J; Puech JL; Deroover N; et al: rhinorrhea and meningitis due to post-traumatic osteomeningeal defects in the anterior cranial fossa: diagnosis with water-soluble CT cisternography. *J Neuroradiol* 1986; 13: 278
 Present CA See Turner AF
 Prescott GH See Hegge FN
 Prescott MC See Wujanto R
 Present DA See Abdelwahab IF
 Present DA; Bertoni F; Enneking WF: case report 348. *Skeletal Radiol* 1986; 15: 82
 Present DA; Bertoni F; Enneking WF: case report 348. *Skeletal Radiol* 1986; 15: 236
 Present DA; Bertoni F; Hudson T; et al: correlation between the radiologic staging studies and histopathologic findings in aggressive stage 3 giant cell tumor of bone. (ab). *Radiology* 1986; 160: 285
 Preshaw RM See Halasa C
 Press F See Meizner I
 Press GA See Healy ME
 Press GA See Hesslink JR
 Press GA See Weindling SM
 Press GA; Hesslink JR: MR imaging of cerebellopontine angle and internal auditory canal lesions at 1.5 T. *AJNR* 1988; 9: 241
 Pressman BD; Mink JH; Turner RM; et al: low-dose metrizamide spinal computed tomography in outpatients. *JCAT* 1986; 10: 817
 Pressman BD; Tourje E; Thompson JR: early CT sign of ischemic infarction: increased density in a cerebral artery. *AJNR* 1987; 8: 645
 Presti C; Feigenbaum H; Armstrong WF; et al: digital two-dimensional echocardiographic imaging of the proximal left anterior descending coronary artery. (ab). *Radiology* 1988; 167: 886
 Prestidge BR; Horning SJ; Hoppe RT: combined modality therapy for stage I-II large cell lymphoma. *Int J Radiat Oncol Biol Phys* 1988; 15: 633
 Prestipino AJ See Guglielmo FF
 Preston AL See Rulin MC
 Preston BJ See Szypyt P
 Preston CJ; Duncan W; Kerr GR: radical treatment of prostatic carcinoma by megavoltage X-ray therapy. *Clin Radiol* 1986; 37: 473
 Preston P See Fowle S
 Preston PR See Rushton DI
 Preston RC See Coleman AJ
 Preston RC: measurement and characterisation of bio-medical ultrasonic fields: summary of the London Meeting on Ultrasound Standards, 5 July 1985. *Ultrasound Med Biol* 1986; 12: 706
 Preston RC: overview of the AIUM/NEMA standard and the draft IEC standard for ultrasound exposure measurements. *Ultrasound Med Biol* 1986; 12: 680
 Pretorius DH See Bair JH
 Pretorius DH See Barkin SZ
 Pretorius DH See Hayden SA
 Pretorius DH See Nelson TR
 Pretorius DH See Russ PD
 Pretorius DH See Stamm ER
 Pretorius DH; Drose JA; Dennis MA; et al: tracheoesophageal fistula in utero: twenty-two cases. *J Ultrasound Med* 1987; 6: 509
 Pretorius DH; Drose JA; Manco-Johnson ML: fetal lateral ventricular ratio determination during the second trimester. *J Ultrasound Med* 1986; 5: 121
 Pretorius DH; Lee ME; Manco-Johnson ML; et al: diagnosis of autosomal dominant polycystic kidney disease in utero and in the young infant. *J Ultrasound Med* 1987; 6: 249
 Pretorius DH; Leopold GR; Moore TR; et al: acardiac twin: report of Doppler sonography. *J Ultrasound Med* 1988; 7: 413
 Pretorius DH; Manchester D; Barkin S; et al: Doppler ultrasound of twin transfusion syndrome. *J Ultrasound Med* 1988; 7: 117
 Pretorius DH; Rumack CM; Manco-Johnson ML; Manchester D; Meier P; Bramble J; Clewell W: specific skeletal dysplasias in utero: sonographic diagnosis. *Radiology* 1986; 159: 237
 Pretorius DH; Russ PD; Rumack CM; et al: diagnosis of brain neuropathology in utero. *Neuroradiol* 1986; 28: 386
 Prevatt LK See Williams JL
 Previle EJ: presentation of an unusual complication of an ovarian cyst. *J Canad Assoc Radiol* 1987; 38: 222
 Prevost WJ See McArdle CB
 Preziosi P; Fariello G; Maiorana A; et al: antenatal sonographic diagnosis of complicated ovarian cysts. *JCU* 1986; 14: 196
 Price A See Wilkins RA
 Price A; Kerr GR; Arnett SJ: radioactive needle implants in the treatment of anorectal cancer. *Clin Radiol* 1988; 39: 186

- Price A; Quilty PM; Ludgate SM: extramedullary plasmacytoma of the rectum: two cases treated by radiotherapy, *Clin Radiol* 1987; 38: 283
- Price AC See Diggs J
- Price AC See Runge VM
- Price AC; Runge VM; Allen JH; et al: primary glioma: diagnosis with magnetic resonance imaging, *CT* 1986; 10: 325
- Price AP See Mezzacappa PM
- Price AP See Zimmerman BL
- Price C See Fache JS
- Price DB See Wahlmuth DE
- Price DB; Holton GC; Loh JP: pontine calcification following radiotherapy: CT demonstration, *JCAT* 1988; 12: 45
- Price DB; Nardi P; Teitcher J: venous air embolization as a complication of pressure injection of contrast media: CT findings, *JCAT* 1987; 11: 294
- Price DC See Vigneron DB
- Price GJ See Redmond PL
- Price HI See Lee KR
- Price HM See Meyer JS
- Price J; Cockram CS; McGuire LJ; et al: uptake of ^{99m}Tc-methylene diphosphonate by pancreatic insulinoma, *AJR* 1987; 149: 69
- Price J; Leung JWC: ultrasound diagnosis of *Ascaris lumbricoides* in the pancreatic duct: the "four-lines" sign, *Br J Radiol* 1988; 61: 411
- Price J; McGuire LJ; Chan MSY: multiple myeloid metaplasia, *Br J Radiol* 1988; 61: 521
- Price J; Metreweli C: ultrasonographic diagnosis of clinically non-palpable primary colonic neoplasms, *Br J Radiol* 1988; 61: 190
- Price JB See Laffey KJ
- Price LM See Kelly JK
- Price MJ See Smoker WRK
- Price RR See Conturo TE
- Price RR See James AE Jr
- Price RR See Kessler RM
- Price RR See Kulkarni MV
- Price RR See Partain CL
- Price RR See Patton JA
- Prichard JG See Scalfano FP Jr
- Prichard JW See Behar KL
- Priddy BR: role of ultrasound in the management of twin pregnancies, (ab), *Radiology* 1986; 158: 862
- Priest ND: prediction of the relative toxicities of radium 224 and of radium 226 in the bones of mice using Monte Carlo techniques, *Br J Radiol* 1987; 60: 677
- Priestman SG; Priestman TJ; Canney PA: double-blind randomised cross-over comparison of nabifone and metoprolol in the control of radiation-induced nausea, *Clin Radiol* 1987; 38: 543
- Priestman TJ See Priestman SG
- Prieto ML See Robledo R
- Prigent F; Maddahi J; Garcia EV; et al: comparative methods for quantifying myocardial infarct size by thallium-201 SPECT, *J Nucl Med* 1987; 28: 325
- Princ G See Zouaoui A
- Prince JR See Wilson DA
- Prince MR; Salzman EW; Schoen FJ; et al: local intravascular effects of the nitinol wire blood clot filter, *Invest Radiol* 1988; 23: 294
- Princenthal RA See Rigby CM
- Princenthal RA See vanSonnenberg E
- Princenthal RA See Willson SA
- Pring DJ; Henderson RG; Keshavarzian A; et al: indium-granulocyte scanning in the painful prosthetic joint, *AJR* 1986; 147: 167
- Pringle KC See Renfrew DL
- Pringle KC See Sato Y
- Pringot J See Mathieu D
- Pringot J See Van Beers B
- Print DA See Cho KC
- Prionas SD See Kapp DS
- Prior P See Gyde SN
- Pritchard WF See Gaylord GM
- Prober A; Cozocov C; Barkai M: variant of the Mirizzi syndrome, *Br J Radiol* 1988; 61: 331
- Probst P See Saltzman J
- Probst-van Zuylen FE See Wiggeraad R
- Proccacci C; Andreis IAB; Caudana R; et al: multiplanar study of the mediastinum with electronically reconstructed computed tomography images, *J Thorac Imag* 1987; 2: 49
- Proccacci C; Portuese A; Fugazzola C; et al: duodenal duplication in the adult: its relationship with pancreatitis, *Gastrointest Radiol* 1988; 13: 315
- Procter AE See Cumberland DC
- Proctor E See Gadian DG
- Proctor E See Williams SR
- Prodromos CC See Turner DA
- Proesmans WC See Marchal GJF
- Proffitt RT See Turner AF
- Proffitt RT See Williams LE
- Proper K See Choi NC
- Prophet WD See Katzenstein A-LA
- Proppe KH See Okunieff P
- Prosnitz LR See Anaschar MS
- Prosnitz LR See Fulkerson WJ
- Prost JEH; Wehrli FW; Drayer BP; et al: SAR reduced pulse sequences, *Magn Res Imag* 1988; 6: 125
- Prost R See Haughton VM
- Prothero JS See Stimac GK
- Proto AV See Corcoran HL
- Proto AV See Moser ES Jr
- Proto AV See Pomeranz SJ
- Proto AV See Zerhouni EA
- Proto AV: mediastinal anatomy: emphasis on conventional images with anatomic and computed tomographic correlations, *J Thorac Imag* 1987; 2: 1
- Proto AV: scientific exhibits: a note from the committee chairman, *Radiographics* 1988; 8: 830
- Proto AV; Chaliff ME: apical opacity: normal finding on posteroanterior chest radiographs, *Radiology* 1986; 161: 429
- Proto AV; Cuthbert NW; Raider L: aberrant right subclavian artery: further observations, *AJR* 1987; 148: 253
- Proto AV; Moser ES Jr: upper lobe volume loss: divergent and parallel patterns of vascular reorientation, *Radiographics* 1987; 7: 875
- Provisor AJ See Cohen MD
- Provisor AJ See Jongejan HTM
- Prows J; Janjan NA; Gillin MT; Wilson JF: head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, *Radiology* 1988; 169: 831
- Fruitt WB See Williamson MR
- Fruvost P See Guilbeau JC
- Fruvost P See Willinsky R
- Fruzanovsky S See Mafee MF
- Fryor DB See Frankel N
- Fryor RJ See Daves ML
- Frytherth DR See Baker AR
- Fualla JV See Lewis P
- Fuhrman KE; Dretler SP: extracorporeal shock wave lithotripsy of caliceal diverticula calculi, (ab), *Radiology* 1988; 167: 292
- Fiaznik J; Jones B; Polga JP: obstruction of the third portion of the duodenum, *Australas Radiol* 1986; 30: 19
- Fiaznik R; Hennessy OF: pelvic hydatid disease presenting as acute urinary retention, *Br J Radiol* 1988; 61: 164
- Fuapairoj S See Dhieniriri T
- Fudlow RM See Schlesinger AE
- Fueh JL See Frier J
- Fueh JL; Song MY; Joffe F; et al: ureteral metastases—computed tomographic findings, *Eur J Radiol* 1987; 7: 103
- Fueh JL; Song MY; Rousseau H; et al: recurrent pheochromocytoma: intrarenal and pulmonary spread, *Urol Radiol* 1986; 6: 49
- Fuel J See Rousseau H
- Fueschel SM; Scola FH: atlantoaxial instability in individuals with Down syndrome: epidemiologic, radiographic, and clinical studies, (ab), *Radiology* 1988; 168: 296
- Pugh N See Garrett P
- Pugh NO See Renner WD
- Pugh P; Brenner M; Milne ENC: splenic size on routine chest films in AIDS: diagnostic and prognostic significance, *J Thorac Imag* 1988; 3-2: 40
- Pugh TF; Fitch SJ: invasive gastric candidiasis, *Pediatr Radiol* 1986; 16: 67
- Pui MH; Chin-Sang HB; Rubenstein JD: false-normal bone imaging in spinal tuberculosis, *Clin Nucl Med* 1986; 11: 245
- Puijaert CBAJ See Mali WFTM
- Puijaert CBAJ; Mali WFTM; Rosenbusch G; van Straalen AM; Klinge J; Feldberg MAM: delayed rupture of renal artery after renal percutaneous transluminal angioplasty, *Radiology* 1986; 159: 635
- Pukkila O See Pietila J
- Pulpeiro JR See Gallego MS
- Pulpeiro JR; Cruz R; Arenas A; et al: para-oesophageal synovial sarcoma, *Eur J Radiol* 1988; 8: 120
- Pulpeiro JR; Lopez I; Sotelo T; et al: congenital cystic adenomatoid malformation of the lung in a young adult, *Br J Radiol* 1987; 60: 1128
- Punt JA See Jaapan T
- Punzi L See Corbetti F
- Purcell M See Shih W-J
- Purdy JA See Henderson SD
- Puri S See Sharma S
- Purner RK See Altman NR
- Purush CM; Sell TL; Jones RH: new method to determine left ventricular pressure-volume loops in the clinical setting, *J Nucl Med* 1988; 29: 1492
- Purvin V; Dunn DW; Edwards M: MRI and cerebral venous thrombosis, *Comput Radiol* 1987; 11: 75
- Pusey E See Lois JF
- Pusey E See Lufkin RB
- Pusey E; Kortman KE; Flannigan BD; et al: MR of craniopharyngeomas: tumor delineation and characterization, *AJNR* 1987; 8: 439
- Pusey E; Lufkin RB; Brown RKJ; Solomon MA; Stark DD; Tarr RW; Hanafey WN: magnetic resonance imaging artifacts: mechanism and clinical significance, *Radiographics* 1986; 6: 891
- Pusey E; Yoon C; Anselmo ML; et al: aliasing artifacts in MR imaging, *Comput Med Imag Graph* 1988; 12: 219
- Pusey EJ See Brown RKJ
- Puthawala AA; Syed AMN; Eads DL; et al: limited external beam and interstitial ¹⁹²Iridium irradiation in the treatment of carcinoma of the base of the tongue: a ten year experience, *Int J Radiat Oncol Biol Phys* 1988; 14: 839
- Putman CE See Foster WL Jr
- Putman CE See Khoury MB
- Putnam J See Röscher J
- Putnam JS See Rosch J
- Putnam JS See Uchida BT
- Putnam JS; Uchida BT; Antonovic R; Röscher J: superior vena cava syndrome associated with massive thrombosis: treatment with expandable wire stents, *Radiology* 1988; 167: 727
- Puttemans N; Lambert M; Andre PF; et al: detection of gastroduodenal ulcers using technetium-99m-labeled sucralate, *J Nucl Med* 1987; 28: 521
- Puttermann A See Mafee MF
- Puttermann AM See Millman AL
- Putz A See Janetschek G
- Puvaneswary M; Afzal M: angiographic appearances of islet cell tumours of the pancreas, (ab), *Radiology* 1986; 158: 858
- Puvaneswary M; Segasothy M: analgesic nephropathy: ultrasonic features, *Australas Radiol* 1988; 32: 247
- Puvaneswary M; Singham KT; Yap S: evaluation of intracardiac and pericardial tumours with computed tomography, *Australas Radiol* 1987; 31: 152
- Puvaneswary M; Teong CC: radiological, ultrasound and computed tomographic findings in a case of renal malacoplakia, *Australas Radiol* 1987; 31: 192
- Puyau FA; Lewis RW; Balkin P; Kaack MB; Hirsch A: dynamic corpus cavernosography: effect of papaverine injection, *Radiology* 1987; 164: 179
- Puylaert CBAJ See Binkhuysen FHB
- Puylaert JBCM: acute appendicitis: US evaluation using graded compression, *Radiology* 1986; 158: 353
- Puylaert JBCM: graded compression ultrasound in acute disease of the right lower quadrant, *Semin US CT MR* 1987; 8: 385
- Puylaert JBCM: mesenteric adenitis and acute terminal ileitis: US evaluation using graded compression, *Radiology* 1986; 161: 691
- Puylaert JBCM; Hoekstra F; de Vries BC; Rutgers PH; Lalisang RI; Ooms ECM: radiation appendicitis: demonstration with graded compression US, *Radiology* 1987; 164: 342
- Puylaert JBCM; Lalisang RI; van der Werf SD; Doornbos L: campylobacter ileocolitis mimicking acute appendicitis: differentiation with graded-compression US, *Radiology* 1988; 166: 737
- Puylaert JBCM; van der Werf SD; Ulrich C; Veldhuizen RW: Crohn disease of the ileocecal region: US visualization of the appendix, *Radiology* 1988; 166: 741
- Pye DW See Smith MA
- Pye SD; Wild SR; McDicken WN: clinical trial of a new adaptive TGC system for ultrasound imaging, *Br J Radiol* 1988; 61: 523
- Pyeritz RE See Kuhlman JE
- Pyeritz RE See Soulen RL
- Pyeritz RE See Wang H
- Pyhtinen J See Raustia AM
- Pykett IL See Razzidan RR
- Pykett IL; Razzidan RR: instant images of the body by magnetic resonance, *Magn Res Med* 1987; 5: 563
- Pysher TJ See Fleming JC
- Pysher TJ See Reyes de la Rocha S

- Qamar MI; Read AE; Skidmore R; et al: pulsatility index of superior mesenteric artery blood velocity waveforms, *Ultrasound Med Biol* 1986; 12: 773
- Qasim M: systemic radiation and split-course radiotherapy for non-small-cell bronchial carcinoma, *Clin Radiol* 1986; 37: 51
- Qin D: new needle for puncture biopsy, *AJR* 1986; 147: 543
- Qreishat WA See Kollawole TM
- Quackenbush RC See Shields AF

Quarley GRC See Llewellyn CG
 Quay SC See Pflugfelder FW
 Quencer RM See Castillo M
 Quencer RM See Dublin LM
 Quencer RM See Fannoy D
 Quencer RM See Hinks RS
 Quencer RM See Houdek PV
 Quencer RM See Montalvo BM
 Quencer RM See Post MJD
 Quencer RM See Schlesinger AE
 Quencer RM See Smith AS
 Quencer RM: injured spinal cord: evaluation with magnetic resonance and intraoperative sonography, *Radiol Clin North Am* 1988; 26: 1025
 Quencer RM: neuroimaging and head injuries: where we've been—where we're going, *AJR* 1988; 150: 13
 Quencer RM, Ayyar DR, Angus E, et al: somatosensory evoked potential measurements in percutaneous fluid aspiration from intraspinal cystic lesions, *AJNR* 1988; 9: 551
 Quencer RM, El Gamal T, Cohen G: syringomyelia associated with intradural extramedullary masses of the spinal canal, *AJNR* 1986; 7: 143
 Quencer RM, Hinks RS, Pattany PH, et al: improved MR imaging of the brain by using compensating gradients to suppress motion-induced artifacts, *AJNR* 1988; 9: 431
 Quencer RM, Montalvo BM: intraoperative cranial sonography, *Neuroradiol* 1986; 28: 528
 Quencer RM, Montalvo BM: time requirements for intraoperative neurosonography, *AJNR* 1986; 7: 155
 Quencer RM, Montalvo BM, Naidich TP, et al: intraoperative sonography in spinal dysraphism and syringohydromyelia, *AJNR* 1987; 8: 329
 Quencer RM, Sheldon JJ, Post MJD, et al: magnetic resonance imaging of the chronically injured cervical spinal cord, *AJNR* 1986; 7: 457
 Quenville NF See Becker CD
 Quenville NF See Munk PL
 Quero J See Gilsanz V
 Quesnel C See Paille P
 Quigley MJ, Fraser RS: pulmonary pneumatocoele: pathology and pathogenesis, *AJR* 1988; 150: 1275
 Quigley MM: in vitro fertilization 1986: new procedures and new questions, *Invest Radiol* 1986; 21: 503
 Quilty PM See Price A
 Quilty PM: report of late rectosigmoid morbidity in patients with advanced cancer of the cervix, treated by a six week pelvic brack technique, *Clin Radiol* 1988; 39: 297
 Quilty PM, Duncan W: influence of hemoglobin level on the regression and long term local control of transitional cell carcinoma of the bladder following photon irradiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 1735
 Quilty PM, Duncan W: primary radical radiotherapy for T3 transitional cell cancer of the bladder: analysis of survival and control, *Int J Radiat Oncol Biol Phys* 1986; 12: 853
 Quilty PM, Duncan W: radiotherapy for squamous carcinoma of the urinary bladder, *Int J Radiat Oncol Biol Phys* 1986; 12: 861
 Quilty PM, Kerr GR: bladder cancer following low or high dose pelvic irradiation, *Clin Radiol* 1987; 38: 583
 Quin RO See Vallance R
 Quinn DA See Morris TA
 Quinn DL, Ostrow LB, Porter DK, et al: staging of non-small cell bronchogenic carcinoma: relationship of the clinical evaluation to organ scans, (ab), *Radiology* 1986; 160: 572
 Quinn MF, Lundell CJ: stab wounds to the extremities: indications for angiography, *Radiology* 1987; 165: 291
 Quinn MF, Lundell CJ, Klotz TA, et al: reliability of selective pulmonary arteriography in the diagnosis of pulmonary embolism, *AJR* 1987; 149: 469
 Quinn SF See Bodne D
 Quinn SF See Pittman CC
 Quinn SF See Sanchez R
 Quinn SF See vanSonnenberg E
 Quinn SF, Bodne DJ, Clark RA, Karl RC, Nicotia SV: upper abdomen: CT findings following partial hepatectomy, *Radiology* 1988; 168: 879
 Quinn SF, Fazio F, Jones E: torsion of the gallbladder: findings on CT and sonography and role of percutaneous cholecystostomy, *AJR* 1987; 148: 881
 Quinn SF, Finney R, Rosemurgy A, et al: splenic artery pseudoaneurysm after placement of percutaneous transgastric catheter for a pancreatic pseudocyst, *AJR* 1988; 151: 495
 Quinn SF, Frau DM, Saff GN, Kavanagh J, Roberts W, Cavanagh D, Clark RA: neurologic complications of pelvic intraarterial chemoembolization performed with collagen material and cisplatin, *Radiology* 1988; 167: 55

Quinn SF, Murray W, Clark RA, et al: MR imaging of chronic osteomyelitis, *JCAT* 1988; 12: 113
 Quinn SF, Murray WT, Clark RA, Cochran CF: Achilles tendon: MR imaging at 1.5 T, *Radiology* 1987; 164: 767
 Quinn SF, Murray WT, Watkins T, et al: CT for determining the results of treatment of fractures of the wrist, *AJR* 1987; 149: 109
 Quinn SF, Muus C, Sara A, Estrada J, Walling A: meniscal tears: pathologic correlation with MR imaging, *Radiology* 1988; 166: 580
 Quinn SF, vanSonnenberg E, Casola G, Wittich GR, Neff CC: interventional radiology in the spleen, *Radiology* 1986; 161: 289
 Quint DJ, Boulos RS, Sanders WP, Mehta BA, Patel SC, Tiel RL: epidural lipomatosis, *Radiology* 1988; 169: 485
 Quint LE See Glazer GM
 Quint LE See Li KC
 Quint LE See Mattison GR
 Quint LE, Glazer GM, Chenevert TL, Fechner KP, Gikas PW, Shireman PK, Grossman HB, Li KC: in vivo and in vitro MR imaging of renal tumors: histopathologic correlation and pulse sequence optimization, *Radiology* 1988; 169: 359
 Quint LE, Glazer GM, Francis IR, Shapiro B, Chenevert TL: pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, *Radiology* 1987; 165: 89
 Quint LE, Glazer GM, Orringer MB: central lung masses: prediction with CT of need for pneumonectomy versus lobectomy, *Radiology* 1987; 165: 735
 Quint LE, Glazer GM, Orringer MB, et al: mediastinal lymph node detection and sizing at CT and autopsy, *AJR* 1986; 147: 469
 Quintana F See Ramos A
 Quinton DN, Finlay D, Butterworth R: elbow fat pad sign: brief report, (ab), *Radiology* 1988; 168: 294
 Quirk P See Isaacs JL
 Quisling RG See Hanner JS
 Quisling RG See Hawkins J
 Quisling RG See Lotz PR
 Quisling RG See Virapongse C
 Quissell BJ See Gaylord MS
 Quivey JM See Linstadt D
 Quon D See Halasa C
 Qureshi SA, Gregg JEM, Galloway RW: computed tomographic appearances of massive neonatal hemangioma of the liver: a case report, *CT* 1988; 12: 135
 Ra JB, Hilal SK, Cho ZH: method for *in vivo* MR imaging of the short T₂ component of sodium-23, *Magn Res Med* 1986; 3: 296
 Ra JB, Hilal SK, Cho ZH, et al: quadrature-multiplexed rf excitation for information doubling in NMR imaging, *Magn Res Med* 1986; 3: 105
 Ra JB, Hilal SK, Oh CH, et al: *in vivo* magnetic resonance imaging of sodium in the human body, *Magn Res Med* 1988; 7: 11
 Raabe N See Ragnarsson B
 Raabe R, Lawrence PE, Luers PR, et al: radiographic and clinical findings in unusual abdominal aortic aneurysms, *Cardiovasc Intervent Radiol* 1986; 9: 176
 Raabe RD See Foster MA
 Raaphorst GP, Vadasz J, Azzam EI: study of heat and radiation response of a malignant, melanin-producing cell line derived from C3H 10T1/2 cells transformed in culture by radiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 2151
 Raasch BN See Panicek DM
 Raaschou HO See Hegedus V
 Rabast U: simultaneous endoscopic and radiologic examination of the colon, *Gastrointest Radiol* 1986; 11: 247
 Rabbani R See Beierwaltes WH
 Rabbani R See Lynn MD
 Rabben U See Meister HP
 Rabe E See Hadley GP
 Raben M See McCuniff AJ
 Rabin A See Baker SR
 Rabin DN See Ramsey RG
 Rabin DN, Smith C, Kubicka RA, Rabin S, Ali A, Charters JR, Rabin H: problem prostheses: the radiologic evaluation of total joint replacement, *Radiographics* 1987; 7: 1107
 Rabin DN, Smith C, Witt TR, et al: voice change after barium enema: clinical sign of extraperitoneal colon perforation, *AJR* 1987; 148: 145
 Rabin H See Rabin DN
 Rabin S See Rabin DN

Rabinovitch M, Suissa S, Elstein J, et al: sex-specific criteria for interpretation of thallium-201 myocardial uptake and washout studies, *J Nucl Med* 1986; 27: 1837
 Rabinowitz JG See Hermann G
 Rabinowitz JG See Mendelson DS
 Rabinowitz JG See Yeh H-C
 Rabinowitz R See Wood BF
 Rabischong P See Braffman BH
 Rabischong P See Rubenstein SE
 Rabkin I, Orvichnikov V, Judin A: computed tomographic evaluation of morphological and functional condition of left ventricle in heart aneurysm, *Eur J Radiol* 1986; 6: 15
 Rabkin JE, Astafiev VI, Goshman LN, Grigorjev YG: transcatheter embolization in the management of pulmonary hemorrhage, *Radiology* 1987; 163: 361
 Raby N: radiological awareness of current recommendations on prophylaxis of infective endocarditis, *Br J Radiol* 1988; 61: 366
 Raby N: ultrasonographic appearances of glomus vagale tumour, *Br J Radiol* 1988; 61: 246
 Raby N, Karani J, Powell-Jackson P, et al: assessment of portal vein patency: comparison of arterial portography and ultrasound scanning, *Clin Radiol* 1988; 39: 381
 Raby N, Meire H: duodenal haematoma mimicking traumatic pancreatic pseudocyst, *Br J Radiol* 1986; 59: 279
 Raby N, Meire HB: duplex Doppler ultrasound in the diagnosis of cavernous transformation of the portal vein, *Br J Radiol* 1988; 61: 586
 Raby N, Vivian G: case report 478, *Skeletal Radiol* 1988; 17: 216
 Racker DR, Smith DC: glove rattling induction maneuver (GRIM): a valuable angiographic technique, *Cardiovasc Intervent Radiol* 1988; 11: 50
 Rackow PL, Spitzer VM, Hendee WR: detection of low-contrast signals: comparison of observers with and without radiology training, *Invest Radiol* 1987; 22: 311
 Rackson ME See Mitty HA
 Rackson ME See Naidich JB
 Rackson ME, Mitty HA, Dan SJ, et al: elevated bladder pressure: a cause of apparent ureteral stent failure, *AJR* 1988; 151: 335
 Racle A See Didier D
 Racle A See Weill FS
 Radecki PD See Ball DS
 Radecki PD See Belfar HL
 Radecki PD See Brick SH
 Radecki PD See Charles ND
 Radecki PD See Gombert JS
 Radecki PD See Herman SD
 Radecki PD See Hilpert PL
 Radecki PD See Mesgarzadeh M
 Radecki PD See Rindberg S
 Radecki PD See Rossmann MD
 Radecki PD See Ziskin MC
 Radecki SE: diagnostic radiology usage in ambulatory and hospital care, *Radiology* 1988; 167: 857
 Radford D See Mu-Sheng T
 Radin DR See Barakos JA
 Radin DR See Marks S
 Radin DR See Ralls PW
 Radin DR: giant fibroadipose polyp of the esophagus, *CT* 1988; 12: 226
 Radin DR, Boswell WD Jr, Ralls PW, et al: recognition of hypotensive shock on abdominal computed tomography, *CT* 1986; 10: 299
 Radin DR, Chandrasoma P: coexistent xanthogranulomatous pyelonephritis and renal cell carcinoma, *CT* 1987; 11: 294
 Radin DR, Cohen H, Halls JM: acalculous inflammatory disease of the biliary tree in acquired immunodeficiency syndrome: CT demonstration, *JCAT* 1987; 11: 775
 Radin DR, Colletti PM, Forrester DM, Tang WW: pancreatic acinar cell carcinoma with subcutaneous and intraosseous fat necrosis, *Radiology* 1986; 158: 67
 Radin DR, Colletti PM, Ralls PW, Boswell WD Jr, Halls JM: agenesis of the right lobe of the liver, *Radiology* 1987; 166: 639
 Radin DR, Craig JR, Colletti PM, Ralls PW, Halls JM: hepatic epithelioid hemangioendothelioma, *Radiology* 1988; 169: 145
 Radin DR, Halls JM: cavitating metastases of the stomach and duodenum, *CT* 1987; 11: 283
 Radin DR, Halls JM: cecal volvulus: complication of colonoscopy, *Gastrointest Radiol* 1986; 11: 110
 Radin DR, Halls JM: emphysematous cholecystitis presenting with pneumoperitoneum, *AJR* 1987; 149: 1175
 Radin DR, Ralls PW, Boswell WD Jr, et al: pheochromocytoma: detection by unenhanced CT, *AJR* 1986; 146: 741
 Radin DR, Ralls PW, Boswell WD Jr, et al: tumor thrombosis of the inferior vena cava due to retroperitoneal germ cell tumor, *Urol Radiol* 1987; 9: 26

- Radin DR; Ralls FW; Colletti FM; et al: CT of amebic liver abscess. *AJR* 1988; 150: 1297
- Radin DR; Ray MJ; Halls JM: strangulated diaphragmatic hernia with pneumothorax due to colopneural fistula. *AJR* 1986; 146: 321
- Radin DR; Ray MJ; Harrison E; et al: CT demonstration of ovarian varices. *JCAT* 1986; 10: 361
- Radin DR; Ray MJ; Ralls FW; et al: hepatolithiasis complicated by cholangiocarcinoma. *CT* 1987; 11: 315
- Radin DR; Rosen RS; Halls JM: acute gastric dilatation: rare cause of portal venous gas. *AJR* 1987; 148: 279
- Radin DR; Santiago EM: cholecystoduodenal fistula due to pancreatic carcinoma: CT diagnosis. *JCAT* 1986; 10: 149
- Radin DR; Siakind BN; Alpert S; et al: small-bowel varices due to mesenteric metastasis. *Gastrointest Radiol* 1986; 11: 183
- Radin DR; Vachon LA: CT findings in biliary and pancreatic acariasis. *JCAT* 1986; 10: 508
- Radin DR; Zelnar R; Ray MJ; et al: multiple granular cell tumors of the skin and gastrointestinal tract. *AJR* 1986; 147: 1305
- Radivoyevitch MA See Yagan R
- Radkowski MA See Byrd SE
- Radkowski MA See Naidich TP
- Radkowski MA See Schey WL
- Radkowski MA; Naidich TP; Tomita T; et al: neonatal brain tumors: CT and MR findings. *JCAT* 1988; 12: 10
- Radtke W See Lange PE
- Rae M See Johnston KW
- Rae M See Morin JF
- Raes M See Marchal GJF
- Raeth U; Schlaps D; Limberg B; et al: diagnostic accuracy of computerized B-scan texture analysis and conventional ultrasonography in diffuse parenchymal and malignant liver disease. (ab). *Radiology* 1986; 158: 287
- Raeymaekers HH; Borghys D; Eisendracht H: determinants of water proton T₁ in blood serum. *Magn Res Med* 1988; 6: 212
- Raff U See Hutchinson M
- Raffin TA See Wachtle J
- Raffi M See Firooznia H
- Raffi M See Kagen S
- Raffi M See Kramer EL
- Raffi M; Firooznia H; Bonomo JJ; Minkoff J; Golimbu C: athlete shoulder injuries: CT arthrographic findings. *Radiology* 1987; 162: 559
- Raffi M; Firooznia H; Golimbu C; et al: CT arthrography of capsular structures of the shoulder. *AJR* 1986; 146: 361
- Raffi M; Firooznia H; Golimbu C; et al: CT of skeletal metastasis. *Semin US CT MR* 1986; 7: 371
- Raffi M; Firooznia H; Golimbu C; et al: radiation induced fractures of sacrum: CT diagnosis. *JCAT* 1988; 12: 231
- Raffi M; Firooznia H; Kramer E; et al: role of computed tomography in evaluation of skeletal metastases. *CT* 1988; 12: 19
- Rafila S See Yang S-J
- Rafferty RG See Larson DC
- Rafto SE; Amendola MA; Gefter WB: MR imaging of recurrent colorectal carcinoma versus fibrosis. *JCAT* 1988; 12: 521
- Rafto SE; Dalinka MK; Schiebler ML; Burk DL Jr; Kricun ME: spondylarthropathy of the cervical spine in long-term hemodialysis. *Radiology* 1988; 166: 201
- Rafto SE; Gefter WB: MRI of the upper aerodigestive tract and neck. *Radiol Clin North Am* 1988; 26: 547
- Raghavendra BN See Goy AMC
- Raghavendra BN See Horii SC
- Raghavendra BN; Epstein FJ; Pinto RS; et al: sonographic diagnosis of diastematomyelia. *J Ultrasound Med* 1988; 7: 111
- Raghavendra BN; Horii SC; Hilton S; et al: deep venous thrombosis: detection by probe compression of veins. *J Ultrasound Med* 1986; 5: 89
- Raghavendra BN; Horii SC; Reede DL; et al: sonographic anatomy of the larynx, with particular reference to the vocal cords. *J Ultrasound Med* 1987; 6: 225
- Raghavendra BN; Young BK; Greco MA; Lustig-Gillman I; Horii SC; Hirsch MA; Yee J: use of furosemide in pregnancies complicated by oligohydramnios. *Radiology* 1987; 165: 455
- Ragnarsson B; Raabe N; Willems J; et al: carcinoma in situ of the vulva: long term prognosis. *Acta Oncol* 1987; 26: 277
- Ragosin R See Rose BS
- Ragozzino MW; Breckle R; Hill LM; Gray JE: average fetal depth in utero: data for estimation of fetal absorbed radiation dose. *Radiology* 1986; 158: 513
- Ragsdale BD See Nelson MC
- Ragsdale BD See Schellinger D
- Rahatzad MT; Adamson D: pictorial essay of pelvic and abdominal masses seen during pregnancy. *JCU* 1986; 14: 255
- Rahim H See Kogelnik HD
- Rahimian J See Glass EC
- Rahimian J See Touya JJ
- Rahman M; Koneru SR; McEwan AB: renal embolisation for urinary fistula using alcohol (chemical nephrectomy). *Br J Radiol* 1986; 59: 940
- Rahmani MR See Fong KW
- Rahmani MR See Zalev AH
- Rahmani MR; Fong KW; Connor TP: varied sonographic appearance of cystic hygromas in utero. *J Ultrasound Med* 1986; 5: 165
- Rahmani MR; Zalev AH: antenatal detection of esophageal atresia with distal tracheoesophageal fistula. *JCU* 1986; 14: 143
- Rahmatulla TD See Henderson RG
- Raichlen JS See Steiner RM
- Raider L See Proto AV
- Raiker RV See Wilkins SA Jr
- Rainhorn JD See Fernandez H
- Raininko R See Korman M
- Raininko R; Laivola J; Irlja K: high dose brain CT with ioxaglate and diazoxide adverse reactions and effects on urine protein tests. *Eur J Radiol* 1988; 8: 44
- Raininko R; Sonninen P: dorsal CSF space at C1-II level: technique of cervical myelography. *Neuroradiol* 1987; 29: 73
- Raininko R; Ylisen S-L: effect of ionic and non-ionic contrast media on aggregation of red blood cells in vitro: preliminary report. *Acta Radiol* 1987; 28: 87
- Raisis IP; Park CH; Yang SL; et al: lung uptake of technetium-99m phosphate compounds after liver transplantation. *Clin Nucl Med* 1988; 13: 188
- Raisis GJ; Bree RL; Schwab RE; et al: further observations in the ultrasound evaluation of renal allograft rejection. *J Ultrasound Med* 1986; 5: 439
- Rajani M; Mukhopadhyay S; Dogra B; et al: primary cardiac mass lesions (a study of 24 cases). *Australas Radiol* 1988; 32: 84
- Rajani M; Mukhopadhyay S; Maheshwari R; et al: cine-fluororadiographic evaluation of the Björk-Shiley prosthesis—serial post-operative follow-up in 400 patients. *Australas Radiol* 1986; 30: 13
- Raji MR See Dross P
- Rajszys F See Rasinska G
- Raju MR See Tokita N
- Raju TNK; Zikos E: regional cerebral blood velocity in infants: a real-time transcranial and fontanelar pulsed Doppler study. *J Ultrasound Med* 1987; 6: 497
- Rak K; Hopper KD; Parker SH: "starry sky" liver with Burkitt's lymphoma. *J Ultrasound Med* 1988; 7: 279
- Raleigh JA See Urtasun RC
- Raleigh JA; Franko AJ; Treiber EO; et al: covalent binding of a fluorinated 2-nitroimidazole to EMT-6 tumors in BALB/C mice: detection by F-19 nuclear magnetic resonance at 2.35 T. *Int J Radiat Oncol Biol Phys* 1986; 12: 1243
- Ralls FW See Barakos JA
- Ralls FW See Colletti FM
- Ralls FW See Jabour BA
- Ralls FW See Radin DR
- Ralls FW See Rector WG Jr
- Ralls FW See Remedios PA
- Ralls FW; Barakos JA; Kaptein EM; et al: renal biopsy—related hemorrhage: frequency and comparison of CT and sonography. *JCAT* 1987; 11: 1031
- Ralls FW; Barakos JA; Skinner DG; Boswell WD Jr; Radin DR; Colletti FM; Halls JM: imaging of the Kock continent ileal urinary reservoir. *Radiology* 1986; 161: 477
- Ralls FW; Barnes PF; Johnson MB; De Cock KM; Radin DR; Halls JM: treatment of hepatic amebic abscess: need for percutaneous drainage. *Radiology* 1987; 165: 805
- Ralls FW; Barnes PF; Radin DR; et al: sonographic features of amebic and pyogenic liver abscesses: a blinded comparison. *AJR* 1987; 149: 499
- Ralls FW; Hartman B; White W; et al: computed tomography of benign cystic teratoma of the omentum. *JCAT* 1987; 11: 548
- Ralls FW; Henley DS; Colletti FM; Benson R; Raval JK; Radin DR; Boswell WD Jr; Halls JM: amebic liver abscess: MR imaging. *Radiology* 1987; 165: 801
- Ralls FW; Johnson MB; Kanel G; Dobalian DM; Colletti FM; Boswell WD Jr; Radin DR; Halls JM: FM sonography in diffuse liver disease: prospective assessment and blinded analysis. *Radiology* 1986; 161: 451
- Ralls FW; Mayekawa DS; Lee KP; et al: color-flow Doppler sonography in Graves disease: "thyroid inferno". *AJR* 1988; 150: 781
- Ralston MD; Wilkinson RH Jr: bilateral urinothorax identified by technetium-99m DTPA renal imaging. *J Nucl Med* 1986; 27: 56
- Ram MD See Lee AW
- Ramamurthy BS See Mallikarjuniah GS
- Ramamurthy S See Ackerman L
- Ramanathan K See Epstein S
- Ramanathan K See Yaghoobian J
- Ramanathan K; Epstein S; Yaghoobian J: localized deposition of Wharton's jelly: sonographic findings. *J Ultrasound Med* 1986; 5: 339
- Ramanathan K; Yaghoobian J; Pinck RL: sperm granuloma. *JCU* 1986; 14: 155
- Ramanna L See Brachman ML
- Ramanna L; Alderson PO; Waxman AD; et al: regional comparison of technetium-99m DTPA aerosol and radioactive gas ventilation (xenon and krypton) studies in patients with suspected pulmonary embolism. *J Nucl Med* 1986; 27: 1391
- Ramanna L; Moser L: regional function in a kidney with duplex collecting system. *Clin Nucl Med* 1986; 11: 53
- Ramée A See Bretagne J-F
- Ramée A See Raoul J-L
- Ramey SL See Hamlin DJ
- Ramey SL; Williams JL: nephrolithiasis and choledithiasis in a premature infant. *JCU* 1986; 14: 203
- Ramillo JL See Rosenblum J
- Ramillo JL See Yousefzadeh DK
- Ramirez R See Magill HL
- Ramos A; Quintana F; Diez C; et al: CT findings in spinocerebellar degeneration. *AJNR* 1987; 8: 635
- Ramos EC See Engelstad BL
- Ramos F Jr; Ba Zeze V; Velut S; et al: cystic meningiomas: practical value of a radio-surgical classification. *J Neuroradiol* 1987; 14: 271
- Ramos I See Taylor KJW
- Ramos I; Fernandez LA; Morse SS; et al: detection of neovascular signals in a 3 day Walker 256 rat carcinoma by CW Doppler ultrasound. *Ultrasound Med Biol* 1988; 14: 123
- Ramos IM; Taylor KJW; Kier R; Burns FN; Snower DP; Carter D: tumor vascular signals in renal masses: detection with Doppler US. *Radiology* 1988; 168: 633
- Ramos JR See Machi J
- Ramos L See Krul JM
- Ramos-Gabatin A; Orzel JA; Maloney TR; et al: severe systemic reaction to diphosphonate bone imaging agents: skin testing to predict allergic response and a safe alternative agent. *J Nucl Med* 1986; 27: 1432
- Rampelli GM See Guidoni L
- Rampling R See Pickering DG
- Rams A See Cáceres J
- Rams A See Gomez A
- Rams A See Mata JM
- Rams A See Olazabal A
- Ramsay J See Okunieff P
- Ramsay J; Suit HD; Sedlacek R: experimental studies on the incidence of metastases after failure of radiation treatment and the effect of salvage surgery. *Int J Radiat Oncol Biol Phys* 1988; 14: 1165
- Ramsay NK See Kim TH
- Ramsay NKC See Day DL
- Ramsby GR See Wilson AJ
- Ramsden D See Walton L
- Ramsden RT See Stack JP
- Ramsewak W See Millward SF
- Ramsewak W; Millward SF; Toi A; et al: CT guided percutaneous decompression of a renal duplication cyst in a child. *J Canad Assoc Radiol* 1986; 37: 46
- Ramsewak WS See Frost RA
- Ramsey NKC See Allan BT
- Ramsey RG See Russell EJ
- Ramsey RG; Czervionke L; Dommers M; et al: safety and efficacy of sodium and meglumine ioxaglate (Hexabrix) and Hypaque M60[®] in contrast-enhanced computed cranial tomographic scanning: double-blind chemical study. *Invest Radiol* 1987; 22: 56
- Ramsey RG; Geremia GK: CNS complications of AIDS: CT and MR findings. *AJR* 1988; 151: 449
- Ramsey RG; Rabin DN: removal of water-soluble contrast media after cervical myelography using cervical injection. *AJNR* 1986; 7: 141
- Ramtoola S; Maisey MN: subacute (de Quervain's) thyroiditis. *Br J Radiol* 1988; 61: 515
- Ranallo FN See Light MC
- Rand JA See Maus TP
- Rand LG See Frager DH
- Randall BC; Muraki AS; Osborn RE; et al: epidural lipomatosis with lumbar radiculopathy: CT appearance. *JCAT* 1986; 10: 1039
- Randall PA See Panicek DM
- Randall PA See Paquet DJ
- Randel S; Gooding GAW; Dillon WF: sonography of intraoperative spinal arteriovenous malformations. *J Ultrasound Med* 1987; 6: 539

Randel

- Randel SB; Filly RA; Callen PW; Anderson RL; Golbus MS: amniotic sheets, *Radiology* 1988; 166: 633
- Randel SB; Gooding GAW; Clark OH; Stein RM; Winkler R: parathyroid variants: US evaluation, *Radiology* 1987; 165: 191
- Randhawa V See Stewart F
- Randin RD See Harch JN
- Randolph HF III See Bernstein EF
- Raney RB See Curran WJ Jr
- Ranganathan N See Hoffstein V
- Rankin D; et al See Williams ED
- Rankin JS; Feneley MP; Hickey MSJ; et al: clinical comparison of mitral valve repair versus valve replacement in ischemic mitral regurgitation, (ab), *Radiology* 1988; 169: 884
- Rankin RN See Cadotte RN
- Rankin RN See D'Alotto C
- Rankin RN See Dion JE
- Rannikko S See Salo JO
- Ransohoff J See Cooper JS
- Ransom DT; Cameron FG: scleroderma—a possible contra-indication to lumpectomy and radiotherapy in breast carcinoma, *Australas Radiol* 1987; 31: 317
- Rao BK See Shore RM
- Rao BK; Brodell GK; Haaga JR; et al: visceral CT findings associated with Thorotrast, *JCAT* 1986; 10: 57
- Rao CR See Lipinski JK
- Rao DV; Sastry KSR; Grimmond HE; et al: cytotoxicity of some indium radiopharmaceuticals in mouse testes, *J Nucl Med* 1988; 29: 375
- Rao GR See Kart BH
- Rao KCVG See Templeton PA
- Rao KM See Shatapaty P
- Rao KR; Fritz-Niggel H: alterations in the length of jejunal villi in mice irradiated with graded doses of x rays, *Br J Radiol* 1988; 61: 839
- Rao RCK; Kumar A; Berry M: pseudoaneurysm of anomalous right hepatic artery as a cause for hemocystic pancreatitis, *Gastrointest Radiol* 1987; 12: 313
- Rao RK See Sridhar KS
- Rao S; Solomon N; Miller S; et al: scintigraphic differentiation of bone infarction from osteomyelitis in children with sickle cell disease, (ab), *Radiology* 1986; 159: 576
- Rao SA; Knobel J; Collier BD; et al: effect of Sn(II) ion concentration and heparin on technetium-99m red blood cell labeling, *J Nucl Med* 1986; 27: 1202
- Rao VM See Guglielmo FF
- Rao VM See Mitchell DG
- Rao VM See Nino-Murcia M
- Rao VM See Shlansky-Goldberg RD
- Rao VM See Som PM
- Rao VM; Dalinka MK; Mitchell DG; Spritzer CE; Kaplan F; August CS; Axel L; Kressel HY: osteopetrosis: MR characteristics at 1.5 T, *Radiology* 1986; 161: 217
- Rao VM; Fishman M; Mitchell DG; Steiner RM; Ballas SK; Axel L; Dalinka MK; Gefter WB; Kressel HY: painful sickle cell crisis: bone marrow patterns observed with MR imaging, *Radiology* 1986; 161: 211
- Rao VM; Mapp EM; Wechsler RJ: radiology of the gastrointestinal tract in sickle cell anemia, *Semin Roentgenol* 1987; 22: 195
- Rao VM; Melnick H; Wechsler RJ; et al: Teflon paste implant in unilateral vocal cord paralysis: CT characteristics, *JCAT* 1987; 11: 624
- Rao VM; Wechsler RJ; Carter BL; et al: computed tomography of choanal atresia: special considerations of the unilateral type, *CT* 1986; 10: 381
- Rao VRK; Mandalam R; Seouiera R; et al: C. T. metrizamide myelography in syringohydromyelia, *J Neuroradiol* 1987; 14: 82
- Raoul J-L See Bretagne J-F
- Raoul J-L; Bourguet P; Bretagne J-F; Duvauferrier R; Coornaert S; Darnault P; Ramée A; Herry J-Y; Gastard J: hepatic artery injection of I-131-labeled lipiodol. part I. biodistribution study results in patients with hepatocellular carcinoma and liver metastases, *Radiology* 1988; 168: 541
- Rapaccini GL; Allotta A; Pompili M; et al: gastric wall thickness in normal and neoplastic subjects: a prospective study performed by abdominal ultrasound, *Gastrointest Radiol* 1988; 13: 197
- Rapf C See Eggen G
- Raphael DT; Conard FU III: ultrasound confirmation of endotracheal tube placement, *ICU* 1987; 15: 459
- Rapola J See Lamminen A
- Rapoport GM; Swayne LC: serendipitous detection of lung cancer on hepatic imaging, *Clin Nucl Med* 1987; 12: 638
- Rapoport S See Blair DN
- Rapoport S See Kier R
- Rapoport S See Sostman HD
- Rapoport S; Blair DN; McCarthy SM; Dessler TS; Hammers LW; Sostman HD: brachial plexus: correlation of MR imaging with CT and pathologic findings, *Radiology* 1988; 167: 161
- Rapoport S; Sostman HD; Pope C; Computaro CM; Holcomb W; Gore JC: venous clots: evaluation with MR imaging, *Radiology* 1987; 162: 527
- Rapoport SI See Horwitz B
- Rappaport DC: diagnostic imaging of the chest, *Radiology* 1988; 166: 724
- Rappaport DC: magnetic resonance imaging of the body. advanced exercises in diagnostic radiology, *Radiology* 1988; 167: 150
- Rappaport ZH See Zagzag D
- Rappe A See Strother CM
- Rappoport AS See Applbaum YN
- Raptopoulos V See Reuter KL
- Raptopoulos V See Scatamacchia SA
- Raptopoulos V See Worthington-Kirsch RL
- Raptopoulos V; Compton CC; Doherty P; et al: chronic acalculous gallbladder disease: multimaging evaluation with clinical-pathologic correlation, *AJR* 1986; 147: 721
- Raptopoulos V; Cummings T; Smith EH: computed tomography of life-threatening complications of abdominal aortic aneurysm: disrupted aortic wall, *Invest Radiol* 1987; 22: 372
- Raptopoulos V; Davidoff A; Karellas A; et al: CT of the pancreas with a fat-density oral contrast regimen, *AJR* 1988; 150: 1303
- Raptopoulos V; Davis MA; Davidoff A; Karellas A; Hays D; D'Orsi CJ; Smith EH: fat-density oral contrast agent for abdominal CT, *Radiology* 1987; 164: 653
- Raptopoulos V; Davis MA; Smith EH: imaging of the bowel wall: computed tomography and fat density oral-contrast agent in an animal model, *Invest Radiol* 1986; 21: 847
- Raptopoulos V; Goldberg RJ; Smith EH; Ellison RC: clinicians' appraisal of sonography, *Radiology* 1987; 165: 237
- Raptopoulos V; Kleinman PK; Marks S Jr; Snyder M; Silverman PM: renal fascial pathway: posterior extension of pancreatic effusions within the anterior pararenal space, *Radiology* 1986; 158: 367
- Raptopoulos V; Smith EH; Cummings T; et al: bile-duct dilatation after laparotomy: potential effect of intestinal hypomotility, *AJR* 1986; 147: 729
- Raptopoulos V; Smith EH; Karellas A; et al: daytime constancy of bile duct diameter, *AJR* 1987; 148: 557
- Rascoe RR See Coscina WF
- Rasey JS; Hoffman JM; Spence AM; et al: hypoxia mediated binding of misonidazole in non-malignant tissue, *Int J Radiat Oncol Biol Phys* 1986; 12: 1255
- Rasey JS; Krohn KA; Menard TW; et al: comparative biodistribution and radioprotection studies with three radioprotective drugs in mouse tumors, *Int J Radiat Oncol Biol Phys* 1986; 12: 1487
- Rashleigh-Belcher HJC; Russell RCG; Lees WR: cutaneous seeding of pancreatic carcinoma by fine-needle aspiration biopsy, *Br J Radiol* 1986; 59: 182
- Rasinska G; Wermenski K; Rajszys P: percutaneous transpleural embolization of esophageal varices in a 5-year-old child, *Acta Radiol* 1987; 28: 299
- Raskin K See Destian S
- Raskob GE See Hull RD
- Rasmussen T; Björk GR; Damber L; et al: tumor markers in mammary carcinoma: an evaluation of carcinoembryonic antigen, placental alkaline phosphatase, pseudouridine and CA-50, *Acta Oncol* 1987; 26: 261
- Rasmussen F See Nielsen DT
- Rasmussen F See Poulsen J
- Rasmussen F; Justesen P; Nielsen DT: therapeutic value of hysterectomizing with Lipiodol ultra fluid, *Acta Radiol* 1987; 28: 319
- Rasmussen F; Larsen C; Justesen P: fallopian tube patency demonstrated at ultrasonography, *Acta Radiol* 1986; 27: 61
- Rasmussen F; Schantz K: radiologic aspects of lunatomalacia, *Eur J Radiol* 1987; 7: 199
- Rasmussen JE See Ho A
- Rasmussen JN See Nielsen ST
- Rasmussen JW See Schmidt KG
- Rasmussen K See Thomsen HS
- Rasmussen SL; Hwang WS; Harder J; et al: intrapericardial teratoma: ultrasonic and pathological features, *J Ultrasound Med* 1987; 6: 159
- Rasmussen SN See Krarup-Hansen A
- Rasmussen TM See Nordstrom LA
- Rasooly R; Gomori JM; Ben Ezra D: arterial tortuosity and dilatation in Larsen syndrome, *Neuroradiol* 1988; 30: 258
- Rasouli F See Mafie MF
- Rast ML See Saul SH
- Rasuli P: blood clot formation in angiographic syringes containing nonionic contrast media, *Radiology* 1987; 165: 582
- Ratan J See Lelcuk S
- Ratcheson RA See Masaryk TJ
- Ratcliff S See Krebs CA
- Ratcliffe GE; Cooke S; Fogelman I; et al: radiolabelled treatment of solitary functioning thyroid nodules, *Br J Radiol* 1986; 59: 385
- Ratcliffe JF: use of low osmolality water soluble (LOWS) contrast media in the pediatric gastrointestinal tract: report of 115 examinations, *Pediatr Radiol* 1986; 16: 47
- Rathore A See Barash E
- Ratib OM; Mankovich NJ: quantitative coronary arteriography: design and validation, *Radiology* 1988; 167: 743
- Ratkovic S; Sinadinovic J: potential application of NMR in the investigation of the thyroid gland under different physiological conditions, *Magn Res Imag* 1986; 4: 509
- Ratliff AHC See Buirski G
- Ratner AV; Hurd R; Muller HH; et al: ¹²⁵I magnetic resonance imaging of the reticuloendothelial system, *Magn Res Med* 1987; 5: 548
- Ratner AV; Muller HH; Bradley-Simpson B; et al: detection of acute radiation damage to the spleen in mice by using fluorine-19 MR imaging, *AJR* 1988; 151: 477
- Ratner AV; Muller HH; Bradley-Simpson B; et al: detection of tumors with ¹²⁵I magnetic resonance imaging, *Invest Radiol* 1988; 23: 361
- Rattner Z See Keller MS
- Ratto D See Craig DA
- Ratto D See Deseran MW
- Ratzka M See Kappos I
- Rauch RF II See Fein AB
- Rauf GC See Nishiyama H
- Rauff A See Ngol SS
- Rauschnig W See Monajati A
- Rauschnig W See Pech P
- Raustia AM; Pyhtinen J: computed tomography of the masticatory system—a review, *Comput Med Imag Graph* 1988; 12: 97
- Raute-Kreinsen U See Hoevels J
- Rauth AM See Panicucci R
- Rauth AM See Weinberg MJ
- Raval B See Hall JT
- Raval B See Jaramillo D
- Raval B See Lamki N
- Raval B See Mirich D
- Raval B; Allan N; St. Ville E: use of computed tomography in appendicitis: technique, findings, and pitfalls, *CT* 1987; 11: 17
- Raval B; Kulkarni M; Narayana P; et al: fast magnetic resonance in vascular diseases of the abdomen, *Magn Res Imag* 1988; 6: 473
- Raval B; Lamki N; St. Ville E: role of computed tomography in diverticulitis, *CT* 1987; 11: 144
- Raval BK See Balsara VJ
- Raval JK See Colletti PM
- Raval JK See Ralls PW
- Raval JK See Remedios P
- Ravasz LA See Wiggensraad R
- Ravelli A See Martini A
- Ravenel D See Stanley JH
- Raventos A; DeNardo SJ; DeNardo G: prospects for radiolabeled monoclonal antibodies in metastatic disease, *J Thorac Imag* 1987; 2: 44
- Ravin CE See Baum S
- Ravin CE See Gorbach MS
- Ravin CE See Sherriff RH
- Ravin CE See Steiner RM
- Ravin CE: case for a clinical year prior to radiology residency, *Invest Radiol* 1986; 21: 287
- Ravin CE: pulmonary vascularity: radiographic considerations, *J Thorac Imag* 1988; 3-1: 1
- Ravinovici R; Rivkind A; Lebensart PD; et al: ultrasonographic diagnosis of vesical leakage in a renal transplant recipient, *Urol Radiol* 1986; 8: 112
- Rawal U See Rochester D
- Rawas MM; Yee ACN; Ho CS: choledochocolonic fistula—rare complication of cholangiocarcinoma, *J Canad Assoc Radiol* 1987; 38: 139
- Rawd-Aree P See Singharoen T
- Rawlinson J; Hyde I; Williams J: quality of urograms in infants: a comparison of sodium diatrizoate, metrizamide and iohexol, *Br J Radiol* 1988; 61: 592
- Rawluk D; Smith FW; Deans HE; et al: technetium 99m HMPAO scanning in patients with subarachnoid haemorrhage: a preliminary study, *Br J Radiol* 1988; 61: 26
- Ray CG III See Rhee RS
- Ray CS See Aberle DR
- Ray CS See Lynch DA
- Ray FS See Elmore JR
- Ray MJ See Radin DR

- Raymakers JA; Hoekstra O; van Putten J; et al: fracture prevalence and bone mineral mass in osteoporosis measured with computed tomography and dual energy photon absorptiometry. *Skeletal Radiol* 1986; 15: 191
- Raymond AK See Edeiken J
- Raymond AK See Lindell MM Jr
- Raymond AK; Murphy GF; Rosenthal DI: case report 425. *Skeletal Radiol* 1987; 16: 336
- Raymond F See Rosenthal L
- Raymond J See Theron J
- Raymond J; Theron J: intracavernous aneurysms: treatment by proximal balloon occlusion of the internal carotid artery. *AJNR* 1986; 7: 1087
- Raymond JR; van den Berg EK Jr; Knapp MJ: nontraumatic prehospital sudden death in young adults. (ab). *Radiology* 1988; 168: 592
- Raymond-U See Vergara JA
- Raynaud A See Pernes JM
- Raynaud A; Bedrosian J; Remy P; et al: percutaneous transluminal angioplasty of renal transplant arterial stenoses. *AJR* 1986; 146: 853
- Rayport M See Savolaine ER
- Razavi F See Gaston A
- Razavi-Encha F See Djindjian M
- Razquin S See Nistal M
- Read AE See Qamar MI
- Read G See Bradley N
- Read G See Pionton RS
- Read J See Burnett KR
- Read PE; Ash DV; Thorogood J; et al: short term morbidity and cosmesis following lumpectomy and radical radiotherapy for operable breast cancer. *Clin Radiol* 1987; 38: 371
- Read RC See Williamson MR
- Reading CC See Edmondson GR
- Reading CC See Galiber AK
- Reading CC See Gorman B
- Reading CC See Sutton RT
- Reading CC; Charboneau JW; Felmlee JF; James EM: US-guided percutaneous biopsy: use of a screw biopsy stylet to aid needle detection. *Radiology* 1987; 163: 280
- Reading CC; Charboneau JW; James EM; et al: sonographically guided percutaneous biopsy of small (3 cm or less) masses. *AJR* 1988; 151: 189
- Reagan K; Bettmann MA; Finkelstein J; Ganz P; Grassl CJ: double-blind study of a new nonionic contrast agent for cardiac angiography. *Radiology* 1988; 167: 409
- Reardon GE See Vento JA
- Reasbeck J; Wynn-Williams G; Gillett W: tubal intramural polyps: incidence and radiographic demonstration. *Australas Radiol* 1988; 32: 117
- Reavis J See Schewe KL
- Reba RC See Kotlyarov EV
- Rebaudi F See Derchi LE
- Rebibo G See Laisy JP
- Rebner M See Adler DD
- Rebner M See Spitznagel DL
- Rebner M; Gross BH; Robertson JM; et al: CT evaluation of mediastinal masses. *Comput Radiol* 1987; 11: 103
- Rebner M; Pennes DR; Baker DE; et al: two-view specimen radiography in surgical biopsy of nonpalpable breast masses. *AJR* 1987; 149: 283
- Recant W See Schneider AB
- Recht A See Stomper CB
- Recht A; Connolly JR; Schnitt SJ; et al: effect of young age on tumor recurrence in the treated breast after conservative surgery and radiotherapy. *Int J Radiat Oncol Biol Phys* 1988; 14: 3
- Recht A; Siddons RL; Kaplan WD; et al: three-dimensional internal mammary lymphoscintigraphy: implications for radiation therapy treatment planning for breast carcinoma. *Int J Radiat Oncol Biol Phys* 1988; 14: 477
- Recht A; Silen W; Schnitt SJ; et al: time-course of local recurrence following conservative surgery and radiotherapy for early stage breast cancer. *Int J Radiat Oncol Biol Phys* 1988; 15: 255
- Recht L; Straus DJ; Cirincione C; et al: central nervous system metastases from non-Hodgkin's lymphoma: treatment and prophylaxis. (ab). *Radiology* 1988; 168: 295
- Recht MP; Levine MS; Katzka DA; et al: Barrett's esophagus in scleroderma: increased prevalence and radiographic findings. *Gastrointest Radiol* 1988; 13: 1
- Rechtine GR See Reynolds H
- Reckler JM See Auh YH
- Record GT See Savrin RA
- Rector WG Jr; Campa J; Ralls FW; et al: utility and limitations of splanchnic venous ultrasonography in diagnosis of portal hypertension. *JCU* 1986; 14: 689
- Reda EF; Lebowitz RL: traumatic uterovaginal disruption in the child. *Pediatr Radiol* 1986; 16: 164
- Reda J See Vyborny CJ
- Redd RA See Grabowski WS
- Reddin A; Rosenbaum RC: false positive Meckel's scan caused by carcinoid tumors of the small bowel. *Clin Nucl Med* 1987; 12: 128
- Reddy DG See Mallikarjuniah GS
- Reddy EK See Jewell WR
- Reddy EK; Robinson RG; Mansfield CM: strontium 89 for palliation of bone metastases. (ab). *Radiology* 1986; 160: 285
- Reddy JK See Weese-Mayer DE
- Reddy KG See Padhy AK
- Reddy KR See Gordon SC
- Reddy KR See Russell E
- Reddy KR See Serafini AN
- Reddy PK See Castaneda F
- Reddy PK See Hulbert JC
- Reddy PK See Mercado S
- Reddy PK; Hulbert JC; Lange PH; et al: percutaneous removal of renal and ureteral calculi: experience with 400 cases. (ab). *Radiology* 1986; 158: 859
- Reddy RG See Meher C
- Reddy RV See Burt RW
- Reddy S See Pincus M
- Reddy S; Sutton GP; Stehman FB; Hornback NB; Ehrlich CE: ovarian carcinoma: adjuvant treatment with P-32. *Radiology* 1987; 165: 275
- Reddy SC See Kart BH
- Redha FH See Zollikofer CL
- Redline RW See Penso C
- Redlund-Johnell I See Ekberg O
- Redlund-Johnell I: costoclavicular joint. *Skeletal Radiol* 1986; 15: 25
- Redman HC See Cohen JM
- Redman HC See Rollins NK
- Redman HC: art and some practical aspects of abstract writing. *Radiology* 1986; 158: 270
- Redman HC: deep venous thrombosis: is contrast venography still the diagnostic "gold standard"? *Radiology* 1988; 168: 277
- Redman HC: has the time come for outpatient peripheral angioplasty? *AJR* 1987; 148: 1241
- Redmond C: skeletal radiology. *Radiology* 1986; 160: 452
- Redmond J III See Colman LK
- Redmond PL; Kadir S; Kaufman SL; White RJ Jr; Cameron JL: mesoatrial shunts for Budd-Chiari syndrome and inferior vena cava thrombosis: angiographic and hemodynamic evaluations. *Radiology* 1987; 163: 131
- Redmond PL; Kump DA: fentanyl and diazepam for analgesia and sedation during radiologic special procedures. *Radiology* 1987; 164: 284
- Redmond PL; Price GJ; Nolan DJ: abdominal aortic aneurysm causing duodenal obstruction. *Clin Radiol* 1987; 38: 513
- Redpath TW See Deans HE
- Redpath TW; Jones RA: FADE—a new fast imaging sequence. *Magn Res Med* 1988; 6: 224
- Redpath TW; Smith FW; Hutchison JMS: magnetic resonance image synthesis from an interleaved saturation recovery/inversion recovery sequence. *Br J Radiol* 1988; 61: 619
- Reece EA See Yarkoni S
- Reed BR See Jagust WJ
- Reed D; Nichols DM: computed tomography of "iliac horns" in hereditary osteochondrodysplasia (nail-patella syndrome). *Pediatr Radiol* 1987; 17: 168
- Reed D; Robertson WD; Graeb DA; et al: acute subdural hematomas: atypical CT findings. *AJNR* 1986; 7: 417
- Reed D; Robertson WD; Rootman J; et al: plexiform neurofibromatosis of the orbit: CT evaluation. *AJNR* 1986; 7: 259
- Reed DH; Britton PD: erectile dysfunction secondary to penile trauma: the value of cavernosography. *Br J Radiol* 1988; 61: 693
- Reed DH; Morgan S: case of the month: changing mediastinum. *Br J Radiol* 1988; 61: 695
- Reed DJ: defense mechanisms of normal and tumor cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1457
- Reed HT See Nelson AW
- Reed JD Jr; Soulen RL: cardiovascular MRI: current role in patient management. *Radiol Clin North Am* 1988; 26: 589
- Reed KD See Sullivan WT
- Reed LD; Abbas S; Markovic CR; et al: neurosarcooidosis responding to steroids. *AJR* 1986; 146: 819
- Reed M See Yakes WF
- Reed MH See Mooney WR
- Reed MH See Rogalsky RJ
- Reed MH: growth disturbances in the hands following thermal injuries in children. 2. frostbite. *J Canad Assoc Radiol* 1988; 39: 95
- Reed MH: radiologic features of Dévé's accessory lobe. *J Canad Assoc Radiol* 1988; 39: 13
- Reed NS See Pai GR
- Reed WP; Garb JL; Park WC; et al: long-term results and complications of preoperative radiation in the treatment of rectal cancer. (ab). *Radiology* 1988; 169: 881
- Reed WP; Haney PJ; Elias EG; et al: ethiodized oil emulsion enhanced computerized tomography in the preoperative assessment of metastases to the liver from the colon and rectum. (ab). *Radiology* 1986; 160: 572
- Reede DL See Cohen JP
- Reede DL See Raghavendra BN
- Reede DL See Som PM
- Reede DL; Bergeron RT: CT evaluation of the normal and diseased neck. *Semin US CT MR* 1986; 7: 181
- Reeders JWAJ; Tytgat GNJ: ischemic colitis: serial changes in double-contrast barium enema examination. *Radiology* 1987; 162: 583
- Reekers F See Wouters JMW
- Rees CR See Becker GJ
- Rees CR See duCret RP
- Rees CR See Palmaz JC
- Rees CR; Merchun G; Becker GJ; Klatte EC; Mail JT; Mulry C: in vitro study of high-pressure catheters and various contrast agents. *Radiology* 1988; 166: 53
- Rees CR; Palmaz JC; Alvarado R; Tyrrel R; Chiaravino V; Register T: DSA in acute gastrointestinal hemorrhage: clinical and in vitro studies. *Radiology* 1988; 169: 499
- Rees CR; Palmaz JC; Garcia O; et al: hemodynamic effects of the administration of ionic and nonionic contrast materials into the pulmonary arteries of a canine model of acute pulmonary hypertension. *Invest Radiol* 1988; 23: 184
- Rees CR; Siddiqui AR; duCret RP: role of bone scintigraphy in osteogenic sarcoma. *Skeletal Radiol* 1986; 15: 365
- Rees GJG See Newman GH
- Rees MR See Bishop N
- Rees MR See MacMillan RM
- Rees MR; Feiring AJ; Rumberger JA; MacMillan RM; Clark DL: heart evaluation by cine CT: use of two new oblique views. *Radiology* 1986; 159: 805
- Rees MR; MacMillan RM; Fender B; et al: cine-CT technique for evaluation of left ventricular function during supine exercise. *AJR* 1986; 147: 916
- Rees MR; MacMillan RM; Fender B; et al: demonstration of mitral and aortic valves by ultrafast computed tomography. *CT* 1987; 11: 190
- Rees MR; MacMillan RM; Flicker S; et al: rapid-acquisition computed tomography demonstration of chronic calcified pericardial constriction. *CT* 1986; 10: 183
- Reese DF See Jack CR Jr
- Reese DF See Larson TC III
- Reeve CE See Buckley AR
- Reeves RC See Evanschko WT
- Reeves CR See Shin MS
- Reeves WC See Christensen CW
- Regadera J See Nistal M
- Regelmann WE See Sirr SA
- Regenbogen VS; Rogers LF; Atlas SW; et al: cervical spinal cord injuries in patients with cervical spondylosis. *AJR* 1986; 146: 277
- Regenbogen VS; Zinreich SJ; Kim KS; et al: hyperostotic osteoneuroblastoma: CT and MR findings. *JCAT* 1988; 12: 52
- Regent D See Claudon M
- Reger KM See Yang PJ
- Regev R See De Vries LS
- Reggiani L See Derchi LE
- Reginaite A; Seane JLF; Alvarez CB; et al: arthropathy and cutaneous calcinosis in hemodialysis oxalosis. (ab). *Radiology* 1987; 163: 590
- Register T See Rees CR
- Regli F See Bogouslavsky J
- Reglinski J; Smith WE; Sturrock RD: spin-echo ¹H NMR detected response of ergothioneine to oxidative stress in the intact human erythrocyte. *Magn Res Med* 1988; 6: 217
- Rehder JG See Goodgold HM
- Rehling M; Lund JO; Möller ML; et al: acute unilateral obstruction of ureter: disparity in divided renal function calculated from ²⁰¹Tl-hippuran and ^{99m}Tc-DTPA renography. (ab). *Radiology* 1988; 168: 293
- Rehn S See Nyman R
- Rehr RB See Tatum JL
- Rehr RB; Tatum JL; Hirsch JL; Wetstein L; Clarke G: effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy. *Radiology* 1988; 168: 81
- Reich E See Hammermaier A
- Reichle N See Schiebler M
- Reichenberger H See Willbert DM
- Reicher M See Lufkin RB
- Reicher M See Moffit B
- Reicher MA See Camras LR
- Reicher MA See Halbach VV
- Reicher MA See Hartzman S
- Reicher MA See Hieshima GB
- Reicher MA See Onik G
- Reicher MA See Teresi LM
- Reicher MA; Benton JR; Halbach VV; et al: pneumosinus dilatans of the sphenoid sinus. *AJNR* 1986; 7: 865

Reicher

- Reicher MA; Gold RH; Halbach VV; et al: MR imaging of the lumbar spine: anatomic correlations and the effects of technical variations. *AJR* 1986; 147: 891
- Reicher MA; Halbach VV; Bentson JR; et al: push-up view: superior cross-table lateral projection for cervical myelography. *AJNR* 1986; 7: 899
- Reicher MA; Hartzman S; Bassett LW; Mandelbaum B; Duckwiler GR; Gold RH: MR imaging of the knee. part I. traumatic disorders. *Radiology* 1987; 162: 547
- Reicher MA; Hartzman S; Duckwiler GR; Bassett LW; Anderson LJ; Gold RH: meniscal injuries: detection using MR imaging. *Radiology* 1986; 159: 753
- Reicher MA; Lufkin RB; Smith S; et al: multiple-angle, variable-interval, nonorthogonal MRI. *AJR* 1986; 147: 363
- Reichman LB See Bisburg E
- Reichmister JP See Greyson-Fleg RT
- Reid BS; Bender TM: radiographic evaluation of children with urinary tract infections. *Radiol Clin North Am* 1988; 26: 393
- Reid CS See Wang H
- Reid J See Feigen M
- Reid RE See Laor E
- Reid RH See Papoff W
- Reid RL See Nguyen KT
- Reid SH See Ingram TL
- Reid SH; Cho S-R; Shaw C-I; et al: anomalous hepatic duct inserting into the cystic duct. *AJR* 1986; 147: 1181
- Reid WA See Fowler RC
- Reid WD See Kintanar C
- Reider F See Doehring E
- Reider I See Inzelberg R
- Reider-Groswasser I See Catz A
- Reider-Groswasser I; Catz A; Luz I: computerized tomography findings in posterior fossa lesions. *Comput Radiol* 1986; 10: 311
- Reider-Groswasser I; Kott E; Benmair J; et al: MRI parameters in multiple sclerosis patients. *Neuroradiol* 1988; 30: 219
- Reider-Groswasser I; Solomon A; Zikk D; et al: computerized tomography in conditions concomitantly involving the orbits and the paranasal sinuses. *Comput Radiol* 1986; 10: 119
- Reidinger AA; et al: See Bahn DK
- Reidy JF See Gaines FA
- Reidy JF See Gendroy WMW
- Reidy JF See Ward AS
- Reif LJ See Alpern MB
- Reifler BV See Larson EB
- Reifsteck JE See Hassell DR
- Reifsteck JE See Liu G-C
- Reifsteck JE; Holder JC; Liu GC; et al: loin pain hematuria syndrome. *Urol Radiol* 1987; 9: 155
- Reilly BJ See Abramson SJ
- Reilly MK See Becker GJ
- Reilly MK See Wenker JC
- Reisman LL: central nervous system (CNS) manifestations of AIDS. *Semin Roentgenol* 1987; 22: 4
- Reiman TAH; Siegel MJ; Shackelford GD: Wilms tumor in children: abdominal CT and US evaluation. *Radiology* 1986; 160: 501
- Reiman TH See Balfe DM
- Reiman TH; Balfe DM; Weyman PJ: suprapancreatic biliary obstruction: CT evaluation. *Radiology* 1987; 163: 49
- Reiman TH; Heiken JP; Totty WG; Lee JKT: clinical MR imaging with a Helmholtz-type surface coil. *Radiology* 1988; 169: 564
- Reimann DA See Windham JP
- Reimer KA See Leung CY
- Reimers MM See Castro JR
- Reinartz SJ; Coffman CE; Smoker WRK; et al: MR imaging of the corpus callosum: normal and pathologic findings and correlation with. *AJNR* 1988; 9: 649
- Reinbold W-D; Genant HK; Reiser UJ; Harris ST; Ettinger B: bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: comparison of measurement methods. *Radiology* 1986; 160: 469
- Reinbold W-D; Wimmer B; Adler CP; et al: radiologic findings in peripheral neurilemmoma. *Eur J Radiol* 1987; 7: 268
- Reiner B See Dunne MG
- Reiners C See Becker W
- Reinert S See Berger E
- Reinertson JS See Peters JC
- Reinfeld HB; Agatston AS; Robinson MJ; et al: bioprosthetic mitral valve dysfunction following blunt chest trauma. (ab). *Radiology* 1987; 162: 294
- Reinhardt ER See Mueller E
- Reinhold C See Bret PM
- Reinhold C See Hricak H
- Reinhold CE See Engelstad BL
- Reinhold CE See Terrier F
- Reinhold HS See Calvo W
- Reinig JW See Dwyer AJ
- Reinig JW See Fang MA
- Reinig JW See Hill SC
- Reinig JW See Miller DL
- Reinig JW; Doppman JL; Dwyer AJ; et al: MRI of indeterminate adrenal masses. *AJR* 1986; 147: 493
- Reinig JW; Doppman JL; Dwyer AJ; Johnson AR; Knop RH: adrenal masses differentiated by MR. *Radiology* 1986; 158: 81
- Reinig JW; Dwyer AJ; Miller DL; Frank JA; Doppman JL: MR detection of liver metastases. *Radiology* 1987; 163: 582
- Reinig JW; Dwyer AJ; Miller DL; White M; Frank JA; Sugarbaker TH; Chang AE; Doppman JL: liver metastasis detection: comparative sensitivities of MR imaging and CT scanning. *Radiology* 1987; 162: 43
- Reinig JW; Hill SC; Fang M; Marini J; Zaslloff MA: fibrodysplasia ossificans progressiva: CT appearance. *Radiology* 1986; 159: 153
- Reinke DB See Stavas JM
- Reinus WR See Goodstitt MM
- Reinus WR See Hardy CT
- Reinus WR See Middleton WD
- Reinus WR; Conway WF; Totty WG; Gilula LA; Murphy WA; Siegel BA; Weeks PM; Young VL; Manske PR: carpal avascular necrosis: MR imaging. *Radiology* 1986; 160: 689
- Reinus WR; Hardy CT: in vivo analysis of single, pre- and postprocessing quantitative CT techniques. *Invest Radiol* 1988; 23: 42
- Reinus WR; Nadel S: improved accuracy of single-energy computed tomography bone mineral determination using threshold analysis. *Invest Radiol* 1987; 22: 484
- Reinus WR; Totty WG: computer-assisted scheduling of radiologists. *AJR* 1986; 147: 203
- Reinisch JS See Carrarino G
- Reiser M See Anacker H
- Reiser M See Bohndorf K
- Reiser M See Fakhrj J
- Reiser M See Heuck A
- Reiser M See Lehner K
- Reiser M; Rupp N; Biehl T; et al: MR in the diagnosis of bone tumors. (ab). *Radiology* 1986; 158: 569
- Reiser UJ See Glüer C-C
- Reiser UJ See Reinhold W-D
- Reisin R; Ethier R; de la Sayette V; et al: metrizamide compared with iohexol for cervical myelography: a double-blind study. *J Canad Assoc Radiol* 1988; 39: 107
- Reisinger S See Dershaw DD
- Reiskin AB See Kaplan FA
- Reisman S; Maddahi J; Van Train K; et al: quantitation of extent, depth, and severity of planar thallium defects in patients undergoing exercise thallium-201 scintigraphy. *J Nucl Med* 1986; 27: 1273
- Reisner T See Brainerd M
- Reiss C See Kandarpa K
- Reiss H: role of spongiosography in study of penile veins. (ab). *Radiology* 1987; 164: 589
- Reiss R See Neuman A
- Reisz GR; Gammon RS: toxic pneumonitis from mixing household cleaners. (ab). *Radiology* 1986; 160: 572
- Reitelman C See Sawczuk IS
- Reiter AA; Huhta JC; Carpenter RJ Jr; et al: prenatal diagnosis of arteriovenous malformation of the vein of Galen. *JCU* 1986; 14: 623
- Reiter J See Hoevels J
- Reitz MD; Vasinraep P: anomalous insertion of the right hepatic duct into the cystic duct demonstrated by hepatobiliary imaging. *Clin Nucl Med* 1988; 13: 61
- Reitz MD; Vasinraep P; Mishkin FS: myocardial, pulmonary, and gastric uptake of technetium-99m MDP in a patient with multiple myeloma and hypercalcemia. *Clin Nucl Med* 1986; 11: 730
- Reizine D See Fernand M
- Reizine D See Gelbert F
- Reizine D See Laredo J-D
- Reizine D See Melki JP
- Reizine D; Laouiti M; Guimaraens L; et al: vertebral arteriovenous fistulas: clinical presentation, angiographic appearance and endovascular treatment. a review of twenty-five cases. (ab). *Radiology* 1986; 159: 574
- Rekate HL See Bird CR
- Relyea-Chew A See Chew FS
- Remagen W; Nidecker A; Dolanc B: case report 368. *Skeletal Radiol* 1986; 15: 330
- Remagen W; Nidecker A; Prein J: case report 359. *Skeletal Radiol* 1986; 15: 251
- Remark RR; Berquist TH; Lieber MM; et al: magnetic resonance imaging of renal oncocytoma. (ab). *Radiology* 1988; 168: 885
- Remedios FA; Colletti PM; Ralls PW: hepatic amebic abscess: cholecystographic rim enhancement. *Radiology* 1986; 160: 395
- Remedios FA; Colletti PM; Raval JK; et al: magnetic resonance imaging of bone after radiation. *Magn Res Imag* 1988; 6: 301
- Remler MP; Marcusen WH; Tiller-Borsich J: late effects of radiation on the blood brain barrier. *Int J Radiat Oncol Biol Phys* 1986; 12: 1965
- Remley K See Manaster BJ
- Remley K See Thorne DA
- Remley K; Harnsberger R; Smoker WRK; et al: CT and MRI in the evaluation of glossopharyngeal, vagal, and spinal accessory neuropathy. *Semin US CT MR* 1987; 8: 284
- Remley KB; Cubberley DA; Watanabe AS; et al: systemic absorption of gallbladder sclerosing agents in the rabbit: preliminary study. *Invest Radiol* 1986; 21: 396
- Remond A See Brailion A
- Remon A: vaginal sonography in ectopic pregnancy: a prospective evaluation. *J Ultrasound Med* 1988; 7: 381
- Rempen A; Feige A; Wunsch F: prenatal diagnosis of bilateral cystic adenomatoid malformation of the lung. *JCU* 1987; 15: 3
- Remy J See Jardin M
- Remy P See Raynaud A
- Renak I; Pison C; Drouin G: demonstration of renal varices using technetium-99m red blood cells in the investigation of recurrent macroscopic hematuria. *Clin Nucl Med* 1987; 12: 861
- Reneman RS; van Merode T; Hick P; et al: age-related changes in carotid artery wall properties in men. *Ultrasound Med Biol* 1986; 12: 465
- Reneman RS; van Merode T; Hick P; et al: cardiovascular applications of multi-gate pulsed Doppler systems. *Ultrasound Med Biol* 1986; 12: 357
- Renfrew DL; Smith WL; Pringle KC: per anal balloon dilatation of a post-necrotizing enterocolitis stricture of the sigmoid colon. *Pediatr Radiol* 1986; 16: 320
- Renicker J See James R
- Renigers SA See Wilbur AC
- Renard SI See Gurney JW
- Renner JB See Parker LA
- Renner JW See Applbaum YN
- Renner JW See Dieden JD
- Renner WD; Pugh NO; Ross DB; et al: algorithm for planning stereotactic brain implants. *Int J Radiat Oncol Biol Phys* 1987; 13: 631
- Renshaw PF See Schnall MD
- Renshaw PF; Haselgrove JC; Bolinger L; et al: relaxation and imaging of lithium in vivo. *Magn Res Imag* 1986; 4: 193
- Renshaw PF; Owen CS; Evans AE; et al: immunospecific NMR contrast agents. *Magn Res Imag* 1986; 4: 351
- Renshaw PF; Owen CS; McLaughlin AC; et al: ferromagnetic contrast agents: new approach. *Magn Res Med* 1986; 3: 217
- Renshaw PF; Schnall MD; Leigh JS Jr: in vivo ³¹P NMR spectroscopy of agonist-stimulated phosphatidylinositol metabolism in cat brain. *Magn Res Med* 1987; 4: 221
- Renzi P See Spizarny DL
- Renzi SA; Convery FR; Ashburn W; et al: intraoperative osteoscopy as an aid to bone biopsy. *Clin Nucl Med* 1986; 11: 619
- Reo NV See Shalwitz RA
- Requardt H See Huber DJ
- Requardt H; Offermann J; Kess H; Krause N; Weber H: surface coil with variable geometry: a new tool for MR imaging of the spine. *Radiology* 1987; 165: 574
- Res JC See van der Wall EE
- Resch H See Furtscberger A
- Resch H; Helweg G; zur Nedden D; et al: double-contrast computed tomographic examination techniques in habitual and recurrent shoulder dislocation. *Eur J Radiol* 1988; 8: 6
- Resneck RH See Brooks AP
- Resnick D See Bhasin S
- Resnick D See Bielecki DK
- Resnick D See Björkengren AG
- Resnick D See Goobar JE
- Resnick D See Hajek PC
- Resnick D See Haller J
- Resnick D See Hayward I
- Resnick D See Kaplan PA
- Resnick D See Kerr R
- Resnick D See Kursunoglu S
- Resnick D See Lambiase R
- Resnick D See Mitchell MJ
- Resnick D See Pate D
- Resnick D See Pathria MN
- Resnick D See Sartoris DJ
- Resnick D See Stiles RG
- Resnick D See Van Lom KJ
- Resnick D: Paget disease of bone: current status and a look back to 1943 and earlier. *AJR* 1988; 150: 249
- Resnick D; Pate D; Sartoris DJ; et al: stenotic spinal canal models derived from computed tomography data: preliminary investigation. *CT* 1987; 11: 51
- Resnick D; Pineda CJ; Weisman MH; et al: osteomyelitis and septic arthritis of the hand following human bites. (ab). *Radiology* 1986; 159: 572

- Resnick D; Polansky AD: hyoid bone elevation: sign of tracheal transection: reply, *Radiology* 1986; 158: 564
- Resnick D; Sartoris DJ: status of osteoradiology fellowship training in the United States, *AJR* 1987; 149: 973
- Resnick MI See Spinnak JP
- Resnick MI: transrectal ultrasound guided versus digitally directed prostatic biopsy: a comparative study, (ab), *Radiology* 1988; 169: 289
- Resnick CS See Kubota RT
- Resnick CS See Sartoris DJ
- Resnick CS See Van Lom KJ
- Resnick CS; Ammann AM; Walsh JW: chronic septic arthritis of the adult hip: computed tomographic features, *Skeletal Radiol* 1987; 16: 513
- Resnick CS; Fratzkin MJ; Cardea JA: arthroscintigraphic evaluation of the painful total hip prosthesis, *Clin Nucl Med* 1986; 11: 242
- Resnick CS; Grizzard JD; Simmons BP; et al: incomplete carpal coalition, *AJR* 1986; 147: 301
- Resnick CS; Hartenberg MA: ossification centers of the pediatric elbow: rare normal variant, *Pediatr Radiol* 1986; 16: 254
- Resnick CS; Sawyer RW; Tisnado J: septic arthritis of the hip: a rare complication of angiography, *J Canad Assoc Radiol* 1987; 38: 299
- Resnick CS; Steffe JW; Wang SE: case report 353, *Skeletal Radiol* 1986; 15: 175
- Resta M See Carella A
- Resta S See Suss RA
- Restrepo G See Salimi Z
- Retrum ER; Schmidlin TM; Taylor WK; et al: CT myelography of extradural pigmented villonodular synovitis, *AJNR* 1987; 8: 727
- Retrum RK; Wepfer JF; Olen DW; et al: case report 355, *Skeletal Radiol* 1986; 15: 185
- Rettenmaier G See Seitz K
- Retterbush DW See Wise RH Jr
- Reuben A See Morse SS
- Reuss A; Wiadimirff JW; v. d. Wijngaard JAGW; et al: fetal renal anomalies, a diagnostic dilemma in the presence of intrauterine growth retardation and oligohydramnios, *Ultrasound Med Biol* 1987; 13: 619
- Reuss ML: delayed diagnosis of advanced combined pregnancy, *JCU* 1988; 16: 187
- Reuter KL; Cohen S; Daly D: ultrasonic presentation of giant hydatid cysts in asymptomatic patients, *JCU* 1987; 15: 45
- Reuter KL; Daly D: ultrasonic monitoring under local anesthesia during removal of an embedded intrauterine contraceptive device, *JCU* 1986; 14: 68
- Reuter KL; Davidoff A; Hunter T: vasa previa, *JCU* 1988; 16: 346
- Reuter KL; D'Orsi CJ; Raptopoulos V; et al: imaging of questionable and unusual pelvic masses, *Br J Radiol* 1986; 59: 765
- Reuter SR See Baum S
- Reuter SR See Palmaz JC
- Reuter SR See Sibbitt RR
- Reuter SR: overview of informed consent for radiologists, *AJR* 1987; 148: 219
- Reuter SR: use of conventional vs low-osmolar contrast agents: a legal analysis, *AJR* 1988; 151: 529
- Reveille JD See Summers MN
- Revel D See McNamara MT
- Revel D See Ogan MD
- Revel D See Paajanen H
- Revel D See Terrier F
- Revel D; Brasch RC; Paajanen H; Rosenau W; Grodd W; Engelstad B; Fox P; Winkelhake J: Gd-DTPA contrast enhancement and tissue differentiation in MR imaging of experimental breast carcinoma, *Radiology* 1986; 158: 319
- Revert R See Brailion A
- Revesz G See Hillmann JS
- Revesz G See Mesgarzadeh M
- Revesz L See Edgren MR
- Revesz L See Neumeister K
- Rex D See Magliette DDT
- Rex DK; Lehman GA; Lappas JC; Miller RE: sensitivity of double-contrast barium study for left-colon polyps, *Radiology* 1986; 158: 69
- Reyes FI See Mehta AE
- Reyes HM See Samuelson SL
- Reyes R See Maynar M
- Reyes de la Rocha S; Leonard JC: diaphragmatic eventration versus chest mass, *Clin Nucl Med* 1988; 13: 619
- Reyes de la Rocha S; Pysher TJ; Leonard JC: dyskinetic cili syndrome: clinical, radiographic and scintigraphic findings, *Pediatr Radiol* 1987; 17: 97
- Reynaud-Bougnoux A; Lespinaise F; Malaize EF; et al: partial hypoxia as a cause of radioresistance in a human tumor xenograft: its influence illustrated by the sensitizing effect of misonidazole and hyperbaric oxygen, *Int J Radiat Oncol Biol Phys* 1986; 12: 1283
- Reynolds H; Carter SW; Murtagh FR; Silbiger M; Rechting GR: cervical rheumatoid arthritis: value of flexion and extension views in imaging, *Radiology* 1987; 164: 215
- Reynolds J: skull and spine, *Semin Roentgenol* 1987; 22: 168
- Reynolds JC See Carrasquillo JA
- Reynolds KL See Bourland JD
- Reynolds RA See Goldwasser SM
- Reynolds T; Hill MC; Glasman LM: sonography of hemorrhagic ovarian cysts, *JCU* 1986; 14: 449
- Reynolds TB See Tabibian N
- Reynolds TN See Barnes PF
- Rezal K See Yuh WTC
- Rezal K; Kirchner PT; Armstrong C; et al: validation studies for brain blood flow assessment by radioxenon tomography, *J Nucl Med* 1988; 29: 348
- Rezvani L; Tully RJ; Levine C; et al: computed tomography in the diagnosis and follow-up of American Burkitt's lymphoma, *Gastrointest Radiol* 1986; 11: 36
- Rhee JG See Hasegawa T
- Rhee JG See Song CW
- Rhee RS; Kumasaki DY; Sawar M; et al: MR imaging of intraventricular cysticercosis, *JCAT* 1987; 11: 598
- Rhee RS; Ray CG III; Kravetz MH; et al: cervical esophageal duplication cyst: MR imaging, *JCAT* 1988; 12: 693
- Rhen S See Nyman R
- Rhodes AH See Blumgart RL
- Rhodes BA; Zamora PO; Newell KD; et al: technetium-99m labeling of murine monoclonal antibody fragments, *J Nucl Med* 1986; 27: 685
- Rhodes CG See Valind SO
- Rhodes CG See Wollmer P
- Rhodes M See Lufkin RB
- Rhodes ML See Rothman SLG
- Rhodes RA; Fried AM; Lorman JG; Kryscio RJ: tomographic levels for intravenous urography: CT-determined guidelines, *Radiology* 1987; 163: 673
- Rhodes RE See Mamourian AC
- Rhodes RH See Marshall VG
- Rholl KS See Lee JKT
- Rholl KS See McClennan BL
- Rholl KS; Lee JKT; Heiken JP; Ling D; Glazer HS: primary bladder carcinoma: evaluation with MR imaging, *Radiology* 1987; 163: 117
- Rholl KS; Lee JKT; Ling D; Heiken JP; Glazer HS: MR imaging of the scrotum with a high-resolution surface coil, *Radiology* 1987; 163: 99
- Rholl KS; Lee JKT; Ling D; Sicard GA; Griffiths RC; Freeman M: acute renal rejection versus acute tubular necrosis in a canine model: MR evaluation, *Radiology* 1986; 160: 113
- Rholl KS; Levitt RG; Glazer HS; Gutierrez FR; Murphy WA; Lee JKT; Geltman EM; Peterson RR: oblique magnetic resonance imaging of the cardiovascular system, *Radiographics* 1986; 6: 177
- Ribas GC See Uflacker R
- Ribbe T See Bergstrom M
- Ribeiro AA See Brown MA
- Riccardi VM See Brown EW
- Riccardi VM: neurofibromatosis, (ab), *Radiology* 1988; 166: 913
- Rice CA; Anderson TM; Sepahdri S: computed tomography and ultrasonography of carcinoma in duplication cysts, *JCAT* 1986; 10: 233
- Rice GC See Sekiguchi R
- Rice GC See Woo SY
- Rice JE; Jelama RK: combined arteriovenous malformation and intramedullary lipoma: surgery and embolotherapy, *AJNR* 1986; 7: 171
- Rice RK; Mijneer BJ; Chin LM: benchmark measurements for lung dose corrections for X-ray beams, *Int J Radiat Oncol Biol Phys* 1988; 15: 399
- Rice RP See Johnson CD
- Rice RP See Roberts L Jr
- Rice TW; Ginsberg RJ; Todd TR: tube drainage of lung abscesses, (ab), *Radiology* 1988; 167: 291
- Ricevuti G See Locatelli D
- Rich AJ See Soppitt D
- Rich M See Lee WJ
- Rich S See Box LM
- Rich S; Dantzer DR; Ayres SM; et al: primary pulmonary hypertension: a national prospective study, (ab), *Radiology* 1988; 167: 587
- Rich S; Pietra GG; Kieras K; et al: primary pulmonary hypertension: radiographic and scintigraphic patterns of histologic subtypes, (ab), *Radiology* 1987; 163: 587
- Rich TA See Seider MJ
- Rich TA See Vigliotti A
- Richard TC See Pexman JHW
- Richards DG See Lowry JA
- Richards DG See Spencer NJB
- Richards DG; Somers S; Isenman RM; Stevenson GW: cow's milk protein/soy protein allergy: gastrointestinal imaging, *Radiology* 1988; 167: 721
- Richards DG; Stafford AJ; DeMaria JE: asymptomatic abdominal mass in a child, *Br J Radiol* 1987; 60: 775
- Richards MA; Gregory WM; Webb JAW: detection of a systemic effect of malignancy in vivo by magnetic resonance imaging, *Magn Res Imag* 1988; 6: 557
- Richards MA; Gregory WM; Webb JAW; et al: reproducibility of spin lattice relaxation time (T₁) measurement using an 0.08 tesla MD 600 magnetic resonance imager, *Br J Radiol* 1987; 60: 241
- Richards MA; Webb JAW; Jewell SE; et al: *in vivo* measurement of spin lattice relaxation time (T₁) of bone marrow in healthy volunteers: the effects of age and sex, *Br J Radiol* 1988; 61: 30
- Richards MA; Webb JAW; Jewell SE; et al: *in vivo* measurement of spin lattice relaxation time (T₁) of liver in healthy volunteers: the effects of age, sex and oral contraceptive usage, *Br J Radiol* 1988; 61: 34
- Richards T; Tscholakoff D; Higgins CB: proton NMR spectroscopy in canine myocardial infarction, *Magn Res Med* 1987; 4: 555
- Richards TL; Davis CA; Barker BR; et al: lipid/water ratio of bone marrow measured by phase-encoded proton nuclear magnetic resonance spectroscopy, *Invest Radiol* 1987; 22: 741
- Richards TL; Keniry MA; Weinstein FR; et al: measurement of lactate accumulation by *in vivo* proton NMR spectroscopy during global cerebral ischemia in rats, *Magn Res Med* 1987; 5: 353
- Richards TL; Terrier F; Sievers RE; et al: lactate accumulation in ischemic and anoxic-isolated rat hearts assessed by H-1 spectroscopy, *Invest Radiol* 1987; 22: 638
- Richards-Carty C; Mishkin FS: hepatic activity on perfusion lung images, *Semin Nucl Med* 1987; 17: 85
- Richardson CJ See McArdle CB
- Richardson EP Jr See Southwick FS
- Richardson JD; Vitale GC; Flint LM Jr: penetrating arterial trauma: analysis of missed vascular injuries, (ab), *Radiology* 1988; 166: 588
- Richardson ML See Acheson MB
- Richardson ML See Goodfitt MM
- Richardson ML See Montana MA
- Richardson ML See Orzel JA
- Richardson ML See Porter BA
- Richardson ML See Selby B
- Richardson ML: optimizing pulse sequences for magnetic resonance imaging of the musculoskeletal system, *Radiol Clin North Am* 1986; 24: 137
- Richardson ML; Helms CA: artifacts, normal variants, and imaging pitfalls of musculoskeletal magnetic resonance imaging, *Radiol Clin North Am* 1986; 24: 145
- Richardson ML; Kilcoyne RF; Gillispy T III; et al: magnetic resonance imaging of musculoskeletal neoplasms, *Radiol Clin North Am* 1986; 24: 239
- Richardson ML; Kilcoyne RF; Mayo KA; Lamont JG; Hastrup W: radiographic evaluation of modern orthopedic fixation devices, *Radiographics* 1987; 7: 685
- Richardson ML; Pozzi-Mucelli RS; Kanter AS; et al: bone mineral changes in primary hyperparathyroidism, *Skeletal Radiol* 1986; 15: 85
- Richardson ML; Selby B; Montana MA; et al: ultrasonography of the knee, *Radiol Clin North Am* 1988; 26: 63
- Richardson RG See Gibbons RP
- Richardson RL; Duxbury CE: variation of gamma camera photographic image density with count rate, *J Nucl Med* 1986; 27: 128
- Richardson S; Hirsch A; Ruffie P; et al: relationship between tuberculous scar and carcinomas of the lung, *Eur J Radiol* 1987; 7: 163
- Riche MC See Melki JP
- Richeson JF See Weiner RS
- Richie HM See Matthews JI
- Richie JP See Lipman JC
- Richli W See Charnsangavej C
- Richli WR See Carrasco CH
- Richli WR See Roger DJ
- Richman AH See Cooper SG
- Richmond D See Schwarz W
- Richmond B See Shen S-W
- Richmond BD See Granke DS
- Richmond DH; Sutherland JR; Brown MC: screening of the bladder base and urethra using linear array transrectal ultrasound scanning, *JCU* 1986; 14: 647
- Richmond J; Sarno RC: posttrauma intracapsular bone fragments: association with meniscal tears, *AJR* 1988; 150: 159

Richmond

- Richmond J; Seydel HG; Bae Y; et al: comparison of three treatment strategies for esophageal cancer within a single institution. *Int J Radiat Oncol Biol Phys* 1987; 13: 1617
- Richmond RC See O'Hara JA
- Richter GM See Palmaz JC
- Richter HA See Erbel R
- Richter J See Warshaw DM
- Richter JA See Serena A
- Richter JE See Oh DJ
- Richter JE; Wu WC; Ott DJ; Chen YM: "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry. *Radiology* 1987; 164: 877
- Richter JM; Christensen MR; Simeone JF; et al: chronic cholecystitis: analysis of diagnostic strategies. *Invest Radiol* 1987; 22: 111
- Richter JO See Siskind BN
- Richter MP See Moldofsky PJ
- Richter MP See Rubenstein JH
- Richterman RL; Caroline DF; Friedman AC; et al: enterobronchial fistula. *Gastrointest Radiol* 1987; 12: 194
- Rickards D See Kennedy C
- Rickards D See Trehwella M
- Rickards D See Walters NA
- Rickman DL See Gohagan JK
- Ricks RC See Lushbaugh CC
- Ricotta JJ See O'Leary DH
- Ricotta JJ; Green RM; DeWeese JA: use and limitations of thrombolytic therapy in the treatment of peripheral arterial ischemia: results of a multiinstitutional questionnaire. (ab). *Radiology* 1988; 166: 294
- Riddervold HO See Abbitt PL
- Riddervold HO See Cope R
- Riddle PR See Bailey MJ
- Riddlesberger MM See Lerner A
- Rideout DF See Poon PY
- Rideout DF See Warde P
- Rider EA See Longmaid HE III
- Rider WD: let your patient be your guide. *Int J Radiat Oncol Biol Phys* 1987; 13: 1285
- Ridgway D; Wolff LJ; Neerhout RC; et al: unsuspected non-Hodgkin's lymphoma of the tonsils and adenoids in children. (ab). *Radiology* 1987; 165: 296
- Ridgway JP; Smith MA: technique for velocity imaging using magnetic resonance imaging. *Br J Radiol* 1986; 59: 603
- Ridgway JP; Turnbull LW; Smith MA: demonstration of pulsatile cerebrospinal-fluid flow using magnetic resonance phase imaging. *Br J Radiol* 1987; 60: 423
- Ridker PM See Wang A-M
- Ridlen MS See Cronan JJ
- Riebel T; Gonnermann D; Willig R-P: spermatic venography in undescended testes. *Pediatr Radiol* 1987; 17: 39
- Riedasch G See Bihl H
- Riederer SJ See Bobman SA
- Riederer SJ See Darwin RH
- Riederer SJ See Drayer BP
- Riederer SJ See Farzaneh F
- Riederer SJ See Lee JN
- Riederer SJ See Wang HZ
- Riederer SJ; Bobman SA; Lee JN; et al: improved precision in calculated T1 MR images using multiple spin-echo acquisition. *JCAT* 1986; 10: 103
- Riederer SJ; Tasciyan T; Farzaneh F; et al: MR fluoroscopy: technical feasibility. *Magn Res Med* 1988; 8: 1
- Riediger G; Gravinghoff LM; Hohnke KH; et al: digital cine angiographic evaluation of pulmonary blood flow velocity in ventricular septal defect. *Cardiovasc Intervent Radiol* 1988; 11: 1
- Riedy MJ; Lebowitz RL: percutaneous studies of the upper urinary tract in children, with special emphasis on infants. *Radiology* 1986; 160: 231
- Riehle R Jr See Aronson LJ
- Riehle RA See Gilbert BR
- Riehle RA See London RA
- Riehle RA Jr; Naslund EB; Fair W; et al: impact of shockwave lithotripsy on upper urinary tract calculi. (ab). *Radiology* 1987; 163: 588
- Rieke JW; Goffinet DR; Mariscal JM; et al: new catheter system with remote tip guidance for endobronchial brachytherapy. *Int J Radiat Oncol Biol Phys* 1988; 15: 449
- Riely CA See Taylor KJW
- Riemer BL See Daffner RH
- Riemer BL See Mainwaring BL
- Riemer M See Witte G
- Rienzo RJ; Morel DE; Prager D; et al: gallium avid Lyme myocarditis. *Clin Nucl Med* 1987; 12: 475
- Ries MC; Milligan AJ; Merrick HW; et al: biochemical and cellular effects of radiofrequency induced interstitial hyperthermia on normal canine liver. *Int J Radiat Oncol Biol Phys* 1988; 14: 529
- Rieser GD; Ober KP; Cowan RJ; et al: radioiodine imaging of struma cordis. *Clin Nucl Med* 1988; 13: 421
- Rieth KG; Comite F; Dwyer AJ; et al: CT of cerebral abnormalities in precocious puberty. *AJNR* 1987; 8: 283
- Rietz BA See Topol EJ
- Rifkin MD See Bidula MM
- Rifkin MD See Chayen B
- Rifkin MD See Dunnick NR
- Rifkin MD See Fornage BD
- Rifkin MD See Kinori I
- Rifkin MD See Mitchell DG
- Rifkin MD See Needleman L
- Rifkin MD See Pennell RG
- Rifkin MD See Teitelbaum GP
- Rifkin MD See Villaro MM
- Rifkin MD See Wechsler RJ
- Rifkin MD: endorectal sonography of the prostate: clinical implications. *AJR* 1987; 148: 1137
- Rifkin MD: endorectal ultrasound of the rectal wall. *Semin US CT MR* 1987; 8: 424
- Rifkin MD: scrotal ultrasound. *Urol Radiol* 1987; 9: 119
- Rifkin MD; Choi H: implications of small, peripheral hypoechoic lesions in endorectal US of the prostate. *Radiology* 1988; 166: 619
- Rifkin MD; Friedland GW; Shortliffe L: prostatic evaluation of transrectal endosonography: detection of carcinoma. *Radiology* 1986; 158: 85
- Rifkin MD; Mack LA; Lennard ES; et al: intraoperative abdominal ultrasonography: initial experience with a dedicated high-resolution operative transducer. *J Ultrasound Med* 1986; 5: 429
- Rifkin MD; Needleman L; Pasto ME; et al: evaluation of renal transplant rejection by duplex Doppler examination: value of the resistive index. *AJR* 1987; 148: 759
- Rifkin MD; Rosato FE; Branch HM; et al: intraoperative ultrasound of the liver: an important adjunctive tool for decision making in the operating room. (ab). *Radiology* 1987; 165: 588
- Rifkin MD; Schwartz GF; Pasto ME; et al: ultrasound for guidance of breast mass removal. *J Ultrasound Med* 1988; 7: 261
- Rifkin RD See Uretsky BF
- Riga PM See Sandler MA
- Rigamonti D See Bojanowski WM
- Rigamonti D See Som PM
- Rigauts HD; Selleslag DL; Van Eyken PL; Van Damme BJ; Fevery JM; Marchal GJ: erythromycin-induced hepatitis: simulator of malignancy. *Radiology* 1988; 169: 661
- Rigaux A; Vossen P; Van Baarle A; et al: hepatic artery aneurysm: ultrasonic diagnosis. *JCU* 1986; 14: 401
- Riggs JD See Starkschall G
- Rigor VU; Goldstone SE; Jones J; et al: hibernoma: case report and discussion of a rare tumor. (ab). *Radiology* 1986; 161: 573
- Rigoby C See Blair D
- Rigoby CM See Falkoff GE
- Rigoby CM See Piccirillo M
- Rigoby CM See Taylor KJW
- Rigoby CM See Warshaw DM
- Rigoby CM; Burns PN; Weltin GG; Chen B; Bia M; Taylor KJW: Doppler signal quantitation in renal allografts: comparison in normal and rejecting transplants, with pathologic correlation. *Radiology* 1987; 162: 39
- Rigoby CM; Rosenfield AT; Glickman MG; et al: hemorrhagic focal bacterial nephritis: findings on gray-scale sonography and CT. *AJR* 1986; 146: 1173
- Rigoby CM; Taylor KJW; Weltin GG; Burns PN; Bia M; Princenthal RA; Kashgarian M; Flye MW: renal allografts in acute rejection: evaluation using duplex sonography. *Radiology* 1986; 158: 375
- Riha M See Claesson I
- Riihimaki E See Korhola O
- Riis BJ See Nilas L
- Rijke AM; Tegtmeyer CJ; Weiland DJ; McCue FC III: stress examination of the cruciate ligaments: a radiologic Lachman test. *Radiology* 1987; 165: 867
- Rijsterborgh H; Roelands J: Doppler assessment of aortic stenosis: Bernoulli revisited. *Ultrasound Med Biol* 1987; 13: 241
- Rikimaru S See Ueno K
- Rikkens LF See Soper NJ
- Riley CN See Shih W-J
- Riley LH Jr See Fishman EK
- Riley MF See Come PC
- Riley P See Gale AG
- Rimm AA See Alpern MB
- Rimm AA See Goodman LR
- Rimm AA See Haughton VM
- Rimoin DL See Lachman RS
- Rinart E See Gmelin E
- Rinck P See Appel B
- Rinck PA: cranial and spinal magnetic resonance imaging: an atlas and guide. *Radiology* 1988; 168: 442
- Rinck PA: radionuclides in nephrology. *Radiology* 1988; 167: 386
- Rinck PA; Fischer HW; Vander Elst L; Van Haverbeke Y; Muller RN: field-cycling relaxometry: medical applications. *Radiology* 1988; 168: 843
- Rindsberg S See Levy DW
- Rindsberg S; Friedman AC; Fiel SB; et al: MRI of tracheobronchomegaly. *J Canad Assoc Radiol* 1987; 38: 126
- Rindsberg S; Radecki PD; Friedman AC; et al: intraoperative ultrasonic localization of a small pancreatic pseudocyst. *Gastrointest Radiol* 1986; 11: 339
- Rindsberg SN See Lev-Toaff AS
- Ring EJ See Kerlan RK Jr
- Ring EJ See Maroney TP
- Ring EJ See Waltman AC
- Ring P See Thomsen C
- Ring WS See Andreone PA
- Ringertz H See Eklöf O
- Ringertz HG See Brusch RC
- Ringertz HG See Moore SG
- Ringertz HG; Jaschke W; Sievers R; et al: relative carotid blood flow measurements in dogs by high-speed CT: a preliminary study. *Invest Radiol* 1987; 22: 980
- Ringo S See Af'chrift M
- Rinsky LA See Gamble JG
- Riordan DD See Curtis DJ
- Rios G; Garcia D; Frats E; et al: demonstration of epicardial varix with technetium-99m labeled red blood cells. *Clin Nucl Med* 1987; 12: 656
- Ripley SD See Mountz JM
- Rippe DJ; Edwards MK; D'Amour PG; et al: MR imaging of central pontine myelinolysis. *JCAT* 1987; 11: 724
- Rippin R See Chen JJS
- Risch M See Hannig C
- Risescu J See Garty I
- Risius B See Geisinger MA
- Risius B See Graor RA
- Risius B: low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries: reply. *Radiology* 1988; 168: 877
- Risius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR; Grossbard EB: recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts. *Radiology* 1986; 160: 183
- Risius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR: thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses. *Radiology* 1987; 164: 465
- Rissanen P See Kajanti M
- Ritchey ML; Kinard R; Novicki DE: adrenal tumors: involvement of the inferior vena cava. (ab). *Radiology* 1988; 167: 294
- Ritchie DA; Hill D; Fullerton GM; et al: ultrasound diagnosis of profunda femoris pseudo-aneurysm following nail-plate fixation of a transcervical femoral fracture. *Br J Radiol* 1987; 60: 502
- Ritchie JL See Cerqueira MD
- Ritchie JL; Hansen DD; Vracko R; et al: mechanical thrombolysis: new rotational catheter approach for acute thrombi. (ab). *Radiology* 1986; 161: 284
- Ritchie K See Mo LY
- Ritchie WG See Bhutani VK
- Ritchie WGM See Bundy AL
- Ritchie WGM See Lentini JF
- Ritchie WGM: sonographic evaluation of normal and induced ovulation. *Radiology* 1986; 161: 1
- Ritchie WW; Vick CW; Glocheski SK; Cook DE: evaluation of azotemic patients: diagnostic yield of initial US examination. *Radiology* 1988; 167: 245
- Ritener ER: health effects of low level radiation: carcinogenesis, teratogenesis, and mutagenesis. *Semin Nucl Med* 1986; 16: 106
- Ritman EL See Liu Y-H
- Ritschl P; Karmel F; Hajek P: fibrous metaphyseal defects—determination of their origin and natural history using a radiomorphological study. *Skeletal Radiol* 1988; 17: 8
- Rittenhouse EA; Tenckhoff L; Kawabori I; et al: surgical repair of an aortofemoral corrected malposition of the great arteries. (ab). *Radiology* 1987; 162: 886
- Ritter-Hrncirik CA See Grossman ZD
- Ritter-Hrncirik CA See Rosebrough SF
- Rittgers SE See Fei D-Y
- Rittgers SE; Fei D-Y: flow dynamics in a stenosed carotid bifurcation model—part II: derived indices. *Ultrasound Med Biol* 1988; 14: 33
- Riva A See Bradac GB
- Rivara F; Tanaguchi D; Parish RA; et al: poor prediction of positive computed tomographic scans by clinical criteria in symptomatic pediatric head trauma. (ab). *Radiology* 1988; 168: 295
- Rivara FF; Paris RA; Muller BA: extremity injuries in children: predictive value of clinical findings. (ab). *Radiology* 1987; 164: 888
- Rivkind A See Ravinovic R

- Rivron RP See Janke PG
 Rizer DM See White RJ Jr
 Rizk C See Khayat G
 Rizk GK See Sakouk FA
 Rizzatto G See Derchi LE
 Rizzatto G See Di Donna A
 Rizzatto G See Solbiati L
 Rizzatto G See Zappasodi F
 Rizzatto G; Solbiati L; Croce F; et al: aspiration biopsy of superficial lesions: ultrasonic guidance with a linear-array probe, *AJR* 1987; 148: 623
 Rizzo N See Piliu G
 Rizzoli HV See Di Chiro G
 Roach AC See Addlesstone RB
 Roach ES; Williams DP; Laster DW: magnetic resonance imaging in tuberculous sclerosis, (*ab*), *Radiology* 1987; 164: 887
 Roach ES; Williams DP; Laster DW: magnetic resonance imaging in tuberculous sclerosis, (*ab*), *Radiology* 1987; 165: 590
 Road JD; Jacques J; Sparling JR: diffuse alveolar septal amyloidosis presenting with recurrent hemoptysis and medial dissection of pulmonary arteries, (*ab*), *Radiology* 1986; 159: 569
 Robain O See Kalifa GL
 Robards JB See Curnes JT
 Robb JA See Park H-M
 Robb WL: future advances and directions in imaging research, *AJR* 1988; 150: 39
 Robberecht E See Lambrecht L
 Robbins A See Bettmann MA
 Robbins AH See Vincent ME
 Robbins AH; Horowitz DM; Srinivasan MK; Vincent ME; Shaffer K; Sadowaky NL; Sonnenfeld M: speech-controlled generation of radiology reports, *Radiology* 1987; 164: 569
 Robbins AH; Vincent ME; Shaffer K; Maletta R; Srinivasan MK: radiology reports: assessment of a 5,000-word speech recognizer, *Radiology* 1988; 167: 853
 Robbins KT See Woodson GE
 Robbins MS See Covey JR
 Robbins RA See Gurney JW
 Robbins SM See Chezmaz JL
 Robbins SM; Tuten TU; Clements JL; et al: angiographic diagnosis of gastric volvulus with report of a complication following left gastric artery embolization, *Gastrointest Radiol* 1988; 13: 112
 Robbins WL See DePuey EG
 Robert WC; Kaufman RJ: calcification of healed myocardial infarcts, (*ab*), *Radiology* 1988; 166: 912
 Roberts CJ See Charny MC
 Roberts CJ See Rogers KD
 Roberts CM; Citron KM; Strickland R: intrathoracic aspergilloma: role of CT in diagnosis and treatment, *Radiology* 1987; 165: 123
 Roberts D See Newmark H III
 Roberts GM See Charny MC
 Roberts GM See Nicholson AA
 Roberts GM See Rose JD
 Roberts JL; Fishman EK; Hartman DS; Sanders RC; Goodman ZD; Siegelman SS: lipomatous tumors of the liver: evaluation with CT and US, *Radiology* 1986; 158: 613
 Roberts JL; Magid D; Miller NR; et al: case report 493, *Skeletal Radiol* 1988; 17: 375
 Roberts JT See Bleehen NM
 Roberts JT See Burt CT
 Roberts JT See Coblenz C
 Roberts JT; Bleehen NM; Walton MI; et al: clinical phase I toxicity study of Ro 03-8799: plasma, urine, tumour and normal brain pharmacokinetics, *Br J Radiol* 1986; 59: 107
 Roberts JW See Symmonds RE Jr
 Roberts JW Jr: selection and performance of radiologic equipment, *Radiology* 1986; 161: 256
 Roberts JW Jr: x-ray imaging equipment: introduction, *Radiology* 1986; 161: 52
 Roberts KR See Ward MC
 Roberts L See Thompson WM
 Roberts L Jr See Foster WL Jr
 Roberts L Jr See Halvorsen RA Jr
 Roberts L Jr; Drayer BP; Apple JS; et al: unusual presentation of thyroid papillary carcinoma: enlargement of a cervical intervertebral foramen, *Comput Radiol* 1986; 10: 45
 Roberts L Jr; Gibbons R; Gibbons G; Rice RP; Thompson WM: adult esophageal candidiasis: radiographic spectrum, *Radiographics* 1987; 7: 289
 Roberts MC; Pollack HM; Banner MP; et al: interstitial emphysema associated with epidural anesthesia for extracorporeal shock-wave lithotripsy, *AJR* 1987; 148: 301
 Roberts R See Rokoy R
 Roberts SJ See Poulsen MG
 Roberts W See Quinn SF
 Roberts WC: major anomalies of coronary arterial origin seen in adulthood, (*ab*), *Radiology* 1987; 163: 291
 Roberts WK See Ngo FQH
 Roberts WN; Daltroy LH; Anderson RJ: stability of normal joint findings in persistent classic rheumatoid arthritis, (*ab*), *Radiology* 1988; 169: 885
 Robertson A See Alcock MK
 Robertson A: M.R.I. of the soft tissues—case reports, *Australas Radiol* 1987; 31: 315
 Robertson AG See Ammar F
 Robertson AG See Samaranyake LP
 Robertson AG; McGreggor IA; Soutar DS; et al: post-operative radiotherapy in the management of advanced intra-oral cancers, *Clin Radiol* 1986; 37: 173
 Robertson AR See Herd CM
 Robertson CN See Begley MG
 Robertson D See Rubesin SE
 Robertson DAR See Dobson HM
 Robertson DD See Fishman EK
 Robertson DD; Walker PS; Granholm JW; et al: design of custom hip stem prostheses using three-dimensional CT modeling, *JCAT* 1987; 11: 804
 Robertson DD; Weiss PJ; Fishman EK; et al: evaluation of CT techniques for reducing artifacts in the presence of metallic orthopedic implants, *JCAT* 1988; 12: 236
 Robertson HJF See Sovak M
 Robertson HJF: blood clot formation in angiographic syringes containing nonionic contrast media, *Radiology* 1987; 162: 621
 Robertson HJF: blood clot formation in angiographic syringes containing nonionic contrast media: reply, *Radiology* 1987; 165: 582
 Robertson JM See Reber M
 Robertson R; Murphy A; Dubbins PA: renal artery stenosis: the use of duplex ultrasound as a screening technique, *Br J Radiol* 1988; 61: 196
 Robertson RH See Powers TA
 Robertson RJ See Powery AM
 Robertson WD See Atri M
 Robertson WD See Dalley RW
 Robertson WD See Nugent RA
 Robertson WD See Reed D
 Robertson WD; Li DK; Mayo JR; et al: assessment of multiple sclerosis lesions by magnetic resonance imaging, *J Canad Assoc Radiol* 1987; 38: 177
 Roberts-Thomson IC See Doyle TCA
 Robey EL; Schellhammer PF: local failure after definitive therapy for prostatic cancer, (*ab*), *Radiology* 1987; 165: 588
 Robie B See Favilar H
 Robinowitz M See Virmani R
 Robins AG See Gale ME
 Robins HI; Longo WL; Steeves RA; et al: pilot study of whole body hyperthermia and local irradiation for advanced non-small cell lung cancer confined to the thorax, *Int J Radiat Oncol Biol Phys* 1988; 15: 427
 Robins HI; Steeves RA; Schmitt CL; et al: hyperthermia study of differential sensitivity and thermotolerance in AKR murine leukemia and normal bone marrow cells, *Int J Radiat Oncol Biol Phys* 1988; 14: 979
 Robins JM See Peddecock KM
 Robinson AE See Brady MB
 Robinson AE See Schoenberger SG
 Robinson AE: AUR subspecialty recognition survey: response, *Invest Radiol* 1987; 22: 429
 Robinson AE; Hill EP; Harpen MD: radiation dose reduction in pediatric CT, *Pediatr Radiol* 1986; 16: 53
 Robinson BF; Seeger JF; Zak SM: rheumatoid arthritis and positional vertebral basilar insufficiency: case report, (*ab*), *Radiology* 1987; 163: 839
 Robinson BS See Chandrasekaran K
 Robinson BW; Benjamin CS: extranodal non-Hodgkins lymphoma in rare sites, *Australas Radiol* 1987; 31: 418
 Robinson CA See Fraser RG
 Robinson DA; McKinstry CS; Steiner RE; et al: magnetic resonance imaging of the solitary hepatic mass: direct correlation with pathology and computed tomography, *Clin Radiol* 1987; 38: 559
 Robinson DA; Steiner RE; Young IR: MR contribution after CT demonstration of supratentorial mass effect without additional localizing features, *JCAT* 1988; 12: 275
 Robinson DE See Knight FC
 Robinson DE; Bamber JC; Doust B; et al: tissue characterization of WFUMB '85, *Ultrasound Med Biol* 1986; 12: 725
 Robinson DE; Gill RW; Kossoff G: quantitative sonography, *Ultrasound Med Biol* 1986; 12: 555
 Robinson EM See Mackenzie IS
 Robinson EM; Mackenzie IS; Freemont A; et al: high resolution nuclear magnetic resonance imaging of pig knees at 4.7 T, *Magn Res Imag* 1988; 6: 591
 Robinson G See Strauss S
 Robinson GD Jr; Alavi A; Vaum R; et al: imaging of lymph node uptake after intravenous administration of indium-111 metalloporphyrins, *J Nucl Med* 1986; 27: 239
 Robinson HF See Morgan DAL
 Robinson JD See Butto F
 Robinson JD; Hunter DW; Castaneda-Zuniga WR; Amplatz K: new torque guide wire, *Radiology* 1987; 165: 572
 Robinson JM; Cockrell CH; Tinsiao J; et al: selective low-dose streptokinase infusion in the treatment of acute transplant renal vein thrombosis, *Cardiovasc Intervent Radiol* 1986; 9: 86
 Robinson KE: diagnostic imaging in ophthalmology, *Radiology* 1986; 160: 772
 Robinson KE: maxillofacial injuries. 2 vols., *Radiology* 1986; 160: 206
 Robinson KE: otologic radiology with clinical correlations, *Radiology* 1986; 161: 376
 Robinson L See Maulik D
 Robinson LH See Pfeiffer WR
 Robinson M See Sacks D
 Robinson M; Alcock C; Gatter KC; et al: analysis of malignant tumours of uncertain origin with immunohistological techniques: clinical follow-up, *Clin Radiol* 1988; 39: 432
 Robinson MJ See Reinfeld HB
 Robinson MJ See Sacks D
 Robinson PJ See Chalmers AG
 Robinson PJ See Jones KR
 Robinson PJ See Parkin A
 Robinson RG See De Smet AA
 Robinson RG See Reddy EK
 Robinson RR See James AE Jr
 Robinson JD See Spies JB
 Robinson PD See Palmaz JC
 Robitaille P See Grignon A
 Robitaille P See Patriquin HB
 Robledo R See Camuñez F
 Robledo R; Prieto ML; Pérez M; Camuñez F; Echenagusia A: carcinoma of the hepatopancreatic ampullary region: role of US, *Radiology* 1988; 166: 409
 Robles JE See Serena A
 Robson N; van Benenth PP; Gan R; et al: casualty x-ray reporting: student survey, (*ab*), *Radiology* 1986; 158: 863
 Robson RA See Soppitt D
 Roca M; Sellier N; Mensire A; et al: acute acalculous cholecystitis in salmonella infection, *Pediatr Radiol* 1988; 18: 421
 Rocchini AP See Bank ER
 Rocchini AP See Wallis JW
 Rocha F; Pathe M; Baron B; et al: could inspiratory apnea disturb left ventricular volume assessment by contrast angiography?, *Cardiovasc Intervent Radiol* 1987; 10: 65
 Roche A See Van Beers B
 Rochester D See Chen HH
 Rochester D; Panella JS; Port RB; Rosenfeld M; Rawal U: ectopic pregnancy: surgical-pathologic correlation with US, *Radiology* 1987; 165: 843
 Rockett J See Moineddin M
 Rockoff SD See Cohen LM
 Rockoff SD See Silvi CJ
 Rockoff SD See Steiner RM
 Rockoff SD: CT demonstration of interlobar fissure calcification due to asbestos exposure, *JCAT* 1987; 11: 1066
 Rockoff SD; Kagan E; Schwartz A; et al: visceral pleural thickening in asbestos exposure: the occurrence and implications of thickened interlobar fissures, *J Thorac Imag* 1987; 2: 58
 Rockwell S See Fischer JJ
 Rockwell S See Martin DF
 Rockwell S See Moulder JE
 Rockwell S See Nath R
 Rockwell S See Sostman D
 Rockwell S; Mate TP; Irvin CG; et al: reactions of tumors and normal tissues in mice to irradiation in the presence and absence of a perfluorochemical emulsion, *Int J Radiat Oncol Biol Phys* 1986; 12: 1315
 Rodacki MA; Teixeira WR; Boer VHT; et al: intradural, extramedullary high cervical neuroenteric cyst, *Neuroradiol* 1987; 29: 588
 Rodan BA See Daughtery JD
 Rodan BA See Mullin DM
 Rodde A See Stines J
 Roddie ME; Peters AM; Danpure HJ; Osman S; Henderson BL; Lavender JF; Carroll MJ; Neirincck RD; Kelly JD: inflammation: imaging with Tc-99m HMPAO-labeled leukocytes, *Radiology* 1988; 166: 767
 Rode H See Lamont AC
 Rodock G See Schwert WB
 Roden DT; Savino PJ; Zimmerman RA: magnetic resonance imaging in orbital diagnosis, *Radiol Clin North Am* 1988; 26: 535
 Rodenberg JC; Maegaard KK; Svanholm H: case report 369, *Skeletal Radiol* 1986; 15: 334
 Rodesch F See Avni EF
 Rodger A See Doherty MA
 Rodger A See Snee MP
 Rodger A; Stewart HJ; White GK: efficacy of delayed radiotherapy for locoregionally recurrent postmastectomy breast cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 645

Rodgers

- Rodgers J See McRae D
 Rodi IA See Sauer MV
 Rodiere MJ See Lamarque JL
 Rodkey GV See Mueller PR
 Rodriguez P: radiologia pulmonar (pulmonary radiology). *Radiology* 1986; 161: 684
 Rodriguez FRD: percutaneous and interventional urology and radiology. *Radiology* 1987; 163: 654
 Rodriguez AA See Moreno AJ
 Rodriguez JL See Barrio JL
 Rodriguez M See Arlas FG
 Rodriguez MB See Sandler CM
 Rodriguez-Maisano E See Lopez OL
 Rodriguez-Valverde V; Zuniga M; Casanueva B; et al: hereditary articular chondrocalcinosis: clinical and genetic features in 13 pedigrees. (ab). *Radiology* 1988; 167: 887
 Roe D See Kimme-Smith C
 Roe LR See Springfield DS
 Roe LR: traumatic hip dislocation in childhood. *Radiology* 1987; 165: 638
 Roe S See O'Leary DH
 Roe SA See Gramiak R
 Roe SJ See duCret RP
 Roe TF See Gilsanz V
 Roebuck EJ See Buckley JH
 Roebuck EJ See Gale AG
 Roederer GO See Kohler TR
 Roehm JOF Jr; Johanssen IS; Barth MH; Gianturco C: bird's nest inferior vena cava filter: progress report. *Radiology* 1988; 168: 745
 Roehrborn CG; Peters PC: can transabdominal ultrasound estimation of postvoiding residual (PVR) replace catheterization? (ab). *Radiology* 1988; 169: 882
 Roelandt J See Gussenhoven EJ
 Roelandt J See Moro E
 Roelandt J See Rijsterborgh H
 Roelandt JRTC See Assmann PE
 Roelofs BHM See Bascom PA
 Roemer PB See Bottomley PA
 Roemer PB See Hardy CJ
 Roeren T; Hauenstein K; Dinkel E; et al: intraarterial digital subtraction angiography of renal transplants. *Urol Radiol* 1986; 8: 77
 Roessler FJ Jr; Willis JS: hepatic actinomycosis: CT features. *JCAT* 1986; 10: 335
 Rofstad EK: radiation biology of malignant melanoma. *Acta Oncol* 1986; 25: 1
 Rofstad EK; Wahl A; Brustad T: radiation response of human melanoma multicellular spheroids measured as single cell survival, growth delay, and spheroid cure: comparisons with the parent tumor xenograft. *Int J Radiat Oncol Biol Phys* 1986; 12: 975
 Rofstad EK; Wahl A; Brustad T: radiation response of multicellular spheroids initiated from five human melanoma xenograft lines. relationship to the radiosensitivity *in vivo*. *Br J Radiol* 1986; 59: 1023
 Rogalsky RJ; Black GB; Reed MH: orthopaedic manifestations of leukemia in children. (ab). *Radiology* 1986; 161: 287
 Roger B See Laval-Jeanet AM
 Rogers DJ; Richi WR: CT table attachment for parasagittal scanning of the axilla. *AJR* 1987; 149: 555
 Rogers CC See Crawford JS
 Rogers DC See Pizer SM
 Rogers G See Hersh JH
 Rogers J See Chui MC
 Rogers JG See Silience DO
 Rogers JM See Sanchez FW
 Rogers KD; Matthews IP; Roberts CJ: variation in repeat rates between 18 radiology departments. *Br J Radiol* 1987; 60: 463
 Rogers LF See Hendrix RW
 Rogers LF See Kim KS
 Rogers LF See Lee C
 Rogers LF See Regenbogen VS
 Rogers LF; Braunstein EM; De Smet AA; Helms CA; Pavlov H; Suker JR; Torg JS: all-star sports medicine film panel. *Radiographics* 1987; 7: 1187
 Rogers LF; Braunstein EM; Pavlov H; De Smet AA; Suker JR; Helms CA; Torg JS: all-star sports medicine film panel. *Radiographics* 1988; 8: 235
 Rogers LR; Cho E-S; Kempin S; et al: cerebral infarction from non-bacterial thrombotic endocarditis: clinical and pathological study including the effects of anticoagulation. (ab). *Radiology* 1988; 167: 295
 Rogers W See Palmaz JC
 Rogers WJ See Zerhouni EA
 Rogers WJ See Koral KF
 Rogge DM See Kuni CC
 Roggli V See Bergin C
 Roggli V See Szpazak
 Roggli VL See Foster WL Jr
 Rogoff P See Grassi CJ
 Rogoff PA See Kaszar-Seibert DJ
 Rogopoulos A See Bruneton J-N
 Roguin N See Or I
 Roguin N; Lam M; Frankel A; et al: radionuclide angiography of azygos continuation of inferior vena cava in left atrial isomerism (polysplenia syndrome). *Clin Nucl Med* 1987; 12: 708
 Rohatgi PK; Singh R; Vieras F: extrapulmonary localization of gallium in sarcoidosis. *Clin Nucl Med* 1987; 12: 9
 Rohmer J See Guitt GL
 Rohmer F See Weill F
 Rohrer DG See Williamson BRJ
 Rohrmann CA See Montana MA
 Rohrmann CA See Teeffey SA
 Rohatgi M See Gupta AK
 Roi LD See Lee F
 Roig C See Litvan I
 Roikjaer O See Karstrup S
 Roizins-Towle L; Pirro JP; McDowell J: comparison of the heat and radiation sensitivity of rodent and human derived cells cultured *in vitro*. *Int J Radiat Oncol Biol Phys* 1986; 12: 647
 Rojas A; Stewart FA; Smith KA; et al: effect of anemia on tumor radiosensitivity under normo and hyperbaric conditions. *Int J Radiat Oncol Biol Phys* 1987; 13: 1681
 Rojas KA See Murata K
 Rokey R See Wendt RE III
 Rokey R; Verani MS; Bolli R; Kuo LC; Ford JJ; Wendt RE; Schneiders NJ; Bryan RN; Roberts R: myocardial infarct size quantification by MR imaging early after coronary artery occlusion in dogs. *Radiology* 1986; 158: 771
 Rokey R; Wendt RE; Johnston DL: monitoring of acutely ill patients during nuclear magnetic resonance imaging: use of a time-varying filter electrocardiographic gating device to reduce gradient artifacts. *Magn Res Med* 1988; 6: 240
 Roland EH See Flodmark O
 Roland JH See Piepaz A
 Rolfe EB See Meanwell CA
 Rolfe RJ See Urrutia EJ
 Rolland Y See Carsin M
 Rollins DL; Lloyd WE; Buchbinder D: venous thrombosis: the clinical problem. *Semin US CT MR* 1988; 9: 277
 Rollins N; Wright KC; Charnsangavej C; Wallace S; Gianturco C: self-expanding metallic stents: preliminary evaluation in an atherosclerotic model. *Radiology* 1987; 163: 739
 Rollins NK; Andrews WS; Currarino G; Miller RH; Smith TH; Redman HC: infected bile lakes following pediatric liver transplantation: nonsurgical management. *Radiology* 1988; 166: 169
 Rollins NK; Currarino G: MR imaging of posterior mediastinal thymus. *JCAT* 1988; 12: 518
 Rollins RJ; Tocchio I: early radiographic signs of tracheal rupture. *AJR* 1987; 148: 695
 Romagnoli R See Bertolani M
 Romano AJ; vanSonnenberg E; Casola G; et al: gallbladder and bile duct abnormalities in AIDS: sonographic findings in eight patients. *AJR* 1988; 150: 123
 Romano S See Shalev E
 Romero FJ; Ibarra B; Rovira M: double intracranial arteriovenous malformation in the same patient. *Neuroradiol* 1988; 30: 87
 Romero FJ; Ortega A; Ibarra B; et al: craniocervical neuroepithelial cyst (colloid cyst). *AJNR* 1987; 8: 1001
 Romero R See Jeanty P
 Romero R See Kadar N
 Romero R See Lockwood C
 Romero R See Piliu G
 Romero R; Ghidini A; Costigan K; et al: prenatal diagnosis of duodenal atresia: does it make any difference? (ab). *Radiology* 1988; 169: 887
 Rommel E See Knüttel A
 Romner B See Holttas S
 Romney BM; Nickoloff EL; Esser PD; Alderson PO: radionuclide administration to nursing mothers: mathematically derived guidelines. *Radiology* 1986; 160: 549
 Romsdahl MM See Barkley HT Jr
 Romsdahl MM See Vigliotti A
 Romyn A See Ackerman L
 Romyn AM; Bushnell DL; Freeman ML; et al: visualization of metastatic liver disease on technetium-99m bone scintigraphy. *Clin Nucl Med* 1987; 12: 264
 Roncato M See Pernes JM
 Roncin A See Arbeille P
 Roncin A See Berson M
 Ronthal M See Stillman MJ
 Roodhooft AM; Boven K; Gentens P; et al: abdominal colic due to ureteric diverticulum with stone formation. *Pediatr Radiol* 1987; 17: 252
 Roodhooft AM; Parizel PM; Van Acker KJ; et al: idiopathic cerebral arterial infarction with paucity of symptoms in the full-term neonate. (ab). *Radiology* 1988; 168: 296
 Rooholamini M See Stanford W
 Rooholamini SA See Esfahani F
 Rooholamini SA See Farnier RM
 Rooney MS; Poon PY; Wortzman G: magnetic resonance imaging of intracranial epidermoids: report of two cases. *J Canad Assoc Radiol* 1987; 38: 283
 Rooney FJ; Cockshott WF: pseudarthrosis following proximal humeral fractures: possible mechanism. *Skeletal Radiol* 1986; 15: 21
 Roos B See Jonson R
 Roos G See Lenner P
 Roos MS See Wong STS
 Roos RAC; Vielvoye GJ; Voormolen JHC; et al: magnetic resonance imaging in occult spinal dysraphism. *Pediatr Radiol* 1986; 16: 412
 Roos RAC; Voormolen JHC; Vielvoye GJ; et al: haemorrhagic necrosis of the grey matter of the spinal cord due to accidental injection of iopamidol in a patient with multiple neurofibromas: a clinico-pathological study. *Neuroradiol* 1988; 30: 178
 Roosen N; Dietrich U; Nicola N; et al: MR imaging of calcified herniated thoracic disk. *JCAT* 1987; 11: 733
 Roosen N; Gahlen D; Stork W; et al: magnetic resonance imaging of colloid cysts of the third ventricle. *Neuroradiol* 1987; 29: 10
 Roosen N; Schirmer M; Lins E; et al: MRI of an aneurysm of the vein of Galen. *AJNR* 1986; 7: 733
 Rösner B; Pettersson H; Alvegård T: growth rate of pulmonary metastases from soft tissue sarcoma. *Acta Oncol* 1987; 26: 189
 Root HD See Palmaz JC
 Root L See Sauter DD
 Rootman J See Nugent RA
 Rootman J See Reed D
 Roper C See Emami B
 Roque CT See Alvarez O
 Rorke L See Atlas SW
 Rorke MC See Lizzi FL
 Ros AMV See Ros PR
 Ros PR See Black ML
 Ros PR See Bowen B
 Ros PR See Dachman AH
 Ros PR See Hamer MM
 Ros PR See Johnson AR
 Ros PR See Lubbers PR
 Ros PR See Moser RP Jr
 Ros PR See Olmsted WW
 Ros PR; Buck JL; Goodman ZD; Ros AMV; Olmsted WW: intrahepatic cholangiocarcinoma: radiologic-pathologic correlation. *Radiology* 1988; 167: 689
 Ros PR; Goodman ZD; Ishak KG; Dachman AH; Olmsted WW; Hartman DS; Lichtenstein JE: mesenchymal hamartoma of the liver: radiologic-pathologic correlation. *Radiology* 1986; 158: 619
 Ros PR; Lubbers PR; Olmsted WW; et al: hemangioma of the liver: heterogeneous appearance on T2-weighted images. *AJR* 1987; 149: 1167
 Ros PR; Moser RP Jr; Dachman AH; Murari PJ; Olmsted WW: hemangioma of the spleen: radiologic-pathologic correlation in ten cases. *Radiology* 1987; 162: 73
 Ros PR; Olmsted WW; Dachman AH; Goodman ZD; Ishak KG; Hartman DS: undifferentiated (embryonal) sarcoma of the liver: radiologic-pathologic correlation. *Radiology* 1986; 161: 141
 Ros PR; Olmsted WW; Moser RP Jr; Dachman AH; Hjermstad BH; Sobin LH: mesenteric and omental cysts: histologic classification with imaging correlation. *Radiology* 1987; 164: 327
 Ros PR; Viamonte M Jr; Soila K; et al: demonstration of cavernomatous transformation of the portal vein by magnetic resonance imaging. *Gastrointest Radiol* 1986; 11: 90
 Rosa M; Capellini C; Canevari MA; et al: CT in low back and sciatic pain due to lumbar canal osseous changes. *Neuroradiol* 1986; 28: 237
 Rosa U; Wade KC: CT findings in hemitruncus. *JCAT* 1987; 11: 698
 Rosamond TL; Abendschein DR; Sobel BE; et al: metabolic fate of radiolabeled palmitate in ischemic canine myocardium: implications for positron emission tomography. *J Nucl Med* 1987; 28: 1322
 Rosario-Medina W; Strife JL; Dunbar JS: normal left atrium: appearance in children on frontal chest radiographs. *Radiology* 1986; 161: 345
 Rosas G See Frank JL
 Rosat P See Deramond H
 Rosato EF See Rubenstein SE
 Rosato FE See Rifkin MD
 Roscelli JD See Evans JB
 Rosch J See Glickerman DJ
 Rosch J See Keller FS
 Rosch J See Kozak BE
 Rosch J See Putnam JS
 Rosch J See Thurmond AS
 Rosch J See Uchida ET
 Rosch J; Bedell JE; Putnam J; et al: Gianturco expandable wire stents in the treatment of superior vena cava syndrome recurring after maximum-tolerance radiation. (ab). *Radiology* 1988; 167: 589

- Rosch J; Kozak BE; Keller FS; et al: interventional angiography in the diagnosis of acute lower gastrointestinal bleeding. *Eur J Radiol* 1986; 6: 136
- Rosch J; Thurmond AS; Uchida BT; Sovak M: selective transcervical fallopian tube catheterization: technique update. *Radiology* 1988; 168: 1
- Rosch J; Uchida BT; Putnam JS; Buschman RW; Law RD; Hershey AL: experimental intrahepatic portacaval anastomosis: use of expandable Gianturco stents. *Radiology* 1987; 162: 481
- Roscher R See Maier W
- Röschmann P See Bulkman D
- Roschmann P; Tschler R: surface coil proton MR imaging at 2 T. *Radiology* 1986; 161: 251
- Rose AG See Novitzky D
- Rose BS See Bools JC
- Rose BS See Mason TO
- Rose BS; Ragonis R; LaRosa JL; et al: pyelocystitis extravasation and urinoma associated with malignancy: computed tomography demonstration. (ab). *Radiology* 1988; 169: 588
- Rose BS; Simon DC; Hess ML; Van Aman ME: percutaneous transfemoral placement of the Kimray-Greenfield vena cava filter. *Radiology* 1987; 163: 373
- Rose BS; Van Aman ME; Simon DC; et al: transluminal balloon angioplasty of infrahepatic caval anastomotic stenosis following liver transplantation: case report. *Cardiovasc Intervent Radiol* 1988; 11: 79
- Rose C; Lustig R; McIntosh N; et al: clinical trial of Fluosol DA 20% in advanced squamous cell carcinoma of the head and neck. *Int J Radiat Oncol Biol Phys* 1986; 12: 1325
- Rose CM See Teicher BA
- Rose DB; Wolman SL; Ho C-S: gastric hemorrhage complicating percutaneous transgastric jejunostomy. *Radiology* 1986; 161: 835
- Rose JD; Roberts GM; Smith PM: radiological appearances of the oesophagus after sclerotherapy for varices. (ab). *Radiology* 1986; 158: 858
- Rose MA See Harris JR
- Rose RM; Grigas D; Strattemeier E; et al: endobronchial involvement with non-Hodgkin's lymphoma: clinical-radiologic analysis. (ab). *Radiology* 1986; 161: 574
- Rose SC; Hansen ME; Webster GD; Zakrzewski C; Cohen RH; Dunnick NR: artificial urinary sphincter: plain radiography of malfunction and complications. *Radiology* 1988; 168: 403
- Rose SC; Kump DA; Manco-Johnson ML: radiographic appearance of diffuse splenic hemangiomatosis. *Gastrointest Radiol* 1986; 11: 342
- Rose SC; Kump DA; Weil R III: percutaneous biliary drainage in diffuse Caroli's disease (case report). *AJR* 1986; 147: 159
- Rose SC; Moore EE: angiography in patients with arterial trauma: correlation between angiographic abnormalities, operative findings, and clinical outcome. *AJR* 1987; 149: 613
- Rose SC; Moore EE: emergency trauma angiography: accuracy, safety, and pitfalls. *AJR* 1987; 148: 1243
- Rose SC; Moore EE: trauma angiography of the extremity: the impact of injury mechanism on triage decisions. *Cardiovasc Intervent Radiol* 1988; 11: 136
- Rose SL See Kulkarni MV
- Rose TH See Fong KW
- Rose V See Koren G
- Rose WS See Ginsberg F
- Rosebrough SF See Grossman ZD
- Rosebrough SF; Grossman ZD; McAfee JG; et al: thrombus imaging with indium-111 and iodine-131-labeled fibrin-specific monoclonal antibody and its Fab₂; and Fab fragments. *J Nucl Med* 1988; 29: 1212
- Rosebrough SF; Grossman ZD; McAfee JG; Kudryk BJ; Subramanian G; Ritter-Hrncirik CA; Witanowski LS; Tillapaugh-Fay G; Urrutia E: aged venous thrombi: radioimmunoimaging with fibrin-specific monoclonal antibody. *Radiology* 1987; 162: 575
- Rosel PR See Wasserman NF
- Rosel PW See Smith TP
- Roselló R See Lomeña F
- Rosemurgy A See Quinn SF
- Rosen A See Im J-G
- Rosen B See Dinmore RE
- Rosen BR See Buxton RB
- Rosen BR See McFarland EW
- Rosen BR See Meuli RA
- Rosen BR See Villringer A
- Rosen BR See Wedeen VJ
- Rosen BR See Wismer GL
- Rosen BR; Fleming DM; Kushner DC; Zener KS; Buxton RB; Bennet WP; Wismer GL; Brady TJ: hematologic bone marrow disorders: quantitative chemical shift MR imaging. *Radiology* 1988; 169: 799
- Rosen G See Garty I
- Rosen G See Mirra JM
- Rosen GM See Keana JFW
- Rosen GM; Griffith LK; Brown MA; Drayer BP: intrathecal administration of nitrooxides as potential contrast agents for MR imaging. *Radiology* 1987; 163: 239
- Rosen I; Gordon W Jr; Loyd M: surface mold using iridium-192 seeds. *Int J Radiat Oncol Biol Phys* 1986; 12: 2203
- Rosen IE See Arenson AM
- Rosen JM See Smith R
- Rosen JM; Binkert BL; Seidlin DW; et al: scintigraphic criteria for the diagnosis of renal arteriovenous fistulas. *Clin Nucl Med* 1986; 11: 847
- Rosen JM; Braman SS; Hasan FM; et al: nontraumatic fat embolization: a rare cause of new pulmonary infiltrates in an immunocompromised patient. (ab). *Radiology* 1987; 163: 588
- Rosen JM; MacLaughlin WW; Jaffe RM: resolution of a photopenic lesion on bone imaging following chemotherapy for metastatic disease. *Clin Nucl Med* 1987; 12: 552
- Rosen JM; Palestro CJ; Markowitz D; et al: significance of single ventilation/perfusion mismatches in krypton-81m/technetium-99m lung scintigraphy. *J Nucl Med* 1986; 27: 361
- Rosen PB See Cote RJ
- Rosen TP: mucocoele-like tumors of the breast. (ab). *Radiology* 1987; 162: 885
- Rosen PR See Kuruc A
- Rosen RJ See Spies JB
- Rosen RJ: new catheter for selective and superselective angiography. *Cardiovasc Intervent Radiol* 1986; 9: 49
- Rosen RS See Radin DR
- Rosen ST See Zimmer AM
- Rosenau W See Revel D
- Rosenbach D See Grant EG
- Rosenbaum AE See Goldberg AL
- Rosenbaum AE See Kumar AJ
- Rosenbaum AE See Wang H
- Rosenbaum AE See Zinreich SJ
- Rosenbaum DM See Blumhagen JD
- Rosenbaum DM; Blumhagen JD: sonographic recognition of idiopathic arterial calcification of infancy. *AJR* 1986; 146: 249
- Rosenbaum DM; Blumhagen JD; King HA: atlantooccipital instability in Down syndrome. *AJR* 1986; 146: 1269
- Rosenbaum RC See Austin CB
- Rosenbaum RC See Reddin A
- Rosenbaum RC See Tobin KD
- Rosenbaum RC; Johnston GS: posttraumatic cardiac dysfunction: assessment with radionuclide ventriculography. *Radiology* 1986; 160: 91
- Rosenbaum RC; Johnston GS; Valente WA: frequency of hepatic visualization during I-131 imaging for metastatic thyroid carcinoma. *Clin Nucl Med* 1988; 13: 657
- Rosenbaum RC; Johnston GS; Whitley NO: scintigraphic detection of occult hemorrhage in a patient receiving anticoagulants. *J Nucl Med* 1986; 27: 223
- Rosenberg AL; Schwartz GF; Feig SA; Patchefsky AS: clinically occult breast lesions: localization and significance. *Radiology* 1987; 162: 167
- Rosenberg H See Whiteman MS
- Rosenberg HK See Caro PA
- Rosenberg HK See Finkelstein MS
- Rosenberg HK See Kremer SM
- Rosenberg HK: complementary roles of ultrasound and plain film radiography in differentiating pediatric chest abnormalities. *Radiographics* 1986; 6: 427
- Rosenberg HK; Sherman NH; Tarry WF; Duckett JW; Snyder HM: Mayer-Rokitansky-Kuster-Hauser syndrome: US aid to diagnosis. *Radiology* 1986; 161: 815
- Rosenberg JC See Chervenak FA
- Rosenberg JC; Chervenak FA; Walker BA; et al: antenatal sonographic appearance of omphaloenteric duct cyst. *J Ultrasound Med* 1986; 5: 719
- Rosenberg K See Duerinckx A
- Rosenberg LH See Smith AS
- Rosenberg PM See Fischer HW
- Rosenberg PN See Krohel GB
- Rosenberg RD See Kelsey CA
- Rosenberg RJ See Ginsberg F
- Rosenberg RJ See Mack JM
- Rosenberg ZS See Feldman F
- Rosenberg ZS See Singson RD
- Rosenberg ZS; Cheung Y; Jahss MH; Noto AM; Norman A; Leeds NE: rupture of posterior tibial tendon: CT and MR imaging with surgical correlation. *Radiology* 1988; 169: 229
- Rosenberg ZS; Feldman F; Singson RD: intra-articular calcaneal fractures: computed tomographic analysis. *Skeletal Radiol* 1987; 16: 105
- Rosenberg ZS; Feldman F; Singson RD: peroneal tendon injuries: CT analysis. *Radiology* 1986; 161: 743
- Rosenberg ZS; Feldman F; Singson RD; et al: peroneal tendon injury associated with calcaneal fractures: CT findings. *AJR* 1987; 149: 125
- Rosenberg ZS; Feldman F; Singson RD; Kane R: ankle tendons: evaluation with CT. *Radiology* 1988; 166: 221
- Rosenberg ZS; Jahss MH; Noto AM; Shereff MJ; Cheung Y; Frey CC; Norman A: rupture of the posterior tibial tendon: CT and surgical findings. *Radiology* 1988; 167: 489
- Rosenberg ZS; Shankman S; Klein M; et al: chronic recurrent multifocal osteomyelitis. *AJR* 1988; 151: 142
- Rosenberger A See Adler OB
- Rosenblatt B See Paltiel HJ
- Rosenblatt R See Kutcher R
- Rosenbloom M See Eisen HJ
- Rosenbloom S See Levy RM
- Rosenblum J; Youssefzadeh DK; Ramilo JL: skull radiography in infants: potential hazards of the use of head clamps. *Radiology* 1986; 161: 367
- Rosenblum JS See Gatenby RA
- Rosenblum MG See Murray JL
- Rosenberg M; Mortenson W: validity of radiographic assessment of childhood transient synovitis of the hip. *Acta Radiol* 1986; 27: 85
- Rosenbusch G See Heystraten FM
- Rosenbusch G See Lenders JWM
- Rosenbusch G See Puijlaert CBA
- Rosenbusch GJE See Mali WPTM
- Rosendorf LL See Engelstad BL
- Rosenfeld M See Ghahremani GG
- Rosenfeld M See Rochester D
- Rosenfeld AT See Blair D
- Rosenfeld AT See Falkoff GE
- Rosenfeld AT See Kier R
- Rosenfeld AT See Piccirilli M
- Rosenfeld AT See Rigby CM
- Rosenfeld AT See Vick CW
- Rosenfeld AT See Warshaw DM
- Rosenfeld AT See Weiss RM
- Rosenfeld AT See Zeman RK
- Rosenfeld NS See Garcia C
- Rosenfeld NS See Keller MS
- Rosenfeld NS See Kier R
- Rosenfeld NS See Lewin JS
- Rosenfeld NS See Markowitz RI
- Rosenfeld NS; Lennidas JC; Barwick KW: aggressive neuroblastoma simulating Wilms tumor. *Radiology* 1988; 166: 165
- Rosenman J See Sherouse GW
- Rosenman J See Varia M
- Rosenman J; Churchill CA; Mauro MA; et al: role of computed tomography in the evaluation of postmastectomy locally recurrent breast cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 57
- Rosenman JG See Halle JS
- Rosenquist CJ: usefulness of diagnostic tests. *AJR* 1988; 150: 1189
- Rosenstein RB See Hughes KS
- Rosenthal A See Fraumuff AA
- Rosenthal D; Ellison RG Jr; Clark MD; et al: carotid artery aneurysm diagnosed by duplex scanning. *ICU* 1986; 14: 732
- Rosenthal D; Gershon CR; Rudderman R: renal cell carcinoma invading the inferior vena cava: use of the Greenfield filter to prevent tumor emboli during nephrectomy. (ab). *Radiology* 1986; 158: 569
- Rosenthal DI See Brown KT
- Rosenthal DI See Goodsitt MM
- Rosenthal DI See Hayes CW
- Rosenthal DI See Kattapuram SV
- Rosenthal DI See Raymond AK
- Rosenthal DI See Stafford SA
- Rosenthal DI; Scott JA; Brady TJ: magnetic resonance imaging of the extremities. *Cardiovasc Intervent Radiol* 1986; 9: 377
- Rosenthal DS See Tumehe SS
- Rosenthal LE See Farman J
- Rosenthal M See Deyo RA
- Rosenthal L See Charron M
- Rosenthal L See Gianfale D
- Rosenthal L See Herba MJ
- Rosenthal L: radiophosphate visualization of the foreign body reaction to wear debris from total knee prosthesis. *J Nucl Med* 1987; 28: 915
- Rosenthal L; Burke DL: radionuclide and radiographic diagnosis of sternocostoclavicular hyperostosis. *Clin Nucl Med* 1986; 11: 322
- Rosenthal L; Lepanto L; Raymond F: radiophosphate uptake in asymptomatic knee arthroplasty. *J Nucl Med* 1987; 28: 1546
- Rosenthal L; Rush C: radiophosphate disclosure of subperiosteal bone formation in renal osteodystrophy. *J Nucl Med* 1986; 27: 1572
- Rosman NF See Herskowitz J
- Rosner NH; Doris PE: diagnosis of femoropopliteal venous thrombosis: comparison of duplex sonography and plethysmography. *AJR* 1988; 150: 623
- Rosner NH; Doris PE: persistent plaque following successful angioplasty: demonstration by Doppler duplex. *J Ultrasound Med* 1986; 5: 107

- Rosner NH; Doris PE; Singh RR: cerebral cysticercosis: demonstration by intraoperative neurosonography. *J Ultrasound Med* 1987; 6: 623
- Ross B; Helander JT; Cox JJ; et al: osteosarcoma and other neoplasms of bone: magnetic resonance spectroscopy to monitor therapy. (ab). *Radiology* 1988; 167: 589
- Ross BD See Cox JJ
- Ross BD; Higgins RJ; Boggan JE; et al: ³¹P NMR spectroscopy of the *in vivo* metabolism of an intracerebral glioma in the rat. *Magn Res Med* 1988; 4: 403
- Ross BD; Higgins RJ; Conley FK; et al: ³¹P NMR spectroscopy of an experimentally induced intracerebral tumor in mice. *Magn Res Med* 1987; 4: 323
- Ross D See Garrett P
- Ross DA See Olsen WL
- Ross DB See Renner WD
- Ross ED See Bonte FJ
- Ross GJ; Violi L; Barber LW; Vujic I: popliteal venous aneurysm. *Radiology* 1988; 168: 721
- Ross JC See Izdebski K
- Ross JL See Cremin BJ
- Ross JS See Berns DH
- Ross JS See Bundschuh CV
- Ross JS See Hueftle MG
- Ross JS See Masaryk TJ
- Ross JS See Modic MT
- Ross JS See O'Donovan PB
- Ross JS: thoracic disk herniation: MR imaging: reply. *Radiology* 1988; 167: 875
- Ross JS; Masaryk TJ; Modic MT; et al: MR imaging of lumbar arachnoiditis. *AJNR* 1987; 8: 885
- Ross JS; Masaryk TJ; Modic MT: postoperative cervical spine: MR assessment. *JCAT* 1987; 11: 955
- Ross JS; Masaryk TJ; Modic MT; Bohlman H; Delamater R; Wilber G: lumbar spine: postoperative assessment with surface-coil MR imaging. *Radiology* 1987; 164: 851
- Ross JS; Masaryk TJ; Modic MT; Carter JR; Mapstone T; Dengel FH: vertebral hemangiomas: MR imaging. *Radiology* 1987; 165: 163
- Ross JS; Modic MT; Masaryk TJ; et al: postoperative lumbar spine. *Semin Roentgenol* 1988; 23: 125
- Ross JS; O'Donovan PB; Faubert DM: tracheobronchial tree and pulmonary arteries: MR imaging using electronic axial rotation. *Radiology* 1986; 160: 839
- Ross JS; Perez-Reyes N; Masaryk TJ; Bohlman H; Modic MT: thoracic disk herniation: MR imaging. *Radiology* 1987; 165: 511
- Ross M See Duchin KL
- Ross P See Edmonds PD
- Ross PD; Wanich RD; Vogel JM: precision error in dual-photon absorptiometry related to source age. *Radiology* 1988; 166: 523
- Ross SDK See Hindman BW
- Ross WM See Glick SN
- Ross WM: whither radiotherapy. *Clin Radiol* 1987; 38: 107
- Ross-Ascuitto NT See Ascuitto RJ
- Rossavik IK See Deter RL
- Rossavik IK; Deter RL; Hadlock FP: mathematical modeling of fetal growth. III. evaluation of head growth using the head profile area. *JCU* 1987; 15: 23
- Rossavik IK; Deter RL; Hadlock FP: mathematical modeling of fetal growth. IV. evaluation of trunk growth using the abdominal profile area. *JCU* 1987; 15: 31
- Rossavik IK; Deter RL; Wassentrup N: mathematical modeling of fetal growth: V. fetal weight changes at term. *JCU* 1988; 16: 9
- Ross-Duggan JW See LePage JR
- Rossen B; Larsen NO; Just S: chest radiography after minor chest trauma. *Acta Radiol* 1987; 28: 53
- Rosel D See Gerard G
- Rosel D See Shabas D
- Rosel J-F; Chappard S; Alexandre C; et al: B cell malignancies presenting with unusual bone involvement and mimicking multiple myeloma: study of nine cases. (ab). *Radiology* 1988; 166: 589
- Rossi P See De Maria M
- Rossi P; Francane A; Martini S; et al: multiple imaging modalities in a case of hibernoma. *Eur J Radiol* 1988; 8: 125
- Rossi P; Pavone F; Castrucci M; et al: iopamidol 150 in intra-arterial digital angiography of the peripheral vasculature: a comparative study. *Eur J Radiol* 1988; 8: 85
- Rossi RP; Williams C; Gill D: modification of an automatic exposure control system for mammography to accommodate multiple-speed, screen-film systems. *AJR* 1988; 151: 685
- Rossleigh MA See Southree AE
- Rossleigh MA; Smith J; Straus DJ; et al: osteonecrosis in patients with malignant lymphoma: a review of 31 cases. (ab). *Radiology* 1987; 163: 293
- Rossleigh MA; Smith J; Yeh SD; et al: photopenic lesion in osteosarcoma. *Br J Radiol* 1987; 60: 497
- Rossleigh MA; Smith J; Yeh SD: scintigraphic features of primary sacral tumors. *J Nucl Med* 1986; 27: 627
- Rossmann MD See Aronchik JM
- Rossmann MD; Friedman AC; Radecki PD; et al: MR imaging of gallbladder carcinoma. *AJR* 1987; 148: 143
- Rosner A See Herrera A
- Rosnick SL See Gohagan JK
- Rosso J See Meignan M
- Rosso J See Musset D
- Rosso J See Picard C
- Rostain A See Mahboubi S
- Rostand SG See Sanders C
- Rostock RA See Fishman EK
- Rostock RA See Gallagher MJ
- Rostock RA See Klein JL
- Rostom AY; El-Sayed ME: fat necrosis of the breast: unusual complication of lumpectomy and radiotherapy in breast cancer. *Clin Radiol* 1987; 38: 31
- Rostom AY; Pradhan DG; White WF: once weekly irradiation in breast cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 551
- Roth JA See Ognibene FP
- Roth JP See Pernes JM
- Roth M: cranio-cervical growth collision: another explanation of the Arnold-Chiari malformation and of basilar impression. *Neuroradiol* 1986; 28: 187
- Roth RA See Beckmann CF
- Rothbart RM See Kelly TA
- Rothberg R See Goldfinger M
- Rothberg R See Stoll S
- Rothberg R; Noyek AM; Freeman JL; et al: thyroid cartilage imaging with diagnostic ultrasound: correlative studies. (ab). *Radiology* 1987; 163: 294
- Rothel AJ; Young JWR; Keramati B: value of glucagon in routine barium investigations of the gastrointestinal tract. *Invest Radiol* 1987; 22: 786
- Rothenberg DM; Brandt TD; D'Cruz I: computed tomography of renal angiomyolipoma presenting as right atrial mass. *JCAT* 1986; 10: 1054
- Rothendler JA; Schick EC; Leppo J; et al: diagnosis of pericardial effusions from routine gated blood-pool imaging. *J Nucl Med* 1987; 28: 1419
- Rothfus W See Wilberger JE Jr
- Rothfus WE See Abia AA
- Rothfus WE See Daffner RH
- Rothfus WE See Deeb ZL
- Rothfus WE See Goldberg AL
- Rothfus WE; Chedid MK; Deeb ZL; et al: MR imaging in the diagnosis of spontaneous spinal epidural hematomas. *JCAT* 1987; 11: 851
- Rothfus WE; Deeb ZL; Daffner RH; et al: head-hanging CT: alternative method for evaluating traumatic CSF rhinorrhea. *AJNR* 1987; 8: 155
- Rothfus WE; Goldberg AL; Tabas JH; et al: callosomarginal infarction secondary to transfacial herniation. *AJNR* 1987; 8: 1073
- Rothfus WE; Hirsch WL; Latchaw RE; et al: neuroradiologic aspects of pediatric orthotopic liver transplantation. *AJNR* 1988; 9: 303
- Rothfus WE; Hirsch WL; Malatack JJ; et al: improvement of cerebral CT abnormalities following liver transplantation in a patient with Wilson disease. *JCAT* 1988; 12: 138
- Rothley JM See Koeppel RA
- Rothman BJ See Brachman MB
- Rothman RH See Garfin SR
- Rothman SLG; Chafetz N; Rhodes ML; Schwarz MS: CT in the preoperative assessment of the mandible and maxilla for endosseous implant surgery: work in progress. *Radiology* 1988; 168: 171
- Rothrock JF See Brown JJ
- Rothrock JF; Wallick P; Swenson MR; et al: migrainous stroke. (ab). *Radiology* 1988; 167: 887
- Rothschild PA See Jackson VP
- Rothschild PA; Tarver RD; Boyko OB; et al: MR diagnosis of herniation of the left ventricle through a pericardial window. *Comput Radiol* 1987; 11: 15
- Rothstein FC See Yulish BS
- Rothstein SG See Holliday RA
- Rothwell CI; Forbes WSC; Gupta SC: computed tomographic myelography in the investigation of childhood scoliosis and spinal dysraphism. *Br J Radiol* 1987; 60: 1197
- Rotkovská D; Vacek A; Bartončíková A: effects of microwaves on the colony-forming capacity of haemopoietic stem cells in mice. *Acta Oncol* 1987; 26: 233
- Rotman M See Bosworth JL
- Rotman M See Carrasquillo JA
- Rotman M; Kuruvilla AM; Choi K; et al: response of colo-rectal hepatic metastases to concomitant radiotherapy and intravenous infusion 5 fluorouracil. *Int J Radiat Oncol Biol Phys* 1986; 12: 2179
- Rotman M; Pilepich M: genito-urinary sites. *Int J Radiat Oncol Biol Phys* 1988; 14: 5159
- Rotondo A; Grassi R; Smalino F; et al: calcified gastric cancer: report of a case and review of literature. *Br J Radiol* 1986; 59: 405
- Rotstein S; Blomgren H; Baral E; et al: incidence of infectious symptoms after radiation therapy for breast cancer: long-term effects. *Acta Oncol* 1987; 26: 197
- Rotte KH; Schmidt-Peter P; Kriedemann E: CT evaluation of osseous tumors. *Eur J Radiol* 1986; 6: 5
- Rottem S See Timor-Tritsch IE
- Rottenberg DA See Felli AL
- Rouanet JP See Lamarque JL
- Rouanet JP See Ovtchinnikov S
- Roubin GS See Leimgruber PP
- Roubin GS; Gruntzig AR; Casarella WJ: percutaneous coronary angioplasty: technique, indications, and results. *Cardiovasc Intervent Radiol* 1986; 9: 261
- Roukema JG See Wilmsink JT
- Roulot D; Valla D; Brun-Vezinet F; et al: cholangitis in the acquired immunodeficiency syndrome: report of two cases and review of the literature. (ab). *Radiology* 1988; 168: 291
- Round ME See Hayman LA
- Rounsaville MC; Green JP; Vaeth JM; et al: prostatic carcinoma: limited field irradiation. *Int J Radiat Oncol Biol Phys* 1987; 13: 1013
- Rouse GA; Kaminsky CK; Saaty HP; Grube GL; Fritzsche PJ: current concepts in sonographic diagnosis of fetal renal disease. *Radiographics* 1988; 8: 119
- Rousseau G; Shih W-J: bone marrow visualization during technetium-99m DTPA renal imaging in septicemia and disseminated intravascular coagulation. *Clin Nucl Med* 1987; 12: 958
- Rousseau H See Puech JL
- Rousseau H; Puel J; Joffe F; Sigwart U; Dubouché C; Imbert C; Knight C; Kropf L; Wallsten H: self-expanding endovascular prosthesis: an experimental study. *Radiology* 1987; 164: 709
- Rousseau M See Mathieu D
- Rousseau MF; Wynn W; Hammer F; et al: changes in coronary blood flow and myocardial metabolism during aortic balloon valvuloplasty. (ab). *Radiology* 1988; 169: 884
- Rousseau O See Jequier S
- Roussay M See Journel H
- Roux P See Bruneton JN
- Rovira A See Litvan I
- Rovira M See Abellé R
- Rovira M See Romero FJ
- Rowan AN: research protocol design and laboratory animal research. *Invest Radiol* 1987; 22: 615
- Rowe DM; Becker GJ; Scott JA; et al: right subclavian steal associated with aberrant right subclavian artery. *AJNR* 1988; 9: 604
- Rowe LE See Shearer DR
- Rowe WT See Jordan JM
- Rowell K See Russell CD
- Rowell KJ See Russell CD
- Rowen SJ See Cohen AJ
- Rowen SJ; Gyepes MT: "trumpeting elephant" sign of gastroesophageal reflux. *Radiology* 1988; 167: 138
- Rowland DM; Geagan MB; Paul DA: sonographic demonstration of combined quadruplet gestation, with viable ectopic and concomitant intrauterine triplet pregnancies. *J Ultrasound Med* 1987; 6: 89
- Rowley KA; Hill SJ; Watkins RA; et al: investigation into the levels of radiation exposure in diagnostic examinations involving fluoroscopy. *Br J Radiol* 1987; 60: 167
- Rowley S; Downing R: breast "abscess": an unusual complication of catheterization of the subclavian vein. *Br J Radiol* 1987; 60: 773
- Roy C See Patriquin HB
- Roy CC See Garel LA
- Roy DF; Fleury J; Fontaine SB; et al: clinical evaluation of cervical facet joint infiltration. *J Canad Assoc Radiol* 1988; 39: 118
- Roy DL See Belcourt CL
- Roy LP See Howman-Giles R
- Roy OZ See Forester GV
- Roy P See Howman-Giles R
- Roy S III See Magill HL
- Roy S III See Tonkin IL
- Royal H See Fowner R
- Royal HD See Jacobson AF
- Royal HD See Parker JA
- Royal HD See Van den Abbeele AD
- Royal JE; Harris VJ; Sansi PK: facial bone infarcts in sickle cell syndromes. *Radiology* 1988; 169: 529

- Royland P See Anda S
 Roza AM See Mitchell DG
 Rozanski A; Berman DS: efficacy of cardiovascular nuclear medicine exercise studies, *Semin Nucl Med* 1987; 17: 104
 Rozenberg I; Wechsler J; Koenig F; et al: Erdheim-Chester disease presenting as malignant exophthalmos, *Br J Radiol* 1986; 59: 173
 Rozenblit G; Tarasov E; Srur MF; Neithamer CD Jr; Summers EH; Sos TA: Drury ureteral stent set: clinical experience in 25 patients, *Radiology* 1986; 160: 737
 Rozenfeld M: treatment planning with external beams: introduction and historical overview, *Radiographics* 1988; 8: 557
 Rozin RR See Inbar M
 Rozing PM See Kieft GJ
 Rozmarek H: current and future policies regarding laboratory animal welfare, *Invest Radiol* 1987; 22: 175
 Rubaltelli L See Solbiati L
 Rubaltelli L; Sponga T; Candiani F; et al: infantile recurrent sialostatic parotitis: the role of sonography and sialography in diagnosis and follow-up, *Br J Radiol* 1987; 60: 1211
 Ruben FL; Talame TS: secondary pulmonary alveolar proteinosis occurring in two patients with acquired immune deficiency syndrome, (ab), *Radiology* 1987; 162: 587
 Rubenfeld M; Wirtschaffter JD: role of medical imaging in the practice of neuro-ophthalmology, *Radiol Clin North Am* 1987; 25: 863
 Rubens D See Hornak JP
 Rubens D See Lerner RM
 Rubens D See Steiner E
 Rubens D; Thornbury JR; Angel C; et al: stage IB cervical carcinoma: comparison of clinical, MR, and pathologic staging, *AJR* 1988; 150: 135
 Rubens RD See Coleman RE
 Rubenstein DJ; Ghelman B: case report 477, *Skeletal Radiol* 1988; 17: 212
 Rubenstein J: bent screw: sign of postoperative recurrent dislocation, *J Canad Assoc Radiol* 1987; 38: 20
 Rubenstein JB See Swayne LC
 Rubenstein JB; Swayne LC; Dine CA; et al: placental changes in fetal triploidy syndrome, *J Ultrasound Med* 1986; 5: 545
 Rubenstein JD See Fam AG
 Rubenstein JD See Howard BA
 Rubenstein JD See Pui MH
 Rubenstein JD See Samuels TS
 Rubenstein JH See Moldofsky PJ
 Rubenstein JH; Richter MP; Moldofsky PJ; et al: prospective prediction of post-radiation therapy lung function using quantitative lung scans and pulmonary function testing, *Int J Radiat Oncol Biol Phys* 1988; 15: 83
 Rubenstein WA See Auh YH
 Rubenstein WA See Kneeland JB
 Rubenstein WA See Zinzinsky K
 Rubenstein WA; Gray G; Auh YH; et al: CT of fibrous tissues and tumors with sonographic correlation, *AJR* 1986; 147: 1067
 Rubenstein WA; Whalen JP: extraperitoneal spaces, *AJR* 1986; 147: 1162
 Rubesin SE See Jones B
 Rubesin SE See Levine MS
 Rubesin SE See Orel SG
 Rubesin SE See Rumerman J
 Rubesin SE; Herlinger H: effect of barium suspension viscosity on the delineation of areae gastricae, *AJR* 1986; 146: 35
 Rubesin SE; Jessurun J; Robertson D; Jones B; Bosma JF; Donner MW: lines of the pharynx, *Radiographics* 1987; 7: 217
 Rubesin SE; Jones B; Donner MW: contrast pharyngography: importance of phonation, *AJR* 1987; 148: 269
 Rubesin SE; Kennedy M; Levine MS; Rosato EF; Laufer I: distal esophageal ballooning following Heller myotomy, *Radiology* 1988; 167: 345
 Rubesin SE; Levine MS; Glick SN: gastric involvement by omental cakes: radiographic findings, *Gastrointest Radiol* 1986; 11: 223
 Rubesin SE; Levine MS; Laufer I; Herlinger H: villous adenomas: the scientific and the practical, *Radiology* 1988; 167: 869
 Rubesin SE; Rabichong P; Bilaniuk LT; Laufer I; Levine MS: contrast examination of the soft palate with cross sectional correlation, *Radiographics* 1988; 8: 641
 Rubin CME; Fairhurst JJ: life-threatening haemorrhage from typhoid fever, *Br J Radiol* 1988; 61: 415
 Rubin CME; Ogilvie BC; Keeton BR: comparison of low-osmolar contrast media in paediatric cardiac angiography, *Br J Radiol* 1987; 60: 133
 Rubin DI; Kido DK; Morita TW; et al: effect of multiple intravenous injections of diatrizoate on iodine concentrations and osmolality: experimental study in rabbits, *Invest Radiol* 1987; 22: 223
 Rubin DL; Blank N: rapid pulmonary dissemination in mycosis fungoides simulating pneumonia. case report and review of the literature, (ab), *Radiology* 1986; 158: 565
 Rubin E See Sanders C
 Rubin G: altered anterior axillary fold in radical mastectomy still present after breast reconstruction, *Br J Radiol* 1986; 59: 178
 Rubin G; Fitzsimons PJ: ultrasound used to detect a stone in the vesico-ureteric junction during pregnancy, *Br J Radiol* 1986; 59: 1044
 Rubin IL See Singer SJ
 Rubin JB See Enzmann DR
 Rubin JB; Enzmann DR: harmonic modulation of proton MR precessional phase by pulsatile motion: origin of spinal CSF flow phenomena, *AJNR* 1987; 8: 307
 Rubin JB; Enzmann DR: imaging of spinal CSF pulsation by 2DFT MR: significance during clinical imaging, *AJNR* 1987; 8: 297
 Rubin JB; Enzmann DR: optimizing conventional MR imaging of the spine, *Radiology* 1987; 163: 777
 Rubin JB; Enzmann DR; Wright A: CSF-gated MR imaging of the spine: theory and clinical implementation, *Radiology* 1987; 163: 784
 Rubin JB; Wright A; Enzmann DR: lumbar spine: motion compensation for cerebrospinal fluid on MR imaging, *Radiology* 1988; 167: 225
 Rubin JJ; Arger PH; Pollack HM; Banner MP; Coleman BG; Mintz MC; VanArndalen KN: kidney changes after extracorporeal shock wave lithotripsy: CT evaluation, *Radiology* 1987; 162: 21
 Rubin JJ; Gomori JM; Grossman RI; et al: high-field MR imaging of extracranial hematomas, *AJR* 1987; 148: 813
 Rubin JM See Adler RS
 Rubin JM See Alperin MB
 Rubin JM See Bressler EL
 Rubin JM See DiPietro MA
 Rubin JM See Helvie MA
 Rubin JM See Platt JF
 Rubin JM; Aisen AM; DiPietro MA: ambiguities in MR imaging of tumoral cysts in the spinal cord, *JCAT* 1986; 10: 395
 Rubin JM; Carson PL; Zlotnick RA; et al: visualization of tumor vascularity in a rabbit VX2 carcinoma by Doppler flow mapping, *J Ultrasound Med* 1987; 6: 113
 Rubin JM; DiPietro MA; Chandler WF; et al: spinal ultrasonography: intraoperative and pediatric applications, *Radiol Clin North Am* 1988; 26: 1
 Rubin JM; Knaak JE: intraoperative sonography of a spinal cord arteriovenous malformation, *AJNR* 1987; 8: 730
 Rubin JW See Kamath MV
 Rubin P See Constine LS
 Rubin P; Finkelstein JN; Siemann DW; et al: predictive biochemical assays for late radiation effects, *Int J Radiat Oncol Biol Phys* 1986; 12: 469
 Rubin P; Heilmann H-P: large field trials, *Int J Radiat Oncol Biol Phys* 1988; 14: 565
 Rubin P; McDonald S: major challenge in cancer therapy: metastasis, *J Thorac Imag* 1987; 2: 1
 Rubin P; Wasserman TH: late effects of toxicity scoring, *Int J Radiat Oncol Biol Phys* 1988; 14: 529
 Rubin P; Zagars G; Chuang C; et al: Hodgkin's disease: is there a price for successful treatment? 25-year experience, *Int J Radiat Oncol Biol Phys* 1986; 12: 153
 Rubin RH; Young LS; Hansen WP; et al: specific and nonspecific imaging of localized *Pseudomonas aeruginosa* infection with radiolabeled monoclonal antibody, *J Nucl Med* 1988; 29: 651
 Rubin SA: radiology of immunologic diseases of the lung, *J Thorac Imag* 1988; 3-2: 21
 Rubin SA; Hightower CW; Flicker S: giant right atrium after mitral valve replacement: plain film findings in 15 patients, *AJR* 1987; 149: 257
 Rubin SA; Meier RS; Schreiber MH: alumni perceptions of adequacy of training in diagnostic radiology, *Invest Radiol* 1986; 21: 492
 Rubin SZ See Mueller DL
 Rubinstein A; Morecki R; Silverman B; et al: pulmonary disease in children with acquired immune deficiency syndrome and AIDS-related complex, (ab), *Radiology* 1986; 160: 862
 Rubinstein I: expanding spectrum of pulmonary disease caused by nontuberculous mycobacteria, *Radiology* 1986; 159: 815
 Rubinstein I; Hoffstein V: pulmonary hamartoma: CT findings, *Radiology* 1987; 162: 878
 Rubinstein I; Mullen JBM; Hoffstein V: morphologic diagnosis of idiopathic pulmonary alveolar lipoproteinosis - revisited, (ab), *Radiology* 1988; 169: 586
 Rubinstein I See Sadeghi A
 Rubinstein R See Thickman D
 Rubinstein U See Fogelfeld I
 Rubinstein Z See Morag B
 Rubinstein ZJ; Morag B; Peet A; et al: percutaneous transluminal recanalization of common iliac artery occlusions, *Cardiovasc Intervent Radiol* 1987; 10: 16
 Ruchman RB; Yeh H-C; Mitty HA; et al: ultrasonographic and computed tomographic features of renal sinus lymphoma, *JCU* 1988; 16: 35
 Ruckley VA See Seaton A
 Rucknagel D See Lande JM
 Rudas G; Bors S: aortic thrombosis diagnosed by ultrasound, *Pediatr Radiol* 1988; 18: 77
 Rudavsky AZ: radionuclide angiography in the evaluation of arterial and venous grafts, *Semin Nucl Med* 1988; 18: 261
 Ruddell WSJ See Pai GR
 Rudderman R See Rosenthal D
 Ruddle NH See Mate TP
 Ruderman WB; Farmer RG: current management of inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 221
 Rudick RA See Simon JH
 Rudick RA; Jacobs L; Kinkel PR; et al: isolated idiopathic optic neuritis: analysis of free K-light chains in cerebrospinal fluid and correlation with nuclear magnetic resonance findings, (ab), *Radiology* 1986; 160: 861
 Rudick RA; Schiffer RB; Schwetz KM; et al: multiple sclerosis: problem of incorrect diagnosis, (ab), *Radiology* 1986; 161: 576
 Rudin M See Sauter A
 Rudin M: MR microscopy on rats *in vivo* at 4.7 T using surface coils, *Magn Res Med* 1987; 5: 443
 Rudin M; Briner U; Doeppner W: quantitative magnetic resonance imaging of estradiol-induced pituitary hyperplasia in rats, *Magn Res Med* 1988; 7: 285
 Rudin S See Kaczmarek RG
 Rudloff MA See Gray DL
 Rudloff JC See Rudoff JM
 Rudloff JM; Astraukas LJ; Rudloff JC; et al: ultrasonographic diagnosis of septic pelvic thrombophlebitis, *J Ultrasound Med* 1988; 7: 287
 Rudrick B See McKewon DK
 Ruelle A; Macchia G; Gambini C; et al: unusual appearance of brain metastasis from adenocarcinoma of colon, *Neuroradiol* 1986; 28: 375
 Ruessel FW See Jolesz FA
 Ruessel FW See Sandor T
 Rufenacht D See Aymard A
 Rufenacht D See Laurent A
 Rufenacht D-A; Merland J-J: new and original microcatheter system for hypersensitive catheterization and endovascular treatment without risk of arterial rupture, *J Neuroradiol* 1986; 13: 44
 Rufenacht D-A; Merland J-J; Guimaraes L; et al: simple propulsion-chamber-system for the 16 gauge approach, *Neuroradiol* 1986; 28: 355
 Ruff RJ; Chuang VP; Alpaugh JP; Casarella WJ; Tuten TU; Gaylord GM: percutaneous vascular intervention after surgical shunting for portal hypertension, *Radiology* 1987; 164: 469
 Ruff RL See Masaryk TJ
 Ruff RL; Wiener SN; Leigh RJ: magnetic resonance imaging in patients with diplopia: review, *Invest Radiol* 1986; 21: 311
 Ruffin P See Richardson S
 Ruggieri J See Masson RG
 Ruggieri P See Capanna R
 Ruggieri P See Gillespie T III
 Ruggieri P; Biagini R; Pisci P: case report 437, *Skeletal Radiol* 1987; 16: 493
 Ruggiero G See Frank F
 Ruggiero R; Bandieramonte G; De Marinis P; et al: prognostic criteria in anoxic-hemorrhagic disease, *J Neuroradiol* 1987; 14: 223
 Ruggiero R; Mongini T; Colangelo M; et al: brain malformation associated with neural tube defects: report of three cases of partial agenesis of the corpus callosum and myelomeningocele, *J Neuroradiol* 1987; 14: 287
 Rugh KS See Genex BM
 Ruijs JHJ See Barentsz JO
 Ruijs SHJ See Barentsz JO
 Rulin MC; Preston AL: adnexal masses in postmenopausal women, (ab), *Radiology* 1988; 166: 910
 Rulot CM See Ryan KP
 Rumack CM See Pretorius DH
 Rumack CM See Stamm ER
 Rumancik WM See Chetmar JL
 Rumancik WM See Naidich DP
 Rumancik WM; Naidich DP; Chandra R; Kowalski HM; McCaskey DI; Megibow AJ; Hernanz-Schulman M; Genieser NB: cardiovascular disease: evaluation with MR phase imaging, *Radiology* 1988; 166: 63

Rumbaugh

- Rumbaugh CL See Wang A-M
 Rumberger J See Stanford W
 Rumberger JA See Rees MR
 Rumberman J; Rubenstein SE; Levine MS; et al: gastric ulceration caused by heater probe coagulation. *Gastrointest Radiol* 1988; 13: 200
 Rumley S See Lear JL
 Rummens E See Hainsquinet S
 Rummeny EJ See Weissleder R
 Runciman WB See Skowronski GA
 Runge M See Dietemann JL
 Runge VM See Price AC
 Runge VM See Wolpert SM
 Runge VM See Wood ML
 Runge VM; Jacobson S; Wood ML; Kaufman D; Adelman LS: MR imaging of rat brain glioma: Gd-DTPA versus Gd-DOTA. *Radiology* 1988; 166: 835
 Runge VM; Price AC; Kinshner HS; Allen JH; Partain CL; James AE Jr: evaluation of multiple sclerosis by magnetic resonance imaging. *Radiographics* 1986; 6: 203
 Runge VM; Schaible TF; Goldstein HA; Wood ML; Houghton VM; Maravilla KR; Weinstein MA; Price AC; Wolpert SM; Kaufman DM: Gd DTPA: clinical efficacy. *Radiographics* 1988; 8: 147
 Runge VM; Wood ML: fast imaging and other motion artifact reduction schemes: a pictorial overview. *Magn Res Imag* 1988; 6: 595
 Runge VM; Wood ML; Kaufman DM; Nelson KL; Traill MR: FLASH: clinical three-dimensional magnetic resonance imaging. *Radiographics* 1988; 8: 947
 Runge VM; Wood ML; Kaufman DM; Price AC: Gd DTPA: future applications with advanced imaging techniques. *Radiographics* 1988; 8: 161
 Runge VM; Wood ML; Kaufman DM; Silver MS: MR imaging section profile optimization: improved contrast and detection of lesions. *Radiology* 1988; 167: 831
 Runge VM; Wood ML; Kaufman DM; Traill MR; Nelson KL: straight and narrow path to good head and spine MRI. *Radiographics* 1988; 8: 507
 Ranyan BA; Hoefs JC: peritoneal lymphomatosis with ascites: characterization. (ab). *Radiology* 1986; 161: 282
 Rao GY: radiographic diagnosis of fracture-separation of the entire distal humeral epiphysis. *Clin Radiol* 1987; 38: 635
 Rupp N See Anacker H
 Rupp N See Reiser M
 Rupp SB See Jolles H
 Ruppel M See Sommerkamp H
 Ruscalleda J See Campistol J
 Ruscalleda J See Manelife C
 Ruscalleda J; Peiro A: prognostic factors in intraparenchymatous hematoma with ventricular hemorrhage. *Neuroradiol* 1986; 28: 34
 Ruscazio M See Meloni L
 Rusch O: diagnostik in der kardiologie und angiologie (diagnosis in cardiology and vascular diseases). *Radiology* 1987; 162: 90
 Rusch O: diagnostik und differentialdiagnostik der mammavaskulosen (diagnosis and differential diagnosis of breast calcifications). *Radiology* 1987; 165: 94
 Rusch O: phlebographie der bein- und beckenvenen (venography of the lower extremities and pelvis). 3d ed. *Radiology* 1986; 160: 118
 Ruszkowski M See Hnatowich DJ
 Rush BH; Branson RT; Ogden JA: Legg-Calve-Perthes disease: detection of cartilaginous and synovial changes with MR imaging. *Radiology* 1988; 167: 473
 Rush C See Rosenthal L
 Rush C; Stern J: gallium-67 SPECT imaging in hepatocellular carcinoma. *Clin Nucl Med* 1988; 13: 535
 Rush CL See Liebana R
 Rush M; Thomas M; Zyffoff J; et al: duplex scanning with continuous wave Doppler for carotid disease. (ab). *Radiology* 1986; 159: 575
 Rush FJ; Wilmet D; Shore A: hydroxyapatite deposition disease presenting as calcific periarthritis in a 14-year-old girl. *Pediatr Radiol* 1986; 16: 169
 Rush S See Cooper JS
 Rushkin E See Neuman M
 Rushton DI; Preston FR; Durbin GM: structure and evolution of echo-dense lesions in the neonatal brain: combined ultrasound and necropsy study. (ab). *Radiology* 1986; 160: 287
 Ruskin JA See Wells RG
 Ruskin JA; Gurney JW; Thorsen MK; et al: detection of pleural effusions on supine chest radiographs. *AJR* 1987; 148: 681
 Ruskin JD See Kaplan PA
 Russ GA: nuclear pharmacology: introduction to the clinical application of radiopharmaceuticals. *Radiology* 1987; 162: 52
 Russ GA: radiopharmacy and radiopharmacology yearbook 1. *Radiology* 1986; 160: 328
 Russ PD See Bair JH
 Russ PD See Geis JR
 Russ PD See Hayden SA
 Russ PD See Pretorius DH
 Russ PD; Friefeld GD; Nauck CJ; et al: infarcted Meckel diverticulum detected by CT. *AJR* 1988; 150: 299
 Russ PD; Pretorius DH; Manco-Johnson ML; et al: fetal spine. *Neuroradiol* 1986; 28: 398
 Russ PD; Way DE; Pretorius DH; et al: posttransplant lymphoma: sonographic characteristics of renal allograft involvement. *J Ultrasound Med* 1987; 6: 453
 Russ PD; Zavitz WR; Pretorius DH; et al: hydrometrocolpos, uterus didelphys, and septate vagina: antenatal sonographic diagnosis. *J Ultrasound Med* 1986; 5: 211
 Russell AH See Schoencker SA
 Russell AH; Jones DC; Russell KJ; et al: high dose para-aortic lymph node irradiation for gynecologic cancer: technique, toxicity, and results. *Int J Radiat Oncol Biol Phys* 1987; 13: 267
 Russell AS See Lentle BC
 Russell CD See Dubovsky EV
 Russell CD; Blachoff PG; Rowell KL; et al: Estimation of extracellular fluid volume from plasma clearance on technetium-99m DTPA by a single-injection, two-sample method. *J Nucl Med* 1988; 29: 255
 Russell CD; Rowell K; Scott JW: quality control of technetium-99m DTPA: correlation of analytic tests with in vivo protein binding in man. *J Nucl Med* 1986; 27: 560
 Russell CD; Thorstad B; Yester MB; et al: comparison of technetium-99m MACs with iodine-131 hippuran by a simultaneous dual channel technique. *J Nucl Med* 1988; 29: 1189
 Russell COH; Whelan G: oesophageal manometry: how well does it predict oesophageal function. (ab). *Radiology* 1988; 168: 291
 Russell E See Naseem M
 Russell E; Yrizarry JM; Huber JS; Nunez D Jr; Hutson DG; Schiff E; Reddy KR; Jeffers LJ; Williams A: percutaneous transjejunal biliary dilatation: alternate management for benign strictures. *Radiology* 1986; 159: 209
 Russell EJ See Bozynski ME
 Russell EJ See Geremia GK
 Russell EJ: functional angiography of the head and neck. *AJNR* 1986; 7: 927
 Russell EJ; Geremia GK; Johnson CE; Huckman MS; Ramsey RG; Washburn-Bleck J; Turner DA; Norusis M: multiple cerebral metastases: detectability with Gd-DTPA-enhanced MR imaging. *Radiology* 1987; 165: 609
 Russell EJ; Levy JM: direct catheter redirection of a symptomatic errant intracranial Silastic sphere embolus. *Radiology* 1987; 165: 631
 Russell JGB See Bothroyd AE
 Russell JGB See Hufton AP
 Russell JGB: assessment of priorities when introducing some radiation protection methods in radiodiagnosis. *Br J Radiol* 1986; 59: 153
 Russell JGB: rise and fall of the ten-day rule. *Br J Radiol* 1986; 59: 3
 Russell JGB; Hufton AP: lead thickness in shielding in the protection of radiodiagnostic staff. *Br J Radiol* 1988; 61: 128
 Russell JGB; Webb GAM: valuing the man-sievert in X-ray diagnosis. *Br J Radiol* 1987; 60: 681
 Russell KJ See Russell AH
 Russell KJ; Boileau MA; Ireton RC; Higano CS; Collins C; Koh W-J; Griffin BR; Chapman WH; Griffin TW: transitional cell carcinoma of the urinary bladder: histologic clearance with combined 5-FU chemotherapy and radiation therapy: preliminary results of a bladder-preservation study. *Radiology* 1988; 167: 845
 Russell MA See Garza BS
 Russell MD See Biggs PJ
 Russell RCG See Rashleigh-Belcher HJC
 Russell W See Braunstein EM
 Russell WF See Henne M
 Russell WF See Morano JU
 Russell LD: hydrosalpinx and tubal torsion: late complication of tubal ligation. *Radiology* 1986; 159: 115
 Russin LD: imaging of hydrosalpinx with torsion following tubal sterilization. *Semin US CT MR* 1988; 9: 175
 Russin VI See Caroline DF
 Russo A See Kinsella TJ
 Russo A See Mitchell JB
 Russo A; Carmichael J; Friedman N; et al: roles of intracellular glutathione in antineoplastic chemotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1347
 Russo A; DeGraff W; Kinsella TJ; et al: potentiation of chemotherapy cytotoxicity following iododeoxyuridine incorporation in Chinese hamster cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1371
 Russo A; Tochner Z; Phillips T; et al: *in vivo* modulation of glutathione by buthionine sulfoximine: effect on marrow response to melphalan. *Int J Radiat Oncol Biol Phys* 1986; 12: 1187
 Rustad DG See Stolar CJH
 Rustgi AK See Parker JA
 Rustgi SN: dose distribution under external eye shields for high energy electrons. *Int J Radiat Oncol Biol Phys* 1986; 12: 141
 Rustin GJS; Minton M; Southcott B; et al: surgery, chemotherapy and whole abdominal irradiation in the management of advanced ovarian carcinoma. *Clin Radiol* 1987; 38: 269
 Ruszkowski JT See Seeger LL
 Ruszkowski JT; Damadian R; Giambalvo A; et al: MRI angiography of the carotid artery. *Magn Res Imag* 1986; 4: 497
 Rutgeerts LJ See Verbaan JJ
 Rutgers PH See Paylsart JBCM
 Ruth TJ See Adam MJ
 Ruthberg BN See Frede TE
 Rutherford GS See Birchall IWJ
 Rutherford BD See Hartzler GO
 Rutherford CL Jr See Cooner WH
 Rutherford JD; Whitlock RML; McDonald BW; et al: multivariate analysis of the long-term results of coronary artery bypass grafting performed during 1976 and 1977. (ab). *Radiology* 1987; 162: 293
 Rutherford RB; Flanagan DP; Gupta SK; et al: suggested standards for reports dealing with lower extremity ischemia. (ab). *Radiology* 1987; 163: 291
 Rutledge JC See Currarino G
 Rutledge JN See Silver AJ
 Rutledge JN; Hillal SK; Silver AJ; et al: study of movement disorders and brain iron by MR. *AJNR* 1987; 3: 397
 Rutledge PL; Warshaw AL: persistent acute pancreatitis: a variant treated by pancreatoduodenectomy. (ab). *Radiology* 1988; 169: 287
 Rutsch W; Schmutzler H: intracoronary thrombolysis: organizational prerequisites, technique, and results. *Cardiovasc Intervent Radiol* 1986; 9: 245
 Rutsky E See Kaplan PA
 Rutsky EA See Van Dyke JA
 Rutter N See Chrispis A
 Ruttman UE See Zeichner SJ
 Rutledge MST See Fitzgerald EJ
 Ruvallo KA; Filly RA; Callen PW: evaluation of fetal femur length for prediction of gestational age in a racially mixed obstetric population. *J Ultrasound Med* 1987; 6: 417
 Rwitz HT See vd Vliet AM
 Ryall CJ See Loose HW
 Ryan CA; Barrington KJ; Phillips HJ; et al: contralateral pneumothoraces in the newborn: incidence and predisposing factors. (ab). *Radiology* 1987; 165: 296
 Ryan DE See Kneeland JB
 Ryan FP See Parker LA
 Ryan JA See Freeny PC
 Ryan JW See Hatfield MK
 Ryan JW See Kahn CE Jr
 Ryan KL; Fedullo PF; Davis GB; et al: perfusion scan findings understate the severity of angiographic and hemodynamic compromise in chronic thromboembolic pulmonary hypertension. (ab). *Radiology* 1988; 169: 881
 Ryan KP; Dillman RO; DeNardo SJ; DeNardo GL; Beauregard J; Hagan PL; Amox DG; Clutter ML; Burnett KG; Rutol CM; Sobol RE; Abramson I; Bartholomew RK; Frincke JM; Birdwell CR; Carlo DJ; O'Grady LF; Halpern SE: breast cancer imaging with In-111 human IgM monoclonal antibodies: preliminary studies. *Radiology* 1988; 167: 71
 Ryan LM See Kneeland JB
 Ryan MJ See Curran JC
 Ryan RW; Lally JF; Kozic Z: asymptomatic calcified herniated thoracic disks: CT recognition. *AJNR* 1988; 9: 363
 Ryan T See Laing FC
 Ryckman FC See Mahaffey SM
 Ryden S See Bergqvist L
 Rydholm A See Pettersson H
 Rygaard H See Thomsen HS
 Rygaard J See Hansen HS
 Ryo UY See Chung SY
 Ryo UY See Shih W-J
 Rysavy J See Laerum F
 Rysavy JA See Hunter DW
 Rysavy JA See McGill JE
 Rytting JE See Hayden CK Jr
 Ryva JC See Wilbur AC
 Ryvickier MJ See Schatz SL
 Rzedzian RR See Pykett IL
 Rzedzian RR; Pykett IL: instant images of the human heart using a new, whole-body MR imaging system. *AJR* 1987; 149: 245

S

- Saad AH; Bahakim HM; Helmi A; et al: therapeutic ultrasound and the liver in vivo: action and possible mechanisms. *Ultrasound Med Biol* 1986; 12: 855
- Saad AH; Williams AR: effects of therapeutic ultrasound on the activity of the mononuclear phagocyte system in vivo. *Ultrasound Med Biol* 1986; 12: 145
- Saah AJ See Henderson DK
- Saal DK See Kaszar-Seibert DJ
- Saaty HP See Rouse GA
- Saba RM See Casola G
- Sabbagh E See Hickey NM
- Sabbagh EA See Fraser RG
- Sabbagh EA See Niklason LT
- Sabbagha RE See MacGregor SN
- Sabbah HN See Stein PD
- Sabbah R See Cumming WA
- Sabeti V See MacMahon H
- Sabri T See Mohan V
- Saccavini J-C See Chatal J-F
- Sacco DC; Steiger DA; Bellon EM; et al: artifacts caused by cosmetics in MR imaging of the head. *AJR* 1987; 148: 1001
- Sachdev HS See Snyder TC
- Sachdev VP See Som PM
- Sacher M See Lanzieri CF
- Sacher M See Som PM
- Sacher M; Som PM; Lanzieri CF; et al: malignant teratoma of the parapharyngeal space in an adult: rare lesion presenting as cervical cord compression. *CT* 1986; 10: 37
- Sacher M; Som PM; Shugar JMA; et al: kissing intracranial carotid arteries in acromegaly: CT demonstration. *JCAT* 1986; 10: 1033
- Sachs B See Hann LE
- Sachs B; See Cohen LM
- Sachs RN; Tellier P; Larmignat P; et al: assessment of diaphragmatic-thallium-201 myocardial scintigraphy for coronary risk before peripheral vascular surgery. (ab). *Radiology* 1988; 169: 291
- Sackellares JC See Latack JT
- Sackett JF See Gentry LR
- Sackett JF See Malnor MD
- Sackett JF See Turaki PA
- Sackett JF See Vydaty KH
- Sackmann M See Sauerbruch T
- Sacks D See Lane JI
- Sacks D; Banner MP; Meranze SG; Burke DR; Robinson M; McLean GK: renal and related retroperitoneal abscesses: percutaneous drainage. *Radiology* 1988; 167: 447
- Sacks D; Robinson LM: transgastric percutaneous drainage of pancreatic pseudocysts. *AJR* 1988; 151: 303
- Sacks GA See James AE Jr
- Saccharides TJ See Dwarakanathan AA
- Sadaishi S See Katagiri M
- Sadamoto K See Yamamoto Y
- Sadotsh N; Hataba H; Takahashi M; et al: oxygen-assisted breath-holding in computed tomography. *JCAT* 1987; 11: 742
- Sadekai S See Brown KT
- Sade RM See Fyfe DA
- Sade RM See Simpson WF Jr
- Sadeghi A See Tran L
- Sadeghi A; Payne D; Rubinstein L; et al: combined modality treatment for resected advanced non-small cell lung cancer: local control and local recurrence. *Int J Radiat Oncol Biol Phys* 1988; 15: 89
- Sadeghi-Nejad A See Abayomi OK
- Sadek S See Abu-Nema T
- Sadek S See Nawaz K
- Sadek SA See Abdel-Dayem HM
- Sadek SA See Erikson KS
- Sadola E: cystic lymphangioma of the jejunal mesentery in an adult. *JCU* 1987; 15: 542
- Sadoshima S See Ibayashi S
- Sadowsky NL See Robbins AH
- Sadowsky NL See Stomper PC
- Saed M See Cohan RH
- Saed M See Spritzer CE
- Saed M See Sussman SK
- Saed M; Braun SD; Cohan RH; Sussman SK; Illescas FF; Perlmutter LM; Newman GE; Dunnick NR: pulmonary angiography with iopamidol: patient comfort, image quality, and hemodynamics. *Radiology* 1987; 165: 345
- Saed M; Braun SD; Illescas FF; et al: digital intravenous subtraction angiography in the evaluation of reconstructed renal arteries. *Cardiovasc Intervent Radiol* 1987; 10: 205
- Saed M; Cohan RH; German DC; et al: vascular injury and thromboembolism in a young woman. *Invest Radiol* 1987; 22: 62
- Saed M; Newman GE; Dunnick NR: use of angioplasty balloons in the percutaneous management of biliary calculus: tandem-balloon method. *AJR* 1987; 148: 745
- Saed M; Newman GE; McCann RL; Sussman SK; Braun SD; Dunnick NR: stenoses in dialysis fistulas: treatment with percutaneous angioplasty. *Radiology* 1987; 164: 693
- Saenger EL See Kerriakes JG
- Saenger EL See Specker BL
- Safai C See Burke CM
- Saff GN See Quinn SF
- Saffer EA See Fisher B
- Saffioti S See Garibotto G
- Safian RD See Come PC
- Safrit H See Jaques FF
- Safrit HD; Manro MA; Jaques FF: percutaneous abscess drainage in Crohn's disease. *AJR* 1987; 148: 859
- Saftlas AF See Wolfe JN
- Sagalow RR; Miller CL; Wechsler RJ: pancreatic sarcoidosis mimicking pancreatic cancer. *JCU* 1988; 16: 131
- Sagar VV See Wise PA
- Sage MR See Crosbie DC
- Sage MR See Davies RP
- Sage MR See Downey FR
- Sage MR See Leung K
- Sage MR See Wilcox J
- Sage MR See Wise AG
- Sagel S See Greene R
- Sagel SS See Glazer HS
- Sagel SS See Martin KW
- Sagel SS See Siegel MJ
- Sagel SS See Thorsen MK
- Sagel SS See Zerhouni EA
- Sagel SS: solitary pulmonary nodule: role of CT. *AJR* 1986; 147: 26
- Sager EM; Fossa SD; Kaalihs O; et al: contrast-enhanced computed tomography in carcinoma of the urinary bladder: use of different injection methods. *Acta Radiol* 1987; 28: 67
- Sager EM; Talle K; Fossa SD; et al: contrast-enhanced computed tomography to show perivesical extension in bladder carcinoma. *Acta Radiol* 1987; 28: 307
- Sager P See Tjønnesen KH
- Sagerman RH See Krueger JB
- Sagerman RH See Panicek DM
- Sagerman RH: oncology/radiation therapy: RSNA '87 meeting notes. *Radiology* 1988; 166: 926
- Sago T See Togashi K
- Sagoh T See Fujisawa I
- Sagoh T See Itoh K
- Sagoh T See Minami S
- Sagoh T See Noma S
- Saha MM See Gupta RK
- Saha MM See Kapoor R
- Saha MM; Gupta RK; Chauhan S: co-existence of enchondromatosis exostosis and hemangiomas. *Australas Radiol* 1987; 31: 71
- Saha MM; Kapoor R: aneurysmal bone cyst of the frontal bone—case report. *Australas Radiol* 1986; 30: 8
- Sahai SB See Mohan V
- Sahar DI See Ames MD
- Sahlström K See Vorne M
- Sahn SA See Miller KS
- Sahoo RC See Shatpathy P
- Sahweil A See El-Gazzar AH
- Saibil EA: renal trauma: radiological studies. *Radiology* 1986; 158: 563
- Saibil EA; Howard BA; McKee JD; et al: subcutaneous lymphocytic following trauma to the thoracic duct. *J Canad Assoc Radiol* 1986; 37: 213
- Saibil EA; Maggiano R: combined antegrade-retrograde catheterization of the occluded common iliac artery prior to angioplasty. *J Canad Assoc Radiol* 1988; 39: 228
- Saiki S See Narumi Y
- Sailer SL; Harmon DC; Mankin HJ; et al: Ewing's sarcoma: surgical resection as a prognostic factor. *Int J Radiat Oncol Biol Phys* 1988; 15: 43
- Saing H See Tam PKH
- Saini S See Bousquet J-C
- Saini S See Edelman RR
- Saini S See Hahn FF
- Saini S See Mueller PR
- Saini S See Silverman SG
- Saini S See Stark DD
- Saini S See Steiner E
- Saini S See Stratemeyer EJ
- Saini S See Weisleder R
- Saini S; Ferrucci JT: ferrite particles as an MR contrast agent. *Radiology* 1988; 169: 656
- Saini S; Frankel RB; Stark DD; et al: magnetism: a primer and review. *AJR* 1988; 150: 735
- Saini S; Stark DD; Brady TJ; et al: dynamic spin-echo MRI of liver cancer using gadolinium-DTPA: animal investigation. *AJR* 1986; 147: 357
- Saini S; Stark DD; Hahn FF; Bousquet J-C; Introcasso J; Wittenberg J; Brady TJ; Ferrucci JT Jr: ferrite particles: superparamagnetic MR contrast agent for enhanced detection of liver carcinoma. *Radiology* 1987; 162: 217
- Saini S; Stark DD; Hahn FF; Wittenberg J; Brady TJ; Ferrucci JT Jr: ferrite particles: superparamagnetic MR contrast agent for the reticuloendothelial system. *Radiology* 1987; 162: 211
- Saini S; Stark DD; Wittenberg J; et al: rat model of liver cancer for imaging research. *Invest Radiol* 1987; 22: 149
- St. Amour TE See Nadel S
- St. Amour TE; McClennan BL; Glazer HS: pancreatic mumps: transient reaction to IV contrast media (case report). *AJR* 1986; 147: 188
- St. Amour TE; Miller D: voiding symptoms and periurethral mass. *Urol Radiol* 1986; 8: 219
- St. Amour TE; Siegel MJ; Glazer HS; et al: CT appearances of the normal and abnormal thymus in childhood. *JCAT* 1987; 11: 645
- Saint-Georges G See Charlebois N
- St. Germain J: institutional storage and disposal of radioactive materials. *Semin Nucl Med* 1986; 16: 187
- St. Germain J: radiation protection programs in nuclear medicine. *Semin Nucl Med* 1986; 16: 198
- St. Germain J: radioactive patient. *Semin Nucl Med* 1986; 16: 179
- St. John JN; Palmaz JC: cubital tunnel in ulnar entrapment neuropathy. *Radiology* 1986; 158: 119
- St. Louis EL See Gray RR
- St. Louis EL See Grossman H
- St. Louis EL; Gray RR; Grossman H: simplified technique of internal pudendal angiography in the investigation of impotence. *Cardiovasc Intervent Radiol* 1986; 9: 22
- Saint-Louis L See Albert A
- Saint Martin GA; Larrieu E; Chiesa JC; et al: ultrasound scanning as a screening technique for hydatidosis in developing countries. *JCU* 1988; 16: 233
- St. Ville E See Lamki N
- St. Ville E See Raval B
- St. Ville JA See Fishman EK
- Saisho H See Ebara M
- Saito A See Nakano H
- Saito F See Matsubara S
- Saito H; Kurashina T; Ishibashi T; et al: digital radiography in an intensive care unit. *Clin Radiol* 1988; 39: 127
- Saito I See Yamamoto S
- Saito K See Furuse M
- Saito M See Ohtomo K
- Saito R See Higashida Y
- Saito S; Ohno K; Ono K: joint-preserving operations for idiopathic avascular necrosis of the femoral head: results of core decompression, grafting and osteotomy. (ab). *Radiology* 1988; 168: 294
- Saitoh H; Yoshii F; Shinohara Y: computed tomographic findings in progressive supranuclear palsy. *Neuroradiol* 1987; 28: 168
- Sakaguchi S See Koyano K
- Sakahara H; Endo K; Koizumi M; et al: relationship between in vitro binding activity and in vivo tumor accumulation of radiolabeled monoclonal antibodies. *J Nucl Med* 1988; 29: 235
- Sakahara H; Endo K; Nakashima T; et al: localization of human osteogenic sarcoma xenografts in nude mice by a monoclonal antibody labeled with radioiodine and indium-111. *J Nucl Med* 1987; 28: 342
- Sakai F See Kiyono K
- Sakai F; Gamsu G; Im J-G; et al: pulmonary function abnormalities in patients with CT-determined emphysema. *JCAT* 1987; 11: 963
- Sakai F; Kiyono K; Sone S; et al: ultrasonic evaluation of cervical metastatic lymphadenopathy. *J Ultrasound Med* 1988; 7: 305
- Sakai F; Sone S; Yanagisawa S; et al: schwannoma of the lesser omentum. *Eur J Radiol* 1988; 8: 113
- Sakai H; Nakamura N: physiological calcification of the septum pellucidum. *Neuroradiol* 1986; 28: 173
- Sakai K See Tateno A
- Sakai M See Moriyasu F
- Sakai N; Yamada H; Andoh T; et al: primary intracranial germ-cell tumors: a retrospective analysis with special reference to long-term results of treatment and the behavior of rare types of tumors. *Acta Oncol* 1988; 27: 43
- Sakai S See Tateno A
- Sakai TT See Evanochko WT
- Sakai Y See Sato T
- Sakamoto H See Yoshida T
- Sakamoto K See Iida M
- Sakamoto T See Iwai A
- Sakamoto T See Kikuchi K
- Sakamoto Y See Takahashi M
- Sakano K See Shibamoto Y
- Sakata J See Nakayama S
- Sakhua V See Ramey P
- Sakimura IT See Stewart CA
- Sakow N See Thorstad BL
- Saks BJ See Broy AS
- Saks BJ: normal acetabular anatomy for acetabular fracture assessment: CT and plain film correlation. *Radiology* 1986; 159: 139
- Saksouk FA; Fahl MH; Risk GK: computed tomography of pulmonary hydatid disease. *JCAT* 1986; 10: 226

- Saksouk FA; Haddad MC: detection of mesenteric involvement in sarcoidosis using computed tomography. *Br J Radiol* 1987; 60: 1135
- Sakuma H; Takeda K; Hirano T; et al: plain chest radiograph with computed radiography: improved sensitivity for the detection of coronary artery calcification. *AJR* 1988; 151: 27
- Sakuma S See Ishigaki T
- Sakuma S See Shimamoto K
- Sakurai T See Matsuda T
- Sakurai T See Shimizu K
- Salai M; Checkick A; Ganel A; et al: subluxation of the hip joint during femoral lengthening. (ab). *Radiology* 1986; 158: 572
- Salam M; Glowinski JV; Vetto RM; et al: detection of bile leakage from traumatic right hepatic duct laceration with technetium-99m DISIDA cholescintigraphy. *Clin Nucl Med* 1987; 12: 589
- Salaman JR See Clements R
- Salaman JR See Cochlin DL
- Salamon G See Gelbert F
- Salamon O; Freilich MD: calcified hemangioma of the spinal canal: unusual CT and MR presentation. *AJNR* 1988; 9: 799
- Salane M See Wolfe JN
- Salazar AM See Kornguth FJ
- Salazar JE See Gavani ML
- Salazar JE; Duke RA; Winer-Muram HT: locking and unlocking of the knee: arthrographic demonstration. *AJR* 1986; 146: 575
- Salazar JE; Nelson JF; Winer-Muram HT: extramedullary plasmacytoma of the thyroid. *J Canad Assoc Radiol* 1987; 38: 136
- Salazar OM See Sewchand W
- Salazar OM See Slawson RG
- Salazar OM; Slawson RG; Poussin-Rosillo H; et al: prospective randomized trial comparing once-a-week vs daily radiation therapy for locally-advanced, non-metastatic, lung cancer: preliminary report. *Int J Radiat Oncol Biol Phys* 1986; 12: 779
- Salcedo EE See Bellamy GR
- Salcedo EE See Detrano R
- Saleem A See Hayman LA
- Salehi N; Lichtenstein M; Pojer PM: technetium-99m radiopharmaceutical preparation by surface adsorbed stannous ions. *J Nucl Med* 1987; 28: 1041
- Salem DN See Inzer JM
- Salem DN; Konstam MA; Inzer JM; et al: comparison of the electrocardiographic and hemodynamic responses to ionic and nonionic radiocontrast media during left ventriculography: randomized double-blind study. (ab). *Radiology* 1987; 162: 292
- Salford LG See Olson MBE
- Salhani KE See Sandler MP
- Saliken JC See Iles SE
- Salimi Z See George EA
- Salimi Z See Granato DB
- Salimi Z; Vas W; Restrepo G: joint scintigraphy using technetium-99m pyrophosphate in experimental hemarthrosis. *J Nucl Med* 1986; 27: 246
- Salimi Z; Vas W; Sundaram M: avascular bone necrosis in an untreated case of chronic myelogenous leukemia. *Skeletal Radiol* 1988; 17: 353
- Salimi Z; Wolverson MK; Herbold DR; et al: treatment of frostbite with IV streptokinase: an experimental study of rabbits. *AJR* 1987; 149: 773
- Salimi Z; Wolverson MK; Herbold DR; Vas W: frostbite: experimental assessment of tissue damage using Tc-99m pyrophosphate. work in progress. *Radiology* 1986; 161: 227
- Sallan SE See Loeffler JS
- Sallee DS See Coblenz CL
- Salles-Cunha SX See Harris RW
- Salloun N See Yang S-J
- Salmi A See Livraghi T
- Salmi A See Lombardi G
- Salmi R; Holsti P: effects of roentgen irradiation on human melanoma metastases in the skin. *Acta Oncol* 1987; 26: 37
- Salminen E; Elomaa I; Minkkinen J; et al: preservation of intestinal integrity during radiotherapy using live *Lactobacillus acidophilus* cultures. *Clin Radiol* 1988; 39: 435
- Salmon A See Bedi DG
- Salmon RB See Moore AV Jr
- Salmons S See Hillman LS
- Salo JA; Ala-Kulja KV: congenital esophageal cysts in adults. (ab). *Radiology* 1988; 166: 908
- Salo JO; Kivisaari L; Rannikko S; et al: computerized tomography and transrectal ultrasound in the assessment of local extension of prostatic cancer before radical retropubic prostatectomy. (ab). *Radiology* 1987; 164: 883
- Salo JO; Rannikko S; Makinen J; et al: echogenic structure of prostatic cancer imaged on radical prostatectomy specimens. (ab). *Radiology* 1988; 166: 292
- Salomon A; Mendelson DS; Som PM: unusual variant of left superior vena cava. *CT* 1987; 11: 178
- Salomon A; Yeates AE; Burger PC; Heinz ER: subcortical arteriosclerotic encephalopathy: brain stem findings with MR imaging. *Radiology* 1987; 165: 625
- Salomon CG; Ali A; Fordham EW: bone scintigraphy in tuberculous sacroiliitis. *Clin Nucl Med* 1986; 11: 407
- Salomonowitz E See Fruhwald F
- Salomonowitz E See Hajek PC
- Salomonowitz E; Frick MP; Morin RL; et al: hydrophilic-lipophilic balance as predictor of mucus coating with barium sulfate. *Gastrointest Radiol* 1986; 11: 93
- Salonen DC: clinical radiology for medical students. *Radiology* 1988; 168: 644
- Salonen DC: medical imaging: a concise textbook. *Radiology* 1988; 168: 698
- Salonen O: CT characteristics of expansions in the middle and posterior mediastinum. *Comput Radiol* 1987; 11: 95
- Salonen O; Kivisaari L; Standerstjöld-Nordenstam C-G; et al: chest radiography and computed tomography in the evaluation of mediastinal adenopathy in lymphoma. *Acta Radiol* 1987; 28: 747
- Saloner D; Hinson WH; Moran PR; et al: MR flow imaging in projection through a stationary surround. *JCAT* 1988; 12: 122
- Salsberg BB See Jones BA
- Salsberg BB See Leekam RN
- Salter MM See Kim RY
- Salter RH See Arfken S
- Salti C See Peracchia G
- Saltzman DH See Benacerraf BR
- Saltzman DH See Benson CB
- Saltzman DH See Bunker AJ
- Saltzman GF See Baddeley H
- Saltzman J; Probst P: new puncture needle (Seldinger technique) for easy antegrade catheterization of the superficial femoral artery. *Eur J Radiol* 1987; 7: 54
- Salvadori M See Landini L
- Salzani MC See Squillaci E
- Salzman EW See Prince MR
- Salzman L; Kuligowska E; Semine A: pseudomphalocoe: pitfall in fetal sonography. *AJR* 1986; 146: 1283
- Salzman L; Lee VW; Grant P: gallium uptake in myositis ossificans: potential pitfalls in diagnosis. *Clin Nucl Med* 1987; 12: 308
- Salzmann C See Vock P
- Samach M See Swayne LC
- Samain H See Van Steenberg W
- Samaranayake LP; Robertson AG; MacFarlane TW; et al: effect of chlorhexidine and benzylamine mouthwashes on mucositis induced by therapeutic irradiation. *Clin Radiol* 1988; 39: 291
- Samarasekara MG; Hudson FR: technique for image density matching in radiotherapy planning radiographs. *Br J Radiol* 1988; 61: 697
- Samaraweera RN See Schroeder BA
- Samaraweera RN See Starshak RJ
- Sambrook M; Bamber JC; Minasi H; et al: ultrasonic Doppler study of the hormonal response of blood flow in the normal human breast. *Ultrasound Med Biol* 1987; 13: 121
- Sambrook PN; Eisman JA; Champion GD; et al: determinants of axial bone loss in rheumatoid arthritis. (ab). *Radiology* 1988; 166: 294
- Sambuc P See Godlewski G
- Samelson SL; Reyes HM: management of perforated appendicitis in children—revisited. (ab). *Radiology* 1988; 166: 296
- Sameshima M See Hoshi H
- Sambouri F See Cruz C
- Samiowski WE; Eyre HJ; Sause WT: evaluation of the response of unresectable carcinoma tumors to radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 301
- Sammon JK See Brandon JC
- Sammon JK See Haskin PH
- Sammon JK See Lee LI
- Sammon JK See Teplick SK
- Sammon JK; Teplick SK; Haskin PH: insertion of a large-caliber biliary endoprosthesis via the T-tube tract (technical note). *AJR* 1986; 147: 164
- Sampson MA; Bull MJ; Nakielly RA: sacral arachnoid diverticula. *Clin Radiol* 1988; 39: 394
- Sampson WFD: technetium-99m DTPA uptake and transit in bone: effect on blood clearance in rabbits. *J Nucl Med* 1987; 28: 1461
- Samson I See Beglin R
- Samuel AM; Vidvans AS: radionuclide scintigraphy of the brain and ultrasound studies in tubercular meningitis. *Clin Nucl Med* 1987; 12: 298
- Samuel E: radiology of normal and abnormal gastric mucus. *Br J Radiol* 1987; 60: 987
- Samuel KA See Harnish PP
- Samuel N; Dicker D; Landman J; et al: early diagnosis and intrauterine therapy of meconium plug syndrome in the fetus: risks and benefits. *J Ultrasound Med* 1986; 5: 425
- Samuel N; Sirota L; Bar-Ziv J; et al: ultrasonic appearance of common pulmonary vein atresia in utero. *J Ultrasound Med* 1988; 7: 25
- Samuels BI See Gebarski KS
- Samuels LD See Goodgold HM
- Samuels TS; Howard BA; Rubenstein JD; et al: case report 409. *Skeletal Radiol* 1987; 16: 78
- Samuelson WM See MacGregor JH
- Samuelsson L See Eklöf O
- Samuelsson L See Thorvinger B
- Samuelsson L; Bergstrom K; Thomsen K-A; et al: MR imaging of syringohydromyelia and Chiari malformations in myelomeningocele patients with scoliosis. *AJNR* 1987; 8: 539
- Samuelsson L; Eklöf O: conventional spinal radiography as a supplement to the neurologic assessment in myelomeningocele. *Acta Radiol* 1987; 28: 615
- Samuelsson L; Forsberg L; Olsson AM: accuracy of radiological staging procedures in non-seminomatous testis cancer compared with findings from surgical exploration and histopathological studies of extirpated tissue. *Br J Radiol* 1986; 59: 131
- Samulski TV; Fessenden P; Valadagni R; et al: correlations of thermal washout rate, steady state temperatures, and tissue type in deep seated recurrent or metastatic tumors. *Int J Radiat Oncol Biol Phys* 1987; 13: 907
- Samulski TV; Kapp DS; Fessenden P; et al: heating deep seated eccentrically located tumors with an annular phased array system: comparative clinical study using two annular array operating configurations. *Int J Radiat Oncol Biol Phys* 1987; 13: 83
- Sanborn TA; Cumberland DC; Greenfield AJ; Welsh CL; Guben JK: percutaneous laser thermal angioplasty: initial results and 1-year follow-up in 129 femoropopliteal lesions. *Radiology* 1988; 168: 121
- Sanchez D See Baro P
- Sanchez FW; Chuang VP; Murray DR; et al: DSA evaluation of surgically implantable Infusaid pump-catheter systems. *AJR* 1986; 146: 839
- Sanchez FW; Chuang VP; Skolkin MD: transcatheter treatment of myelomatous AV shunting causing high-output failure. *Cardiovasc Intervent Radiol* 1986; 9: 219
- Sanchez FW; Rogers JM; Vujic J; et al: transcatheter control of postpolypectomy hemorrhage. *Gastrointest Radiol* 1986; 11: 254
- Sanchez J See Perez-Fontan FJ
- Sanchez R; Quinn SF; Morrisseau PM; et al: urinary diversion by using a percutaneous ureteral occlusion device. *AJR* 1988; 150: 1069
- Sanchez-Woodworth RE See Westesson P-L
- Sancho AM See Kumar KS
- Sand T; Anda S; Hellum K; et al: chemical meningitis in metrizamide myelography: report of seven cases. *Neuroradiol* 1986; 28: 69
- Sand T; Stovner LJ; Dale L; et al: side effects after diagnostic lumbar puncture and lumbar isohexol myelography. *Neuroradiol* 1987; 29: 385
- Sandhu J See Westby M
- Sander B See Cordes M
- Sandercock P See Bamford J
- Sanders C; Bittner V; Nath PH; Brestnach ES; Soto BS: atrial septal defect in older adults: atypical radiographic appearances. *Radiology* 1988; 167: 123
- Sanders C; Frank MS; Rosland SG; et al: metastatic calcification of the heart and lungs in end-stage renal disease: detection and quantification by dual-energy digital chest radiography. *AJR* 1987; 149: 881
- Sanders C; Nath PH; Bailey WC: detection of emphysema with computed tomography: correlation with pulmonary function tests and chest radiography. *Invest Radiol* 1988; 23: 262
- Sanders C; Rubin E: malignant gestational trophoblastic disease: CT findings. *AJR* 1987; 148: 165
- Sanders DE See Contreras MA
- Sanders DE: breast cancer detection: mammography and other methods in breast imaging. 2d ed. *Radiology* 1988; 166: 434
- Sanders DE: breast cancer: diagnosis and treatment. *Radiology* 1987; 164: 558
- Sander DE: breast imaging: diagnosis and morphology of breast diseases. *Radiology* 1988; 168: 428
- Sanders DE: diagnosis and differential diagnosis of breast calcifications. *Radiology* 1988; 168: 660
- Sanders DE: female breast examination: theoretical and practical guide to breast diagnosis. *Radiology* 1987; 162: 660
- Sanders DE: interpretations of the chest roentgenogram. *Radiology* 1987; 164: 500
- Sanders DE: medical management of breast cancer. *Radiology* 1988; 168: 374

- Sanders DE: multimodality approach to breast imaging, *Radiology* 1987; 163: 138
- Sanders L See Dikengil A
- Sanders LR See Moreno AJ
- Sanders RC See Bohman ME
- Sanders RC See Dahmert WF
- Sanders RC See Hartman DS
- Sanders RC See Nussbaum AR
- Sanders RC See Roberts JL
- Sanders RC See Sheth S
- Sanders RC; Hamper UM; Dahmert WF: update on prostatic ultrasound, *Urol Radiol* 1987; 9: 110
- Sanders RC; Nussbaum AR; Solez K: renal dysplasia: sonographic findings, *Radiology* 1988; 167: 623
- Sanders SP See Benacerraf BR
- Sanders WP See Patel SC
- Sanders WP See Quint DJ
- Sandhu A; Kendall B: computed tomography in management of medulloblastomas, *Neuroradiol* 1987; 28: 444
- Sandhu TS: measurement of blood flow using temperature decay: effect of thermal conduction, *Int J Radiat Oncol Biol Phys* 1986; 12: 373
- Sandlin B See Wilkins RA
- Sandler CM See Gensburg RS
- Sandler CM See Hezmal HP
- Sandler CM See Kim EE
- Sandler CM; Hall JT; Rodriguez MB; Corriere JN Jr: bladder injury in blunt pelvic trauma, *Radiology* 1986; 158: 633
- Sandler CM; Houston GK; Hall JT; et al: guided cyst puncture and aspiration, *Radiol Clin North Am* 1986; 24: 527
- Sandler M See Holloway H
- Sandler M See Wagener G
- Sandler MA See Alpern MB
- Sandler MA See Deutch SJ
- Sandler MA See Kellman GM
- Sandler MA See Pearlberg JL
- Sandler MA See Siegel SC
- Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM: ultrasound case of the day, *Radiographics* 1986; 6: 734
- Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM: ultrasound case of the day: annual meeting 1985, *Radiographics* 1986; 6: 512
- Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM: ultrasound case of the day: annual meeting, 1985, *Radiographics* 1986; 6: 921
- Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM: ultrasound case of the day: annual meeting, 1985, *Radiographics* 1986; 6: 1096
- Sandler MA; Beute GH; Madrazo BL; Hudak SF; Maywood CM; Walter K; Haggag AH: ultrasound case of the day: annual meeting, 1985, *Radiographics* 1987; 7: 1025
- Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM: ultrasound case of the day: annual meeting, 1985, *Radiographics* 1988; 8: 188
- Sandler MA; Katz ME; Madrazo BL; Beute GH; Keigley BA; Riga PM; Berger JA; Kellman GM: ultrasound case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 585
- Sandler MA; Kellman GM; Madrazo BL; Beute GH; Keigley BA; Riga PM; Berger JA: ultrasound case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 358
- Sandler MA; Kellman GM; Madrazo BL; Katz ME; Beute GH; Keigley BA; Riga PM; Berger JA: ultrasound case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 1216
- Sandler MP See Delbeke D
- Sandler MP See Ertzner TW
- Sandler MP See Falke THM
- Sandler MP See Fellmeth BD
- Sandler MP See Hinton AA
- Sandler MP See Johnson JA
- Sandler MP See Lee GS
- Sandler MP See Weaver GR
- Sandler MP: high-resolution MR imaging of abnormal parathyroid glands, *Radiology* 1988; 166: 582
- Sandler MP; Fellmeth B; Sahany KE; et al: thyroid carcinoma masquerading as a solitary benign hyperfunctioning nodule, *Clin Nucl Med* 1988; 13: 410
- Sandler MP; Patton JA: multimodality imaging of the thyroid and parathyroid glands, *J Nucl Med* 1987; 28: 122
- Sandler MS; Velchik MG; Alavi A: ventilation abnormalities associated with pulmonary embolism, *Clin Nucl Med* 1988; 13: 450
- Sandles LG See Hricak H
- Sandlin ME See Bryan RN
- Sandok BA See Silber MH
- Sandor T See LeMay M
- Sandor T; Bleier AR; Ruenzel FW; et al: application of the maximum likelihood principle to separate exponential terms in T₂ relaxation of nuclear magnetic resonance, *Magn Res Imag* 1988; 6: 27
- Sandoz JW See Klein JL
- San Dretto M See Foley WD
- Sandron D See Israel-Niet D
- Sands H See Moua SA
- Sands H; Delano ML; Gallagher BM: uptake of hexakis(t-butylisonitrile) technetium (I) and hexakis(isopropylisonitrile) technetium (I) by neonatal rat myocytes and human erythrocytes, *J Nucl Med* 1986; 27: 404
- Sands H; Jones PL: methods for the study of the metabolism of radiolabeled monoclonal antibodies by liver and tumor, *J Nucl Med* 1987; 28: 390
- Sands MS; Violante MB; Gadeholt G: computed tomographic enhancement of liver and spleen in the dog with iodipamide ethyl ester particulate suspensions, *Invest Radiol* 1987; 22: 408
- Sands SF; Farmer P; Alvarez O; et al: fat within the falx: MR demonstration of falcine bony metaplasia with marrow formation, *JCAT* 1987; 11: 602
- Sandstedt B See Eklof O
- Sandstrom MM See Benacerraf BR
- Sane DC See MacGregor JH
- Sane S See Day DL
- Sanerkin N See Bathurst N
- Sanfilippo DJ See Sarniak AP
- Sanford RA See Freeman CR
- Sanford RA; Smith RA: hemangioblastoma of the cervicomedullary junction: report of three cases, (ab), *Radiology* 1987; 162: 590
- Sanger V See Gini A
- Sanger JJ See Kramer EL
- Sanger JJ See Lubat E
- Sangi VB See Bartold KP
- Sank VJ See Chen C-N
- Sank VJ See Dwyer AJ
- Sank VJ See Hoult DI
- Sankar SS; Mole PA; Coulson RL: measurement of solute proton spin-lattice relaxation times in water using the 1,3,3,1 sequence, *Magn Res Med* 1986; 3: 958
- Sankaran A; Patki VS: novel x-ray transmission ionization chamber dosimeter for patient dose measurements in diagnostic radiology, *Br J Radiol* 1988; 61: 613
- Sanniya T See Kosuda S
- Sanna G See Zappasodi F
- Sano A See Sana K
- Sano H See Takayama T
- Sano N; Nagan H; Morimoto M; et al: infantile sudanophilic leukodystrophy: computed tomography demonstration, *Neuroradiol* 1986; 28: 170
- Sani PK See Royal JE
- Sant GR See Doherty FJ
- Santamaria M See Dominguez R
- Santana J See Shank B
- Santarone M See Verna E
- Santi V See Bolondi L
- Santiago EM See Radin DR
- Santiago S See Williams AJ
- Santiago S; Houston D; Ezer J; et al: gallium scanning and tomography in the preoperative evaluation of lung cancer, (ab), *Radiology* 1987; 162: 291
- Santini N See Bruneton J-N
- Santoni R; Bucciolini M; Cionini L; et al: modifications of relaxation times induced by radiation therapy in cervical carcinoma: preliminary results, *Clin Radiol* 1987; 38: 569
- Santoni R; Cionini L; D'Elia F; et al: dysgerminoma of the ovary: report on 29 patients, *Clin Radiol* 1987; 38: 203
- Santoni R; Villari N; Bisin L; et al: role of lymphography in the staging and treatment of ovarian dysgerminoma: report on 27 cases, *Acta Oncol* 1987; 26: 23
- Santos CC See Heulitt MJ
- Sanz ML; Mancini GB; LeFree MT; et al: variability of quantitative digital subtraction coronary angiography before and after percutaneous transluminal coronary angioplasty, (ab), *Radiology* 1988; 166: 911
- Sanz MP See Abelló R
- Sapaga AA See Mesgarzadeh M
- Sapoznik MD See Hayes JK Jr
- Sapoznik MD; Moeller JM; McDonald FN; et al: improved precision of interstitial brain tumor irradiation using the BRW CT stereotaxic guidance system, *Int J Radiat Oncol Biol Phys* 1987; 13: 1753
- Sara A See Quinn SF
- Saral R See Jones B
- Sarcone AL See Grant EG
- Sarda AK; Bal S; Gupta SD; et al: diagnosis and treatment of cystic disease of the thyroid by aspiration, (ab), *Radiology* 1988; 166: 591
- Sardet A See Schmitt P
- Sareli P See Schamroth CL
- Sargent JD See Starer F
- Saris SC; Patronas NJ; Doppman JL; Loriaux DL; Cutler GB Jr; Nieman LJ; Chrousos GP; Oldfield EH: Cushing syndrome: pituitary CT scanning, *Radiology* 1987; 162: 775
- Sarkar SD See Ascher SA
- Sarkar SK; Holland GA; Lenkinski RE; et al: renal imaging studies at 1.5 and 9.4 T: effects of diuretics, *Magn Res Med* 1988; 7: 117
- Sarkar TK See Smith FW
- Sarkisian A See Borin BF
- Sarniak AP; Sanfilippo DJ; Slovio TL: ultrasound diagnosis of adrenal hemorrhage in meningococemia, *Pediatr Radiol* 1988; 18: 427
- Sarniak S See Lande IM
- Sarniak SA See Hernandez RJ
- Sarnelli R See Landini L
- Sarno RC See Oates E
- Sarno RC See Richmond J
- Sarno RC See Vasquez R
- Saroja KR; Hendrickson FR; Cohen L; et al: re-irradiation of locally recurrent tumors with fast neutrons, *Int J Radiat Oncol Biol Phys* 1988; 15: 115
- Saroja KR; Mannell J; Hendrickson FR; et al: update on malignant salivary gland tumors treated with neutrons at Fermilab, *Int J Radiat Oncol Biol Phys* 1987; 13: 1319
- Sarpei G See Horowitz AL
- Sarpei G See Sarpei S
- Sarpei G; Chaudry F; Hinde W: magnetic resonance imaging of periventricular hyperintensity in a Veterans Administration hospital population, (ab), *Radiology* 1987; 165: 887
- Sarpei G; Chaudry F; Hinde W: magnetic resonance imaging of periventricular hyperintensity in a Veterans Administration hospital population, (ab), *Radiology* 1988; 167: 590
- Sarpei S; Sarpei G; Yu E; et al: early diagnosis of spinal-epidural metastasis by magnetic resonance imaging, (ab), *Radiology* 1987; 164: 887
- Sarr MG; Fishman EK; Goldman SM; et al: enterovesical fistula, (ab), *Radiology* 1987; 164: 292
- Sarrasin D See Dewar JA
- Sarrasin D See Tubiana M
- Sarre RG; Frost AG; Jagelman DG; et al: gastric and duodenal polyps in familial adenomatous polyposis: a prospective study of the nature and prevalence of upper gastrointestinal polyps, (ab), *Radiology* 1987; 165: 588
- Sarti D See Bassett LW
- Sarti DA See DeVore GR
- Sarti DA See Ngo C
- Sartor K See Karnaze MG
- Sartor K; Karnaze MG; Winthrop JD; et al: MR imaging in intra-, para- and retrocellular mass lesions, *Neuroradiol* 1987; 28: 19
- Sartor KJ See Geyer CA
- Sartor KJ See Karnaze MG
- Sartoris D See Jacob J
- Sartoris DJ See Bhasin S
- Sartoris DJ See Bielecki DK
- Sartoris DJ See Björkengren AG
- Sartoris DJ See Dowd CF
- Sartoris DJ See Gyllys-Moria VM
- Sartoris DJ See Hajek PC
- Sartoris DJ See Haller J
- Sartoris DJ See Hayward I
- Sartoris DJ See Kieft GJ
- Sartoris DJ See Kunnick C
- Sartoris DJ See Lafferty CM
- Sartoris DJ See Lambiase R
- Sartoris DJ See Mitchell MJ
- Sartoris DJ See Pate D
- Sartoris DJ See Pathria MN
- Sartoris DJ See Resnick D
- Sartoris DJ See Sebrechts C
- Sartoris DJ See Stiles RG
- Sartoris DJ See Van Lom KJ
- Sartoris DJ See Zlatkin MB
- Sartoris DJ: noninvasive bone densitometry: the need for cooperation and respect in research, *Radiology* 1988; 166: 902
- Sartoris DJ; Andre M; Resnick CS; Resnick D: trabecular bone density in the proximal femur: quantitative CT assessment: work in progress, *Radiology* 1986; 160: 707
- Sartoris DJ; Clopton P; Nemcek A; Dowd C; Resnick D: vertebral-body collapse in focal and diffuse disease: patterns of pathologic processes, *Radiology* 1986; 160: 479
- Sartoris DJ; Gershuni DH; Akesson WH; Holmes RE; Resnick D: coralline hydroxyapatite bone graft substitutes: preliminary report of radiographic evaluation, *Radiology* 1986; 159: 133
- Sartoris DJ; Guerra JJ Jr; Mattrey RF; et al: perfluorocetyl bromide as a contrast agent for computed tomographic imaging of septic and aseptic arthritis, *Invest Radiol* 1986; 21: 49
- Sartoris DJ; Haghighi P; Resnick D: case report 423, *Skeletal Radiol* 1987; 16: 325
- Sartoris DJ; Haghighi P; Resnick D: painful swelling of the toe in a young boy, *Invest Radiol* 1987; 22: 170

- Sartoris DJ; Holmes RE; Buchholz RW; et al: coralline hydroxyapatite bone graft substitutes in a canine diaphyseal defect model: radiographic features of failed and successful union, *Skeletal Radiol* 1986; 15: 642
- Sartoris DJ; Holmes RE; Buchholz RW; et al: coralline hydroxyapatite bone-graft substitutes in a canine metaphyseal defect model: radiographic-histometric correlation, *Invest Radiol* 1986; 21: 851
- Sartoris DJ; Holmes RE; Buchholz RW; et al: coralline hydroxyapatite bone-graft substitutes in a canine diaphyseal defect model: radiographic-histometric correlation, *Invest Radiol* 1987; 22: 590
- Sartoris DJ; Holmes RE; Tencer AF; et al: coralline hydroxyapatite bone graft substitutes in a canine metaphyseal defect model: radiographic-biomechanical correlation, *Skeletal Radiol* 1986; 15: 635
- Sartoris DJ; Jones H: case report 343, *Skeletal Radiol* 1986; 15: 60
- Sartoris DJ; Pate D; Haghighi P; et al: plasma cell sclerosis of bone: spectrum of disease, *J Canad Assoc Radiol* 1986; 37: 25
- Sartoris DJ; Resnick D: MR imaging of the musculoskeletal system: current and future status, *AJR* 1987; 149: 457
- Sartoris DJ; Resnick D; Bielecki D; et al: technique for multipanar reformation and three-dimensional analysis of computed tomographic data: application to adult hip disease, *J Canad Assoc Radiol* 1986; 37: 69
- Sartoris DJ; Schreiman JS; Kerr R; Resnik CS; Resnick D: sternoclavicular hyperostosis: review and report of 11 cases, *Radiology* 1986; 158: 125
- Sarva RP See Shreiner DP
- Sarvazyan AP See Shilnikov GV
- Sarwar M See Virapongse C
- Sarwar M: head and spine imaging, *Radiology* 1986; 158: 446
- Sarwar M: radionuclide imaging of the brain, *Radiology* 1986; 159: 164
- Sarwar M; Schafer ME: brain malformations in linear nevus sebaceous syndrome: an MR study, *JCAT* 1988; 12: 338
- Sasahara AA: fundamentals of fibrinolytic therapy, *Cardiovasc Intervent Radiol* 1988; 11: 53
- Sasai K; Sano A; Imanaka K; et al: right perireticular venous ring detected by computed tomography, *JCAT* 1986; 10: 349
- Sasaki C See Som PM
- Sasaki Y See Aoki S
- Sashin D See Slasky BS
- Sassani JW See Metz KR
- Sastro KSR See Rao DV
- Sata T; Higashi Y; Ono Y: sonography of gallbladder perforation: complication of transcatheter hepatic arterial embolization, *J Ultrasound Med* 1986; 5: 715
- Saterfield JL; Virapongse C; Clore FC: computed tomography of combined right upper and middle lobe collapse, *JCAT* 1988; 12: 383
- Satin R See Dorne HL
- Sattler LF; Pallas RS; Bond OB; et al: assessment of residual coronary arterial stenosis after thrombolytic therapy during acute myocardial infarction, (ab), *Radiology* 1988; 166: 589
- Sato F See Kondo T
- Sato K See Kawahara N
- Sato K See Morimoto I
- Sato M; Tanaka S; Kohama A: "top of the basilar" syndrome: clinic-radiological evaluation, *Neuroradiol* 1987; 29: 354
- Sato N See Takahashi M
- Sato S; Ohnishi K; Sugita S; Okuda K: splenic artery and superior mesenteric artery blood flow: noninvasive Doppler US measurements in healthy subjects and patients with chronic liver disease, *Radiology* 1987; 164: 347
- Sato T See Narumi Y
- Sato T See Yoshikawa M
- Sato T; Sakai Y; Ishiguro S; et al: gastric hamartomatous polyp without polyposis coli: radiologic diagnosis, *Gastrointest Radiol* 1988; 13: 19
- Sato T; Sakai Y; Ishiguro S; et al: radiologic manifestations of early gastric lymphoma, *AJR* 1986; 146: 513
- Sato T; Sakai Y; Kajita A; et al: radiographic microstructures of early esophageal carcinoma: correlation of specimen radiography with pathologic findings and clinical radiography, *Gastrointest Radiol* 1986; 11: 12
- Sato Y See Flickinger FW
- Sato Y See Frey EE
- Sato Y See Kao SCS
- Sato Y See Nakata H
- Sato Y See Uken P
- Sato Y See Yuh WTC
- Sato Y; Frey EE; Federaro A; et al: small-bowel obstruction due to an intestinal balloon: treatment by percutaneous needle puncture, *AJR* 1986; 147: 1019
- Sato Y; Frey EE; Smith WL; et al: balloon dilatation of esophageal stenosis in children, *AJR* 1988; 150: 639
- Sato Y; Frey EE; Wicklund B; et al: embolization therapy in the management of infantile hemangioma with Kasabach Merritt syndrome, *Pediatr Radiol* 1987; 17: 503
- Sato Y; Pringle KC; Bergman RA; Yuh WTC; Smith WL; Soper RT; Franken EA Jr: congenital anorectal anomalies: MR imaging, *Radiology* 1988; 168: 157
- Sato Y; Waziri M; Smith W; Frey EE; Yuh WTC; Hanson J; Franken EA Jr: Hippel-Lindau disease: MR imaging, *Radiology* 1988; 166: 241
- Satoh M See Echizenya K
- Satoh S; Shibuya H; Matsushima Y; et al: analysis of the angiographic findings in cases of childhood moyamoya disease, *Neuroradiol* 1988; 30: 111
- Satoh T See Asari S
- Satoh T; Nakasone S; Matsumoto K; et al: computed tomography of monkey brain tumors, *JCAT* 1986; 10: 827
- Satokari K See Pajanen H
- Satre RW See Widius DM
- Sattler CA See Besch GJ
- Sauer DD; Chase DR: case report 461, *Skeletal Radiol* 1988; 17: 72
- Sauer MV; Gorrill J; Rodi IA; et al: corpus luteum activity in tubal pregnancy, (ab), *Radiology* 1988; 169: 289
- Sauerbrei E See Nguyen KT
- Sauerbrei EE; Lopez M: pseudotumor of the quadrat lobe in hepatic sonography: sign of generalized fatty infiltration, *AJR* 1986; 147: 923
- Sauerbrei EE; Pham DH: placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome, *Radiology* 1986; 160: 109
- Sauerbruch T; Holl J; Sackmann M; et al: treatment of bile duct stones by extracorporeal shock waves, *Semin US CT MR* 1987; 8: 155
- Saukkonen A-L See Seppanen U
- Saul S See Hertinger H
- Saul SH See Levine MS
- Saul SH See Schiebler ML
- Saul SH See Titelbaum DS
- Saul SH; Rast ML; Brooks JJ: immunohistochemistry of gastrointestinal stromal tumors: evidence supporting an origin from smooth muscle, (ab), *Radiology* 1987; 165: 295
- Saule H See Beltinger C
- Saunders AJ See Shaw PJ
- Saunders AJS See Gaines PA
- Saunders JE See Coleman AJ
- Saunders JK See Williams PG
- Saunders MI See Dische S
- Saunders MI; Dische S: radiotherapy employing three fractions in each day over a continuous period of 12 days, *Br J Radiol* 1986; 59: 523
- Saunders MI; Dische S; Fowler JF; et al: radiotherapy employing three fractions on each of twelve consecutive days, *Acta Oncol* 1988; 27: 163
- Saunders NR See Mitchell IM
- Saunders WM; Winston KR; Siddon RL; et al: radiosurgery for arteriovenous malformations of the brain using a standard linear accelerator: rationale and technique, *Int J Radiat Oncol Biol Phys* 1988; 15: 441
- Sause WT See Jacobson GM
- Sause WT See Pilepich MV
- Sause WT See Samlowski WE
- Sause DD See Mahoney MD
- Sause DD See Schulz EE
- Sause DD; Hewes RC; Root L: hip changes in spastic cerebral palsy, *AJR* 1986; 146: 1219
- Sauter A; Rudin M: effects of calcium antagonists on high-energy phosphates in ischemic rat brain measured by ^{31}P NMR spectroscopy, *Magn Res Med* 1987; 4: 1
- Sauter R See Huber DJ
- Sauter R See Koenig H
- Sauter R See König H
- Sauter-Bühl ML See Bühl H
- Saux P See Martin C
- Savader B See Anderson S
- Savader BJ See Savader SJ
- Savader SJ; Nokes SR; Chappel G: case report and review: computed tomography of multiple nodular pulmonary amyloidosis, *Comput Radiol* 1987; 11: 111
- Savader SJ; Otero RR; Savader BL: puerperal ovarian vein thrombosis: evaluation with CT, US and MR imaging, *Radiology* 1988; 167: 637
- Savader SJ; Savader BL; Drewry GR: case report: hypothermic hammer syndrome with embolic occlusion of digital arteries, *Clin Radiol* 1988; 39: 324
- Savader SJ; Savader BL; Otero RR: intraosseous arteriovenous malformations mimicking malignant disease, *Acta Radiol* 1988; 29: 109
- Savage JP See Davies RP
- Savage JRK; Holloway M: induction of sister-chromatid exchanges by d(42 MeV)-Be neutrons in unstimulated human-blood lymphocytes, *Br J Radiol* 1988; 61: 231
- Savage M See Hopkins J
- Savage PE See Khan O
- Savala KM See Touya JJ
- Savazzi GM See Cusmano F
- Saverymattu SH; Maltby P; Batman P; et al: false positive localization of indium-111 granulocytes in colonic carcinoma, *Br J Radiol* 1986; 59: 775
- Savi A See Gerundini P
- Savikurki S See Korhola O
- Savini R See Merlini L
- Savino FJ See Atlas SW
- Savino PJ See Roden DT
- Savit RM: simulated splenic rupture on computed tomography, *Br J Radiol* 1987; 60: 713
- Savit RM; Udis DS: "upside-down" contrast-urine level in glycosuria: CT features, *JCAT* 1987; 11: 911
- Savitch I; Esser JD; Springolo E; et al: demonstration of post-traumatic bile leak using technetium-99m DISIDA, *Clin Nucl Med* 1986; 11: 873
- Savoardo M; Bracchi M; Passerini A; et al: vascular territories in the cerebellum and brainstem: CT and MR study, *AJNR* 1987; 8: 199
- Savoardo M; Cimino C; Passerini A; et al: mobile myelographic filling defects: spinal cysticercosis, *Neuroradiol* 1986; 28: 166
- Savolaine ER See Smith RR
- Savolaine ER See Wycliffe ND
- Savolaine ER; Greenblatt SH; Conover SR; et al: computed tomography application to lumbar epidurography, *CT* 1987; 11: 193
- Savolaine ER; Greenblatt SH; Rappaport M: computed tomography-guided intracranial biopsy and cyst aspiration: accumulated experience in 60 patients, *CT* 1987; 11: 221
- Savolaine ER; Voeller K; Gunning W; et al: computed tomography in neuronal ceroid lipofuscinosis: four case reports, *CT* 1987; 11: 73
- Savory CG See Van Nostrand D
- Savrin RA See Jain AC
- Savrin RA; Record GT; McDowell DE: axillofemoral bypass: expectations and results, (ab), *Radiology* 1987; 162: 887
- Sawada S See Nakamura H
- Sawaf NW See Orzel JA
- Sawaf NW; Orzel JA: wandering spleen and advanced age, *Clin Nucl Med* 1987; 12: 561
- Sawaf NW; Orzel JA; Weiland FL: gastroesophageal reflux demonstrated by hepatobiliary imaging in scleroderma, *J Nucl Med* 1987; 28: 387
- Sawar M See Rhee RS
- Sawczuk IS; Reitelman C; Libby C; et al: CT findings in Addison's disease caused by tuberculosis, *Urol Radiol* 1986; 8: 44
- Sawhney S; Berry M; Bhargava S: percutaneous real-time ultrasonic guided biopsy in the diagnosis of deep-seated, non-palpable intra-abdominal masses (initial experience), *Australas Radiol* 1987; 31: 295
- Sawitsky A See Phillips G
- Sawyer RW See Baker KS
- Sawyer RW See Resnik CS
- Sawyer RW; Walsh JW: CT in gynecologic pelvis diseases, *Semin US CT MR* 1988; 9: 122
- Sax SL See Athey PA
- Sax SL; Athey PA; Lamki N; et al: sonographic findings in traumatic hemobilia: report of two cases and review of the literature, *JCU* 1988; 16: 29
- Saxton H: myths and misconceptions in urology, *Clin Radiol* 1988; 39: 361
- Saxton HM See Gedroyc WMW
- Saxton HM; Borzyskowski M; Mundy AR; Vivian GC: spinning top urethra: not a normal variant, *Radiology* 1988; 168: 147
- Saxton J See Mota HC
- Saxton RE See Cohen MB
- Say B; Poznanski AK: cloverleaf skull associated with unusual skeletal anomalies, *Pediatr Radiol* 1987; 17: 93
- Sayfan J See Orda R
- Sayle BA; Fawcett HD; Wilkey DJ; et al: indium-111 chloride imaging in chronic osteomyelitis, (ab), *Radiology* 1986; 159: 824
- Sayle BA; Fawcett HD; Yudi WM; et al: indium-111 chloride imaging with ununited fractures, *Clin Nucl Med* 1987; 12: 208
- Saylor L See Bidwell JK
- Saylor TK See Shrivastava PN
- Saywell WR See Colquhoun IR
- Saxton A See Groshar D
- Sbschnig RJ See Cohen AJ
- Scaf JJ See Creemers WRJ
- Scala V See Giorgio A
- Scalpinio MC See McEllan GL
- Scala TM See Sclafani SJA
- Scala RL See Cohen MD
- Scalfano FP Jr; Prichard JC; Lamki N; et al: abdominal cryptococcoma in AIDS: a case report, *CT* 1988; 12: 237

- Scalliet P; Erfmann RKL; Landuyt W; et al: simple graphical method for deriving kinetics of repair from fractionated and protracted irradiations, *Br J Radiol* 1988; 61: 90
- Scally JK See Morewood DJW
- Scally JK: case report: renal cell carcinoma—an unusual presentation and sequel, *Clin Radiol* 1987; 38: 653
- Scalzetti EM; Bassano DA: bone mineral measurement in the human spine using computed tomography, *Invest Radiol* 1986; 21: 858
- Scalzetti EM; Levinsohn EM; Numann P; et al: vertebral mineralization after parathyroidectomy: measurement by quantitative CT, *AJR* 1988; 151: 533
- Scanlan K See Pozniak MA
- Scanlan KA See Cullenward MJ
- Scanlan KA See Peters ME
- Scanlon MH See Goldman AP
- Scannon PJ See Engelstad BL
- Scarrantino CW See Powell BL
- Scarrantino CW; Greven KM; Buss DH: single high dose-large field irradiation in drug resistant non-Hodgkin's lymphoma, *Int J Radiat Oncol Biol Phys* 1988; 14: 1001
- Scarborough D See Bankoff MS
- Scarborough EC See John B
- Scarlato A See Schwaibold F
- Scaramacchia SA; Raptopoulos V; Davidson RI: saline microbubbles monitoring sonography-assisted abscess drainage, *Invest Radiol* 1987; 22: 868
- Scatridge JC See Allen HA III
- Scatridge JC See Crist DW
- Scatridge JC See DiSantis DJ
- Scatridge JC See Kuhlman JE
- Scatridge JC See Soulen MC
- Scatridge JC See Yousem DM
- Scatridge JC; Allen HA III; Fishman EK: computed tomography of the small bowel, *Semin US CT MR* 1987; 8: 403
- Scatridge JC; Fishman EK; Crist DW; et al: diverticulitis of the right colon: CT observations, *AJR* 1987; 148: 737
- Scatridge JC; Fishman EK; Zinreich ES; Brem RF; Almaraz R: internal mammary lymphadenopathy in breast carcinoma: CT appraisal of anatomic distribution, *Radiology* 1988; 167: 89
- Scatridge JC; Hsiao JG; de la Torre R; et al: acoustic shadowing in benign granular cell tumor (myoblastoma) of the breast, *J Ultrasound Med* 1987; 6: 545
- Scatridge JC; Kenny JM; Fishman EK; et al: CT of giant cavernous hemangioma, *AJR* 1987; 149: 83
- Scatridge JC; Yousem DM; Fishman EK; et al: CT abnormalities in right lower quadrant inflammatory disease: review of findings in 26 adults, *Gastrointest Radiol* 1987; 12: 156
- Scatliff JH See Cuntino JT Jr
- Scatliff JH See Delany DJ
- Schaake-Koning C; Bartelink H; Adema BJ; et al: radiotherapy and cis-diammine dichloroplatinum (II) as a combined treatment modality for inoperable non-small cell lung cancer: dose finding study, *Int J Radiat Oncol Biol Phys* 1986; 12: 379
- Schabel SI See Curry NS
- Schabel SI See Loevinger E
- Schabel SI See Stanley JH
- Schaberg A See Falke THM
- Schad L; Lott S; Schmitt F; et al: correction of spatial distortion in MR imaging: a prerequisite for accurate stereotaxy, *JCAT* 1987; 11: 499
- Schad LR; Boesecke R; Schlegel W; et al: three dimensional image correlation of CT, MR, and PET studies in radiotherapy treatment planning of brain tumors, *JCAT* 1987; 11: 948
- Schade FB; Monnens L; Hendriks JHCL; et al: renovascular hypertension in a child with Degos-Kohlmeier disease, *Pediatr Radiol* 1987; 17: 260
- Schaefer DJ See Shellock FG
- Schaefer DJ See Shuman WP
- Schaefer S; Peschok RM; Parkey RW; et al: new device for exercise MR imaging, *AJR* 1986; 147: 1289
- Schaefer SD; Maravilla KR; Ciose LG; et al: evaluation of NMR versus CT for parotid masses: preliminary report, (ab), *Radiology* 1986; 159: 823
- Schaefer SD; Maravilla KR; Suss RA; et al: magnetic resonance imaging versus computed tomography: comparison in imaging oral cavity and pharyngeal carcinomas, (ab), *Radiology* 1986; 160: 860
- Schaefer A See Mathieu D
- Schafer M See Linder B
- Schafer ME See Lewin PA
- Schafer ME See Sarwar M
- Schaff HV See Jex RK
- Schaffer RM; Cabbad M; Minkoff H; et al: sonographic diagnosis of fetal cardiac rhabdomyoma, *J Ultrasound Med* 1986; 5: 531
- Schaffner F See Lebovics E
- Schaffner W See Heller KM
- Schaible TF See Runge VM
- Schajowicz F See Sundaram M
- Schajowicz F: chondromyxoid fibroma: report of three cases with predominant cortical involvement, *Radiology* 1987; 164: 783
- Schajowicz F; McGuire MH; Araujo ES; et al: osteosarcomas arising on the surfaces of long bones, (ab), *Radiology* 1988; 168: 887
- Schamroth CL; Sarell P; Pocock WA; et al: pulmonary arterial thrombosis in secundum atrial septal defect, (ab), *Radiology* 1988; 167: 585
- Schantz K See Rasmussen F
- Schapiro RH See Jacobson IM
- Schartl M See Miszalek V
- Schatz RA See Palmaz JC
- Schatz S See McCullough RW
- Schatz SL; Ryvicker MJ; Deutsch AM; Cohen HR: partial anomalous pulmonary venous drainage of the right lower lobe shown by CT scans, *Radiology* 1986; 159: 21
- Schaub T; Ash JM; Gilday DL: radionuclide imaging in histiocytosis X, *Pediatr Radiol* 1987; 17: 397
- Schaumburg E See Goldman MH
- Schauwecker DS See Baker MK
- Schauwecker DS See Davis RB
- Schauwecker DS See Mock BH
- Schauwecker DS See Park H-M
- Schauwecker DS See Wellman HN
- Schauwecker DS; Burt RW; Park H-M; et al: clinical comparison of indium-111 acetylacetone and indium-111 tropolone granulocytes, *J Nucl Med* 1986; 27: 1675
- Schauwecker DS; Burt RW; Park H-M; et al: comparison of purified indium-111 granulocytes and indium-111 mixed leukocytes for imaging of infections, *J Nucl Med* 1988; 29: 23
- Schechter A See Fakhrj J
- Schechter AG; Fakhrj J; Shapiro LR; et al: in utero thickening of the choroid tendinae: a cause of intracardiac echogenic foci, *J Ultrasound Med* 1987; 6: 691
- Schechter S See Cohen HL
- Schechter WP See Jeffrey RB Jr
- Schechtman N See McNamara MT
- Schoer C See de Paredes ES
- Schoer C See Shaw de Paredes E
- Schoer CE See Henry DA
- Schoers IM See Kramer PPG
- Scheffel U See Bittl RA
- Scheffel U See Tsan M-F
- Scheffel U; Goldfarb HW; Lever SZ; et al: comparison of technetium-99m aminoalkyl diaminodithiol (DADT) analogs as potential brain blood flow imaging agents, *J Nucl Med* 1988; 29: 73
- Scheffel U; Wagner HN Jr; Tsan M-F: enhancement of hepatic gallium-67 uptake by asialo-transferrin, *J Nucl Med* 1986; 27: 395
- Scheffel UA See Goldman SM
- Scheffer SM; Leatherman LL: resolution of Heyde's syndrome of aortic stenosis and gastrointestinal bleeding after aortic valve replacement, (ab), *Radiology* 1987; 163: 589
- Schiebler ML See Coleman BG
- Scheidegger J See Becker CD
- Scheidt W See Bode U
- Scheinbaum KR See Lautin EM
- Scheinman JI See Day DL
- Scheithauer BW See Earnest F IV
- Scheithauer BW See Ormon MJ
- Scheithauer BW See Shaw EG
- Schellbert HR: current status and prospects of new radionuclides and radiopharmaceuticals for cardiovascular nuclear medicine, *Semin Nucl Med* 1987; 17: 145
- Schell MC See Ling CC
- Schell MC See York ED
- Schell MC; Ling CC; Gromadzki ZC; et al: dose distributions of model 6702 1-125 seeds in water, *Int J Radiat Oncol Biol Phys* 1987; 13: 795
- Schell-Frederick E See Hansen M
- Schellhammer PF See Hillyard RW Jr
- Schellhammer PF See Kuban DA
- Schellhammer PF See Robey EL
- Schellhammer PF See Seymour CH
- Schellhas KP; Siebert CR; Heithoff KB; et al: congenital choroid plexus papilloma of the third ventricle: diagnosis with real-time sonography and MR imaging, *AJNR* 1988; 9: 797
- Schellhas KP; Wilkes CH; El Deeb M; et al: permanent Proplast temporomandibular joint implants: MR imaging of destructive complications, *AJR* 1988; 151: 731
- Schellhas KP; Wilkes CH; Fritts HM; et al: temporomandibular joint: MR imaging of internal derangements and postoperative changes, *AJNR* 1987; 8: 1093
- Schellhas KP; Wilkes CH; Omile MR; et al: diagnosis of temporomandibular joint disease: two-compartment arthrography and MR, *AJR* 1988; 151: 341
- Schellhas KP; Wilkes CH; Omile MR; et al: diagnosis of temporomandibular joint disease: two-compartment arthrography and MR, *AJNR* 1988; 9: 579
- Schellhas KP; Wilkes CH; Omile MR; et al: temporomandibular joint imaging: practical application of available technology, (ab), *Radiology* 1988; 166: 294
- Schellinger D See Grant EG
- Schellinger D; Grant EG; Manz HJ; et al: intraparenchymal hemorrhage in preterm neonates: a broadening spectrum, *AJNR* 1988; 9: 327
- Schellinger D; Grant EG; Manz HJ; et al: intraparenchymal hemorrhage in preterm neonates: a broadening spectrum, *AJR* 1988; 150: 1109
- Schellinger D; Grant EG; Manz HJ; et al: ventricular septa in the neonatal age group: diagnosis and considerations of etiology, *AJNR* 1986; 7: 1065
- Schellinger D; Wener L; Ragdale BD; Patronas NJ: facet joint disorders and their role in the production of back pain and sciatica, *Radiographics* 1987; 7: 923
- Schenck DA; Bower JH; Bryan CL; et al: transbronchial needle aspiration staging of bronchogenic carcinoma, (ab), *Radiology* 1987; 162: 291
- Schenck J See Gelfer WB
- Schenck JF See Katzberg RW
- Schenk EA See O'Leary DH
- Schepps B See Cronan JJ
- Scher HJ See Dershaw DD
- Scherer K; Kramann B: rupture of the spleen by penetration of pancreatic pseudocysts, *Eur J Radiol* 1987; 7: 67
- Scherl MF See Som PM
- Scherlag BJ See Hung C-Y
- Schernberg FL See Fornage BD
- Scherzinger AL See Carson PL
- Scheurich CJ See Olson DO
- Schewe KL; Reavis J; Kun LE; et al: total dose, fraction size, and tumor volume in the local control of Hodgkin's disease, *Int J Radiat Oncol Biol Phys* 1988; 15: 25
- Schey WL; Vesely JJ; Radkowski MA: hard-like calcifications in retroperitoneal teratomas, *Pediatr Radiol* 1986; 16: 82
- Schiable TF See Dwyer AJ
- Schick EC See Rothendler JA
- Schick RM; Humphrey CC; Wang AM; et al: CT guided lateral C1-C2 puncture, *JCAT* 1988; 12: 715
- Schick RM; Wismer GL; Davis KR: magnetic susceptibility effects secondary to out-of-plane air in fast MR scanning, *AJNR* 1988; 9: 439
- Schiebler M See Ebner F
- Schiebler M; Axel L; Reichle N; et al: correlation of cine MR imaging with two-dimensional pulsed Doppler echocardiography in valvular insufficiency, *JCAT* 1987; 11: 627
- Schiebler ML See Bezi M
- Schiebler ML See Burk DL Jr
- Schiebler ML See Cohen EK
- Schiebler ML See Fobben ES
- Schiebler ML See Glickstein MF
- Schiebler ML See Grenier N
- Schiebler ML See Kang EH
- Schiebler ML See Rafto SE
- Schiebler ML See Tittebaum DS
- Schiebler ML See Yeager BA
- Schiebler ML See Zeman RK
- Schiebler ML; Kresel HY; Saul SH; et al: MR imaging of focal nodular hyperplasia of the liver, *JCAT* 1987; 11: 651
- Schier D See Zorba J
- Schiff E See Russell E
- Schiff M See Taylor KJW
- Schiff RG; Kabat L; Kamani N: gallium scanning in lymphoid interstitial pneumonitis of children with AIDS, *J Nucl Med* 1987; 28: 1915
- Schiff RG; Lee WJ; Eshghi M; et al: morphologic and functional changes in the kidney after percutaneous nephrostolithotomy, *AJR* 1986; 147: 283
- Schiff RG; Leonidas J; Shende A; et al: noninvasive diagnosis of intrathoracic splenosis using technetium-99m heat-damaged red blood cells, *Clin Nucl Med* 1987; 12: 785
- Schiff LM See Braunschweiger PG
- Schiffers MS: use of contrast media in patients with hypovolemic shock, *Radiology* 1988; 166: 579
- Schiffers RB See Rudick RA
- Schiffers RB See Simon JH
- Schiffman H See Vasquez TE
- Schiffman HR See vanSonnenberg E
- Schiffman Z See Laor E
- Schifter T; Heller RM: bilateral multicystic dysplastic kidneys, *Pediatr Radiol* 1988; 18: 242
- Schild JA See Gunther RW
- Schild JA See Deutsch EC
- Schild JA: caustic ingestion in adult patients, (ab), *Radiology* 1986; 160: 860

- Schiller NB See Garrett JS
 Schiller NB See Kersting-Sommerhoff BA
 Schiller NB See Sechtem U
 Schilling JF; Wechsler RJ; computed tomographic anatomy of the buttock, *Skeletal Radiol* 1986; 15: 613
 Schimel S See Deeb ZL
 Schimpf PP See Wagner RB
 Schindler E; Hajek P; craniofacial twins: neuroanatomical findings (CT, angiography, MRI), *Neuroradiol* 1988; 30: 11
 Schinella RA See Holliday RA
 Schink JC; Lurain JR; Wallemark CB; et al: tumor size in endometrial cancer: a prognostic factor for lymph node metastasis, (ab), *Radiology* 1988; 166: 293
 Schipper J; Kardaun JWPF; Braakman R; van Dongen KJ; Blaauw G: lumbar disk herniation: diagnosis with CT or myelography?, *Radiology* 1987; 168: 227
 Schirmer ND; Jones RS: peptic ulcer disease, *Invest Radiol* 1987; 22: 437
 Schirmer M See Roosen N
 Schiessl RM: radiographic features of appendiceal colic in children, *Pediatr Radiol* 1986; 16: 392
 Schlag P See Semmler W
 Schlakman B See Kundel HL
 Schlaps D See Raeth U
 Schlauch D; Gladisch R; Elfner R; et al: model for the comparison of pharmacologic agents influencing gallbladder contraction, *J Ultrasound Med* 1988; 7: 15
 Schlegel W See Bauer-Kirpes B
 Schlegel W See Németh G
 Schlegel W See Schad LR
 Schlesinger AE See Brantley SD
 Schlesinger AE See Genex BM
 Schlesinger AE; Cornish JD; Null DM: dense pulmonary opacification in neonates treated with extracorporeal membrane oxygenation, *Pediatr Radiol* 1986; 16: 448
 Schlesinger AE; Fernbach SK: pericardial effusion presenting as an anterior mediastinal mass, *Pediatr Radiol* 1986; 16: 65
 Schlesinger AE; Glass RB; Young S; et al: case report 342, *Skeletal Radiol* 1986; 15: 57
 Schlesinger AE; Hedlund GL; Pierson WP; Null DM: normal standards for kidney length in premature infants: determination with US, work in progress, *Radiology* 1987; 164: 127
 Schlesinger AE; Naidich TF; Quencer RM: concurrent hydroxyemia and diaphragmatic hernia, *AJNR* 1986; 7: 473
 Schlesinger AE; Null DM: enlarged common hepatic duct secondary to morphine in a neonate, *Pediatr Radiol* 1988; 18: 235
 Schlesinger AE; Poznanaki AK: flattening of the distal femoral epiphyses in the trichorhinophalangeal syndrome, *Pediatr Radiol* 1986; 16: 498
 Schlesinger AE; Poznanaki AK; Pudlowski RM; Millar EA: distal femoral epiphysis: normal standards for thickness and application to bone dysplasias, *Radiology* 1986; 159: 515
 Schlesinger AE; Tucker GF Jr: elliptical cricoid cartilage: unique type of congenital subglottic stenosis, *AJR* 1986; 146: 1133
 Schlom J See Carrasquillo JA
 Schlom J See Esteban JM
 Schlusberg DS; Smith WK; Woodward DJ; et al: use of computed tomography for a three-dimensional treatment planning system, *Comput Med Imag Graph* 1988; 12: 25
 Schlyer DJ See MacGregor RR
 Schmal TM See Tector AJ
 Schmalbrock P See Keller FJ
 Schmal B; Conti FS; Bigler RE; et al: imaging studies of patients with malignant fibrous histiocytoma using C-11-alpha-aminobutyric acid (AIB), *Clin Nucl Med* 1987; 12: 22
 Schmelter R See Goff JS
 Schmelter RF: nuclear medicine and the environment: radiation interactions, *Semin Nucl Med* 1986; 16: 87
 Schmelter RF; Loo C-Y: localization and stability of technetium-99m-Sn-pyrophosphate in rat neutrophils, *J Nucl Med* 1988; 29: 1406
 Schmidle R See Walter E
 Schmid UD; Steiger HJ; Huber P: accuracy of high resolution computed tomography in direct diagnosis of cerebral aneurysms, *Neuroradiol* 1987; 29: 152
 Schmidberger P See Higer HP
 Schmidlin TM See Retrum ER
 Schmidt DH See Gal R
 Schmidt H See Heywang SH
 Schmidt H See Tsay D-G
 Schmidt H; Ullrich K; von Lengerke H-J; et al: radiological findings in patients with mucopolysaccharidosis I/H/S (Hurler-Scheie syndrome), *Pediatr Radiol* 1987; 17: 409
 Schmidt HC; Gooding CA; James TL; et al: comparison of in vivo ³¹P-MR spectra of the brain, liver, and kidney of adult and infant animals, *Pediatr Radiol* 1986; 16: 144
 Schmidt HC; Gooding CA; James TL: in vivo ³¹P-MR spectroscopy of the liver in the infant rabbit to study the effect of hypoxia on the phosphorus metabolites and intracellular pH, *Invest Radiol* 1986; 21: 156
 Schmidt HC; Tsay D-G; Higgins CB: pulmonary edema: MR study of permeability and hydrostatic types in animals, *Radiology* 1986; 158: 297
 Schmidt JH See Seeger JM
 Schmidt KG; Rasmussen JW; Wedebye IM; et al: accumulation of indium-111-labeled granulocytes in malignant tumors, *J Nucl Med* 1988; 29: 479
 Schmidt KH See Podo F
 Schmidt R See Hayne LA
 Schmidt R See Mintz MC
 Schmidt RD See Numaguchi Y
 Schmidt-Peter P See Rotte KH
 Schmiedl U See Hess CF
 Schmiedl U See Koelbel G
 Schmiedl U See Majer MC
 Schmiedl U See Ogan MD
 Schmiedl U See Paajanen H
 Schmiedl U; Moseley ME; Ogan MD; et al: comparison of initial biodistribution patterns of Gd-DTPA and albumin-(Gd-DTPA) using rapid spin echo MR imaging, *JCAT* 1987; 11: 306
 Schmiedl U; Moseley ME; Sievers R; et al: magnetic resonance imaging of myocardial infarction using albumin-(Gd-DTPA), a macromolecular blood-volume contrast agent in a rat model, *Invest Radiol* 1987; 22: 713
 Schmiedl U; Ogan MD; Moseley ME; et al: comparison of the contrast-enhancing properties of albumin-(Gd-DTPA) and Gd-DTPA at 2.0 T: an experimental study in rats, *AJR* 1986; 147: 1263
 Schmiedl U; Ogan MD; Paajanen H; Marotti M; Crooks LE; Brito AC; Brasch RC: albumin labeled with Gd-DTPA as an intravascular, blood pool-enhancing agent for MR imaging: biodistribution and imaging studies, *Radiology* 1987; 162: 205
 Schmiedl U; Ortendahl DA; Mark AS; et al: utility of principal component analysis for the image display of brain lesions: preliminary, comparative study, *Magn Res Med* 1987; 4: 471
 Schmiedl U; Paajanen H; Arakawa M; et al: MR imaging of liver abscesses: application of Gd-DTPA, *Magn Res Imag* 1988; 6: 9
 Schmit DJ See Wilbur AC
 Schmit P See Sirinelli D
 Schmit P; Faure C; Sardet A; et al: pulmonary ventilation in children: digital subtraction study, (ab), *Radiology* 1986; 158: 282
 Schmitt CL See Robins HI
 Schmitt D; Lecomte R; LeBel E: wedge-shaped scintillation crystals for positron emission tomography, *J Nucl Med* 1986; 27: 99
 Schmitt F See Schad L
 Schmitt GS; Ohar JM; Kanter KR; et al: indwelling transbronchial catheter drainage of pulmonary abscess, (ab), *Radiology* 1988; 168: 884
 Schmitt M See Hoeftel JC
 Schmitt WG See Medrea M
 Schmitz M See Hock A
 Schmitz PIM See Trouerbach WT
 Schmucker F See Heuck A
 Schmutzhard E See Willeit J
 Schmutzler H See Rutsch W
 Schnall MD See Eleff SM
 Schnall MD See Renshaw PF
 Schnall MD; Bolinger L; Renshaw PF; Haselgrove JC; Subramanian VH; Eleff SM; Barlow C; Leigh JS Jr; Chance B: multinuclear MR imaging: technique for combined anatomic and physiologic studies, *Radiology* 1987; 162: 863
 Schnall MD; Yoshizaki K; Chance B; et al: triple nuclear NMR studies of cerebral metabolism during generalized seizure, *Magn Res Med* 1988; 6: 15
 Schnecko CD See Charkes ND
 Schnecko CD See Mesgarzadeh M
 Schneider AB; Recant W; Pinsky SM; et al: radiation-induced thyroid carcinoma: clinical course and results of therapy in 296 patients, (ab), *Radiology* 1987; 163: 294
 Schneider HJ See Merhar GL
 Schneider HJ; Weinstein AS: case report 470, *Skeletal Radiol* 1988; 17: 148
 Schneider HJ; Weiss MA; Stern PJ: silicone-induced erosive arthritis: radiologic features in seven cases, *AJR* 1987; 148: 923
 Schneider J See Wegener M
 Schneider JM See McGahan JP
 Schneider K; Dickerhoff R; Bertele RM: malignant gastric sarcoma—diagnosis by ultrasound and endoscopy, *Pediatr Radiol* 1986; 16: 69
 Schneider K; Fendel H; Kohn MM: differential diagnosis of intra- and perivascular abnormalities using bladder air/CO₂ contrast sonography, *Pediatr Radiol* 1986; 16: 309
 Schneider K; Martin W; Helmig FJ; et al: infundibulopelvic stenosis—evaluation of diagnostic imaging, *Eur J Radiol* 1988; 8: 172
 Schneider M See Auh YH
 Schneider M See Bruneton J-N
 Schneider M See Pades JG
 Schneider PA See Battikha JG
 Schneider PA See Brand WN
 Schneider R See Markiz JA
 Schneider R; Goldman AB; Insall JN: knee prostheses, *Semin Roentgenol* 1986; 21: 29
 Schneider V See Vick CW
 Schneider VS See LeBlanc AD
 Schneiders NJ See Rokeby R
 Schnitz SJ See Recht A
 Schnitzler I See Guthner DF
 Schnitzlein HN See Clarke LP
 Schnitzler CM; Solomon L: trabecular stress fractures during fluoride therapy for osteoporosis, (ab), *Radiology* 1986; 159: 572
 Schnitzler CM; Sweet MBE; Blumenfeld TS; et al: radiographic features of the spine in fluoride therapy for osteoporosis, (ab), *Radiology* 1987; 164: 686
 Schnyder P See Bammatter S
 Schnyder P See Gudinchet F
 Schnyder P; Boumpgar M; Doenz F: computed tomography of leiomyosarcoma of the inferior vena cava, *Eur J Radiol* 1987; 7: 206
 Schnyder P; Candardis G: computed tomography of thymic abnormalities, *Eur J Radiol* 1987; 7: 107
 Schnyder P; Fankhauser H; Mansouri B: computed tomography in apical hemangioma with cord compression: report of two cases, *Skeletal Radiol* 1986; 15: 372
 Schober JG See Buhlmeier K
 Schober O See Creutzig H
 Schober O; Schwarzkopf R: thyroid gland with low uptake lesions: evaluation by ultrasound, *Radiology* 1986; 158: 277
 Schoen FJ See Polak JF
 Schoen FJ See Prince MR
 Schoen RT See Steere AC
 Schoenberg NY See Brown KT
 Schoenberg SG; Sutherland CM; Robinson AE: breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, *Radiology* 1988; 168: 665
 Schoenecker SA See Cyr DR
 Schoenecker SA See Shuman WP
 Schoenecker SA; Mack LA; Russell AH; Cyr DR; Shuman WP; Lennard ES; Montana MA: intraoperative US as an aid to intraoperative electron beam radiation therapy, *Radiology* 1986; 160: 251
 Schoenfeld A; Tepper R; Stein L; et al: ultrasound aspects of Gaucher's disease: report of a patient during three pregnancies, *JCU* 1987; 15: 207
 Schoevaerts JC See Trigaux JP
 Schofer J See Mathey DG
 Scholmerich J; Volk BA: differential diagnosis of anechoic/hypoechoic lesions in the abdomen detected by ultrasound, *JCU* 1986; 14: 339
 Scholmerich J; Volk BA; Gerok V: value and limitations of abdominal ultrasound in tumour staging—liver metastasis and lymphoma, *Eur J Radiol* 1987; 7: 243
 Scholz FJ See Archibald GR
 Scholz FJ See Badami JP
 Scholz FJ See Cossì AF
 Scholz FJ See Fam BW
 Scholz FJ See Luedke M
 Scholz FJ See Olson SL
 Schon HR; Senekowitsch R; Berg D; et al: measurement of myocardial fatty acid metabolism: kinetics of iodine-123 heptadecanoic acid in normal dog hearts, *J Nucl Med* 1986; 27: 1449
 Schonfeld E See LeBlanc AD
 Schoonderwoert GJ See Van Roermund FM
 Schopflin RE; Bosiger P; Meier D: critical evaluation of the quality of synthetic MR images, *Magn Res Imag* 1986; 4: 435
 Schopke W See Luning M
 Schörner W See Ludwig GB
 Schörner W; Bradac GB; Treis J; et al: magnetic resonance imaging (MRI) in the diagnosis of cerebral arteriovenous angiomas, *Neuroradiol* 1986; 28: 313
 Schörner W; Laniado M; Niendorf HF; et al: time-dependent changes in image contrast in brain tumors after gadolinium-DTPA, *AJNR* 1986; 7: 1013
 Schörner W; Meencke H-J; Felix R: temporal-lobe epilepsy: comparison of CT and MR imaging, *AJNR* 1987; 8: 773
 Schörner W; Meencke H-J; Felix R: temporal-lobe epilepsy: comparison of CT and MR imaging, *AJR* 1987; 149: 1231
 Schorr AB; Miller JL; Shtasel F; et al: low incidence of painless thyroiditis in the Philadelphia area, *Clin Nucl Med* 1986; 11: 379
 Schorr RM See Mirvis SE

- Schouman-Clayton E See Frija G
 Schramm W See Hamel J
 Schratler M See Gritzmann N
 Schraufnagel DE; Pelouquin A; Fare JAP; et al: radiographic differences between two subtypes of bronchioloalveolar carcinoma. (ab). Radiology 1986; 159: 569
 Schray MF See Smalley SR
 Schregel W; Straub H; Singbartl G: unidirectional 8-MHz continuous wave Doppler equipment can facilitate catheterization of the internal jugular vein. J Ultrasound Med 1986; 5: 421
 Schreiber A; Smith WL; Ionescu V; et al: magnetic resonance imaging of children with Duchenne muscular dystrophy. Pediatr Radiol 1987; 17: 495
 Schreiber AE See Yuh WTC
 Schreiber DP; Kapp DS: axillary-subclavian vein thrombosis following combination chemotherapy and radiation therapy in lymphoma. Int J Radiat Oncol Biol Phys 1986; 12: 591
 Schreiber ER See Mawless MW
 Schreiber ER See Widlun DM
 Schreiber MH See Kumar R
 Schreiber MH See Newton RL
 Schreiber MH See Rubin SA
 Schreiber MH; Winslade WJ: rights, roles, and relationships in radiology. Radiology 1987; 163: 269
 Schreiber MH; Winslade WJ: rights, roles, and relationships in radiology: reply. Radiology 1987; 165: 289
 Schreiber R See Hadar H
 Schreiber R See Lanir A
 Schreiber RR See Hindman BW
 Schreiber T See Borer JS
 Schreiber T See Vasquez RE
 Schreiber TS See Davis SD
 Schreiman JS See Sartoris DJ
 Schreiman JS; Crass JR; Wick MR; Maile CW; Thompson RC Jr: osteosarcoma: role of CT in limb-sparing treatment. Radiology 1986; 161: 485
 Schreiner RJ See Williams DM
 Schreyer H See Lammer J
 Schrodt JF; Becker GJ; Scott JA; Warren CH; Benenati SV: bronchial artery embolization: monitoring with somatosensory evoked potentials. work in progress. Radiology 1987; 164: 135
 Schroeder BA See Czarnicki DJ
 Schroeder BA See Gurney JW
 Schroeder BA See Sty JR
 Schroeder BA; Czarnicki DJ; Wells RG; et al: salivary gland scintigraphy: cystic hygroma of the parotid. Clin Nucl Med 1987; 12: 485
 Schroeder BA; Samarasekera RN; Stanshak RJ; et al: intraparenchymal meningioma in a child: CT and MR findings. JCAT 1987; 11: 192
 Schroeder BA; Wells RG; Stanshak RJ; et al: clivus chordoma in a child with tuberous sclerosis: CT and MR demonstration. JCAT 1987; 11: 195
 Schroeder BA; Wells RG; Sty JR: comparative imaging: pheochromocytoma. Clin Nucl Med 1987; 12: 148
 Schroeder BA; Wells RG; Sty JR: inflammatory fibroid polyp of the stomach in a child. Pediatr Radiol 1987; 17: 71
 Schroeder J See Miskrlis JE
 Schroeder JL See Hendrix RW
 Schroeder SA See Steinberg EP
 Schroeder T See Sillesen H
 Schroff RW See Carrasquillo JA
 Schroth G See Gawehn J
 Schroth G See Müller-Forell W
 Schroth G See Thron A
 Schroth G; Gawehn J; Marquardt B; et al: MR imaging of esthesioneuroblastoma. JCAT 1986; 10: 516
 Schroth G; Grodd W; Gohl L; et al: magnetic resonance imaging in small lesions of the central nervous system: improvement by gadolinium-DTPA. Acta Radiol 1987; 28: 667
 Schroth G; Kretzschmar K; Gawehn J; et al: advantage of magnetic resonance imaging in the diagnosis of cerebral infections. Neuroradiol 1987; 29: 120
 Schrupf J See Cardozo J
 Schubiger O; Valavanis A; Stuckmann G; et al: temporal bone fractures and their complications: examination with high resolution CT. Neuroradiol 1986; 28: 93
 Schubiger O; Valavanis A; Wichmann W: growth-mechanism of giant intracranial aneurysms: demonstration by CT and MR imaging. Neuroradiol 1987; 29: 266
 Schuffler MD; Leon SH; Krishnamurthy S: intestinal pseudoobstruction caused by a new form of visceral neuropathy: palliation by radical small bowel resection. (ab). Radiology 1986; 160: 284
 Schuhmacher JH; Clorius JH; Semmler W; et al: NMR relaxation times T₁ and T₂ of water in plasma from patients with lung carcinoma: correlation of T₂ with blood sedimentation rate. Magn Res Med 1987; 5: 537
 Schuler G See Zeitler E
 Schulerer G; Huk W: unilateral hyperdense middle cerebral artery: an early CT-sign of embolism or thrombosis. Neuroradiol 1986; 30: 120
 Schulman A: non-Western patterns of biliary stones and the role of ascariasis. Radiology 1987; 162: 425
 Schulman CC See Avni EF
 Schulman CC See Delcort C
 Schulman G See Hernanz-Schulman M
 Schulman ML; Radhey MR; Yanco R; et al: an 11-year experience with deep leg veins as femoropopliteal bypass grafts. (ab). Radiology 1987; 162: 887
 Schulte B See Colon E
 Schulteis TE; Stephens LC; Maor MH: analysis of the histopathology of radiation myelopathy. Int J Radiat Oncol Biol Phys 1986; 14: 27
 Schulteis TE; Stephens LC; Peters LJ: survival in radiation myelopathy. Int J Radiat Oncol Biol Phys 1986; 12: 1765
 Schulteis TE; Thames HD; Peters LJ; et al: effect of latency on calculated complication rates. Int J Radiat Oncol Biol Phys 1986; 12: 1861
 Schultz A See Alles JU
 Schultz CL See Andriole J
 Schultz CL See Martino CR
 Schultz CL CT and MR of the adrenal glands. Semin US CT MR 1986; 7: 219
 Schultz E; Greenspan A: case report 378. Skeletal Radiol 1986; 15: 405
 Schultz E; Hermann G; Irwin GAL; et al: case report 380. Skeletal Radiol 1986; 15: 560
 Schultz JC See Campbell WL
 Schultz SM See Fleckenstein JL
 Schultz SM; Curry TS III; Voet R: psammomatous-like calcification in a Brenner tumour of the ovary. Br J Radiol 1986; 59: 412
 Schultz SM; Twickler DM; Wheeler DE; et al: ameloblastoma associated with basal cell nevus (Gorlin) syndrome: CT findings. JCAT 1987; 11: 901
 Schultz SR; Bree RL; Schwab RE; et al: CT detection of skeletal muscle metastases. JCAT 1986; 10: 81
 Schultze Kool LJ See te Strake L
 Schultze Kool LJ See van Buchem MA
 Schultze Kool LJ See Vlasbloem H
 Schultze Kool LJ; Buscher DLT; Vlasbloem H; Hermans J; Merwe PCV; Algra PR; Herstel W: advanced multiple-beam equalization radiography in chest radiology: a simulated nodule detection study. Radiology 1988; 169: 35
 Schulz EE See Gilsanz V
 Schulz EE See Kirk GA
 Schulz EE: osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation: reply. Radiology 1986; 161: 277
 Schulz EE; Engstrom H; Sauser DD; Baylink DJ: osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation. Radiology 1986; 159: 457
 Schulz RD See Zieger MM
 Schulze G See Farman J
 Schulze H; Hertle L; Graff J; et al: combined treatment of branched calculi by percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy. (ab). Radiology 1986; 161: 860
 Schulz-Wendland R See Bauer M
 Schumacher M See Bien S
 Schumacher M See Zentner J
 Schuman WP See Nyberg DA
 Schumann J See Mauro F
 Schurawitzki H See Wittich GR
 Schuster DP; Marklin GF: effect of changes in inflation and blood volume on regional lung density—PET study. JCAT 1986; 10: 730
 Schuster DP; Marklin GF; Minton MA; et al: PET measurement of regional lung density: I. JCAT 1986; 10: 723
 Schuster DP; Minton MA: studying the pulmonary circulation with positron emission tomography. J Thorac Imag 1988; 3: 1-15
 Schuster E; Knoflach P; Grabner G: local texture analysis: an approach to differentiating liver tissue objectively. JCU 1988; 16: 453
 Schuster JJ; Stryker JA; Demers LM; et al: absence of bile acid malabsorption as a late effect of pelvic irradiation. Int J Radiat Oncol Biol Phys 1986; 12: 1605
 Schut JM; Meradji M; Oranje AP; et al: double-sided psoas abscess in a young infant: sonographic and radiographic findings. Pediatr Radiol 1988; 18: 176
 Schut JM; van Imhoff WL: retroperitoneal malignant fibrous histiocytoma: an unusual echographic presentation. JCU 1987; 15: 145
 Schut L See Curran WJ
 Schütte HE: angiographic signs of aortic graft-enteric fistulae. Clin Radiol 1987; 38: 503
 Schuur KH See Freling NJM
 Schwab FJ; Glick SN; Toplick SK; Adler LP: barium enema scout film: cost effectiveness and clinical efficacy. Radiology 1986; 160: 619
 Schwab FJ; Feyster RG; Brill CB: CT of cerebral venous sinus thrombosis in a child with homocystinuria. Pediatr Radiol 1987; 17: 244
 Schwab H; Cunningham M; Willard D: large lumbar osteophyte: unusual cause of false clinical impression of common iliac artery aneurysm. J Ultrasound Med 1986; 5: 595
 Schwab RE See Bree RL
 Schwab RE See Farah MC
 Schwab RE See Platt JF
 Schwab RE See Raisz GJ
 Schwab RE See Schultz SR
 Schwab RE See Shah KK
 Schwaibold F; Scariato A; Nunno M; et al: effect of fraction size on control of early glottic cancer. Int J Radiat Oncol Biol Phys 1988; 14: 451
 Schwaiger M See Brunken R
 Schwaighofer B See Froehwald FXJ
 Schwaighofer B; Stiglbauer R; Frühwald F; et al: new transducer technology—the annular phased array: comparison with a conventional mechanically rotating sector transducer: the upper abdomen. Eur J Radiol 1987; 7: 285
 Schwarten DE; Cutcliffe WK: arterial occlusive disease below the knee: treatment with percutaneous transluminal angioplasty performed with low-profile catheters and steerable guide wires. Radiology 1988; 169: 71
 Schwarten DE; Katzen BT; Simpson JB; et al: Simpson catheter for percutaneous transluminal removal of atheroma. AJR 1988; 150: 799
 Schwartz R See Fobbe F
 Schwartz A See Rockoff SD
 Schwartz AM See Cuben LM
 Schwartz AM See Sivitz CJ
 Schwartz AN See Abdel-Nabi HH
 Schwartz AN See Bronstein AD
 Schwartz AN; Freidenberg D; Harley JD: nonselective angiography after intracorporeal papaverine injection: an alternative technique for evaluating penile arterial integrity. Radiology 1986; 167: 249
 Schwartz AN; Goiney RC; Graney DO: gastric diverticulum simulating an adrenal mass: CT appearance and embryogenesis. AJR 1986; 146: 553
 Schwartz AN; Graham CB: neonatal tension pulmonary interstitial emphysema in bronchopulmonary dysplasia: treatment with lateral decubitus positioning. Radiology 1986; 161: 351
 Schwartz AR; Fishman EK; Wang KP: diagnosis and treatment of a bronchogenic cyst using transbronchial needle aspiration. (ab). Radiology 1986; 161: 573
 Schwartz C See Larson BJ
 Schwartz D See Gould RJ
 Schwartz E See Strauss S
 Schwartz EE; Conroy JF; Bonner H: mediastinal involvement in adults with lymphoblastic lymphoma. Acta Radiol 1987; 28: 403
 Schwartz GF See Rifkin MD
 Schwartz GF See Rosenberg AL
 Schwartz GF; Feig SA; Patchefsky AS: significance and staging of nonpalpable carcinomas of the breast. (ab). Radiology 1988; 168: 293
 Schwartz HJ; Thompson JS; Sher TH; et al: occult sinus abnormalities in the asymptomatic patient. (ab). Radiology 1988; 167: 888
 Schwartz HS; Zimmerman NR; Simon MA; et al: malignant potential of enchondromatosis. (ab). Radiology 1987; 164: 590
 Schwartz IS See Hermann G
 Schwartz JL See Weichselbaum RR
 Schwartz JM; Bosniak MA; Hulinck DH; et al: computed tomography of midline cysts of the prostate. JCAT 1988; 12: 215
 Schwartz JM; Bosniak MA; Hulinck DH; et al: use of computed tomography in the diagnosis of carcinoma of the renal pelvis causing ureteropelvic junction obstruction. Urol Radiol 1988; 9: 204
 Schwartz JM; Bosniak MA; Megibow AJ; et al: right adrenal pseudotumor caused by colon: CT demonstration. JCAT 1988; 12: 153
 Schwartz JS See Hillman AL
 Schwartz M See Adey CK
 Schwartz ML See Harris KM
 Schwartz ML; Coyle MJ; Aldrete JS; Keller FS: bronchobiliary fistula: complete percutaneous treatment with biliary drainage and stricture dilation. Radiology 1988; 168: 751
 Schwartz ML; Shin MS: complications of central venous catheters diagnosed by computed tomography. CT 1987; 11: 267
 Schwartz MM See Mulopulos GP
 Schwartz MS See Firooznia H

- Schwartz PE See Greenwood LH
 Schwartz PE See Taylor KJW
 Schwartz RH See Brown BM
 Schwartz U See Sorensen R
 Schwartzentruber DJ See Cory DA
 Schwartzman RJ See Park CH
 Schwarz G See Kunin M
 Schwarz M See Just M
 Schwarz MI See Watters LC
 Schwarz MS See Rothman SLG
 Schwarz W; Nozick J; Richmond D; et al: in situ saphenous vein bypass graft: radiologic aspects, *AJR* 1986; 146: 605
 Schwarzenberg I See Herold CJ
 Schwarzrock R See Schober O
 Schwegel DK; Lamki LM: scintigraphic appearance of extraneous uptake of technetium-99m MDP following liposuction therapy, *Clin Nucl Med* 1987; 12: 558
 Schweigel J See Onik G
 Schwendner SW See DeGalan MR
 Schwenk NM See Beard CM
 Schwenk R Jr See Conces DJ Jr
 Schwenke A See Stoesslein F
 Schwerk WB: portal vein thrombosis: real-time sonographic demonstration and follow-up, *Gastrointest Radiol* 1986; 11: 312
 Schwerk WB; Schwerk WN; Rodeck G: testicular tumors: prospective analysis of real-time US patterns and abdominal staging, *Radiology* 1987; 164: 369
 Schwerk WN See Schwerk WB
 Schwetz KM See Rudick RA
 Schwimer SR; Jacobson E; Lebovic J: seminoma in an atrophic testis: ultrasound evaluation, *J Ultrasound Med* 1987; 6: 97
 Schwimer SR; Joseph BJ; Lebovic J: unusual presentation of a mucocele of the appendix, *J Ultrasound Med* 1987; 6: 85
 Schwimer SR; Lebovic J: in utero sonographic demonstration of a caput succedaneum, *J Ultrasound Med* 1986; 5: 711
 Schwinger RB See King MA
 Schwoebel M; Hirsig J; Stauffer UG: contaminated small bowel syndrome presenting as an abdominal emergency in infants and children, (ab), *Radiology* 1986; 159: 576
 Sciaccia RR See Keller AM
 Scialfa G See Biondi A
 Scialfa G See Scotti G
 Scicutella CJ See Panicek DM
 Scot C See Buy J-N
 Scifani S See Vigorita VJ
 Scifani SJA See Glanz S
 Scifani SJA; Cooper R; Shafan GW; Goldstein AS; Glanz S; Gordon DH: arterial trauma: diagnostic and therapeutic angiography, *Radiology* 1986; 161: 165
 Scifani SJA; Florence LO; Phillips TF; Scales TM; Glanz S; Goldstein AS; Duncan AO; Shafan GW: lumbar arterial injury: radiologic diagnosis and management, *Radiology* 1987; 165: 709
 Scola FH See Cronan JJ
 Scola FH See Puschel SM
 Scola FH See Silidker MS
 Scollins J See Feingold M
 Scott D See Dehner LP
 Scott DJA See Blanshard KS
 Scott G See Warshaw D
 Scott I; Bergin CJ; Müller NL: mediastinal and hilar lymphadenopathy as the only manifestation of metastatic carcinoma of the cervix, *J Canad Assoc Radiol* 1986; 37: 52
 Scott I; Connell DG; Duncan CP: regression of aneurysmal bone cyst following open biopsy, *J Canad Assoc Radiol* 1986; 37: 198
 Scott IR; Müller NL; Fitzpatrick DG; et al: ruptured breast implant: computed tomographic and mammographic findings, *J Canad Assoc Radiol* 1988; 39: 152
 Scott IR; Müller NL; Miller RR; Evans KG; Nelen R: resectable Stage III lung cancer: CT, surgical, and pathologic correlation, *Radiology* 1988; 166: 75
 Scott J See Berenstein A
 Scott J See Chan R
 Scott J See Lillcrap S
 Scott JA See Augustyn GT
 Scott JA See Fischman AJ
 Scott JA See Rosenthal DI
 Scott JA See Rowe DM
 Scott JA See Schrodt JF
 Scott JA; Berenstein A; Blumenthal D: use of the activated coagulation time as a measure of anticoagulation during interventional procedures, *Radiology* 1986; 158: 849
 Scott JA; Palmer EL: musculoskeletal infection of the extremities: evaluation with MR imaging, *Radiology* 1988; 168: 284
 Scott JHS See van den Oever M
 Scott JP See Vallas GN
 Scott JW See Russell CD
 Scott KN See Petterson H
 Scott PF; Scott WW Jr; Siegelman SS: amyloidosis: overview, *Semin Roentgenol* 1986; 21: 103
 Scott R; Gillespie B; Perez CA; et al: hyperthermia in combination with definitive radiation therapy: results of a phase I/II RTOG study, *Int J Radiat Oncol Biol Phys* 1988; 15: 711
 Scott RD See Wilson CB
 Scott RF; Featherstone T; Hussey JK: ultrasound of the empty gestation sac in threatened abortion, *Clin Radiol* 1987; 38: 127
 Scott RL; Felker R; Winer-Muram HT; et al: differential retrocardiac air-fluid level: sign of intrathoracic gastric volvulus, *J Canad Assoc Radiol* 1986; 37: 119
 Scott RM See Kwan ESK
 Scott RM See Ploysongsang S
 Scott RM See Wolpert SM
 Scott RS; Chou C-K; McCumber M; et al: complications resulting from spurious fields produced by a microwave applicator used for hyperthermia, *Int J Radiat Oncol Biol Phys* 1986; 12: 1883
 Scott SJ See MacMillan JC
 Scott SM; Manaster BJ; Alazrak N; et al: technetium-99m imaging of bone trauma: reduced sensitivity caused by hydrocortisone in rabbits, *AJR* 1987; 148: 1175
 Scott WW Jr See Fishman EK
 Scott WW Jr See Greyson-Fleg RT
 Scott WW Jr See Kuhlman JE
 Scott WW Jr See Scott PP
 Scott WW Jr See Siegelman SS
 Scott WW Jr See Yousem DM
 Scott WW Jr; Fishman EK; Magid D: acetabular fractures: optimal imaging, *Radiology* 1987; 165: 537
 Scott WW Jr; Wheeler PS; Mitchell SE: markers for implanted devices: need for standardization, *AJR* 1986; 146: 387
 Scotti G See Biondi A
 Scotti G; Scialfa G; Biondi A; et al: magnetic resonance in multiple sclerosis, *Neuroradiol* 1986; 28: 319
 Scotti G; Scialfa G; Colombo N; et al: magnetic resonance diagnosis of intramedullary tumors of the spinal cord, *Neuroradiol* 1987; 29: 130
 Scotti G; Scialfa G; Colombo N; et al: MR in the diagnosis of colloid cysts of the third ventricle, *AJNR* 1987; 8: 370
 Scotti G; Yu C-Y; Dillon WP; et al: MR imaging of cavernous sinus involvement by pituitary adenomas, *AJNR* 1988; 9: 657
 Scougall J See Kozlowski K
 Scribano E See Serra S
 Scrimger JW See Porter AT
 Scubla E See Becciolini A
 Scudamore CH See Ajzen SA
 Scudamore CH See Becker CD
 Scudamore CH See Buckley AR
 Scudamore CH See Burhenne HJ
 Scudamore CH See Gibney RG
 Scullin DR: lumbar discography, *Radiology* 1987; 162: 284
 Scully RE See Clement PB
 Scutellari PN See Orzincolo C
 Scutellari PN; Orzincolo C; Trotta F: case report 375, *Skeletal Radiol* 1986; 15: 394
 Seabold JE See Harre RG
 Seabold JE; Conrad GR; Kimball DA; et al: pitfalls in establishing the diagnosis of deep venous thrombophlebitis by indium-111 platelet scintigraphy, *J Nucl Med* 1988; 29: 1169
 Seabold JE; Conrad GR; Ponto JA; Kimball DA; Frey EE; Ahmed F; Coughlin JD; Jensen KC: deep venous thrombophlebitis: detection with 4-hour versus 24-hour platelet scintigraphy, *Radiology* 1987; 165: 355
 Seagen S; Harrell JH; Horn RA: high dose rate intraluminal irradiation in recurrent endobronchial carcinoma, (ab), *Radiology* 1986; 159: 820
 Seal RME; Cockcroft A; Kung J; et al: central lymph node changes and progressive massive fibrosis in coalworkers, (ab), *Radiology* 1987; 162: 586
 Seals AA; Verani MS; Tadros S; et al: comparison of left ventricular diastolic function as determined by nuclear cardiac probe, radionuclide angiography, and contrast cineangiography, *J Nucl Med* 1986; 27: 1908
 Sealy R See Conrad F
 Sealy R; Cridland S; Barry L; et al: irradiation with misonidazole and hyperbaric oxygen: final report on a randomized trial in advanced head and neck cancer, *Int J Radiat Oncol Biol Phys* 1986; 12: 1343
 Sealy R; Cridland S; Blekenhorst G; et al: interstitial misonidazole: clinical experience in advanced mouth cancer, *Clin Radiol* 1988; 39: 182
 Sears K See Gurney JW
 Seay TD See Meyers DG
 Sease WC; Elyaderani MK; Belis JA: ultrasonography and needle aspiration in diagnosis of xanthogranulomatous pyelonephritis, (ab), *Radiology* 1987; 164: 883
 Seashore JH; Collins FS; Markowitz RI; et al: familial apple peel jejunal atresia: surgical, genetic, and radiographic aspects, (ab), *Radiology* 1988; 168: 296
 Seaton A; Ruckley VA; Addison J; et al: silicosis in barium miners, (ab), *Radiology* 1987; 162: 883
 Sebag A See Boyez M
 Sebert JL See Deramond H
 Sebes JI See Massie JD
 Sebes JI; Niell HB; Palmieri GMA; et al: skeletal surveys in multiple myeloma: radiologic-clinical correlation, *Skeletal Radiol* 1986; 15: 354
 Sebok DA See Yeung HN
 Sebrechts C; Biberstein M; Klein JL; et al: limitations of indium-111 leukocyte scanning in febrile renal transplant patients, *AJR* 1986; 146: 823
 Sebrechts C; Garvey WT; Sartoris DJ; et al: case report 417, *Skeletal Radiol* 1987; 16: 320
 Sechtem U See Caputo GR
 Sechtem U See Tacholakoff D
 Sechtem U; Pfugfelder FW; Cassidy MM; et al: ventricular septal defect: visualization of shunt flow and determination of shunt size by cine MR imaging, *AJR* 1987; 149: 689
 Sechtem U; Pfugfelder FW; Cassidy MM; White RD; Chetlin MD; Schiller NB; Higgins CB: mitral or aortic regurgitation: quantification of regurgitant volumes with cine MR imaging, *Radiology* 1988; 167: 425
 Sechtem U; Pfugfelder FW; Gould RG; Cassidy MM; Higgins CB: measurement of right and left ventricular volumes in healthy individuals with cine MR imaging, *Radiology* 1987; 163: 697
 Sechtem U; Pfugfelder FW; Higgins CB: quantification of cardiac function by conventional and cine magnetic resonance imaging, *Cardiovasc Intervent Radiol* 1987; 10: 365
 Sechtem U; Pfugfelder FW; White RD; et al: cine MR imaging: potential for the evaluation of cardiovascular function, *AJR* 1987; 148: 239
 Sechtem U; Sommerhoff BA; Markiewicz W; et al: regional left ventricular wall thickening by magnetic resonance imaging: evaluation in normal persons and patients with global and regional dysfunction, (ab), *Radiology* 1987; 164: 590
 Sechtem U; Tacholakoff D; Higgins CB: MRI of the abnormal pericardium, *AJR* 1986; 147: 245
 Sechtem U; Tacholakoff D; Higgins CB: MRI of the normal pericardium, *AJR* 1986; 147: 239
 Sechtem UP See Kersting-Sommerhoff BA
 Sechtem UP See Pfugfelder FW
 Seddon JM See Munzenrider JE
 Sedgwick J See Langton JA
 Sedlacek R See Ramsay J
 Sedman AB See Hernandez RJ
 Sedwitz MM; Hye RJ; Stabile BE: changing epidemiology of pseudoaneurysms: therapeutic implications, (ab), *Radiology* 1988; 168: 886
 See WA; Mack LA; Krieger JN: scrotal ultrasonography: a predictor of complicated epididymitis requiring orchiectomy, (ab), *Radiology* 1988; 168: 884
 Seed WA See Winning AJ
 Seeger JF See Burt TB
 Seeger JF See Carmody RF
 Seeger JF See Johnson JE
 Seeger JF See Robinson BP
 Seeger JF See Yang PJ
 Seeger JM; Schmidt JH; Flynn TC: preoperative saphenous and cephalic vein mapping as an adjunct to reconstructive arterial surgery, (ab), *Radiology* 1987; 163: 885
 Seeger LL See Tang JSH
 Seeger LL; Bassett LW; Gold RH: case report 464, *Skeletal Radiol* 1988; 17: 85
 Seeger LL; Gold RH; Bassett LW; et al: shoulder impingement syndrome: MR findings in 53 shoulders, *AJR* 1988; 150: 343
 Seeger LL; Gold RH; Bassett LW: shoulder instability: evaluation with MR imaging, *Radiology* 1988; 168: 695
 Seeger LL; Ruszkowski JT; Bassett LW; et al: MR imaging of the normal shoulder: anatomic correlation, *AJR* 1987; 148: 83
 Seeley G See Newell JD
 Seeley GW See Ker M
 Seeley GW See Yang PJ
 Seeley GW; Fisher HD; Stempaki MO; et al: total digital radiology department: spatial resolution requirements, *AJR* 1987; 148: 421
 Seeley GW; McNeill K; Dallas WJ: displays in radiology: past, present, and future, *Radiographics* 1987; 7: 1261
 Seelig R See Sundaram M
 Seelig R See Van WC
 Seeliger H See Wernert N

- Seever RH: gastric ulcer localization by direct in vivo labeling of sucralfate: reply, *Radiology* 1986; 161: 569
- Segaert MF See Verbanck JJ
- Segal BL See Iskandrian AS
- Segal J See Olfendick E
- Segal LS; Goodman JO; Stauffer ES: non-union of fractures of the atlas, (ab), *Radiology* 1988; 167: 888
- Segal M See Starinsky R
- Segall GM; Goodwin DA: nonvisualization of the liver by indium-111 oxine labeled leukocytes in alcoholic liver disease, *Clin Nucl Med* 1986; 11: 79
- Segall GM; Gurevich N; McDougall IR: adherence of radiopharmaceuticals and labeled cells to intravenous tubing, *Clin Nucl Med* 1986; 11: 830
- Segall GM; McDougall IR: diagnostic value of lung uptake of indium-111 oxine-labeled white blood cells, *AJR* 1986; 147: 601
- Segall HD See Batnitzky S
- Segall HD See Calvy TM
- Segall HD See Kieffer SA
- Segall HD See Marks MP
- Segall HD See North CM
- Segall HD See Senac MO Jr
- Segall HD See Yuh WTC
- Segall HD See Zee C-S
- Segall HD; Batnitzky S; Zee C-S; et al: computed tomography in the diagnosis of intracranial neoplasms in children, (ab), *Radiology* 1986; 159: 288
- Segarthy M See Puvaneswary M
- Segebarth C See Van Gansbeke D
- Segebarth CM; Baleriaux DF; Arnold DL; Luyten PR; den Hollander JA: MR image-guided P-31 MR spectroscopy in the evaluation of brain tumor treatment, *Radiology* 1987; 165: 215
- Segel MC; Campbell WL; Medsger TA Jr; et al: systemic sclerosis (scleroderma) and esophageal adenocarcinoma: is increased patient screening necessary?, (ab), *Radiology* 1986; 160: 284
- Segel MC; Paulus DD; Hortobagyi GN: advanced primary breast cancer: assessment at mammography of response to induction chemotherapy, *Radiology* 1988; 169: 49
- Segel MC; Zajko AB; Bowen A; et al: hepatic artery thrombosis after liver transplantation: radiologic evaluation, *AJR* 1986; 146: 137
- Segers O See Somers G
- Segenstrom K See Ohlson L
- Segui MIF See Gimenez MH
- Segura JW See LeRoy AJ
- Segura JW See Patterson DE
- Sehested M; Juul N; Hainau B; et al: electron microscopy of ultrasound-guided fine-needle biopsy specimens, *Br J Radiol* 1987; 60: 351
- Seghal CM See Errabolu RL
- Seghal CM; Brown GM; Baha R; et al: measurement and use of acoustic nonlinearity and sound speed to estimate composition of excised livers, *Ultrasound Med Biol* 1986; 12: 865
- Seghal CM; Greenleaf JF: correlative study of properties of water in biological systems using ultrasound and magnetic resonance, *Magn Res Med* 1986; 3: 976
- Seghal E; Sherman W; Isom OW; et al: left ventricular pseudoaneurysm causing superior vena caval obstruction and effusive-constrictive pericarditis, *J Nucl Med* 1987; 28: 918
- Selbel DG; Hopper KD; Ghaed N: mammographic and CT detection of extrathoracic lung herniation, *JCAT* 1987; 11: 537
- Selbel M See Hann LE
- Selbert GB See Gottlieb CF
- Selbert JA: improved fluoroscopic and cine-radiographic displays with pulsed exposures and progressive TV scanning, *Radiology* 1986; 159: 277
- Selbert JJ See Alexander JE
- Selbert JJ See Glasier CM
- Selbert JJ See Seibert RW
- Selbert JJ See Williamson MR
- Selbert JJ See Williamson SL
- Selbert JJ; Lindley SG; Corbitt SS; et al: clot formation in the renal artery in the neonate demonstrated by ultrasound, *JCU* 1986; 14: 470
- Selbert JJ; McCarthy RE; Alexander JE; et al: acquired bone dysplasia secondary to catheter-related complications in the neonate, *Pediatr Radiol* 1986; 16: 43
- Selbert JJ; Taylor EJ; Williamson SL; et al: sonographic detection of neonatal umbilical artery thrombosis: clinical correlation, *AJR* 1987; 148: 965
- Selbert JJ; Williamson SL; Golladay ES; et al: distended gasless abdomen: fertile field for ultrasound, *J Ultrasound Med* 1986; 5: 301
- Selbert RW; Seibert JJ: high resolution ultrasonography of the parotid gland in children, *Pediatr Radiol* 1986; 16: 374
- Seibert RW; Seibert JJ; Williamson SL: opaque chest: when to suspect a bronchial foreign body, *Pediatr Radiol* 1986; 16: 193
- Seidel D See Uhlenbrock D
- Seidel FG See Wells RG
- Seidenwurm D; Novotny E Jr; Marshall W; et al: MR and CT in cytoplasmically inherited striatal degeneration, *AJNR* 1986; 7: 629
- Seidenwurm D; Smathers RL; Lo RK; Carroll CL; Bassett J; Hoffman AR: testes and scrotum: MR imaging at 1.5 T, *Radiology* 1987; 164: 393
- Seider MJ; Peters LJ; Wharton JT; et al: safety of adjunctive transvaginal beam therapy in the treatment of squamous cell carcinoma of the uterine cervix, *Int J Radiat Oncol Biol Phys* 1988; 14: 729
- Seider MJ; Rich TA; Ayala AG; Murray JA: giant cell tumors of bone: treatment with radiation therapy, *Radiology* 1986; 161: 537
- Seidl G See Fruhwald F
- Seidl G See Kumpan W
- Seidmon EJ See Jaffe J
- Seife B See Diakomakia EE
- Seigel RS; Sell J; Magnus DE: CT appearance of traumatic dislocated lens, *AJNR* 1988; 9: 390
- Seigel S See Leadman M
- Seigler HF See Jenkins SM
- Seigler HF: investigative studies in the diagnosis and treatment of melanoma, *Invest Radiol* 1986; 21: 596
- Seiler RW See Grolimund F
- Seimon LP See Frager DH
- Sein MA See Yuh WTC
- Seitz K; Rettenmaier G; Stolte M: groove pancreatitis: pathological anatomy and sonographic findings, (ab), *Radiology* 1986; 158: 567
- Seiwert VJ See Nishiyama H
- Sekar BC See Berland LL
- Sekar BC See Koslin DB
- Sekhar LN See Hirsch WL Jr
- Sekiba K See Yuhara A
- Sekiguchi R; Rice GC; Hahn GM: use of dansyl lysine to assess heat damage and thermotolerance of normal tissues, *Int J Radiat Oncol Biol Phys* 1988; 14: 983
- Sekihara K; Kohno H: new reconstruction technique for echo-planar imaging to allow combined use of odd and even numbered echoes, *Magn Res Med* 1987; 5: 485
- Sekimoto H See Naruse S
- Sekiya T See Checkley DR
- Sekiya T See Foster CJ
- Sekiya T See Gholkar J
- Seko K See Yasuda Y
- Selbat SM See Kalick RM
- Selby B See Richardson ML
- Selby B; Richardson ML; Montana MA; et al: high resolution sonography of the menisci of the knee, *Invest Radiol* 1986; 21: 332
- Selby B; Richardson ML; Nelson BD; et al: sonography in the detection of meniscal injuries of the knee: evaluation in cadavers, *AJR* 1987; 149: 549
- Selby JB; Gardner JJ: clinical experience with technetium-99m DTPA aerosol with perfusion scintigraphy in suspected pulmonary embolism, *Clin Nucl Med* 1987; 12: 1
- Selch MT See Gordon PS
- Selch MT See Sylvester JE
- Selch MT; Fu YS: regressing atypical histiocytosis: a case report of control following low dose radiation therapy, *Int J Radiat Oncol Biol Phys* 1987; 13: 1739
- Seldin DW See Rosen JM
- Seldin DW; Esser PD; Alderson PO: comparison of bone density measurements from different skeletal sites, *J Nucl Med* 1988; 29: 168
- Seldin MF See Steinberg AD
- Sell TW See vanSonnenberg E
- Seliskson M; Fearon T: averaging error in NMR slice profile measurements, *Magn Res Med* 1988; 7: 280
- Selim H See Yang S-J
- Selim MA; Derda H; Neuman MR; et al: improvement of the Botstein-Zacharopoulos radiation applicator, *Int J Radiat Oncol Biol Phys* 1986; 12: 251
- Selis JE See Kissner DG
- Seljan MP See Naggar CZ
- Sell J See Seigel RS
- Sell LL See Slovic TL
- Sell TL See Purtil CM
- Sellar RJ; De Coesterker JS; Heading RC: barium radiology: sensitive test for gastro-oesophageal reflux, *Clin Radiol* 1987; 38: 303
- Sellar RJ; Mackay IG; Buist TAS: incidence of microaneurysms in polyarteritis nodosa, *Cardiovasc Intervent Radiol* 1986; 9: 123
- Selleslag DL See Rigault HD
- Selli C See Bartolozzi C
- Selli C; Bartolozzi C; Lizzadro G; et al: arteriovenous fistula associated with renal cell carcinoma: demonstration by magnetic resonance imaging, *Urol Radiol* 1986; 8: 190
- Seller N See Kalifa GL
- Seller N See Roca M
- Sellink JL See Maglente DDT
- Selman WR See Masaryk TJ
- Seltzer MH: what is a useful adjunct to mammography?, *Radiology* 1987; 163: 584
- Seltzer SE See Belldergun A
- Seltzer SE See Cheng KT
- Seltzer SE See Hussain S
- Seltzer SE See Longmaid HE III
- Seltzer SE See Zalutsky MR
- Seltzer SE: analysis of the tethered-bowel sign on abdominal CT as a predictor of malignant ascites, *Gastrointest Radiol* 1987; 12: 245
- Seltzer SE; Gregoriadis G; Dick R: evaluation of the dehydration-rehydration method for production of contrast-carrying liposomes, *Invest Radiol* 1988; 23: 131
- Seltzer SE; Jochelson M; Balikian JP: organ envelopment in lymphoma visualised by computed tomography, *Clin Radiol* 1986; 37: 525
- Seltzer SE; Judy PF: gaining insight: improved images enhance understanding, *Radiographics* 1987; 7: 1221
- Seltzer SE; Swenson RG; Judy PF; et al: size discrimination in computed tomographic images: effects of feature contrast and display window, *Invest Radiol* 1988; 23: 435
- Selvik G See Herrlin K
- Selwyn AP See Meyerovitz MF
- Selwyn AP; Shea MJ; Foale R; et al: regional myocardial and organ blood flow after myocardial infarction: application of the microsphere principle in man, (ab), *Radiology* 1986; 160: 574
- Selzer A See Lombard JT
- Semelka R See Bellan L
- Semelka RC; Greenberg HM: percutaneous drainage of an infected mediastinal pseudocyst, *J Canad Assoc Radiol* 1987; 38: 54
- Semelka RC; MacEwan DW: changes in diagnostic investigation and improved detection of colon cancer, Manitoba 1964-1984, *J Canad Assoc Radiol* 1987; 38: 251
- Semine A See Salzman L
- Seminoff T See Williamson JF
- Semmler W See Niendorf HP
- Semmler W See Schuhmacher JH
- Semmler W; Gademann G; Bachert-Baumann P; Zabel H-J; Lorenz WJ; van Kaick G: monitoring human tumor response to therapy by means of P-31 MR spectroscopy, *Radiology* 1988; 166: 533
- Semmler W; Gademann G; Schlag P; et al: impact of hyperthermic regional perfusion therapy on cell metabolism of malignant melanoma monitored by ³¹P MR spectroscopy, *Magn Res Imag* 1988; 6: 335
- Senac MO See Bird CR
- Senac MO See Gilsanz V
- Senac MO See Yuh WTC
- Senac MO Jr See Diamant MJ
- Senac MO Jr; Deutsch D; Bernstein BH; et al: MR imaging in juvenile rheumatoid arthritis, *AJR* 1988; 150: 873
- Senac MO Jr; Isaacs H; Gwinn JL: primary lesions of bone in the 1st decade of life: retrospective survey of biopsy results, *Radiology* 1986; 160: 491
- Senac MO Jr; Segall HD: CT diagnosis of an atypical nasopharyngeal teratoma in a newborn, *AJNR* 1987; 8: 710
- Senapati A See Phillips GWL
- Senay BA See Kendall AR
- Sencer S; Coulter-Knoff A; Day D; et al: splenic hemangioma with thrombocytopenia in a newborn, (ab), *Radiology* 1987; 163: 887
- Senda M See Hayashi N
- Senda M See Murata K
- Senda M See Tamaki N
- Senda M; Murata K; Itoh H; et al: quantitative evaluation of regional pulmonary ventilation using PET and nitrogen-13 gas, *J Nucl Med* 1986; 27: 268
- Senda M; Yonekura Y; Tamaki N; et al: interpolating scan and oblique-angle tomograms in myocardial PET using nitrogen-13 ammonia, *J Nucl Med* 1986; 27: 1830
- Seneff M See Goldberg RJ
- Seneff MG; Corwin W; Gold LH; et al: complications associated with thoracocentesis, (ab), *Radiology* 1987; 162: 291
- Senekowitch R See Schon HR
- Sente J-M See Bret FM
- See HS See Sohn HK
- See IS See Sy WM
- See Y; Murakami M; Suzuki E; et al: experimental approach to ³¹P spin-lattice relaxation time measurements in biological systems, *Magn Res Med* 1988; 6: 430
- Seoane JLF See Reginato AJ
- Seoudera S See Rao VRK
- Seppälä R See Rice CA
- Sephton RG: potential accuracy of dual-energy computed tomography for the determination of hepatic iron, *Br J Radiol* 1986; 59: 351

Sepic SB See Gore DR
 Seppanen U; Serlo W; Saukkonen A-L: valvography in the assessment of hydrocephalus shunt function in children. *Neuroradiol* 1987; 29: 53
 Serafini AN; Jeffers LJ; Reddy KR; et al: early recognition of recurrent hepatocellular carcinoma utilizing gallium-67 citrate scintigraphy. *J Nucl Med* 1988; 29: 712
 Serena A; Robles JE; Richter JA; et al: ureteral reflux of recipient's own kidneys: potential source of error in renal transplant evaluation. *Clin Nucl Med* 1986; 11: 59
 Sergiadis G: simple high-frequency antenna for NMR imaging. *Magn Res Med* 1988; 6: 247
 Serjeant GR See Walker TM
 Serlo W See Seppanen U
 Serota AE See DeJok D
 Serra S; Xerra A; Scribano E; et al: computerized tomography in amyotrophic choreo-acanthocytosis. *Neuroradiol* 1987; 29: 480
 Serrano MAF; Vega A; Ortega E; et al: computed tomography of hepatic fascioliasis. *JCAT* 1987; 11: 269
 Seshadri SB See Aronson RL
 Seshadri SB See De Simone DN
 Seshadri SB See Kundel HL
 Seshadri SB See Powlika WD
 Sether LA See Ho PSP
 Sether LA See Yu S
 Sethia B See Martin W
 Severini A See Audisio RA
 Sevier RE See Ober KP
 Sewchand W; Aygun C; Nicholson G; Salazar OM: patient immobilization during CT for treatment planning of head and neck cancer. *Radiology* 1986; 158: 251
 Seydel HG See Henskovik A
 Seydel HG See Richmond J
 Seydel HG: tumoren im retroperitoneum (retroperitoneal tumors). *Radiology* 1987; 164: 26
 Seydel HG; Leichman L; Byhardt R; et al: preoperative radiation and chemotherapy for localized squamous cell carcinoma of the esophagus: a RTG study. *Int J Radiat Oncol Biol Phys* 1988; 14: 33
 Seyferth W; Zeitler E: pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate. *Radiology* 1987; 164: 875
 Seymore CH; El-Mahdi AM; Schellhammer PF: effect of prior transurethral resection of the prostate on post radiation urethral strictures and bladder neck contractures. *Int J Radiat Oncol Biol Phys* 1986; 12: 1597
 Seymour CB See Mothersill C
 Seymour CB; Mothersill C: effect of glycolysis inhibitors on the recovery of CHO-K1 cells from split-dose irradiation. *Acta Oncol* 1987; 26: 367
 Seymour CB; Mothersill C; Cusack A; et al: effect of radiation on the growth of normal and malignant human oesophageal explant cultures pre-treated with bleomycin. *Br J Radiol* 1988; 61: 383
 Seymour CB; Mothersill C; Moriarty MJ; et al: effect of ethanol on the radiation response of CHO-K1 cells. *Br J Radiol* 1987; 60: 577
 Sezour A See Guinet C
 Sfakianakis ED See Sfakianakis GN
 Sfakianakis GN; Bourgoignie JJ; Jaffe D; et al: single-dose captopril scintigraphy in the diagnosis of renovascular hypertension. *J Nucl Med* 1987; 28: 1383
 Sfakianakis GN; Sfakianakis ED: nuclear medicine in pediatric urology and nephrology. *J Nucl Med* 1988; 29: 1287
 Shabas D See Gerard G
 Shabas D; Gerard G; Cunha B; et al: MRI appearance of AIDS subacute encephalopathy. *Comput Radiol* 1987; 11: 69
 Shabas D; Gerard G; Rossi D: magnetic resonance imaging examination of denervated muscle. *Comput Radiol* 1987; 11: 9
 Shaber G See Edelken J
 Shackelford GD See Albright EB
 Shackelford GD See Guzzetta G
 Shackelford GD See Karnaze MG
 Shackelford GD See Katz ME
 Shackelford GD See Martin KW
 Shackelford GD See Melsen GL
 Shackelford GD See Reiman TAH
 Shackelford GD See Worthington JL
 Shackelford GD: neurosonography of hydrocephalus in infants. *Neuroradiol* 1986; 28: 452
 Shafer RB See Grund FM
 Shaff MI See Delbeke D
 Shaff MI See Falke THM
 Shaff MI See Hinton AA
 Shaffer EA See Kloiber R
 Shaffer EM See Hernandez RJ
 Shaffer HA Jr See Carr SL
 Shaffer HA Jr See De Lange EE
 Shaffer HA Jr; Alfaro BA; de Lange EE; et al: basket extraction of esophageal foreign bodies. *AJR* 1986; 147: 1010

Shaffer HA Jr; Eckard DA; de Lange EE; et al: allergy to barium sulfate suspension with angioedema of the stomach and small bowel. *Gastrointest Radiol* 1988; 13: 221
 Shaffer K See Robbins AH
 Shaffer PB See Beltran J
 Shaffer PB; Bashore TM; Noto AM; et al: right ventricular aneurysm due to ischemic disease: diagnosis of radionuclide angiography with localization of the site of PVC origin by phase analysis. *Clin Nucl Med* 1987; 12: 103
 Shaffer TH See Bhutani VK
 Shafik A; El-Merzabani MM; El-Aasser AA; et al: anal submucosal injection: new route for drug administration in pelvic malignancies. part I. experimental study of misonidazole distribution in serum and tissues, with special reference to urinary bladder: preliminary report. *Invest Radiol* 1986; 21: 278
 Shafran GW See Sclafani SJA
 Shah CP See Anderson SC
 Shah CP See Kaffenberger DA
 Shah DC See Tsai FY
 Shah HR See Balachandran S
 Shah HR See Liu G-C
 Shah HR; Boyd CM; Williamson M; et al: lingual thyroid: unusual appearance on computed tomography. *Comput Med Imag Graph* 1988; 12: 263
 Shah HR; Williamson MR; Boyd CM; et al: CT findings in abdominal actinomycosis. *JCAT* 1987; 11: 466
 Shah KJ See Coad NAG
 Shah KK; DeRidder PH; Schwab RE; et al: CT diagnosis of dorsal pancreas agenesis. *JCAT* 1987; 11: 170
 Shah SH See Mitchell DM
 Shah SJ; Gerlock AJ Jr: incompatibility of Hexabrix and papaverine in peripheral arteriography. *Radiology* 1987; 162: 619
 Shah V See Nag S
 Shah ZR See Bellon EM
 Shah ZR; Bellon EM: changing pattern in focal fatty change of the liver: case report. *CT* 1986; 10: 261
 Shah ZR; Bellon EM; Toor AH; et al: CT demonstration of brain infarcts due to deep venous thrombosis in systemic lupus erythematosus. *Comput Med Imag Graph* 1988; 12: 241
 Shahabi S See Wu A
 Shahabi S See Zamenhof RG
 Shahian DM See Cossif AF
 Shalev E; Ben-Ami M; Zuckerman H: real-time ultrasound diagnosis of bleeding uterine perforation during therapeutic abortion. *JCU* 1986; 14: 66
 Shalev E; Edelstein S; Engelhard J; et al: ultrasonically controlled retrieval of an intrauterine contraceptive device (IUCD) in early pregnancy. *JCU* 1987; 15: 525
 Shalev E; Isaacov D; Weiner E; et al: ultrasound-guided selective fetide of hydrocephalic fetus in triplet pregnancy. *JCU* 1988; 16: 41
 Shalev E; Romano S; Nseir T; et al: Klippel-Trenaunay syndrome: ultrasonic prenatal diagnosis. *JCU* 1988; 16: 268
 Shalev S See Hahn P
 Shalev S; Bartel L; Therrien P; et al: objective evaluation of alternative treatment plans: I. images of regret. *Int J Radiat Oncol Biol Phys* 1988; 15: 763
 Shalwitz RA; Reo NV; Becker NN; et al: visibility of mammalian hepatic glycogen to the NMR experiment. *in vivo*. *Magn Res Med* 1987; 5: 462
 Shamam OM See Beltran J
 Shamam OM See Weiss KL
 Shamam OM; Bennett WF; Teteris NJ; et al: primary fallopian tube adenocarcinoma presenting as a hydrosalpinx: CT appearance. *JCAT* 1988; 12: 674
 Shamberger RC See Hoffer FA
 Shamma AR See Abu-Yousef MM
 Shand J; Teasdale E: spasm of the deep circumflex artery causing entrapment of a guidewire. *Br J Radiol* 1988; 61: 251
 Shane FI See Ohta H
 Shanes JG; Pavel D; Blend M; et al: comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation. *(ab)*. *Radiology* 1987; 165: 885
 Shank DG See O'Connor MK
 Shank B See Chadha M
 Shank B See Denshaw DD
 Shank B; Brochstein JA; Castro-Malasina H; et al: immunosuppression prior to marrow transplantation for sensitized aplastic anemia patients: comparison of TLI with TBL. *Int J Radiat Oncol Biol Phys* 1988; 14: 1133
 Shank B; Enker W; Santana J; et al: local control with pre-operative radiotherapy alone versus "sandwich" radiotherapy for rectal carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 111

Shankar L See Leekam RN
 Shankman S See Rosenberg ZS
 Shankman S; Greenspan A; Klein MJ; et al: giant cell tumor of the ischium: a report of two cases and review of the literature. *Skeletal Radiol* 1988; 17: 46
 Shankowsky HA See Starreveld AA
 Shannon HS See Horne J
 Shannon JJ Jr; Vo NM; Stanton PE Jr; et al: peripheral arterial missile embolization: a case report and 22-year literature review. *(ab)*. *Radiology* 1987; 163: 586
 Shannon RH: information integration for the imaging specialist. *Radiol Clin North Am* 1986; 24: 121
 Shao S See Zhang T-I
 Shapeero LG See Evans JB
 Shapeero LG See Hricak H
 Shapeero LG; Dye SF; Lipton MJ; et al: functional dynamics of the knee joint by ultrafast, cine-CT. *Invest Radiol* 1988; 23: 118
 Shapir J See Christensen LR
 Shapir J; Braver J: distension of intestinal tube balloons causing small bowel obstruction. *J Canad Assoc Radiol* 1986; 37: 203
 Shapira I; Isakov A; Almog C: hyponatremia as the result of preparation for abdominal ultrasound examination. *JCU* 1988; 16: 61
 Shapiro B See Arnshten NB
 Shapiro B See Francis IR
 Shapiro B See Gross MD
 Shapiro B See Lucas-Fehm LM
 Shapiro B See Lynn MD
 Shapiro B See Quint LE
 Shapiro B See Shulkin BI
 Shapiro B See Sisson JC
 Shapiro B See Von Moll L
 Shapiro BJ See Baines CJ
 Shapiro D See Irwin GAL
 Shapiro DL See Wood BP
 Shapiro EP See Zerhouni EA
 Shapiro JI; Haug CE; Weil R III; et al: ³¹P nuclear magnetic resonance study of acute renal dysfunction in rat kidney transplants. *Magn Res Med* 1987; 5: 346
 Shapiro LM See Mulcahy D
 Shapiro LR See Fakhry J
 Shapiro LR See Schechter AG
 Shapiro MD See Feyster RG
 Shapiro MD See Shapiro R
 Shapiro MD See Som PM
 Shapiro MJ See Doemeny JM
 Shapiro MJ; Banner MP; Amendola MA; Gordon RL; Pollack HM; Wein AJ: balloon catheter dilation of ureteroenteric strictures: long-term results. *Radiology* 1988; 168: 385
 Shapiro MP; Gale ME: tertiary syphilis of the liver: CT appearance. *JCAT* 1987; 11: 546
 Shapiro MP; Gale ME; Carter BL: variable CT appearance of plasma cell granuloma of the lung. *JCAT* 1987; 11: 49
 Shapiro MP; Gale ME; Daly BD; Eloesser window thoracostomy for treatment of empyema: radiographic appearance. *AJR* 1988; 150: 549
 Shapiro MP; Gerzof SG: oxygen reservoir rebreathing mask simulating pneumothorax. *Radiology* 1987; 164: 743
 Shapiro R: ancient Talmudic description of the cauda equina. *Radiology* 1988; 169: 320
 Shapiro R: current status of lumbar diskography. *Radiology* 1986; 159: 815
 Shapiro R: current status of lumbar diskography: reply. *Radiology* 1986; 161: 853
 Shapiro R; Galloway SJ; Shapiro MD: minimal asymmetry of the brain: normal variant. *AJR* 1986; 147: 753
 Shapiro RS See Day DL
 Shapiro RS; Mendelson DS; Norton KI; et al: case report: calcified liver metastases from osteosarcoma. *CT* 1988; 12: 196
 Shapter AE: current status of lumbar diskography. *Radiology* 1986; 161: 853
 Sharbrough FW See Jack CR Jr
 Sharbrough FW See Ormson MJ
 Share JC See Teale RL
 Sharer LR See Epstein LG
 Sharif HS See Madkour MM
 Sharkey C See Mandell GA
 Sharkey CA See Harkce HT
 Sharkey RM See Goldenberg DM
 Sharling ES See Zagoria RJ
 Sharma A See Gupta RK
 Sharma B See Liu G-C
 Sharma BS; Kak VK: multiple subdural abscesses following colonic perforation—a rare complication of a ventriculoperitoneal shunt. *Pediatr Radiol* 1988; 18: 407
 Sharma GP; Shoenut JP; Lautatzis M; et al: new direct portosystemic collateral in canine portal hypertension. *J Canad Assoc Radiol* 1988; 39: 126
 Sharma HI See Hamilton D
 Sharma N See Patel PJ
 Sharma P See Contractor FM
 Sharma P See Dash N
 Sharma P; Daffner RH: case report 389. *Skeletal Radiol* 1986; 15: 505

- Sharma RP See Kastan DJ
 Sharma RP See Shetty PC
 Sharma RP; Keller CE; Shetty PC; Burke MW: superior vena cava obstruction: evaluation with digital subtraction angiography. *Radiology* 1986; 160: 845
 Sharma RP; Shetty PC; Burke TH; et al: treatment of false aneurysm by using a detachable balloon. *AJR* 1987; 149: 1279
 Sharma S; Devine W; Anderson RH; et al: identification and analysis of left atrial isomerism. (ab). *Radiology* 1988; 167: 886
 Sharma S; Puri S; Chaturvedi P; et al: mediastinal pancreatic pseudocyst following traumatic rupture of diaphragm. *Pediatr Radiol* 1988; 18: 337
 Sharma S; Puri S; Das L; et al: intraspinal lumbosacral lipoma: review of literature and report of three cases. *Australas Radiol* 1988; 32: 207
 Sharma SC See Kaushal V
 Sharma SC See Uretsky BF
 Sharma SC See Wilson DL
 Sharon M See Doppman JL
 Sharp PF See Gemmell HG
 Sharp PF; Gemmell HG; Cherryman G; et al: application of iodine-123-labeled isopropylamphetamine imaging to the study of dementia. *J Nucl Med* 1986; 27: 761
 Sharp PF; Smith FW; Gemmell HG; et al: technetium-99m HM-PAO stereoisomers as potential agents for imaging regional cerebral blood flow: human volunteer studies. *J Nucl Med* 1986; 27: 171
 Sharpless T See Lufkin RB
 Shataphaty P; Sahoo RC; Rao KM; et al: drill biopsy in the diagnosis of lung lesions. (ab). *Radiology* 1988; 168: 883
 Shaw BA See Gelberman RH
 Shaw C See Coppage L
 Shaw C See Filderman AE
 Shaw C-G: digital image processing in radiology. *Radiology* 1986; 160: 124
 Shaw C-G; Flewkes DB: pulsed-injection method for blood flow velocity measurement in intraarterial digital subtraction angiography. *Radiology* 1986; 160: 556
 Shaw C-I See Reid SH
 Shaw DG See Smith JRG
 Shaw EG; Blackwell CR; McCullough EC; et al: matching intraoperative electron-beam fields: dosimetric and clinical considerations. *Int J Radiat Oncol Biol Phys* 1987; 13: 1303
 Shaw EG; Evans RG; Scheithauer BW; et al: postoperative radiotherapy of intracranial ependymoma in pediatric and adult patients. *Int J Radiat Oncol Biol Phys* 1987; 13: 1457
 Shaw EG; Evans RG; Scheithauer BW; et al: radiotherapeutic management of adult intraspinal ependymomas. *Int J Radiat Oncol Biol Phys* 1986; 12: 323
 Shaw JE See Bonnett DE
 Shaw JE; Bonnett DE; Blake SW: Clatterbridge high-energy neutron therapy facility: measurements of beam parameters for clinical use. *Br J Radiol* 1988; 61: 47
 Shaw LA See Koontz WL
 Shaw LM See Brown DQ
 Shaw LM; Turiel AT; Glover DJ; et al: human pharmacokinetics of WR-2721. *Int J Radiat Oncol Biol Phys* 1986; 12: 1501
 Shaw PC; van Romunde LKJ; Griffioen G; Janssens AR; Kreuning J; Eilers GAM: peptic ulcer and gastric carcinoma: diagnosis with biphasic radiography compared with fiberoptic endoscopy. *Radiology* 1987; 163: 39
 Shaw PJ; Saunders AJ; Drake DP: case report: ultrasonographic demonstration of portal vein thrombosis in the acute abdomen. *Clin Radiol* 1986; 37: 101
 Shawker TH See Begley MG
 Shawker TH See Garra BS
 Shawker TH See Hill SC
 Shawker TH See Miller DL
 Shawker TH See Norton JA
 Shawker TH See Pastakia B
 Shawker TH See Thaler M
 Shawker TH; Chang R; Garra B; et al: unusual anomalous intrahepatic connection between the left portal vein and internal mammary veins. *JCU* 1988; 16: 429
 Shawker TH; Doppman JL: intraoperative US. *Radiology* 1988; 166: 568
 Shawker TH; Garra BS; Hill MC; et al: spectrum of sonographic findings in pancreatic carcinoma. *J Ultrasound Med* 1986; 5: 169
 Shawker TH; Garra BS; Loriaux DL; et al: ultrasonography of Turner's syndrome. *J Ultrasound Med* 1986; 5: 125
 Shawker TH; Hill MC; Hill S; et al: ultrasound appearance of extramedullary hematopoiesis. *J Ultrasound Med* 1987; 6: 283
 Shea JJ III See Horn KL
 Shea M See Wilson RA
 Shea MJ See Selwyn AP
 Shea MJ; Wilson RA; deLandsheere CM; et al: use of short- and long-lived rubidium tracers for the study of transient ischemia. *J Nucl Med* 1987; 28: 989
 Shea N See Taylor GA
 Shea WJ See Guillaumin E
 Shea WJ Jr See Co CS
 Shea WJ Jr See Margulis AR
 Shea WJ Jr; de Geer G; Webb WR: chest wall after mastectomy. part I. CT appearance of normal postoperative anatomy, postirradiation changes, and optimal scanning techniques. *Radiology* 1987; 162: 157
 Shea WJ Jr; de Geer G; Webb WR: chest wall after mastectomy. part II. CT appearance of tumor recurrence. *Radiology* 1987; 162: 162
 Shea WJ Jr; Demas BE; Goldberg HI; et al: sclerosing cholangitis associated with hepatic arterial FUDR chemotherapy: radiographic-histologic correlation. *AJR* 1986; 146: 717
 Sheahan DG See Longley DG
 Shealy CN See Aah C
 Shearer DM See Simon NV
 Shearer DK; Moore MM: lag in radiographic imaging systems: simple methods for evaluation. *Radiology* 1986; 159: 259
 Shearer DK; Pezzullo JC; Moore MM; et al: radiation dose from radiopharmaceuticals contaminated with molybdenum-99. *J Nucl Med* 1988; 29: 695
 Shearer DK; Rowe LE: radiation-induced phosphorescence from thulium-activated yttrium tantalate screens. *AJR* 1987; 148: 1023
 Sheedy FF II See Galiber AK
 Sheedy FF II See Teeffey SA
 Sheehan FH See Mathew DG
 Sheehan FH; Bolson EL; Dodge HT; et al: advantages and applications of the centerline method for characterizing regional ventricular function. (ab). *Radiology* 1987; 162: 588
 Sheets FW See Brink JA
 Sheff CD See LaBerge JM
 Shehata WM; Meyer RL; Cormier WJ; Jazy FK: ovarian carcinoma: results of radiation therapy and chemotherapy in 83 patients. *Radiology* 1987; 163: 539
 Shehata WM; Meyer RL; Jazy FK; et al: regional adjuvant irradiation for adenocarcinoma of the ovary. *Int J Radiat Oncol Biol Phys* 1987; 13: 843
 Sheiban I; Casarotto D; Trevis G; et al: two-dimensional echocardiography in the diagnosis of intracardiac masses: a prospective study with anatomic validation. *Cardiovasc Intervent Radiol* 1987; 10: 157
 Sheiban I; Trevis G; Casarotto D; et al: direct visualization of aortic-coronary bypass grafts by two-dimensional echocardiography: a new clinical application. *Cardiovasc Intervent Radiol* 1988; 11: 14
 Sheibani K See Burke JS
 Sheinfeld J; Valvo JR; Wood BF; et al: Octoson imaging in pediatric urology. (ab). *Radiology* 1988; 167: 286
 Sheinfeld M See Glaser B
 Shekita KM See Dachman AH
 Sheldon JJ See Andreotti RF
 Sheldon JJ See Pomeranz SJ
 Sheldon JJ See Post MJD
 Sheldon JJ See Quencer RM
 Sheldon PE See Winkler ML
 Shelhamer JH See Woolfenden JM
 Shelhamer J See Pans HI
 Shelton GE See Wallner KE
 Shellock FG: MR imaging of metallic implants and materials: a compilation of the literature. *AJR* 1988; 151: 811
 Shellock FG; Cruess JV III: corneal temperature changes induced by high-field-strength MR imaging with a head coil. *Radiology* 1988; 167: 809
 Shellock FG; Cruess JV III: high-field-strength MR imaging and metallic biomedical implants: an vivo evaluation of deflection forces. *AJR* 1988; 151: 389
 Shellock FG; Cruess JV III: temperature changes caused by MR imaging of the brain with a head coil. *AJNR* 1988; 9: 287
 Shellock FG; Cruess JV III: temperature, heart rate, and blood pressure changes associated with clinical MR imaging at 1.5 T. *Radiology* 1987; 163: 259
 Shellock FG; Mink JH; Fox JM: patellofemoral joint: kinematic MR imaging to assess tracking abnormalities. *Radiology* 1988; 168: 551
 Shellock FG; Schaefer DJ; Gordon CJ: effect of a 1.5 T static magnetic field on body temperature of man. *Magn Res Med* 1986; 3: 644
 Shelton JJ See Pomeranz SJ
 Shelton RE See Mattrey RF
 Shelton RW Jr See Shin MS
 Shen E-Y See Huang C-C
 Shen E-Y; Huang F-Y: subependymal cysts in normal neonates. (ab). *Radiology* 1986; 160: 288
 Shen E-Y; Huang CC; Chyou SC; et al: sonographic finding of the bright thalamus. (ab). *Radiology* 1987; 163: 838
 Shen SW See Shalkin BL
 Shen S-W; Gross MD; Richmond B: hepatobiliary imaging to demonstrate drainage patterns in a patient with an indwelling hepatic catheter. *J Nucl Med* 1987; 28: 1055
 Shen W-C; Yang C-F: herniated lumbar disk shown by dynamic computed tomography. *JCAT* 1988; 12: 713
 Shende A See Schiff RG
 Shepard JO See Bourgoin PM
 Shepard JO See Kushner DC
 Shepard JO See Mueller FR
 Shepard JO See Spizarny DL
 Shepard JO; Dedrick CG; Spizarny DL; et al: dynamic incremental computed tomography of the pulmonary hilum using a flow-rate injector. *JCAT* 1986; 10: 369
 Shepard JO; Grillo HC; McCloud TC; Dedrick CG; Spizarny DL: right-pneumectomy syndrome: radiologic findings and CT correlation. *Radiology* 1986; 161: 661
 Shepard JO; McCloud TC: transthoracic needle aspiration biopsy: evaluation of the blood patch technique: reply. *Radiology* 1988; 168: 285
 Sheppard T See Nyberg DA
 Sheppard TH See Cyr DR
 Sheppard TH See Nyberg DA
 Sheppard FW; White FE: demonstration of a matrix calculus using computed tomography. *Br J Radiol* 1987; 60: 1028
 Sher TH See Schwartz HJ
 Sherriff MJ See Rosenberg ZS
 Sherlock S; Dick R: impact of radiology on hepatology. *AJR* 1986; 147: 1117
 Sherman C; Winchester F; Brill FW; et al: childhood retroperitoneal fibrosis. *Pediatr Radiol* 1988; 18: 245
 Sherman JL See Barkovich AJ
 Sherman JL See Citrin CM
 Sherman JL See Hayes WS
 Sherman JL See Hopper KD
 Sherman JL; Barkovich AJ; Citrin CM: MR appearance of syringomyelia: new observations. *AJNR* 1986; 7: 985
 Sherman JL; Citrin CM: magnetic resonance demonstration of normal CSF flow. *AJNR* 1986; 7: 3
 Sherman JL; Citrin CM; Barkovich AJ; et al: MR imaging of syringomyelia. *JCAT* 1987; 11: 407
 Sherman JL; Citrin CM; Barkovich AJ; et al: MR imaging of the mesencephalic tectum: normal and pathologic variations. *AJNR* 1987; 8: 59
 Sherman JL; Citrin CM; Bowen BJ; et al: MR demonstration of altered cerebrospinal fluid flow by obstructive lesions. *AJNR* 1986; 7: 571
 Sherman JL; Citrin CM; Gangarosa RE; et al: MR appearance of CSF flow in patients with ventriculomegaly. *AJNR* 1986; 7: 1025
 Sherman JL; Citrin CM; Gangarosa RE; et al: MR appearance of CSF pulsations in the spinal canal. *AJNR* 1986; 7: 679
 Sherman NH See Gordillo R
 Sherman NH See Kremer SM
 Sherman NH See Rosenberg HK
 Sherman P See Sisson JC
 Sherman PM See Stringer DA
 Sherman SB See Cooper SG
 Sherman W See Sehgal E
 Sherman W See Skarzynski JJ
 Shermis S See Björkengren AG
 Sherrone GW; Naves JL; Varla MA; et al: spreadsheet program for brachytherapy planning. *Int J Radiat Oncol Biol Phys* 1987; 13: 639
 Sherrone GW; Rosenman J; McMurry HL; et al: automatic digital contrast enhancement of radiotherapy films. *Int J Radiat Oncol Biol Phys* 1987; 13: 801
 Sherris RH; Chiles C; Johnson GA; Ravin CE: differentiation of benign from malignant pulmonary nodules with digitized chest radiographs. *Radiology* 1987; 162: 645
 Sherris RH; Chiles C; Wilkinson WE; Johnson GA; Ravin CE: effects of image processing on nodule detection rates in digitized chest radiographs: ROC study of observer performance. *Radiology* 1988; 166: 447
 Sherry AD See Geraldine CFGC
 Sherry CS; Diamond NG; Meyers TP; et al: successful treatment of superior vena cava syndrome by venous angioplasty. *AJR* 1986; 147: 834
 Sherry CS; Harms SE; McCroskey WK: spinal MR imaging: multiplanar presentation from a single high resolution 3D acquisition. *JCAT* 1987; 11: 859
 Sherry HH See Hermann G

- Sherry MM; Greco FA; Johnson DH; et al: metastatic breast cancer confined to the skeletal system: an indolent disease, (ab), *Radiology* 1987; 163: 292
- Sherry RG See Osborn AG
- Sherry RG See Zimmerman R
- Sherwood T: finding and dilating renal artery stenoses for hypertension, *Clin Radiol* 1988; 39: 359
- Sheth NK See Chintapalli K
- Sheth S See Hamper UM
- Sheth S See Orel SG
- Sheth S; Fishman EK; Buck JL; et al: variable sonographic appearances of ovarian teratomas: correlation with CT, *AJR* 1988; 151: 331
- Sheth S; Fishman EK; Sanders RC: actinomycosis involving the liver: computed tomography/ultrasound correlation, *J Ultrasound Med* 1987; 6: 329
- Sheth S; Nausebaum AR; Hutchins GM; Sanders RC: cystic hygromas in children: sonographic-pathologic correlation, *Radiology* 1987; 162: 821
- Sheth S; Nausebaum AR; Sanders RC; Hamper UM; Davidson AJ: prenatal diagnosis of sacrococcygeal teratoma: sonographic-pathologic correlation, *Radiology* 1988; 169: 131
- Shetty A See Grossman RI
- Shetty A See Joseph PM
- Shetty A See Kundel HL
- Shetty AN: suppression of radiofrequency interference in cardiac gated MRI: a simple design, *Magn Res Med* 1988; 8: 84
- Shetty PC See Burke MW
- Shetty PC See Krasky GA
- Shetty PC See Sharma RP
- Shetty PC See Watt AC
- Shetty PC; Bok LR; Burke MW; Sharma RP: balloon dilation of the femoral vein expediting percutaneous Greenfield vena caval filter placement, *Radiology* 1986; 161: 275
- Shew J-C; Huang G-T; Chen D-S; Sung J-L; Yang P-M; Wei T-C; Lai M-Y; Su C-T; Tsang Y-M; Hsu H-C; Su I-J; Wu T-T; Lin J-T; Chuang C-N: small hepatocellular carcinoma: intratumoral ethanol treatment using new needle and guidance systems, *Radiology* 1987; 163: 43
- Shew J-C; Sung J-L; Chen D-S; et al: early detection of hepatocellular carcinoma by real-time ultrasonography: prospective study, (ab), *Radiology* 1986; 158: 566
- Sheward SE See Williams AG Jr
- Sheward SE; Davis M; Amparo EG; et al: intramural hemorrhage simulating gastric neoplasm, *Gastrointest Radiol* 1988; 13: 102
- Sheward SE; Williams AG Jr; Mettler FA Jr; et al: CT appearance of a surgically retained towel (gossypiboma), *JCAT* 1986; 10: 343
- Shibamoto Y; Abe M; Yamashita J; et al: treatment results of intracranial germinoma as a function of the irradiated volume, *Int J Radiat Oncol Biol Phys* 1988; 15: 285
- Shibamoto Y; Sakano K; Kimura R; et al: radiosensitization *in vitro* and *in vivo* by 3-nitrotriazoles, *Int J Radiat Oncol Biol Phys* 1986; 12: 1063
- Shibata T See Hayashi N
- Shibuya H See Horiuchi J
- Shibuya H See Matsumoto S
- Shibuya H See Satoh S
- Shibuya H See Suzuki T
- Shibuya H See Yasumoto M
- Shields AF See Olson DO
- Shields AF See Porter BA
- Shields AF; Coonrod DV; Quackenbush RC; et al: cellular sources of thymidine nucleotides: studies for PET, *J Nucl Med* 1987; 28: 1435
- Shields JA See Gossori JM
- Shields JA See Peyser RG
- Shields JB See Pilla TJ
- Shields JR; Medearis AL; Bear MB: fetal head and abdominal circumferences: effect of profile shape on the accuracy of ellipse equations, *JCU* 1987; 15: 241
- Shields JR; Medearis AL; Bear MB: fetal head and abdominal circumferences: ellipse calculations versus planimetry, *JCU* 1987; 15: 237
- Shields NN See Genes B
- Shields RA See Bevis CRA
- Shields TW See Backer CL
- Shiels WE; Duono F; Hernandez E: ovarian dermoid cyst complicated by an entero-ovarian fistula, *Radiology* 1986; 160: 443
- Shiels WE II See Johnson JF
- Shier CK See Ellis BJ
- Shier CK See Kastan DJ
- Shier CK; Ellis BJ; Kleerekoper M; et al: disseminated migratory osteoporosis: an unusual pattern of osteoporosis, *J Canad Assoc Radiol* 1987; 38: 56
- Shier CK; Krasky GA; Ellis BJ; et al: Ribbing's disease: radiographic-scinigraphic correlation and comparative analysis with Engelmann's disease, *J Nucl Med* 1987; 28: 244
- Shigematsu N; Kondo M; Kubo A; et al: value of gallium scans and lymphangiography in non-Hodgkin's lymphoma of the Waldeyer's ring, (ab), *Radiology* 1987; 164: 296
- Shigeno C See Aoki J
- Shigyo R See Kawamura N
- Shih TTF; Huang K-M: acute stroke: detection of changes in cerebral perfusion with dynamic CT scanning, *Radiology* 1988; 169: 469
- Shih W-J See Domstad PA
- Shih W-J See Lee AW
- Shih W-J See Rousseau G
- Shih W-J; Coupal JJ; DeLand FH; et al: demonstration of pulmonary mass defect by iodine-123 N,N,N'-trimethyl-N-[2-hydroxy-3-methyl-5-iodobenzyl]-1,3-propanediamine lung imaging, *Clin Nucl Med* 1986; 11: 632
- Shih W-J; Coupal JJ; Domstad PA; et al: diffuse thoracoabdominal radioactivity seen in bone imaging, *Clin Nucl Med* 1986; 11: 254
- Shih W-J; Coupal JJ; Domstad PA; et al: disorders of gallbladder function related to duodenogastric reflux in technetium-99m DISIDA hepatobiliary scintigraphy, *Clin Nucl Med* 1987; 12: 857
- Shih W-J; Daniel TJ; DeLand FH; et al: false-positive radiocolloid liver image due to a subphrenic abscess, *Clin Nucl Med* 1986; 11: 400
- Shih W-J; DeLand FH: equivocal findings on cranial CT but apparent cerebral lesion(s) on conventional radionuclide imaging, *Clin Nucl Med* 1987; 12: 219
- Shih W-J; DeLand FH; Coupal JJ; et al: incidentally evaluating the state of renal function in technetium-99m DISIDA hepatobiliary imaging, *Clin Nucl Med* 1986; 11: 860
- Shih W-J; DeLand FH; Domstad PA: flip-flop phenomenon in radiophyppan renal imaging: sign of obstructive nephropathy, *Clin Nucl Med* 1986; 11: 707
- Shih W-J; DeLand FH; Domstad PA; et al: progression of mediastinal tuberculosis and superior vena caval obstruction demonstrated by gallium-67 citrate and radiocolloid liver scintigraphy, *Clin Nucl Med* 1986; 11: 126
- Shih W-J; DeLand FH; Domstad PA; et al: ring-like uptake pattern of a skeletal imaging agent in a huge renal cell carcinoma, *Clin Nucl Med* 1986; 11: 319
- Shih W-J; Domstad PA: localization of a skeletal imaging agent in nonmalignant ascites, *Clin Nucl Med* 1988; 13: 137
- Shih W-J; Domstad PA; DeLand FH: diffuse radioactivity in the thoraco-abdominal region seen in bone scintigraphy, *Semin Nucl Med* 1986; 16: 211
- Shih W-J; Domstad PA; DeLand FH; et al: incidental vertebral lesions identified during technetium-99m sulfur colloid liver-spleen imaging, *Clin Nucl Med* 1986; 11: 585
- Shih W-J; Domstad PA; DeLand FH: opportunistic intracranial infection in AIDS detected by technetium-99m DTPA brain scintigraphy, *J Nucl Med* 1986; 27: 498
- Shih W-J; Domstad PA; Friedman B; et al: intrathoracic abnormalities demonstrated by technetium-99m sulfur colloid imaging, *Clin Nucl Med* 1986; 11: 792
- Shih W-J; Domstad PA; Kenady DE; et al: scintigraphic findings in acute gangrenous cholecystitis, *Clin Nucl Med* 1987; 12: 717
- Shih W-J; Domstad PA; Li C-Y; et al: radiocolloid scintigraphy in Felty's syndrome, *AJR* 1986; 147: 181
- Shih W-J; Domstad PA; Lieber A; et al: localization of ^{99m}Tc-HMDP in hepatic metastases from colonic carcinoma, *AJR* 1986; 146: 333
- Shih W-J; Domstad PA; Loh F-G; et al: extensive gastric varices demonstrated by technetium-99m red blood cell scintigraphy, *Clin Nucl Med* 1987; 12: 290
- Shih W-J; Loh F; Domstad PA; et al: absent-decreased perfusion in the cerebral SPECT study using I-123 HIPDM, *Semin Nucl Med* 1988; 18: 169
- Shih W-J; Loh F; Domstad PA: flip-flop phenomenon seen in ¹³¹I Hippuran renal scintigraphy, *Semin Nucl Med* 1988; 18: 269
- Shih W-J; Magoun S; Domstad PA: huge abdominal aortic aneurysm demonstrated by technetium-99m labeled RBC blood pool imaging, *Clin Nucl Med* 1987; 12: 825
- Shih W-J; Magoun S; Purcell M; et al: malunion of a femoral fracture mimicking osteomyelitis in three phase bone imaging, *Clin Nucl Med* 1988; 13: 38
- Shih W-J; Markensbery WR; Clark DB; et al: iodine-123 HIPDM brain imaging findings in subacute spongiform encephalopathy (Creutzfeldt-Jakob disease), *J Nucl Med* 1987; 28: 1484
- Shih W-J; Riley CN; Domstad PA; et al: scintigraphic findings of multiple osteochondromas, *Clin Nucl Med* 1986; 11: 600
- Shih W-J; Ryo UY: synovial osteochondroma of the knee in Tc-99m HMDP bone imaging, *Clin Nucl Med* 1988; 13: 617
- Shih W-J; Wierzbinski B; Magoun S; et al: technetium-99m DTPA localized in gynecomastia secondary to orchiectomy and estrogen therapy in a patient with carcinoma of the prostate, *Clin Nucl Med* 1988; 13: 306
- Shina S; Yasuda H; Muto H; et al: percutaneous ethanol injection in the treatment of liver neoplasms, *AJR* 1987; 149: 949
- Shija JK: disappearance of calcification in meconium peritonitis in a Black African baby, *Pediatr Radiol* 1987; 17: 173
- Shikora S See Gump FE
- Shillito J; Jr See Wang A-M
- Shilnikov GV; Khushinov AA; Sarvazyan AP; et al: detection of temperature induced structural changes in T4B and T7 bacteriophages by means of high precision acoustic velocity measurements, *Ultrasound Med Biol* 1986; 12: 511
- Shima Y See Muramatsu Y
- Shima Y See Takayasu K
- Shimabukuro K See Nakajo M
- Shimada J See Kobayashi H
- Shimaguchi S See Ariyama J
- Shimakawa A See Axel L
- Shimakawa A See Daniels DL
- Shimakawa A See Gullberg GT
- Shimakawa A See Kneeland JB
- Shimakawa A See Utz JA
- Shimakawa A See Wehrli FW
- Shimamoto K; Ishiguchi T; Sakuma S: CT evaluation of pancreatic cancer: analysis of resected tumours, *Eur J Radiol* 1987; 7: 37
- Shimamoto K; Sakuma S; Ishigaki T; Makino N: intratumoral blood flow: evaluation with color Doppler echography, *Radiology* 1987; 163: 683
- Shimaoka K See Harada T
- Shimizu H; Jaffe N; Eftekhari F: massive Wilms' tumor: sonographic demonstration of therapeutic response without alteration in size, *Pediatr Radiol* 1987; 17: 493
- Shimizu K See Matsuda T
- Shimizu K; Matsuda T; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Mano H; Kawai C; Kiri M: visualization of moving fluid: quantitative analysis of blood flow velocity using MR imaging, *Radiology* 1986; 159: 195
- Shimizu M See Awazu M
- Shimizu M; Kobayashi T; Morimoto H; et al: tumor imaging with anti-CEA antibody labeled ¹²⁵I emulsion, *Magn Res Med* 1987; 5: 290
- Shimizu Y See Iwase M
- Shimoda Y See Tomooka Y
- Shimono R See Itoh H
- Shimshak RR See Cianci P
- Shin J See Sze G
- Shin MS See Adey CK
- Shin MS See Chandler PW
- Shin MS See Jolles PR
- Shin MS See Myers JL
- Shin MS See Schwartz ML
- Shin MS See Vaid Y
- Shin MS See Vaid YN
- Shin MS; Anderson SD; Myers J; et al: pitfalls in CT evaluation of chest wall invasion by lung cancer, *JCAT* 1986; 10: 136
- Shin MS; Berland LL; Ho K-J; computed tomography evaluation of primary and secondary sternal neoplasms, *CT* 1986; 10: 27
- Shin MS; Ho K-J: spontaneous radiographic resolution of malignant and benign cysts, *CT* 1986; 10: 99
- Shin MS; Ho K-J; Kirklin JW; et al: abdominal pseudoaneurysm arising from a true aneurysm: presentation as a pulmonary mass, *AJR* 1986; 146: 155
- Shin MS; Jackson RM; Ho K-J: tracheobronchomegaly (Mounier-Kuhn syndrome): CT diagnosis, *AJR* 1988; 150: 777
- Shin MS; Jackson LK; Shelton RW Jr; et al: giant cell carcinoma of the lung: clinical and roentgenographic manifestations, (ab), *Radiology* 1986; 160: 856
- Shin MS; Jolles PR: computed tomography of the aortopulmonary window: normal anatomy and pathology, *CT* 1987; 11: 111
- Shin MS; Jolles PR; Ho K-J: CT evaluation of distended pericardial recess presenting as a mediastinal mass, *JCAT* 1986; 10: 860
- Shin MS; Kirklin JK; Cain JB; et al: primary angiosarcoma of the heart: CT characteristics, *AJR* 1987; 148: 267
- Shin MS; Koehler RE; Stanley RJ; et al: malignant hemangioepithelioma: computed tomography and magnetic resonance imaging, *CT* 1987; 11: 297
- Shin MS; McElvein RB; Ho K-J: computed tomography evaluation of pathologic processes in the potential spaces of the mediastinum, *CT* 1988; 12: 230

- Shin MS; McElvein RB; Reeves RC; et al: solitary neurofibroma of the vagus nerve in the aortopulmonary window masquerading as a developmental cyst. *CT* 1988; 12: 57
- Shin MS; Zorn GL; Ho K-J: computed tomography manifestation of a triple-barreled aortic dissection: the Mercedes-Benz mark sign. *CT* 1988; 12: 140
- Shinar H; Navon G: sodium-23 NMR relaxation times in body fluids. *Magn Res Med* 1986; 3: 927
- Shine NR; Xuan JA; Koretsky AP; et al: determination of renal molar concentrations of phosphorus-containing metabolites in vivo using ^{31}P NMR. *Magn Res Med* 1987; 4: 244
- Shinebourne EA See Clements BS
- Shingleton HM See Kim RY
- Shinnar S; Gammon K; Bergman EW Jr; et al: management of hydrocephalus in infancy: use of acetazolamide and furosemide to avoid cerebrospinal fluid shunts. (ab). *Radiology* 1986; 158: 282
- Shinohara A See Komatsu Y
- Shinohara M See Choji K
- Shinohara T See Meyer JS
- Shinohara Y See Matsushima K
- Shinohara Y See Saitoh H
- Shinotoh H; Inoue O; Suzuki K; et al: kinetics of [^{11}C]N,N-dimethylphenylethylamine in mice and humans: potential for measurement of brain MAO-B activity. *J Nucl Med* 1987; 28: 1006
- Shinotoh H; Yamasaki T; Inoue O; et al: visualization of specific binding sites of benzodiazepine in human brain. *J Nucl Med* 1986; 27: 1593
- Shiomi S; Kuroki T; Kura O; et al: portal circulation by technetium-99m pertechnetate per-rectal portal scintigraphy. *J Nucl Med* 1988; 29: 460
- Shioya S; Haida M; Ono Y; Fukuzaki M; Yamabayashi H: lung cancer: differentiation of tumor, necrosis, and atelectasis by means of T1 and T2 values measured in vitro. *Radiology* 1988; 167: 105
- Shipley RT See Mahoney MC
- Shipley RT: chest radiograph after extrathoracic surgery. *Semin Roentgenol* 1988; 23: 49
- Shipley RT; Mahoney MC: right middle lobe collapse following right upper lobectomy. *Radiology* 1988; 166: 725
- Shipley WU See Biggs FJ
- Shipley WU See DeLaney TF
- Shippel A: introduction to magnetic resonance imaging. *Radiology* 1986; 160: 594
- Shippey DU See Cronin TG
- Shirahama T See Bardin T
- Shireman PK See Quint LE
- Shires GT III See Murphy FB
- Shirkhoda A See David R
- Shirkhoda A See Eftekhar F
- Shirkhoda A See Kumar R
- Shirkhoda A See Lindell MM Jr
- Shirkhoda A See Pan G
- Shirkhoda A See Pera A
- Shirkhoda A: computed tomography of perirenal metastases. *JCAT* 1986; 10: 435
- Shirkhoda A: CT findings in hepatosplenic and renal candidiasis. *JCAT* 1987; 11: 795
- Shirkhoda A: Albina J: malignant melanoma: correlating abdominal and pelvic CT with clinical staging. *Radiology* 1987; 165: 75
- Shirkhoda A; Chasen MH; Eftekhar F; et al: MR imaging of mediastinal thymolipoma. *JCAT* 1987; 11: 364
- Shirkhoda A; Eftekhar F; Frankel LS; et al: diagnosis of leukemic relapse in the pelvic soft tissues of juvenile females. *JCU* 1986; 14: 191
- Shirkhoda A; Lewis E: renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features. *Radiology* 1987; 162: 353
- Shirkhoda A; Lopez-Berestein G; Holbert JM; Luna MA: hepatosplenic fungal infection: CT and pathological evaluation after treatment with liposomal amphotericin B. *Radiology* 1986; 159: 349
- Shirrell WL See Lingeman JE
- Shishido F See Ogawa T
- Shishido F See Tomura N
- Shishido H See Toubi H
- Shiu AS; Hogstrom KR; Janjan NA; et al: technique for verifying treatment fields using portal images with diagnostic quality. *Int J Radiat Oncol Biol Phys* 1987; 13: 1589
- Shiu MH See D'Ambrosio FG
- Shiue C-Y See Arnett CD
- Shiue C-Y; Bai L-Q; Teng R-R; et al: No-carrier-added N-(3- ^{18}F fluoropropyl)isopropylidol: biodistribution in mice and tomographic studies in a baboon. *J Nucl Med* 1987; 28: 1164
- Shiue C-Y; Fowler JS; Wolf AP; et al: no-carrier-added fluorine-18-labeled N-methylisopropylidol: synthesis and biodistribution in mice. *J Nucl Med* 1986; 27: 226
- Shives TC See Nakashima Y
- Shkolnik A See Donaldson JS
- Shlansky-Goldberg R See Gardiner GA Jr
- Shlansky-Goldberg RD; Rao VM; Choi HY; et al: Hodgkin disease of the maxillary sinus. *JCAT* 1988; 12: 507
- Shmueli D See Melloe MM
- Shnerson JM See Moore NR
- Shochat SJ See Hartman GE
- Shockett E; Janowitz W: bedside radionuclide scanning in the postoperative management of intraperitoneal sump drains. (ab). *Radiology* 1987; 162: 290
- Shoenut JP See Sharma GP
- Shokry A; Janzer RC; von Hochstetter AR; et al: primary intracranial germ-cell tumors: clinicopathological study of 14 cases. (ab). *Radiology* 1986; 159: 573
- Sholkoff SD: balloon hysterolapangography catheter. *AJR* 1987; 149: 995
- Shook DR See Doppman JL
- Shore A See Rush PJ
- Shore RM; Hendee WR: radiopharmaceutical dosage selection for pediatric nuclear medicine. *J Nucl Med* 1986; 27: 287
- Shore RM; Rao BK; Berg OR: massive jugular and dural sinus reflux associated with cerebral death. *Pediatr Radiol* 1988; 18: 164
- Shorey WD See Turner DA
- Shorr RM; Crittenden M; Indeck M; et al: blunt thoracic trauma: analysis of 513 patients. (ab). *Radiology* 1988; 166: 309
- Short BL See Taylor GA
- Short CD See Griffin JF
- Shorten SD; Hart WR; Petras RA: microcystic adenomas (serous cystadenomas) of pancreas: a clinicopathologic investigation of eight cases with immunohistochemical and ultrastructural studies. (ab). *Radiology* 1987; 162: 883
- Shortland DB See Evans DH
- Shortliffe L See Rifkin MD
- Shorvon F See Bernier P
- Shorvon F See Fitzsimons PJ
- Shorvon FJ; Lees WR; Frost RA; et al: upper gastrointestinal endoscopic ultrasonography in gastroenterology. *Br J Radiol* 1987; 60: 429
- Shoss SM; Donovan DT; Alford BR: tumors of the parapharyngeal space. (ab). *Radiology* 1986; 161: 286
- Shoukimas GM See Edelman RR
- Shovel J See Murthy AK
- Shpall EJ; Efremidis AP; Kasambalides E; et al: case report 352. *Skeletal Radiol* 1986; 15: 170
- Shreeve WW See Arose B
- Shreiner DP See Lavine SJ
- Shreiner DP; Sarva RP; Van Thiel D; et al: gallbladder function in diabetic patients. *J Nucl Med* 1986; 27: 357
- Shreve P See Hershman DO
- Shreve P; Aisen AM: monoclonal antibodies labeled with polymeric paramagnetic ion chelates. *Magn Res Med* 1986; 3: 336
- Shrieve DC See Ono K
- Shrieve DC; Harris JW: effects of glutathione depletion by buthionine sulfoximine on the sensitivity of EMT6/SF cells to chemotherapy agents or x radiation. *Int J Radiat Oncol Biol Phys* 1986; 12: 1171
- Shrimpton PC; Wall BF; Jones DG; et al: doses to patients from routine diagnostic x-ray examinations in England. *Br J Radiol* 1986; 59: 749
- Shrivastava PN; Saylor TK; Mattionbieh AY; et al: hyperthermia thermometry evaluation: criteria and guidelines. *Int J Radiat Oncol Biol Phys* 1988; 14: 327
- Shrivastava S; Mohan JC; Mukhopadhyay S; et al: coronary artery anomalies in tetralogy of Fallot. *Cardiovasc Intervent Radiol* 1987; 10: 215
- Shtasel F See Schorr AB
- Shualb A; Murphy W: mesencephalic hemorrhage and third nerve palsy. *CT* 1987; 11: 385
- Shuangsheti S See Handagoon P
- Shub MD; Ulahen MH; Hargrove CB; et al: esophagitis: frequent consequence of gastroesophageal reflux in infancy. (ab). *Radiology* 1986; 159: 576
- Shuford WH; Sybers RG; Gordon IJ; et al: circumflex retroesophageal right aortic arch simulating mediastinal tumor or dissecting aneurysm. *AJR* 1986; 146: 491
- Shugar JMA See Norton KI
- Shugar JMA See Sacher M
- Shugar JMA See Solodnik P
- Shugar JMA See Som PM
- Shukla LW; Lin DS; Kutka N: splenic uptake in bone imaging. *Semin Nucl Med* 1988; 18: 71
- Shukla SS: symmetry of hip bone mineral density. *Radiology* 1988; 169: 875
- Shukla SS; Craven JD; Greenfield MA: trabecular bone mineral density measurement in vivo: reply. *Radiology* 1988; 166: 283
- Shukla SS; Krutoff B; Koutourasas L; et al: measurement of trabecular bone mineral density in the femur in vitro by using the coherent to Compton scatter ratio. *Invest Radiol* 1988; 23: 305
- Shukla SS; Leichter I; Karellas A; Craven JD; Greenfield MA: trabecular bone mineral density measurement in vivo: use of the ratio of coherent to Compton-scattered photons in the calcaneus. *Radiology* 1986; 158: 695
- Shuler S See Witherspoon I
- Shulkin BL See Van Moli LX
- Shulkin BL: hot nodule after fine needle aspiration. *Clin Nucl Med* 1988; 13: 131
- Shulkin BL; Dafre DC; Wahl RL: simultaneous pancreatic-renal transplant scintigraphy. *AJR* 1986; 147: 1193
- Shulkin BL; Shapiro B; Francis IR; et al: primary extra-adrenal pheochromocytoma: positive I-123 MIBG imaging with negative I-131-MIBG imaging. *Clin Nucl Med* 1986; 11: 851
- Shulkin BL; Shapiro B; Tobes MC; et al: iodine-123-4-amino-3-iodobenzylguanidine, a new sympathoadrenal imaging agent: comparison with iodine-123 metaiodobenzylguanidine. *J Nucl Med* 1986; 27: 1138
- Shulkin BL; Shen SW; Sisson JC; et al: iodine-131 MIBG scintigraphy of the extremities in metastatic pheochromocytoma and neuroblastoma. *J Nucl Med* 1987; 28: 315
- Shulkin BL; Sisson JC; Koral KP; et al: conjugate view gamma camera method for estimating tumor uptake of iodine-131 metaiodobenzylguanidine. *J Nucl Med* 1988; 29: 542
- Shulkin BL; Wahl RL: SPECT imaging of myocarditis. *Clin Nucl Med* 1987; 12: 841
- Shull RM; Walker MA: radiographic findings in a canine model of mucopolysaccharidosis I: changes associated with bone marrow transplantation. *Invest Radiol* 1988; 23: 124
- Shulman DI; Martinez CR; Bercu BB; et al: hypothalamic-pituitary dysfunction in primary empty sella syndrome in childhood. (ab). *Radiology* 1986; 160: 861
- Shulman HS See Berthoty DP
- Shulman HS See Poon PY
- Shulman RG See Degani H
- Shulman ST See Farley T
- Shultz S; Wojtowycz M; Traugotter P; et al: colostomy fistula and pyometrium treated with percutaneous drainage: a case report. *Cardiovasc Intervent Radiol* 1988; 11: 157
- Shuman CR See Maurer AH
- Shuman KR See White RI Jr
- Shuman L; White RI Jr; Mitchell SE; Kadir S; Kaufman SL; Chang R: right-sided varicocele: technique and clinical results of balloon embolotherapy from the femoral approach. *Radiology* 1986; 158: 787
- Shuman LS See Larson TC III
- Shuman WF See Castagno AA
- Shuman WF See Cyr DR
- Shuman WF See Haynor DR
- Shuman WF See Montana MA
- Shuman WF See Schoenecker SA
- Shuman WF See Teefey SA
- Shuman WF See Wang KY
- Shuman WF; Adam JL; Schoenecker SA; et al: use of a power injector during dynamic computed tomography. *JCAT* 1986; 10: 1000
- Shuman WF; Carter SJ; Montana MA; Mack LA; Moss AA: pancreatic insufficiency: role of CT evaluation. *Radiology* 1986; 158: 425
- Shuman WF; Castagno AA; Baran RL; et al: MR imaging of avascular necrosis of the femoral head: value of small-field-of-view sagittal surface-coil images. *AJR* 1988; 150: 1073
- Shuman WF; Griffin BR; Haynor DR; et al: utility of MR in planning the radiation therapy of oligodendroglioma. *AJNR* 1987; 8: 93
- Shuman WF; Hestrup W Jr; Kohler TR; Nyberg DA; Wang KY; Vincent LM; Mack LA: suspected leaking abdominal aortic aneurysm: use of sonography in the emergency room. *Radiology* 1988; 168: 117
- Shuman WF; Haynor DR; Guy AW; Wesbey GE; Schaefer DJ; Moss AA: superficial and deep-tissue temperature increases in anesthetized dogs during exposure to high specific absorption rates in a 1.5-T MR imager. *Radiology* 1988; 167: 551
- Shuman WF; Morris LLN; Leonetti DL; et al: abnormal body fat distribution detected by computed tomography in diabetic men. *Invest Radiol* 1986; 21: 483
- Shung KK; Fei DY; Ballard JO III: further studies on ultrasonic properties of blood clots. *JCU* 1986; 14: 269
- Shurin PA See Johnson CE
- Shusterman N; Strom BL; Murray TG; et al: risk factors and outcome of hospital-acquired acute renal failure: clinical epidemiologic study. (ab). *Radiology* 1988; 166: 587
- Shuttleworth EC See Huber SJ
- Shwachman H See Hernandez-Schulman M
- Shymko RM See Archambeau JO
- Sia STB; Holman BL; Campbell S; et al: utilization of technetium-99m CP1 as a myocardial perfusion imaging agent in exercise studies. *Clin Nucl Med* 1987; 12: 681

- Siassi B See DeVore GR
Siassi B See Walther FJ
Sibata C See Mota HC
Sibata CH; Paliwal BR; Attix FH: experimental derivation of β for high-energy photons, Br J Radiol 1988; 61: 600
Sibbitt RR See Palmaz JC
Sibbitt RR; Palmaz JC; Garcia F: method for retrieval of retained subcutaneous catheter fragments, AJR 1986; 147: 1017
Sibbitt RR; Palmaz JC; Garcia F; Reuter SR: trauma of the extremities: prospective comparison of digital and conventional angiography, Radiology 1986; 160: 179
Sibert A See Biangy S
Sibley JT See Block KLN
Sibley RK See Manivel JC
Sicard GA See Rholl KS
Sicilian LS See Joderlinic FJ
Sick H See Dietemann JL
Sick H See Matter D
Sick H See Wackenheim A
Sickles EA See Ikeda DM
Sickles EA: breast calcifications: mammographic evaluation, Radiology 1986; 160: 289
Sickles EA: impact of low-cost mammography screening on nearby mammography practices, Radiology 1988; 168: 59
Sickles EA: mammographic features of 300 consecutive nonpalpable breast cancers, AJR 1986; 146: 661
Sickles EA: mammography screening and the self-referent woman, Radiology 1988; 166: 271
Sickles EA: minimizing moisture shadows that obscure projected slides, Radiology 1988; 166: 887
Sickles EA: practical solutions to common mammographic problems: tailoring the examination, AJR 1988; 151: 31
Sickles EA: reduced-price mammography screening, AJR 1987; 149: 1153
Sickles EA: use of computers in mammography screening, Radiol Clin North Am 1987; 25: 1015
Sickles EA; Koppas DB; Ackerman LV: breast imaging, RSNA '87 meeting notes, Radiology 1988; 166: 597
Sickles EA; Webber WN; Galvin HB; Ominsky SH; Solitto RA: mammographic screening: how to operate successfully at low cost: reply, Radiology 1986; 161: 851
Sickles EA; Webber WN: high-contrast mammography with a moving grid: assessment of clinical utility, AJR 1986; 146: 1137
Sickles EA; Webber WN; Galvin HB; et al: baseline screening mammography: one vs two views per breast, AJR 1986; 147: 1149
Sickles EA; Webber WN; Galvin HB; Ominsky SH; Solitto RA: mammographic screening: how to operate successfully at low cost, Radiology 1986; 166: 95
Sickles EA; Webber WN; Galvin HB; Ominsky SH; Solitto RA: mammographic screening: how to operate successfully at low cost: reply, Radiology 1986; 161: 850
Siddhivarn N See Charles ND
Siddiqui AR See Cohen MD
Siddiqui AR See Davis RB
Siddiqui AR See Denham JS
Siddiqui AR See Harris V
Siddiqui AR See Koch KJ
Siddiqui AR See Lee TA III
Siddiqui AR See Park H-M
Siddiqui AR See Rees CR
Siddiqui AR: In-111-labeled white blood cell uptake in noninfected closed fracture, Radiology 1988; 169: 579
Siddiqui AR; Ellis JH; Madura JA: different patterns for bile leakage following cholecystectomy demonstrated by hepatobiliary imaging, Clin Nucl Med 1986; 11: 751
Siddle KJ See Jeavons SJ
Siddons RL See DeWyngeart JK
Siddons RL See Kaplan WD
Siddons RL See Recht A
Siddons RL See Saunders WM
Siddons RL; Barth NH: stereotaxic localization of intracranial targets, Int J Radiat Oncol Biol Phys 1987; 13: 1241
Sider L; Davis TM Jr: hilar masses: evaluation with CT-guided biopsy after negative bronchoscopic examination, Radiology 1987; 164: 107
Sider L; Davis T: pulmonary aspergillosis: unusual radiographic appearance, Radiology 1987; 162: 657
Sider L; Holland EA; Davis TM Jr; Cugell DW: changes on radiographs of wives of workers exposed to asbestos, Radiology 1987; 164: 723
Sider L; Mittal BB; Nemcek AA Jr; et al: CT-guided placement of iodine-125 seeds for unresectable carcinoma of the lung, JCAT 1988; 12: 515
Siebeckner DA See Hnatowich DJ
Siebert RC See Schellhas KP
Siedler D; Laing FC; Jeffrey RB Jr; et al: uterine adenomyosis: difficult sonographic diagnosis, J Ultrasound Med 1987; 6: 345
Siedler DE; Filly RA: relative growth of the higher fetal brain structures, J Ultrasound Med 1987; 6: 573
Sieg B See Williams JL
Siegal GP See Lyako JE
Siegal BA See Martin KW
Siegal BA See Mintun MA
Siegal BA See Reinsu WR
Siegal BA; Alderson PO; Brown ML; Mettler FA Jr; Miller TR: nuclear medicine, RSNA '87 meeting notes, Radiology 1988; 166: 615
Siegel CL See Ellis JH
Siegel GJ See Latack JT
Siegel JA See Charles ND
Siegel JA See Gainey MA
Siegel JA See Lessig HJ
Siegel JA See Maurer AH
Siegel JA; Urbain JL; Adler LP; et al: biphasic nature of gastric emptying, (ab), Radiology 1988; 168: 586
Siegel JH See Mirvis SE
Siegel M See Davis M
Siegel ME See Ansari AN
Siegel ME See Barakos JA
Siegel ME See Colletti PM
Siegel ME See Glaser AM
Siegel ME See Lee KH
Siegel ME See Stewart CA
Siegel MF See Athey PA
Siegel MJ See Fank KC
Siegel MJ See Katz ME
Siegel MJ See Martin KW
Siegel MJ See Mukherji SK
Siegel MJ See Reiman TA
Siegel MJ See St. Amour TE
Siegel MJ See Wu A
Siegel MJ; Evans SJ; Balf DM: small bowel disease in children: diagnosis with CT, Radiology 1988; 169: 127
Siegel MJ; Jamroz GA; Glazer HS; et al: MR imaging of intraspinal extension of neuroblastoma, JCAT 1986; 10: 593
Siegel MJ; Martin KW; Worthington JL: normal and abnormal pancreas in children: US studies, (ab), Radiology 1987; 165: 15
Siegel MJ; Nadel SN; Glazer HS; Sagel SS: mediastinal lesions in children: comparison of CT and MR, Radiology 1986; 160: 241
Siegel R See Kundel HL
Siegel RS See Cohen LM
Siegel SC; Sandler MA; Alpern MB; et al: CT of renal cell carcinoma in patients on chronic hemodialysis, AJR 1988; 150: 583
Siegelbaum MH See Brick SH
Siegelman SS See Buenger JR
Siegelman SS See Chaloupka JC
Siegelman SS See Curto TL
Siegelman SS See Fishman EK
Siegelman SS See Gatewood OMB
Siegelman SS See Jones MD
Siegelman SS See Kuhlman JE
Siegelman SS See McCort JJ
Siegelman SS See Magid D
Siegelman SS See Merline DS
Siegelman SS See Meziane MA
Siegelman SS See Roberts JL
Siegelman SS See Scott PP
Siegelman SS See Zerhouni EA
Siegelman SS: abstracts of current literature, Radiology 1987; 162: 584
Siegelman SS: abstracts of current literature 1987, Radiology 1988; 166: 80
Siegelman SS: advice to authors, Radiology 1988; 166: 278
Siegelman SS: editor's page: a new record!, Radiology 1988; 167: 110
Siegelman SS: editor's page: tabula rasa, Radiology 1988; 167: 414
Siegelman SS: editor's page: the cat's meow: the most frequently cited papers in Radiology 1955-1986, Radiology 1988; 166: 414
Siegelman SS: editor's page: the paper route, Radiology 1988; 166: 832
Siegelman SS: editor's page: the rival editors, Radiology 1988; 166: 784
Siegelman SS: Editor's Recognition Awards, Radiology 1987; 162: 269
Siegelman SS: Editor's Recognition Awards, Radiology 1988; 166: 48
Siegelman SS: guidelines for reviewers of Radiology, Radiology 1988; 166: 360
Siegelman SS: Radiology 1986, Radiology 1986; 158: 265
Siegelman SS: summary of editor's advice to authors, Radiology 1988; 166: 96
Siegelman SS; Griffiths HJL: book reviewers 1987, Radiology 1988; 166: 108
Siegelman SS; Khouri NF; Leo FF; Fishman EK; Braverman RM; Zerhouni EA: solitary pulmonary nodules: CT assessment, Radiology 1986; 160: 307
Siegelman SS; Khouri NF; Scott WW Jr; Leo FF; Hamper UM; Fishman EK; Zerhouni EA: pulmonary hamartoma: CT findings, Radiology 1986; 160: 313
Siegelman SS; Khouri NF; Scott WW Jr; Leo FF; Hamper UM; Fishman EK; Zerhouni EA: pulmonary hamartoma: CT findings: reply, Radiology 1987; 162: 878
Siegle RL See Magill HL
Siegle RL: current problems of contrast materials, Invest Radiol 1986; 21: 779
Siemann DW See Rubin F
Siemann DW; Allalunis-Turner MJ: potentiation of combination chemotherapy by nitroheterocyclics, Int J Radiat Oncol Biol Phys 1988; 15: 129
Siemann DW; Alliet KL: combinations of CCNU, MISO, and fractionated radiotherapy, Int J Radiat Oncol Biol Phys 1986; 12: 1379
Siemann DW; Macier LM: tumor radiosensitization through reductions in hemoglobin affinity, Int J Radiat Oncol Biol Phys 1986; 12: 1295
Siemens PT See Harms SE
Sierra J See Berthier M
Sievers KW See Akins EW
Sievers R See Ringertz HG
Sievers R See Schmiedl U
Sievers RE See Richards TL
Signal R See Altan H
Signal R See Doyon D
Signal R See Halimi F
Sigel B See Machi J
Sigel H See Arlari IF
Sigman M; Laudone VP; Jenkins AD; et al: initial experience with extracorporeal shock wave lithotripsy in children, (ab), Radiology 1988; 167: 296
Sigmund G; Bahren W; Gall H; Lenz M; Thon W: idiopathic varicocele: feasibility of percutaneous sclerotherapy, Radiology 1987; 164: 161
Sigmund G; Gall H; Bahren W: stop-type and shunt-type varicocele: venographic findings, Radiology 1987; 163: 105
Signorini E; Pelliccioli GF; Buoncrisiani P; et al: CT-ventriculography in a cystic lesion of the third ventricle, Eur J Radiol 1987; 7: 114
Sigurdson E See Daly JM
Sigurdson GH See Abdel-Dayem HM
Sigwart U See Rousseau H
Sijens PE; Wijrdeman HK; Moerland MA; Bakker CJG; Vermeulen JWAH; Luyten PR: human breast cancer in vivo: H-1 and P-31 MR spectroscopy at 1.5 T, Radiology 1988; 169: 615
Sikes RA See Pelly DW Jr
Sikora K See Dixon AK
Sikora K: cancer genes: their clinical potential, Clin Radiol 1986; 37: 415
Sikov MR: developmental effects of ultrasound exposure in mammals, Ultrasound Med Biol 1986; 12: 686
Sikov MR: effect of ultrasound on development. part 1: introduction and studies in inframammalian species, J Ultrasound Med 1986; 5: 577
Sikov MR: effect of ultrasound on development. part 2: studies in mammalian species and overview, J Ultrasound Med 1986; 5: 651
Silber JH See Feysler RG
Silber MH; Sandok BA; Earnest F IV: vascular malformations of the posterior fossa: clinical and radiologic features, (ab), Radiology 1988; 166: 914
Silberberg DH See Grossman RI
Silbergeldt R; Gabrielsen TO: arteriovenous malformation simulating encephalocele: CT findings, JCAT 1987; 11: 522
Silberman L See Zwelling LA
Silberstein MJ See Luisiri A
Silbertstein EB; Daly D: mucocoele of the skull, Clin Nucl Med 1988; 13: 135
Silbiger M See Reynolds H
Silbiger ML See Nokes SR
Silen W See Recht A
Silengo MC See Franceschini P
Silengo MC; Bell GL; Biagioli M; et al: new syndrome with ocular, skeletal and renal involvement, Pediatr Radiol 1987; 17: 238
Silengo MC; Franceschini P; Bianco R; et al: distinctive skeletal dysplasia in Cockayne syndrome, Pediatr Radiol 1986; 16: 264
Silfverward C See Sjoval K
Sildiker MS; Cronan JJ; Scola FH; et al: ultrasound evaluation of cholelithiasis in the morbidly obese, Gastrointest Radiol 1988; 13: 345
Silence DO See Kozlowski K
Silence DO; Kozlowski K; Bar-ziv J; et al: perinatally lethal short rib-polydactyly syndromes I. variability in known syndromes, Pediatr Radiol 1987; 17: 474
Silence DO; Kozlowski K; Rogers JG; et al: osteogenesis imperfecta: evidence for heterogeneity, Pediatr Radiol 1987; 17: 112
Sillerud LO See Halliday KR
Sillerud LO See Han CH
Silleen H; Bitach K; Steenberg HJ; et al: clinical use of objective quantification of flow disturbance in carotid artery disease: correlation between spectral broadening index and arteriography, Ultrasound Med Biol 1987; 13: 519
Silleen H; Schroeder T; Steenberg HJ; et al: Doppler examination of the periorbital arteries adds valuable hemodynamic information in carotid artery disease, Ultrasound Med Biol 1987; 13: 177

- Silprasert W See Singcharoen T
 Silva J Jr See Gyorfey EJ
 Silva SA; Kouzu T; Ogino Y; et al: endoscopic ultrasonography of esophageal tumors and compressions, *JCU* 1988; 16: 149
 Silva de Roldan F See Sostre S
 Silver AJ See Rutledge JN
 Silver AJ; Baredes S; Bello JA; Blitzer A; Hilal SK: opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors, *Radiology* 1987; 163: 205
 Silver AJ; Janacka I; Wazen J; Hilal SK; Rutledge JN: complicated cholesteatoma: CT findings in inner ear complications of middle ear cholesteatoma, *Radiology* 1987; 164: 47
 Silver ARJ; O'Neill P; Jenkins TC; et al: phosphate group of DNA as a potential target for RSU-1069, a nitroimidazole-aziridine radiosensitizer, *Int J Radiat Oncol Biol Phys* 1986; 12: 1203
 Silver B See Dundak CM
 Silver B See Harris JR
 Silver B See Turner DA
 Silver K See Paltiel HJ
 Silver L: squamous cell carcinoma of the thyroid, *Clin Nucl Med* 1988; 13: 346
 Silver MS See Edelman RR
 Silver MS See Runge VM
 Silver RM See Crook AD
 Silver SF See Mathiesen JR
 Silver SE; Nadel HR; Flodmark O: pneumothorax after jejunal entrapment caused by a fracture dislocation of the lumbar spine, *AJR* 1988; 150: 1129
 Silver TM See Baker DE
 Silver TM See Helvie MA
 Silver TM See McCracken S
 Silver TM See Penner DR
 Silverman B See Rubinstein A
 Silverman ED See Drane WE
 Silverman ED See Karvelis KC
 Silverman JF See Lannin DR
 Silverman JF See Jacobson AF
 Silverman NJ See de Araujo LML
 Silverman NH See Didier D
 Silverman PM See Baker ME
 Silverman PM See Chiles C
 Silverman PM See Cooper C
 Silverman PM See Degesys GE
 Silverman PM See Raptopoulos V
 Silverman PM See Sussman SK
 Silverman PM See Zeman RK
 Silverman PM: gastric diverticulum mimicking adrenal mass: CT demonstration, *JCAT* 1986; 10: 709
 Silverman PM: medullary space involvement in laryngeal carcinoma: computed tomographic demonstration, (ab), *Radiology* 1986; 159: 823
 Silverman PM; Baker ME; Cooper C; et al: CT appearance of diffuse mesenteric edema, *JCAT* 1986; 10: 67
 Silverman PM; Baker ME; Cooper C; Kelvin FM: computed tomography of mesenteric disease, *Radiographics* 1987; 7: 309
 Silverman PM; Godwin JD: CT/bronchographic correlations in bronchiectasis, *JCAT* 1987; 11: 52
 Silverman PM; Kelvin FM; Baker ME; et al: computed tomography of the ileocecal region, *Comput Med Imag Graph* 1988; 12: 293
 Silverman PM; Osborne M; Duanick NR; et al: CT prior to second-look operation in ovarian cancer, *AJR* 1988; 150: 829
 Silverman PM; Spicer LD; McKinney R Jr; et al: computed tomographic evaluation of surgical clip artifact: tissue phantom and experimental animal assessment, *Comput Radiol* 1986; 10: 37
 Silverman RH See Coleman DJ
 Silverman RH; Coleman DJ; Luzzi FL; et al: ultrasonic tissue characterization and histopathology in tumor xenografts following ultrasonically induced hyperthermia, *Ultrasound Med Biol* 1986; 12: 639
 Silverman SG See Mueller PR
 Silverman SG; Mueller PR; Saini S; Hahn PF; Simeone JF; Forman BH; Steiner E; Ferrucci JT: thoracic emphysema: management with image-guided catheter drainage, *Radiology* 1988; 169: 5
 Silverstein AM; Jones RT: testicular feminization syndrome with pelvic seminoma, *J Ultrasound Med* 1988; 7: 477
 Silverstein AM; Turbinder EH: technetium-99m red blood cell venography in upper extremity deep venous thrombosis, *Clin Nucl Med* 1987; 12: 421
 Silverstein FE See Kimmey MB
 Silverstein FE See Wang KY
 Silverstein GS See Kane VG
 Silverstein MD See Corwin HL
 Silverstone DZ See Hall FM
 Silverthorn KG; Houston CS; Duncan BP: Murk Jensen's metaphyseal chondrodysplasia with long-term followup, *Pediatr Radiol* 1987; 17: 119
 Silverton NF: coronary angioplasty: comparison of direct measurement and subjective assessment of angiographic narrowing, *Clin Radiol* 1986; 37: 127
 Silvestre ME; Medina E; Andrea M; et al: direct multiplanar computed tomography in planning radiotherapy for malignant tumors of the nasopharynx, *Clin Radiol* 1986; 37: 15
 Silvestri RC See Zibrak JD
 Sim FH See Frassica FJ
 Simatos A See Fornage BD
 Simeone FA See Dolinssas CA
 Simeone FA See Han SS
 Simeone JF See Butch RJ
 Simeone JF See Mueller PR
 Simeone JF See O'Moore PV
 Simeone JF See Richter JM
 Simeone JF See Silverman SG
 Simeone JF See Steiner E
 Simeone JF See White EM
 Simeone JF See Widder DJ
 Simeone JF; Daniels GH; Hall DA; et al: sonography in the follow-up of 100 patients with thyroid carcinoma, *AJR* 1987; 148: 45
 Simerman L; Park CH; Thakur M: artifactual focal lung activity with indium-111 labeled leukocytes: technical pitfall, *Clin Nucl Med* 1986; 11: 840
 Simerman LP; Nino-Murcia G; Nino-Murcia M; et al: Montgomery tracheal cannula: radiological assessment, (ab), *Radiology* 1986; 158: 857
 Simmonds RC: training programs for researchers using animals, *Invest Radiol* 1987; 22: 756
 Simmons B See Sze G
 Simmons BP See Resnik CS
 Simmons JT See Miller DL
 Simmons JT See Pastakia B
 Simmons JT See Woolfenden JM
 Simmons JT; Doppman JL; Norton J: inferior thyroid artery arising from common carotid artery with aberrant right subclavian artery, *Cardiovasc Intervent Radiol* 1987; 10: 150
 Simmons JT; Pastakia B; Chase TN; et al: magnetic resonance imaging in Huntington disease, *AJNR* 1986; 7: 25
 Simmons JT; Suffredini AF; Lack EE; et al: nonspecific interstitial pneumonitis in patients with AIDS: radiologic features, *AJR* 1987; 149: 265
 Simmons RL See Hanto DW
 Simmons RL See Hunter DW
 Sime G See Camuner F
 Simon C See Luning M
 Simon DC See Beltran J
 Simon DL See Rose BS
 Simon GL See Bornstein DG
 Simon GL See Tuzon CU
 Simon J See Lalmand B
 Simon J: cervico-occipital joint (RX, CT), *Radiology* 1986; 161: 118
 Simon J; Danet B; Esquerre JF; et al: utility of caudal view in pelvic bone imaging, *Clin Nucl Med* 1986; 11: 614
 Simon J; Szumowski J; Totterman S; et al: fat-suppression MR imaging of the orbit, *AJNR* 1988; 9: 961
 Simon JE; Lukin RN: diskogenic disease of the cervical spine, *Semin Roentgenol* 1988; 23: 118
 Simon JH See Ekholm S
 Simon JH See Holtas SL
 Simon JH See Steiner E
 Simon JH; Ekholm SE; Kido DK; Uts R; Erickson J: high-dose iohexol myelography, *Radiology* 1987; 163: 455
 Simon JH; Ekholm SE; Morris TW; et al: further support for the glucose hypothesis of metrizamide toxicity: effect of metrizamide and glucose analogue-free contrast media on hexokinase, *Invest Radiol* 1987; 22: 137
 Simon JH; Holtas SL; Schiffer RB; Rudick RA; Herndon RM; Kido DK; Uts R: corpus callosum and subcallosal-periventricular lesions in multiple sclerosis: detection with MR, *Radiology* 1986; 160: 363
 Simon JH; Schiffer RB; Rudick RA; et al: quantitative determination of MS-induced corpus callosum atrophy in vivo using MR imaging, *AJNR* 1987; 8: 599
 Simon JS See Lanir A
 Simon M See Hall FM
 Simon MA See Finn HA
 Simon MA See Levin DN
 Simon MA See Schwartz HS
 Simon NV; Levitsky JS; Shearer DM; et al: influence of fetal growth patterns on sonographic estimation of fetal weight, *JCU* 1987; 15: 376
 Simon NV; Levitsky JS; Shearer DM; et al: predictiveness of sonographic fetal weight estimation as a function of prior probability of intrauterine growth retardation, *JCU* 1988; 16: 285
 Simon SB See LeFree NJT
 Simon SR See Murphy SB
 Simon TR See Balaban EP
 Simon TR See Keller AM
 Simon TR See Walker BS
 Simon TR; Middleton RA; Barr P; et al: dynamic process captured on a single image: approach to screening for abnormal superior vena caval flow, *J Nucl Med* 1986; 27: 838
 Simonneau G See Girard P
 Simonneau G See Musset D
 Simons AJ See Kourvenberg JJ
 Simons MA See Gullberg GT
 Simons MA; Bastian BV; Bray BE; et al: comparison of observer and videodensitometric measurements of simulated coronary artery stenoses, *Invest Radiol* 1987; 22: 562
 Simons MA; Kruger RA; Power RL: cross-sectional area measurements by digital subtraction videodensitometry, *Invest Radiol* 1986; 21: 637
 Simons MA; Muskett AD; Kruger RA; et al: quantitative digital subtraction coronary angiography using videodensitometry: an in vivo analysis, *Invest Radiol* 1988; 23: 98
 Simons ME; Cooperberg PL; Graham MF: ultrasound findings in ectopic gestation, *J Canad Assoc Radiol* 1986; 37: 9
 Simonsen S See Smith H-J
 Simonsen-Smit IM See van Waas PFGM
 Simor IS See Baines CJ
 Simpfendorfer C See Bellamy GR
 Simpson CJ See Daly J
 Simpson EL; Coleman BG; Arger PH; et al: hyperdense pelvic and inguinal lymph nodes, *CT* 1988; 12: 45
 Simpson EL; Coleman BG; Sondheimer SJ; et al: in vitro fertilization and embryo transfer complicated by simultaneous ectopic and intrauterine twin gestation, *J Ultrasound Med* 1986; 5: 49
 Simpson EL; Mintz MC; Pollack HM; et al: computed tomography in the diagnosis of renal pseudotumors, *CT* 1986; 10: 341
 Simpson G See Goldstein RB
 Simpson GF See Filly RA
 Simpson GF See Townsend RR
 Simpson JB See Schwartz ED
 Simpson JL See Glanopoulos J
 Simpson JR See Abrath FG
 Simpson JR See Armstrong BA
 Simpson JR See Emami B
 Simpson JR; Bauer M; Wasserman TH; et al: large fraction irradiation with or without misomidazole in advanced non-ov cell carcinoma of the lung: phase III randomized trial of the RTOG, *Int J Radiat Oncol Biol Phys* 1987; 13: 861
 Simpson L See Lau LSW
 Simpson WF Jr; Sade RM; Crawford FA; et al: double-chambered right ventricle, (ab), *Radiology* 1988; 166: 589
 Simpson WJ; Panzarella T; Carruthers JS; et al: papillary and follicular thyroid cancer: impact of treatment in 1578 patients, *Int J Radiat Oncol Biol Phys* 1986; 14: 1063
 Sims ME; Halterman G; Jasani N; et al: indications for routine cranial ultrasound scanning in the nursery, *JCU* 1986; 14: 443
 Sims RE See Helms CA
 Sims RE See Steinbach LS
 Sims RE; Genant HK: magnetic resonance imaging of joint disease, *Radiol Clin North Am* 1986; 24: 179
 Sinadinovic J See Ratkovic S
 Sinatra FR See Kumura D
 Sinclair TR See Smith TP
 Sindelar WF See Kinsella TJ
 Sindelar WF; Hoekstra HJ; Kinsella TJ; et al: response of canine esophagus to intraoperative electron beam radiotherapy, *Int J Radiat Oncol Biol Phys* 1988; 15: 663
 Singbartl G See Schregel W
 Singcharoen T See Baddeley H
 Singcharoen T; Partridge J; Jeans WD; et al: arteriohepatic dysplasia, *Br J Radiol* 1986; 59: 509
 Singcharoen T; Praisontarangkul O-A: radiological findings in syphilitic proctitis, *Br J Radiol* 1987; 60: 1137
 Singcharoen T; Rawd-Aree F; Baddeley H: computed tomography findings in disseminated paragonimiasis, *Br J Radiol* 1988; 61: 83
 Singcharoen T; Silprasert W: CT findings in pulmonary paragonimiasis, *JCAT* 1987; 11: 1101
 Singer JR: nuclear magnetic resonance blood flow measurements, *Cardiovasc Intervent Radiol* 1986; 8: 251
 Singer SJ See Kandarpa K
 Singer SJ; Rubin IL; Strauss KJ: atlantoaxial distance in patients with Down syndrome: standardization of measurement, *Radiology* 1987; 164: 871
 Singh A; Barthel J: delayed gastric emptying associated with gastric bezoar, *Semin Nucl Med* 1988; 18: 173
 Singh M; Horne C: use of a germanium detector to optimize scatter correction in SPECT, *J Nucl Med* 1987; 28: 1853
 Singh R See Khatagi FK
 Singh RR See Rosner NH
 Singh S See Boxer RA
 Singh SP See Anil OEO

- Singham KT See Puvaneswary M
 Singmon RD See Feldman F
 Singmon RD See Rosenberg ZS
 Singmon RD; Berdon WE; Feldman F; Denton JR; Abramson S; Baker DH: "missing" femoral condyle: unusual sequela to neonatal osteomyelitis and septic arthritis. *Radiology* 1986; 161: 359
 Singmon RD; Feldman F; Bigliani LU: CT arthrographic patterns in recurrent glenohumeral instability. *AJR* 1987; 149: 749
 Singmon RD; Feldman F; Bigliani LU; Rosenberg ZS: recurrent shoulder dislocation after surgical repair: double-contrast CT arthrography. work in progress. *Radiology* 1987; 164: 425
 Singmon RD; Feldman F; Rosenberg ZS: elbow joint: assessment with double-contrast CT arthrography. *Radiology* 1986; 160: 167
 Singmon RD; Feldman F; Slipman CW; Gonzalez E; Rosenberg ZS; Kiernan H: postoperative neuromas and other symptomatic stump abnormalities: detection with CT. *Radiology* 1987; 162: 743
 Sinha PP: bilateral stage Ib glottic carcinoma: results of radiation therapy. *Radiology* 1988; 169: 835
 Sinha PP: radiation therapy in early carcinoma of the true vocal cords (stage I and II). *Int J Radiat Oncol Biol Phys* 1987; 13: 1635
 Siiniluoto T; Pääväsalo M; Lohela P: multicystic wandering spleen. *JCU* 1987; 13: 475
 Siiniluoto TMJ See Pääväsalo M
 Siiniluoto TMJ; Hellström PA; Pääväsalo MJ; et al: testicular infarction following ethanol embolization of a renal neoplasm. *Cardiovasc Intervent Radiol* 1988; 11: 162
 Sinkin RA See Wood BP
 Sinn HJ See Georgi P
 Sinner WN: importance and value of a preoperative diagnosis in oat cell carcinoma by radiography and its verification by fine needle biopsy (FNB). (ab). *Radiology* 1986; 158: 565
 Sinner WN: triple fine-needle biopsy of Kulchitsky cell carcinomas I, II (bronchial adenomas). *Eur J Radiol* 1988; 8: 165
 Sinning I See Harcke HT
 Sipila P See Kauppila A
 Sippo WC; Moreno AJ; Cabellon S; et al: effect of prolonged fasting and total parenteral nutrition on hepatobiliary imaging with technetium-99m DISIDA. *Clin Nucl Med* 1987; 12: 169
 Siqueira EB See Jenkins JR
 Siragusa R See Miles SG
 Siragusa RJ See Hawkins JS
 Sirinelli D; Biriotti V; Schmitt P; et al: urinoma and arterial hypertension complicating neonatal renal candidiasis. *Pediatr Radiol* 1987; 17: 156
 Sirivella S; Ford WB; Zikria EA; et al: foregut cysts of the mediastinum: results in 20 consecutive surgically treated cases. (ab). *Radiology* 1986; 160: 283
 Sirola I; Hertz M; Laufer J; et al: familial vesicoureteral reflux: study of 16 families. *Urol Radiol* 1986; 8: 22
 Sirotta L See Samuel N
 Sirotta PS See Breitz HB
 Sirotta PS; Dubinsky TJ: falsely positive radionuclide venogram following DTPA aerosol ventilation scan. *Clin Nucl Med* 1987; 12: 325
 Sitrin RG See Wencel ML
 Sitzmann JV See Merline DS
 Sivananthan K See Maniathan WJ
 Sivinski PR See Fiddian-Green RG
 Sivitt CJ See Guest SS
 Sivitt CJ; Hill MC; Larsen JW; et al: sonographic evaluation of fetal anomalies in oligohydramnios between 16 and 30 weeks gestation. *AJR* 1986; 146: 1277
 Sivitt CJ; Hill MC; Larsen JW; Lande IM: second-trimester polyhydramnios: evaluation with US. *Radiology* 1987; 165: 467
 Sivitt CJ; Schwartz AM; Rockoff SD: Kaposi's sarcoma of the lung in AIDS: radiologic-pathologic analysis. *AJR* 1987; 148: 25
 Sjöberg S; Hellsten S; Almén T; et al: estimating kidney function during urography: comparison of contrast medium clearance and simultaneous ⁵¹Cr-EDTA clearance. *Acta Radiol* 1987; 28: 587
 Sjöblom KG See Ekberg O
 Sjödahl R See Starkhammar H
 Sjoval K; Silfversward C; Einhorn N: ovarian cancer: challenge of local tumor control and its impact on survival. *Int J Radiat Oncol Biol Phys* 1986; 12: 567
 Skaane P: ultrasonic demonstration of a pedunculated colonic polyp. *JCU* 1987; 13: 204
 Skaane P; Skjennald A; Solberg LA: unilateral breast hyperplasia in pregnancy simulating neoplasm. *Br J Radiol* 1987; 60: 407
 Skaarup P; Thomsen HS: urinary protein profiles following urography with iohalamate: a preliminary report. *Acta Radiol* 1987; 28: 335
 Skagen K See Kelbaek H
 Skälpe IO See Stormorken H
 Skälpe IO: complications in cerebral angiography with iohexol (Omnipaque) and meglumine metrizoate (Isopaque cerebral). *Neuroradiol* 1988; 30: 69
 Skälpe IO; Nakstad P: myelography with iohexol (Omnipaque): a clinical report with special reference to the adverse effects. *Neuroradiol* 1988; 30: 169
 Skarsgard LD; Harrison I; Durand RE; et al: radiosensitization of hypoxic cells at low doses. *Int J Radiat Oncol Biol Phys* 1986; 12: 1075
 Skarzynski JJ See Lee HK
 Skarzynski JJ See Slavin JD Jr
 Skarzynski JJ; Lee HK: gastrointestinal bleeding detected in scrotal hernia. *Clin Nucl Med* 1987; 12: 322
 Skarzynski JJ; Lee HK; Vieux U: biloma detected on hepatobiliary scan. *Clin Nucl Med* 1987; 12: 410
 Skarzynski JJ; Mockapetris A; Lee HK; et al: mycotic aneurysm visualized on technetium-99m venogram. *Clin Nucl Med* 1987; 12: 428
 Skarzynski JJ; Sherman W; Lee HK; et al: patchy uptake of gallium in the lungs of AIDS patients with atypical mycobacterial infection. *Clin Nucl Med* 1987; 12: 507
 Skarzynski JJ; Slavin JD Jr; Spencer RP; et al: "matching" ventilation/perfusion images in fat embolization. *Clin Nucl Med* 1986; 11: 40
 Skidmore R See Beard JD
 Skidmore R See Drayton MR
 Skidmore R See Qamar MI
 Skinner DB See Ferguson MK
 Skinner DG See Ralls FW
 Skinner M See Lee VW
 Skinner RWS See DeGalan MR
 Skinner SR See Brody AS
 Skjoldbrand C See Cardoza J
 Skiptunas SM; Weiner S: early prenatal diagnosis of asphyxiating thoracic dysplasia (Jeune's syndrome): value of fetal thoracic measurement. *J Ultrasound Med* 1987; 6: 41
 Skirving AP See Perkins R
 Skjaeris J See Thorvinger B
 Skjennald A See Skaane P
 Skjoldt T; Svendsen J; Jacobsen EB; et al: cerebral atrophy in younger persons: a comparative study between clinical examinations and computed tomography. *Clin Radiol* 1987; 38: 367
 Skog S; Nordell B; Ericsson A; et al: changes in energy metabolism following roentgen irradiation of in vivo growing Ehrlich ascites tumour cells studied by ³¹P magnetic resonance spectroscopy. *Acta Oncol* 1986; 25: 63
 Skolkin MD See Sanchez FW
 Skolnick ML See Longley DG
 Skolnick ML See Tobben FJ
 Skolyszewski J; Fowler JF; Huczakowski J: short-course neutron therapy for advanced head and neck cancer. *Br J Radiol* 1988; 61: 857
 Skolyszewski J; Korzeniowski S; re-irradiation of recurrent head and neck cancer with fast neutrons. *Br J Radiol* 1988; 61: 527
 Skolyszewski J; Korzeniowski S; Huczakowski J: results of fast neutron therapy in advanced head and neck cancer. *Br J Radiol* 1988; 61: 301
 Skomorowska E; Hegedus V: sex differences in anorectal angle and perineal descent. *Gastrointest Radiol* 1987; 12: 353
 Skomorowska E; Henrichsen S; Christiansen J; et al: videodefecography combined with measurement of the anorectal angle and of perineal descent. *Acta Radiol* 1987; 28: 559
 Skorton DJ; Collins SM: quantitation in echocardiography. *Cardiovasc Intervent Radiol* 1987; 10: 316
 Skosey C See Nannheim KS
 Skov KA See Chan PKL
 Skowronski GA; Runciman WB; Crawford CWS; et al: acute systemic reactions to intravascular contrast media—a planned approach. *Australas Radiol* 1987; 31: 186
 Skubik SE; Faturou PP: absorbed breast dose: dependence on radiographic modality and technique, and breast thickness. *Radiology* 1986; 161: 263
 Skucas J See Miller TL
 Skucas J: bocus gastroenterology. 7 vols, 4th ed. *Radiology* 1986; 159: 88
 Skultety FM See Kumar PP
 Skupin A; Gomez F; Husain M; et al: complications of transthoracic needle biopsy decreased with isobutyl 2-cyanoacrylate: a pilot study. (ab). *Radiology* 1987; 165: 883
 Skwarok DJ; Goiney RC; Cooperberg FL: hepatic pseudotumors in patients with ascites. *J Ultrasound Med* 1986; 5: 5
 Slack RWT; Phelps PD: familial mixed deafness with branchial arch defects (earpits-deafness syndrome). (ab). *Radiology* 1986; 160: 286
 Slater CJ See Bom N
 Slater JMK; Lai C-S; Hyde JS: proton relaxation enhancement investigation of the binding of fatty acid spin labels to human serum albumin. *Magn Res Med* 1986; 3: 699
 Slasky BS See Harris KM
 Slasky BS; Bydder GM; Niendorf HP; et al: MR imaging with gadolinium-DTPA in the differentiation of tumor, syrinx, and cyst of the spinal cord. *JCAT* 1987; 11: 845
 Slasky BS; Sashin D; Horton JA; et al: digital radiography of the chest by self-scanning linear diode arrays. *Acta Radiol* 1987; 28: 461
 Slater DN See Jennings CM
 Slater JD; Austin-Seymour M; Munzenrider J; et al: endocrine function following high dose proton therapy for tumors of the upper clivus. *Int J Radiat Oncol Biol Phys* 1988; 15: 607
 Slater JD; McNeece MD; Peters LJ: radiation therapy for unresectable soft tissue sarcomas. *Int J Radiat Oncol Biol Phys* 1986; 12: 1729
 Slater JM; Miller DW; Archambeau JO: development of a hospital-based proton beam treatment center. *Int J Radiat Oncol Biol Phys* 1988; 14: 761
 Slaughter RE See Partridge JB
 Slavin G See Williams I
 Slavin JD Jr See Ginsberg F
 Slavin JD Jr See Mathews J
 Slavin JD Jr See Skarzynski JJ
 Slavin JD Jr See Vento JA
 Slavin JD Jr See Yousufani Z
 Slavin JD Jr See Ziewacz JT
 Slavin JD Jr; Grimmer AP; Spencer RP: vascular neck lesion from bronchogenic carcinoma. *Clin Nucl Med* 1987; 12: 65
 Slavin JD Jr; Mack JM; Spencer RP: delayed accumulation (flip flop) of Tc-99m DTPA in a leiomyosarcoma. *Clin Nucl Med* 1988; 13: 654
 Slavin JD Jr; Mathews J; Spencer RP: bone imaging in the diagnosis of fractures of the femur and pelvis in the sixth to tenth decades. *Clin Nucl Med* 1986; 11: 328
 Slavin JD Jr; Mathews J; Spencer RP: splenectomy for splenic metastasis from carcinoma of colon. *Clin Nucl Med* 1986; 11: 491
 Slavin JD Jr; Peracha H; Spencer RP: varied presentation of urinary extravasation detected on bone imaging. *Clin Nucl Med* 1987; 12: 890
 Slavin JD Jr; Skarzynski JJ; Spencer RP: renocutaneous inflammatory tract shown during technetium-99m DTPA imaging. *Clin Nucl Med* 1986; 11: 53

- Slavin JD Jr; Vento JA; Spencer RP: false-positive spleen imaging: splenic cleft and accessory spleen, *Clin Nucl Med* 1986; 11: 509
- Slavin JD Jr; Yousufi Z; Spencer RP: bone scan cold spot from separation of osseous fragments in pathologic fracture, *Clin Nucl Med* 1987; 12: 659
- Slavin JD Jr; Yousufi Z; Spencer RP: hepatic hot spot on both radiocolloid and hepatobiliary imaging in acute cholecystitis, *Clin Nucl Med* 1987; 12: 536
- Slavin RE See Bhagavan BS
- Slawson RG See Salazar OM
- Slawson RG; Salazar OM; Poussin-Rosillo H; et al: once-a-week vs conventional daily radiation treatment for lung cancer: final report, *Int J Radiat Oncol Biol Phys* 1988; 15: 61
- Sleder PR See Kaplan PA
- Sleder PR See Lieberman RP
- Slegers G See De Spiegeler B
- Slesarev VI See Tsyb AF
- Slevin NJ; McWilliam LJ; Pearson D: adult neophyloma—five cases treated by surgery, radiotherapy and chemotherapy, *Clin Radiol* 1987; 38: 483
- Silpman CW See Singdon RD
- Silzofski WJ: focal hepatic mass screening: MR imaging or CT scanning?, *Radiology* 1987; 163: 830
- Silzofski WJ; Collier BD; Flatley TJ; et al: painful pseudarthrosis following lumbar spinal fusion: detection by combined SPECT and planar bone scintigraphy, *Skeletal Radiol* 1987; 16: 136
- Silzofski WJ; Croll MN; Dadgarvar S: striking visualization of an A-V dialysis shunt on bone imaging, *Clin Nucl Med* 1988; 13: 469
- Slonic AM; Ferguson C: ultrasonic features of an unusual cholesterol gallstone, *J Canad Assoc Radiol* 1988; 39: 155
- Slone RM See Atkins EW
- Slone RM See Petersson H
- Slone RM; Buck LL; Fitzsimmons JR: varying gradient angles and offsets to optimize imaging planes in MR, *Radiology* 1986; 158: 531
- Slossman DO; Brill AB; Folla BS; et al: evaluation of [iodine-125]N,N,N'-trimethyl-N'-(2-hydroxy-3-methyl-5-iodobenzyl)-1,3-propanediamine lung uptake using an isolated-perfused lung model, *J Nucl Med* 1987; 28: 203
- Slossman DO; Morel DR; Alderson PO: new imaging approach to quantitative evaluation of pulmonary vascular endothelial metabolism, *J Thorac Imag* 1988; 3-1: 49
- Slovits TL See Baker DH
- Slovits TL See Naria LD
- Slovits TL See Sarnaik AP
- Slovits TL See Vinocur L
- Slovits TL: isotropic disorders of the fetus, infant, and child, vol. 2, *Radiology* 1986; 159: 768
- Slovits TL; Poland RL: endotracheal tubes in neonates: sonographic positioning, *Radiology* 1986; 160: 262
- Slovits TL; Sell LL; Bedard MF; et al: ultrasonographic findings (CNS, thorax, abdomen) in infants undergoing extracorporeal oxygenation therapy, *Pediatr Radiol* 1988; 18: 112
- Sluiter HE See Lenders JWM
- Slutsky VS See de Lange EE
- Smales E; Perry CM; MacDonald JS; et al: value of lymphography in the management of carcinoma of the cervix, *Clin Radiol* 1986; 37: 19
- Small P See Chrispin A
- Smalley SR; Cupps RE; Anderson JA; et al: polymorphic reticulosis limited to the upper aerodigestive tract—natural history and radiotherapeutic considerations, *Int J Radiat Oncol Biol Phys* 1988; 15: 599
- Smalley SR; Schray MF; Laws ER Jr; et al: adjuvant radiation therapy after surgical resection of solitary brain metastasis: association with pattern of failure and survival, *Int J Radiat Oncol Biol Phys* 1987; 13: 1611
- Smallhorn JS See Burrows PE
- Smalling RW See Goldstein RA
- Smaltino F See Rotondo A
- Smathers RL See Seidenwurm D
- Smathers RL: mammographic microcalcifications: detection with xerography, screen-film, and digitized film display: reply, *Radiology* 1987; 162: 879
- Smathers RL; Bush E; Drace J; Stevens M; Sommer FC; Karner BW Jr; Karner B: mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, *Radiology* 1986; 159: 673
- Smergel EM See Gainy MA
- Smergel EM; Harcke HT; Pizzuttillo PD; et al: use of bone scintigraphy in the management of slipped capital femoral epiphysis, *Clin Nucl Med* 1987; 12: 349
- Smet MH See Casselman JW
- Smevik B See Lindberg H
- Smevik B; Lindberg H; Tjønne S; et al: technical note: in vitro balloon dilatation of the banded pulmonary artery, *Cardiovasc Intervent Radiol* 1988; 11: 155
- Smick J See Vade A
- Smid A See Francis IR
- Smid DM See Hernandez RJ
- Smievoll AI See Larsen JL
- Smiljanic N See Podobnik M
- Smirniotopoulos J See Hartman DS
- Smirniotopoulos JG See Black ML
- Smirniotopoulos JG See Moser RP Jr
- Smith A See West-Jordan JA
- Smith AD See Badiani G
- Smith AD See Khasidy LR
- Smith AD See Lee WJ
- Smith AD See Snyder JA
- Smith AD; Orihuela E; Crowley AR: percutaneous management of renal pelvic tumors: a treatment option in selected cases, (ab), *Radiology* 1988; 166: 583
- Smith AR See van der Kogel AJ
- Smith AS; Weinstein MA; Quencer RM; Muroff LR; Stoner KJ; Li FC; Wener L; Solomon MA; Cruse RP; Rosenberg LH; Berke JP: association of heterotopic gray matter with seizures: MR imaging, work in progress, *Radiology* 1988; 166: 195
- Smith BM See Dean RH
- Smith BR See Effmann EL
- Smith C See Gardiner R
- Smith C See Kubicka RA
- Smith C See Rabin DN
- Smith C; Gardiner R: efficacy of postevacuation view after double-contrast barium enema, *Gastrointest Radiol* 1987; 12: 268
- Smith CR See Cohen EK
- Smith CR See Powe NR
- Smith CW See Griffiths H
- Smith DAS See Hsieh CJ
- Smith DC See de Paredes ES
- Smith DC See Jasinski RW
- Smith DC See Lois JF
- Smith DC See Racker DR
- Smith DC See Stark P
- Smith DC; Lois JF; Gomes AS; Maloney MD; Yahiku PY: pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate, *Radiology* 1987; 162: 617
- Smith DC; Maloney MD: pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate: reply, *Radiology* 1987; 164: 875
- Smith DC; Yahiku PY; Maloney MD; et al: three new low-osmolality contrast agents: a comparative study of patient discomfort, *AJNR* 1988; 9: 137
- Smith DF See Enig B
- Smith DF See Falk RL
- Smith DF See Foley WD
- Smith DF See Middleton WD
- Smith DJ See Jackson VP
- Smith E See Dawson P
- Smith E; Nias AHW: artefactual results with CHIP perhydrate, *Br J Radiol* 1986; 59: 189
- Smith EH See Raptopoulos V
- Smith FW See Deans HE
- Smith FW See Lewis R
- Smith FW See MacLennan FM
- Smith FW See Rawluk D
- Smith FW See Redpath TW
- Smith FW See Sharp PF
- Smith FW See Wilson FMA
- Smith FW: magnetic resonance imaging of midline brain tumors using inversion recovery sequences at 0.08 T (3.4 MHz), *Magn Res Med* 1987; 5: 118
- Smith FW: magnetic resonance tomography of the pelvis, *Cardiovasc Intervent Radiol* 1986; 9: 367
- Smith FW: musculo-skeletal magnetic resonance imaging using inversion recovery pulse sequences at 0.08 T, *Clin Radiol* 1988; 39: 412
- Smith FW; Cherrymann GR; Bayliss AP; et al: comparative study of the accuracy of ultrasound imaging, x-ray computerized tomography and low field MRI diagnosis of ovarian malignancy, *Magn Res Imag* 1988; 6: 225
- Smith FW; Deans HE; McLay KA; et al: magnetic resonance imaging of the parotid glands using inversion-recovery sequences at 0.08 T, *Br J Radiol* 1988; 61: 480
- Smith FW; Donald RT; Morris AJ; et al: study of regional cerebral blood flow in stroke patients using technetium 99m HMPAO, *Br J Radiol* 1988; 61: 358
- Smith FW; Sarkar TK; Hewitt JR: monitoring of bladder neoplasia by low-field magnetic resonance imaging, *Br J Radiol* 1988; 61: 166
- Smith FW; Sutherland HW: magnetic resonance imaging: the use of the inversion recovery sequence to display fetal morphology, *Br J Radiol* 1988; 61: 338
- Smith GJW See Sostman D
- Smith GJW See Sostman HD
- Smith H: ICRP publication 50: lung cancer risk from indoor exposures to radon daughters, *J Canad Assoc Radiol* 1988; 39: 144
- Smith H: lung cancer risk from indoor exposure to radon daughters, *Radiology* 1988; 167: 580
- Smith H: statement from the 1987 Washington meeting of the International Commission on Radiological Protection, *J Canad Assoc Radiol* 1988; 39: 216
- Smith H; Thorne MC: origins and work of the International Commission on Radiological Protection, *Invest Radiol* 1987; 22: 918
- Smith H: performance of barium examinations after acute myocardial infarction: report of a survey, *AJR* 1987; 149: 63
- Smith HJ; Dunnagan SA; Feldman M; et al: diarrhea, weight loss, and lymphadenopathy in a 50-year-old man, *Invest Radiol* 1986; 21: 808
- Smith H-J; Grotthum P; Simonsen S: ultrasonic assessment of abdominal venous return: II. volume blood flow in the inferior vena cava and portal vein, *Acta Radiol* 1986; 27: 23
- Smith HJ; Lee EL: umbilicated adenomas in familial polyposis coli: radiologic and histologic correlation (case report), *AJR* 1986; 147: 61
- Smith HJ; Strother CM; Kikuchi Y; et al: MR imaging in the management of supratentorial intracranial AVMs, *AJNR* 1988; 9: 225
- Smith HR See Steinberg AD
- Smith ICF See Butler KW
- Smith IE See Hoskin PJ
- Smith J See Rosaleigh MA
- Smith J: postirradiation sarcoma of bone in Hodgkin disease, *Skeletal Radiol* 1987; 16: 524
- Smith J: radiology of lymphomas, *Radiology* 1987; 162: 492
- Smith J: radiology of the spine: tumors, *Radiology* 1987; 162: 270
- Smith J; Ludwig RL; Marcove RC: sacrococcygeal chordoma: clinicoradiological study of 60 patients, *Skeletal Radiol* 1987; 16: 37
- Smith J; Yurba F; Watson RC: primary tumors and tumor-like lesions of the clavicle, *Skeletal Radiol* 1988; 17: 235
- Smith JA See Andreoli SP
- Smith JA See Belt TG
- Smith JA See Cory DA
- Smith JA: cardiopulmonary manifestations of sickle cell disease in childhood, *Semin Roentgenol* 1987; 22: 160
- Smith JA Jr See Jacobson GM
- Smith JC; Janower ML; Geiger AH: use of glucagon and gas-forming agents in acute esophageal food impaction, *Radiology* 1986; 159: 567
- Smith JH See Jackson PC
- Smith JP: building a winning team: risk management for the radiologist's employees, *AJR* 1988; 151: 255
- Smith JRG; King WWK; Tang WYM; et al: differentiating tumours of the deep and superficial lobes of the parotid gland by computed tomographic sialography, *Clin Radiol* 1987; 38: 345
- Smith JRG; Martin IB; Shaw DG; et al: progressive non-infectious anterior vertebral fusion, *Skeletal Radiol* 1986; 15: 599
- Smith KA See Rojas A
- Smith KM See Weese-Mayer DE
- Smith KR See Filla TJ
- Smith LG See Haft JI
- Smith LS See Bottomley PA
- Smith M See Prato FS
- Smith MA See Kean DM
- Smith MA See MacDonald HL
- Smith MA See Ridgway JP
- Smith MA; Pye DW: surface coil design for a vertical field MRI system and its application in imaging the breast, *Magn Res Imag* 1986; 4: 455
- Smith MJV See Klein FA
- Smith MR; Nichols ST: efficient algorithms for generating interpolated (zoomed) MR images, *Magn Res Med* 1988; 7: 156
- Smith MR; Nichols ST; Henkelman RM; et al: application of autoregressive modelling in magnetic resonance imaging to remove noise and truncation artifacts, *Magn Res Imag* 1986; 4: 257
- Smith NJD See Horner K
- Smith O: minimum data input computer program for Selectron treatment calculation, *Br J Radiol* 1987; 60: 181
- Smith PD See Woolfenden JM
- Smith PD; Lane HC; Gill VJ; et al: intestinal infections in patients with the acquired immunodeficiency syndrome (AIDS): etiology and response in therapy, (ab), *Radiology* 1988; 169: 583

- Smith PG See Lewis CA
- Smith PJ; Mircheva J; Bleeen NM: interaction of bleomycin, hyperthermia and a calmodulin inhibitor (trifluoperazine) in mouse tumor cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1363
- Smith PL See Haponik EF
- Smith PM See Rose JD
- Smith R See Copely DJ
- Smith R See Hulseley JM
- Smith R See Levy HM
- Smith R See Postma MP
- Smith R: nuclear medicine annual 1985. *Radiology* 1986; 158: 40
- Smith R; Copely DJ; Bolen FH: ^{99m}Tc RBC scintigraphy: correlation of gastrointestinal bleeding rates with scintigraphic findings. *AJR* 1987; 148: 869
- Smith R; Ellis K; Alderson PO: role of chest radiography in predicting the extent of airway disease in patients with suspected pulmonary embolism. *Radiology* 1986; 159: 391
- Smith R; Hulseley JM: bone scintigraphic demonstration of synovial chondromatosis. *Clin Nucl Med* 1987; 12: 120
- Smith R; Maher JM; Miller RI; Alderson PO: clinical outcomes of patients with suspected pulmonary embolism and low-probability aerosol-perfusion scintigrams. *Radiology* 1987; 164: 731
- Smith R; Rosen JM; Alderson PO: gallbladder perforation: diagnostic utility of cholecystography in suggested subacute or chronic cases. *Radiology* 1986; 158: 63
- Smith RA See Sanford RA
- Smith RC; Mann H; Greenspan RH; et al: radiographic differentiation between different etiologies of pulmonary edema. *Invest Radiol* 1987; 22: 659
- Smith RF See Cruz C
- Smith RG See Fajardo LL
- Smith RJ See Moore JB
- Smith RJH See Spiers JR
- Smith RJH See Wright GL
- Smith RML: computed tomography of the cranial skeleton (face and skull). *Radiology* 1987; 164: 58
- Smith RR See Zeiss J
- Smith RR; Savolaine ER: computed tomography evaluation of multicystic encephalomalacia. *CT* 1986; 10: 249
- Smith S See Newman B
- Smith S See Reicher MA
- Smith S; Leibrock LG; Gelber BR; et al: acute herniated nucleus pulposus with cauda equina compression syndrome following chemonucleolysis: report of three cases. (ab). *Radiology* 1988; 166: 591
- Smith SEW: unexpected anterior urethral diverticula. *Clin Radiol* 1986; 37: 55
- Smith SJ See Fagel WJ
- Smith SJ See Vyborny CJ
- Smith SJ; Bosniak MA; Megibow AJ; et al: CT demonstration of rapid improvement of retroperitoneal fibrosis in response to steroid therapy. *Urol Radiol* 1986; 8: 104
- Smith SJ; Vogelzang RL; Smith WM; et al: papillary adenocarcinoma of the rete testis: sonographic findings. *AJR* 1987; 148: 1147
- Smith SW; Trahey GE; von Ramm OT: phased array ultrasound imaging through planar tissue layers. *Ultrasound Med Biol* 1986; 12: 229
- Smith T See Edmonds CJ
- Smith T; Zanelli GD; Veall N: radiation absorbed dose from technetium-99m DTPA. *J Nucl Med* 1987; 28: 240
- Smith TH See Hayden CK Jr
- Smith TH See Rollins NK
- Smith TP See Brazzini A
- Smith TP See Cardella JF
- Smith TP See Cragg AH
- Smith TP See Darcy MD
- Smith TP See Hunter DW
- Smith TP; Cardella JF; Darcy MD; et al: lower-extremity venography: value of femoral-vein compression. *AJR* 1986; 147: 1025
- Smith TP; Castaneda-Zuniga WR; Darcy MD; et al: current trends in the management of urinary stones. *Acta Radiol* 1988; 29: 145
- Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K: new retention catheter. *Radiology* 1986; 160: 559
- Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K: new super-stiff guide wire. *Radiology* 1986; 161: 551
- Smith TP; Derauf BJ; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K: movable core guide wire: evaluation of improved model. *Radiology* 1986; 159: 552
- Smith TP; Hunter DW; Cragg AH; Darcy MD; Castaneda-Zuniga WR; Sinclair TR; Ercole C; Hulbert JC; Kaye KW; Amplatz K: spermatic vein embolization with hot contrast material: fertility results. *Radiology* 1988; 168: 137
- Smith TP; Hunter DW; Darcy MD; et al: thrombosed synthetic hemodialysis access fistula: success of combined thrombectomy and angioplasty (technical note). *AJR* 1986; 147: 161
- Smith TP; Hunter DW; Hulbert JC; et al: direct percutaneous ureterolithotomy. *AJR* 1987; 148: 617
- Smith TP; Hunter DW; Letourneau JG; et al: urinary obstruction in renal transplants: diagnosis by antegrade pyelography and results of percutaneous treatment. *AJR* 1988; 151: 507
- Smith TP; Hunter DW; Letourneau JG; et al: urine leaks after renal transplantation: value of percutaneous pyelography and drainage for diagnosis and treatment. *AJR* 1988; 151: 511
- Smith TP; Rosel PW; Hunter DW; et al: percutaneous transhepatic biliary endoscopic procedures. *Gastrointest Radiol* 1987; 12: 144
- Smith TP; Vlodavet Z; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K: improved vessel dilator for percutaneous catheterization. *Radiology* 1987; 163: 271
- Smith TP; Young AT; Hunter DW; et al: limited usefulness of carbon dioxide as a contrast agent for cholangiography. *Gastrointest Radiol* 1987; 12: 43
- Smith TR; Tyler IM: CT demonstration of a giant colonic diverticulum. *Gastrointest Radiol* 1987; 12: 73
- Smith W See Frey EE
- Smith W See McCray P
- Smith W See Mahoney LT
- Smith W See Sato Y
- Smith W See Stanford W
- Smith W See Uken P
- Smith WB See Sty JR
- Smith WE See Reglinak J
- Smith WK See Schlusberg DS
- Smith WL See Edwards MT
- Smith WL See Ellerbroek C
- Smith WL See Franken EA Jr
- Smith WL See Frey EE
- Smith WL See Morris KJ
- Smith WL See Renfrew DL
- Smith WL See Sato Y
- Smith WL See Schreiber A
- Smith WL See Tarico VS
- Smith WL; Berbaum K; Franken EA Jr; et al: comparison of lecture and case presentation formats for teaching radiology to residents. *Invest Radiol* 1986; 21: 285
- Smith WL; Kathol M; Franken EA Jr; et al: curriculum topics in radiology education. *Invest Radiol* 1987; 22: 521
- Smith WM See Smith SJ
- Smith Y See Grant EG
- Smitherman TC See Keller AM
- Smithson LV; Lipper MH; Hall JA Jr: paranasal sinus involvement in thalassemia major: CT demonstration. *AJNR* 1987; 8: 564
- Smoker WRK See Armstrong WG
- Smoker WRK See Biller J
- Smoker WRK See Coit WE
- Smoker WRK See Dunn V
- Smoker WRK See Gentry LR
- Smoker WRK See Harnsberger HR
- Smoker WRK See Jacobs CJM
- Smoker WRK See Loes DJ
- Smoker WRK See Osborn AG
- Smoker WRK See Reinartz SJ
- Smoker WRK See Remyak K
- Smoker WRK; Biller J; Moore SA; et al: intradural spinal teratoma: case report and review of the literature. *AJNR* 1986; 7: 905
- Smoker WRK; Corbett JJ; Gentry LR; et al: high-resolution computed tomography of the basilar artery: 2. vertebral basilar dolichoectasia: clinical-pathologic correlation and review. *AJNR* 1986; 7: 61
- Smoker WRK; Dolan KD: "fat" C2: sign of fracture. *AJNR* 1987; 8: 33
- Smoker WRK; Gentry LR: computed tomography of the nasopharynx and related spaces. *Semin US CT MR* 1986; 7: 107
- Smoker WRK; Godersky JC; Knutson RK; et al: role of MR imaging in evaluating metastatic spinal disease. *AJNR* 1987; 8: 901
- Smoker WRK; Harnsberger R; Osborn AG: hypoglossal nerve. *Semin US CT MR* 1987; 8: 301
- Smoker WRK; Keyes WD; Dunn VD; Menezes AH: MRI versus conventional radiologic examinations in the evaluation of the craniovertebral and cervicomedullary junction. *Radiographics* 1986; 6: 953
- Smoker WRK; Lehmann TR; Hingtgen WL; et al: reduction of the gastrointestinal side effects of metrizamide myelography with oral dexamethasone. *AJNR* 1988; 9: 179
- Smoker WRK; Price MJ; Keyes WD; et al: high-resolution computed tomography of the basilar artery: 1. normal size and position. *AJNR* 1986; 7: 55
- Smolik LM See Hartman GE
- Smoot S See Erstein RA
- Smoot S See Wholey MH
- Smullens SN See Sullivan KL
- Smullens SN: surgically treatable lesions of the extracranial circulation, including the vertebral artery. *Radiol Clin North Am* 1986; 24: 453
- Snee MP; Rodger A; Kerr GR: brain metastases from carcinoma of breast: review of 90 cases. (ab). *Radiology* 1986; 158: 860
- Sneed PK; Matsumoto K; Stauffer PR; et al: interstitial microwave hyperthermia in a canine brain model. *Int J Radiat Oncol Biol Phys* 1986; 12: 1887
- Snelling JV See Hughes RC
- Sniderman KW See Kalman PG
- Sniderman KW See Langlois A
- Sniderman KW See Odurny A
- Sniderman KW: diagnostic angiography. *Radiology* 1987; 164: 844
- Sniderman KW; Morse SS; Strauss EB: comparison of intra-arterial digital subtraction angiography and conventional filming in peripheral vascular disease. *J Canad Assoc Radiol* 1986; 37: 76
- Snow B See Wu F
- Snow GB See Castellins JA
- Snow JR See Cantelmo NL
- Snow N See Horrigan TP
- Snow RB See Kelly AB
- Snow RB See Zimmerman RD
- Snowder D See Taylor KJW
- Snowder DP See Ramos IM
- Snyder HM See Rosenberg HK
- Snyder HM III See Caro PA
- Snyder HM III See Finkelstein MS
- Snyder HM III See Mandell GA
- Snyder JA See Lee WJ
- Snyder JA; Smith AD: staghorn calculi: percutaneous extraction versus anastrophic nephrolithotomy. (ab). *Radiology* 1987; 162: 291
- Snyder JR See Coody DJ
- Snyder JR See Goldstein SR
- Snyder JR; Lustig-Gillman I; Millio L; et al: antenatal ultrasound diagnosis of an intracranial neoplasm (craniohypopharyngioma). *JCU* 1986; 14: 304
- Snyder M See Raptopoulos V
- Snyder TC; Sachdev HS: MR imaging of cerebral dural sinus thrombosis. *JCAT* 1986; 10: 889
- So CB; Cooperberg FL; Gibney RG; et al: sonographic findings in pancreatic lipomatosis. *AJR* 1987; 149: 67
- So SK See Hunter DW
- Soave R See Margula SJ
- Sobel BE See Hughes B
- Sobel BE See Rosamond TL
- Sobel DF See Beyer R
- Sobel DF See Haynes R
- Sobel DF; Zyffry J; Thorne RF: diskogenic vertebral sclerosis: MR imaging. *JCAT* 1987; 11: 855
- Sobin LH See Hjermstad BM
- Sobin LH See Olmsted WW
- Sobin LH See Ros PR
- Sobin LH: bubbles in the belly. *Radiology* 1987; 164: 326
- Sobin LH: tales of the ampulla of Vater. *XII. Radiology* 1988; 166: 744
- Sobocinski KA See Haughton VM
- Sobel RE See Ryan KP
- Sobol WT; Pintar MM: NMR spectroscopy of heterogeneous solid-liquid mixtures. spin grouping and exchange analysis of proton spin relaxation in a tissue. *Magn Res Med* 1987; 4: 537
- Sobol S See Offermann W
- Socinski MA See Stomper PC
- Söderberg M See Hrafnkelsson J
- Söderberg B See Friman L
- Soderlund V; Mortenson W; Nybom T: fluid-filled structures simulating solid tumors at ultrasonography—report on five cases. *Pediatr Radiol* 1986; 16: 110
- Sodoff M See Davis ME
- Soejima T See Morita S
- Soejima T; Takeshita I; Yamamoto H; et al: computed tomography of germinomas in basal ganglia and thalamus. *Neuroradiol* 1987; 29: 366
- Soffer O; Miller LR; Lichtman JB: CT findings in complications of acquired renal cystic disease. *JCAT* 1987; 11: 905
- Soges LJ; Cacayorin ED; Petro GR; et al: migraine: evaluation by MR. *AJNR* 1988; 9: 425
- Sogn EE; Oddegard T; Haider T; et al: adverse reactions following two separate intravascular injections of contrast media in the same patient: comparison between iohexol and monomer ionic media. *Acta Radiol* 1987; 28: 93
- Soh Y See Moriyo F
- Sohay R See Vogelzang RL
- Sohn HK; Kim SY; See HS: MR imaging of a renal oncocytoma. *JCAT* 1987; 11: 1085
- Sohnen H See Manco LG
- Sobotta P See Walkey MM
- Solderer MH See Lee F
- Soila K See Ros PR
- Soila K See Toonkel LM
- Soila K; Nummi P; Ekfors T; et al: proton relaxation times in arterial wall and atherosclerotic lesions in man. *Invest Radiol* 1986; 21: 411

- Solita KP See Post MJD
- Solmakallio S See Manninen H
- Soliva M; Aro K; Familo M; et al: ultrasonography in carcinoma of the gallbladder. *Acta Radiol* 1987; 28: 711
- Soliva M; Familo M; Pääväsalo M; et al: ultrasonography in acute gallbladder perforation. *Acta Radiol* 1988; 29: 41
- Sokjer H See Fransson SG
- Sokol RJ See Zador IE
- Solberg LA See Skane P
- Solbiati L See Derchi LE
- Solbiati L See Rizzatto G
- Solbiati L; Montali G; Croce F; et al: fine-needle aspiration biopsy of bowel lesions under ultrasound guidance: indications and results. *Gastrointest Radiol* 1986; 11: 172
- Solbiati L; Volterrani L; Rizzatto G; Bazzocchi M; Busilacchi P; Candiani F; Ferrari F; Giuseppe G; Maresca G; Mirik P; Rubaltelli L; Zappasodi F: thyroid gland with low uptake lesions: evaluation by ultrasound: reply. *Radiology* 1986; 158: 277
- Soldano I See Warkhauer D
- Solè J See Baeza MR
- Solen G See Edgren MR
- Soler R See Perez-Fontan FJ
- Solez K See Sanders RC
- Solfanelli S; Fazzi P; Ghilardi PL; et al: gallium-67 imaging of undifferentiated nasopharyngeal carcinoma. *Clin Nucl Med* 1987; 12: 829
- Sollman M See Bundy AL
- Solin LJ; Chu JCH; Larsen R; et al: determination of depth for electron breast boosters. *Int J Radiat Oncol Biol Phys* 1987; 13: 1915
- Solin LJ; Fowble B; Martz KL; et al: definitive irradiation for early stage breast cancer: the University of Pennsylvania experience. *Int J Radiat Oncol Biol Phys* 1988; 14: 235
- Solin LJ; Fowble B; Martz K; et al: results of re-excisional biopsy of the primary tumor in preparation for definitive irradiation of patients with early stage breast cancer. *Int J Radiat Oncol Biol Phys* 1986; 12: 721
- Solin LJ; Fowble B; Miller-Wilson P; et al: practical method of delivering the posterior axillary boost for the treatment of patients with breast cancer. *Int J Radiat Oncol Biol Phys* 1986; 12: 2041
- Sollinger AM; Hess EV: acquired immune deficiency syndrome—overview. *Semin Roentgenol* 1987; 22: 9
- Soll RF See Gittlin JD
- Sollenberger LC See Levine MS
- Sollinger HW See Bennett LN
- Sollitto R See de Geer G
- Sollitto RA See Sickles EA
- Solodnik F See Hyman AD
- Solodnik F See Lanzieri CF
- Solodnik P; Som PM; Shugar JMA; et al: intracranial petrous apex neura: CT findings. *JCAT* 1986; 10: 1027
- Soloman MA See Smith AS
- Solomon A See Avraham E
- Solomon A See Golomb J
- Solomon A See Hertzana Y
- Solomon A See Reider-Growasser I
- Solomon A; Bar-Ziv J; Stern D; et al: computed tomographic demonstration of intramural colonic air (pneumatosis coli) as a feature of severe ulcerative colitis. *Gastrointest Radiol* 1987; 12: 169
- Solomon A; Bar-Ziv J; Stern D: staging cecal and ascending colon carcinoma with computed tomography. *Gastrointest Radiol* 1988; 13: 152
- Solomon A; Michowitz M; Papo J; et al: computed tomographic air enema technique to demonstrate colonic neoplasms. *Gastrointest Radiol* 1986; 11: 194
- Solomon A; Papo J; Pikielny S; et al: computed tomographic investigation of serosal and intramural gastrointestinal pathology. *Gastrointest Radiol* 1987; 12: 13
- Solomon B See Mallikarjuniah GS
- Solomon DA See Alberts WM
- Solomon DJ See Cremin BJ
- Solomon H See Berginer VM
- Solomon H See Sommer FG
- Solomon I See Schnitzler CM
- Solomon MA See Pussey E
- Solomon MA See Stimac GK
- Solomon MA; Gilula LA; Oloff LM; et al: CT scanning of the foot and ankle: 1. normal anatomy. *AJR* 1986; 146: 1192
- Solomon MA; Gilula LA; Oloff LM; et al: CT scanning of the foot and ankle: 2. clinical applications and review of the literature. *AJR* 1986; 146: 1204
- Solomon MH See Lee F
- Solomon MH See Lee F Jr
- Solomon MH See Lee SB
- Solomon N See Rao S
- Solomon N; Samkin J: right adrenal gland hemorrhage as a complication of liver transplantation: CT appearance. *JCAT* 1988; 12: 95
- Solomon RA; Strin BM: management of arteriovenous malformations of the brain stem. (ab). *Radiology* 1987; 163: 295
- Solomon SL See MacMahon H
- Solonick DM See Sullivan WT
- Solorzano C See Huber DJ
- Solti-Bohman LG See Lo WWM
- Som P See Konowitz PM
- Som P See Yamamoto K
- Som P; Oster ZH; Zamora PO; et al: radioimmunoinjection of experimental thrombi in dogs using technetium-99m-labeled monoclonal antibody fragments reactive with human platelets. *J Nucl Med* 1986; 27: 1315
- Som PM See Holliday RA
- Som PM See Lanzieri CF
- Som PM See Norton KI
- Som PM See Sacher M
- Som PM See Solomon A
- Som PM See Solodnik P
- Som PM: lymph nodes of the neck. *Radiology* 1987; 165: 593
- Som PM: ultrasonography in evaluation of lymph nodes of the neck: reply. *Radiology* 1988; 167: 877
- Som PM; Braun IF; Shapiro MD; Reede DL; Curtin HD; Zimmerman RA: tumors of the parapharyngeal space and upper neck: MR imaging characteristics. *Radiology* 1987; 164: 823
- Som PM; Curtin HD; Hanafee WN: head and neck radiology. RSNA '87 meeting notes. *Radiology* 1988; 166: 604
- Som PM; Dorfman GS; Reede DL; et al: bull's-eye sign of extracranial cervical aneurysms. *CT* 1988; 12: 81
- Som PM; Hermann G; Sacher M; et al: Paget disease of the calvaria and facial bones with an osteosarcoma of the maxilla: CT and MR findings. *JCAT* 1987; 11: 887
- Som PM; Lawson W; Biller HF; Lanzieri CF: ethmoid sinus disease: CT evaluation in 400 cases. part I. nonsurgical patients. *Radiology* 1986; 159: 591
- Som PM; Lawson W; Biller HF; Lanzieri CF: ethmoid sinus disease: CT evaluation in 400 cases. part II. postoperative findings. *Radiology* 1986; 159: 599
- Som PM; Lawson W; Biller HF; Lanzieri CF; Sachdev VP; Rigamonti D: ethmoid sinus disease: CT evaluation in 400 cases. part III. craniofacial resection. *Radiology* 1986; 159: 605
- Som PM; Norton KI; Shugar JMA; et al: metastatic hypernephroma to the head and neck. *AJNR* 1987; 8: 1103
- Som PM; Sacher M; Lawson W; et al: CT appearance distinguishing benign nasal polyps from malignancies. *JCAT* 1987; 11: 125
- Som PM; Sacher M; Stollman AL; Biller HF; Lawson W: common tumors of the parapharyngeal space: refined imaging diagnosis. *Radiology* 1988; 169: 81
- Som PM; Sacher M; Strenger SW; et al: "benign" metastasizing meningiomas. *AJNR* 1987; 8: 127
- Som PM; Scherl MP; Rao VM; et al: rare presentations of ordinary lipomas of the head and neck: review. *AJNR* 1986; 7: 657
- Som PM; Shapiro MD; Biller HF; Sasaki C; Lawson W: sinonasal tumors and inflammatory tissues: differentiation with MR imaging. *Radiology* 1988; 167: 803
- Som PM; Shugar JMA; Sacher M; et al: benign and malignant parotid pleomorphic adenomas: CT and MR studies. *JCAT* 1988; 12: 65
- Som PM; Shugar JMA; Troy KM; et al: use of magnetic resonance and computed tomography in the management of a patient with intranasal hemorrhage. (ab). *Radiology* 1988; 169: 590
- Somers G; Vanden Houde K; Segers O; et al: iodine-123 MIBG imaging in a generalized pancreatic polypeptide-gastrin-serotonin secreting tumor. *Clin Nucl Med* 1988; 13: 352
- Somers S See Dobranski J
- Somers S See Pathria M
- Somers S See Richards DG
- Somers S See Stevenson GW
- Somers S; Stevenson GW; Thompson G: comparison of endoscopy and barium swallow with marshmallow in dysphagia. *J Canad Assoc Radiol* 1986; 37: 73
- Somes GW See Magill HL
- Sommer FG See Carroll CL
- Sommer FG See Smathers RL
- Sommer FG: some applications for a personal computer data-base system in radiology. *AJR* 1986; 147: 1075
- Sommer FG; McNeal JE; Carroll CL: MR depiction of zonal anatomy of the prostate at 1.5 T. *JCAT* 1986; 10: 983
- Sommer FG; Solomon H; Carroll B: removal of air from liver specimens via vacuum. *JCU* 1986; 14: 277
- Sommer G See Mostbeck G
- Sommer G See Vergeslich KA
- Sommer G; Brunsen T; Cao Q; Nishimura D; Macovski A; McNeal J: noise-reduced prosthetic MR imaging: work in progress. *Radiology* 1988; 169: 347
- Sommer G; Koppa H; Zagornik J; et al: Breast calcifications in renal hyperparathyroidism. *AJR* 1987; 148: 855
- Sommer G; Stern R; Chen H-S: cirrhosis: US images with narrow band filtering. *Radiology* 1987; 165: 425
- Sommerhoff BA See Sechtem U
- Sommerhoff CP See Kersting-Sommerhoff BA
- Sommerkamp H See Wenz W
- Sommerkamp H; Rupperecht M; Wannenmacher M: seed loss in interstitial radiotherapy of prostatic carcinoma with I-125. *Int J Radiat Oncol Biol Phys* 1988; 14: 389
- Sommerlatte T See Heldwein W
- Son Y See Papac RJ
- Son Y-O See Tong ECK
- Sonda LP See Lingeman JE
- Sondheimer SJ See Simpson EL
- Sone S See Ikezoe J
- Sone S See Kiyono K
- Sone S See Sakai F
- Sone S; Gamsu G; Ikezoe J; et al: mediastinal distortions from focal masses: a CT and radiographic study. *J Thorac Imag* 1987; 2: 67
- Sone T See Aoki J
- Sone T See Otsuka N
- Song CW; Rhee JG; Lee CKK; et al: capacitive heating of phantom and human tumors with an 8 MHz radiofrequency applicator (thermoston RF-8"). *Int J Radiat Oncol Biol Phys* 1986; 12: 365
- Song KS See Im J-G
- Song MY See Paeck JL
- Songphorabodi S See Hughes KS
- Sonley MJ See Chan HSL
- Sonnabend DH See Faithfull GR
- Sonnenblick EB; Buchness MR; Austin JHM: CT demonstration of steatocystoma multiplex. *JCAT* 1986; 10: 357
- Sonnenfeld M See Robbins AH
- Sonnenfeld MR See Meyer JE
- Sonnenfeld MR See Stomper PC
- Sonninen P See Rainikko R
- Sonstabo R See Friberg J
- Soo K-C See Carter RL
- Sood S See Firnau G
- Sony CD See Marcusen DC
- Sony CD See Olsen WL
- Soper KA See Carson JL
- Soper NJ; Rikkers LF; Miller FJ: gastrointestinal hemorrhage associated with chronic mesenteric venous occlusion. (ab). *Radiology* 1986; 158: 858
- Soper RT See Sato Y
- Soppitt D; Rich AJ; Robson RA: digital vascular imaging of neck veins for the insertion of chronic venous access catheters. *Clin Radiol* 1986; 37: 147
- Sorby WA See Davies RP
- Sorce DJ See Keller AM
- Soreide O See Adam A
- Sorensen HR; Lund C; Alstrup P: survival in small cell lung carcinoma after surgery. (ab). *Radiology* 1987; 162: 587
- Sørensen P; Lundorf E: giant aneurysm of the vertebral artery simulating intracranial tumour at the foramen magnum. *Neuroradiol* 1988; 30: 359
- Sørensen R See Berger T
- Sørensen R See Fobbe F
- Sørensen R See Hamm B
- Sørensen R See Kaufmann K
- Sørensen R; Moltz L; Schwartz U: technical difficulties of selective venous blood sampling in the differential diagnosis of female hyperandrogenism. *Cardiovasc Intervent Radiol* 1986; 9: 75
- Sorenson JA: perception of radiation hazards. *Semin Nucl Med* 1986; 16: 158
- Sorenson JA; Mitchell CR: evaluation of optical unsharp masking and contrast enhancement of low-scatter chest radiographs. *AJR* 1987; 149: 275
- Sorenson JA; Mitchell CR; Armstrong JD II; et al: effects of improved contrast on lung-nodule detection: a clinical ROC study. *Invest Radiol* 1987; 22: 772
- Sorenson PB See Groth S
- Sorenson SG See Gould KL
- Soo TA See Davis SD
- Soo TA See Jagannath AS
- Soo TA See Rosenblit G
- Soo TA See Tegtmeyer CJ
- Soo TA See Waltman AC
- Sostman D See Pope CF
- Sostman D; Rockwell S; Smith GJW; et al: magnetic resonance, pathology and physiology of the BA1112 rhabdomyosarcoma in vivo. *Invest Radiol* 1988; 23: 277
- Sostman HD See Blair DN
- Sostman HD See Gore JC

Sostman

- Sostman HD See Pope CF
 Sostman HD See Rapoport S
 Sostman HD See Strauss EB
 Sostman HD See Taylor CR
 Sostman HD; Pope CF; Smith GJW; et al: proton relaxation in experimental clots varies with method of preparation. *Invest Radiol* 1987; 22: 509
 Sostman HD; Rapoport S; Gottschalk A; et al: imaging of pulmonary embolism. *Invest Radiol* 1986; 21: 443
 Sostman HD; Zoghbi SS; Carbo P; et al: coumadin and ¹¹¹In-labeled platelet uptake on experimental thrombi in dogs: preliminary observations. *Invest Radiol* 1987; 22: 216
 Sostman HD; Zoghbi SS; Gore J: temporal fluctuations in proton relaxation times. *Magn Res Imag* 1986; 4: 479
 Sostre S; Medina L; de Arellano GR: various scintigraphic patterns of Warthin's tumor. *Clin Nucl Med* 1987; 12: 620
 Sostre S; Silva de Roldan F; Zaidi MK: liver scintigraphy in chronic hepatic schistosomiasis: a predictor of disease severity. *Clin Nucl Med* 1987; 12: 277
 Sosulski R See Heneghan MA
 Sotak CH: volume-localized, two-dimensional NMR method for the determination of lactate using zero-quantum coherence created in a stimulated echo pulse sequence. *Magn Res Med* 1988; 7: 364
 Sotelo D See Greenspan A
 Sotelo T See Pulpeiro JR
 Sotelo-Avila C See Luisiri A
 Sotelo-Avila C; Sundaram M; Kyriakos M; et al: case report 373. *Skeletal Radiol* 1986; 15: 387
 Sotgiu A; Gualtieri G; Passariello R: highly homogeneous circularly polarized RF field for whole body NMR imaging. *Magn Res Imag* 1988; 6: 249
 Sotgiu A; Hyde JS: high-order coils as transmitters for NMR imaging. *Magn Res Med* 1986; 3: 55
 Sotile SC; Brady MB; Brogdon BG: accessory cardiac bronchus: demonstration by computed tomography. *CT* 1988; 12: 144
 Soto B See Adey CK
 Soto B See Chakraborty DP
 Soto B See Cousin AJ
 Soto B See Nath PH
 Soto B See Vaid Y
 Soto BS See Sanders C
 Soto G See Cohen EK
 Sotrel A See Teale RL
 Souba WW; McKenna RJ Jr; Meis J; et al: radiation-induced sarcoma of the chest wall. (ab). *Radiology* 1986; 160: 857
 Sougawa M; Akagi K; Murata T; et al: enhancement of radiation effects by acyclovir. *Int J Radiat Oncol Biol Phys* 1986; 12: 1537
 Soulen MC; Fishman EK; Scharfman JC; Hutchins D; Zerhouni EA: cryptosporidiosis of the gastric antrum: detection using CT. *Radiology* 1986; 159: 705
 Soulen RL See McNamara MT
 Soulen RL See Pessar ML
 Soulen RL See Reed JD Jr
 Soulen RL: magnetic resonance imaging of prosthetic heart valves. *Radiology* 1986; 158: 279
 Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE: cardiac radiology. RSNA '87 meeting notes. *Radiology* 1988; 166: 920
 Soulen RL; Donner RM; Capitano M: postoperative evaluation of complex congenital heart disease by magnetic resonance imaging. *Radiographics* 1987; 7: 975
 Soulen RL; Fishman EK; Peyerle RE; Zerhouni EA; Pessar ML: Marfan syndrome: evaluation with MR imaging versus CT. *Radiology* 1987; 165: 697
 Soules MR See Haynor DR
 Souliere CR Jr; Kirchner JA: laryngeal perichondritis and abscess. (ab). *Radiology* 1986; 159: 574
 Sourkes AM See Huda W
 Sournac M See Maublant JC
 Soussaline F See Bendriem B
 Soutar DS See Robertson AG
 Southcott B See Rustin GJS
 Southree AE See Lee KJ
 Southree AE; Lee KJ; Rossleigh MA; et al: extensive pelvic infarction diagnosed by radionuclide skeletal and bone marrow imaging. *Clin Nucl Med* 1988; 13: 613
 Southwick FS; Richardson EF Jr; Swartz MN: septic thrombosis of the dural venous sinuses. (ab). *Radiology* 1987; 162: 591
 Southwick WO See Ogden JA
 Souza SP See Dumoulin CL
 Souza SP See Walker MF
 Sovak M See Rösch J
 Sovak M; Robertson HJF: osmolality and ionicity: confusion in terminology applied to contrast media: reply. *Radiology* 1986; 168: 281
 Sowerby MRR See Hindman BW
 Sowers S See Nelson LH
 Soyer A See Swartz JD
 Space TC; Louis DS; Francis L; et al: CT findings in distal radioulnar dislocation. *JCAT* 1986; 10: 689
 Spackman TJ; Bensman KW: development of a useful picture archiving and communications system. *AJR* 1987; 148: 1025
 Spagnoli MV; Goldberg HI; Grossman RI; Bilaniuk LT; Gomori JM; Hackney DB; Zimmerman RA: intracranial meningiomas: high-field MR imaging. *Radiology* 1986; 161: 369
 Spagnoli MV; Grossman RI; Packer RJ; et al: magnetic resonance imaging determination of gliomatosis cerebri. *Neuroradiol* 1987; 29: 15
 Spamer C; Brambs H-J; Koch HK; et al: benign circumscribed lesions of the liver diagnosed by ultrasonically guided fine-needle biopsy. *JCU* 1986; 14: 83
 Spanier S See Pettersson H
 Spanier SS See Gillespy T III
 Spanos WJ Jr; Thompson J: effect of field shaping on thermal pattern produced by external microwave. *Int J Radiat Oncol Biol Phys* 1988; 15: 421
 Spanos WJ Jr; Wasserman T; Meoz R; et al: palliation of advanced pelvic malignant disease with large fraction pelvic radiation and misonidazole: final report of RTOG phase I/II study. *Int J Radiat Oncol Biol Phys* 1987; 13: 1479
 Sparagna M; Ackerman L: positive iodine-131 6 β -iodomethyl-19-norcholesterol (NP-59) adrenal images can precede return of adrenocortical function after O,P DDD treatment. *Clin Nucl Med* 1988; 13: 348
 Spark RP See Bruwer A
 Sparling JR See Road JD
 Spataro RF See Fischer HW
 Spataro RF See Wolf DM
 Spataro RF: endourology. *Radiology* 1987; 162: 746
 Spataro RF: genitourinary ultrasound. *Radiology* 1987; 162: 678
 Spataro RF: new and old contrast agents: pharmacology, tissue opacification, and excretory urography. *Urol Radiol* 1988; 10: 2
 Spataro RF; Katzberg RW; Fischer HW; McMannis MJ: high-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent. *Radiology* 1987; 162: 9
 Spaulding CA See Hahn SS
 Spaulding CA; Hahn SS; Constable WC: effectiveness of treatment of lymph nodes in cancers of the pyriform sinus and supraglottis. *Int J Radiat Oncol Biol Phys* 1987; 13: 963
 Spaulding CA; Kranyak MS; Constable WC; et al: esthesioneuroblastoma: a comparison of two treatment regimens. *Int J Radiat Oncol Biol Phys* 1988; 15: 581
 Spaulding SA See Arnstein NB
 Spears JR: percutaneous laser treatment of atherosclerosis: overview of emerging techniques. *Cardiovasc Intervent Radiol* 1986; 9: 303
 Specht HD; Belsey R; Hanada J: aluminemetic disturbance of technetium-99m DTPA renal function measurement. *J Nucl Med* 1987; 28: 383
 Specht HD; Brown PH; Haines JE; et al: gallium-67 lung index computerization in interstitial pneumonitis. *J Nucl Med* 1987; 28: 1826
 Specker BL; Branzel W; Tsang RC; et al: bone mineral content in children 1 to 6 years of age: detectable sex differences after 4 years of age. (ab). *Radiology* 1988; 166: 912
 Specker BL; Saenger EL; Buncher CR; et al: pulmonary embolism and lung scanning: cost-effectiveness and benefit/risk. *J Nucl Med* 1987; 28: 1521
 Spector JG See Byrne MN
 Spector JG See Lesser RW
 Spector RH See Barrow DL
 Spector RH; Flanck MS: "sinister" Tolosa-Hunt syndrome. (ab). *Radiology* 1987; 162: 591
 Spellman JP See Livni E
 Spence AM See Lewellen TK
 Spence AM See Rasey JS
 Spence AM; Edmondson SW; Krohn KA; et al: toxicity and biodistribution of the radioprotectors, WR2721, WR77913, and WR3689, in the CNS following intraventricular or intracisternal administration. *Int J Radiat Oncol Biol Phys* 1986; 12: 1653
 Spence AM; Krohn KA; Edmondson SW; et al: radioprotection in rat spinal cord with WR-2721 following cerebral lateral intraventricular injection. *Int J Radiat Oncol Biol Phys* 1986; 12: 1479
 Spence JD See Lamki L
 Spence RAJ See Anderson JR
 Spence RAJ; Terblanche J: venous anatomy of the lower oesophagus: a new perspective on varices. (ab). *Radiology* 1988; 166: 908
 Spencer NJB; Richards DG; Bartlett P; et al: colorectal polyps: a correlation of radiological and pathological findings. *Clin Radiol* 1988; 39: 407
 Spencer P; Spencer RC: ultrasound scanning of post-operative wounds—the risks of cross-infection. *Clin Radiol* 1988; 39: 245
 Spencer R See Spencer P
 Spencer RF: effect of head injury on fracture healing: a quantitative analysis. (ab). *Radiology* 1988; 166: 590
 Spencer RF See Dey HM
 Spencer RF See Ginsberg F
 Spencer RF See Grimmond AP
 Spencer RF See Karimeddini MK
 Spencer RF See Kassamali H
 Spencer RF See Mack JM
 Spencer RF See Mathews J
 Spencer RF See Peracha HU
 Spencer RF See Skarzynski JJ
 Spencer RF See Slavin JD Jr
 Spencer RF See Surh Y
 Spencer RF See Yousufi Z
 Spencer RF See Ziewacz JT
 Spencer RF: hepatic hypertrophic osteodystrophy detected on bone imaging. *Clin Nucl Med* 1988; 13: 611
 Spencer RP: slow entry of radiogallium into restricted fluid compartments. *Clin Nucl Med* 1988; 13: 379
 Spencer RP; Arnow JR; Kayani N; et al: vertebral "void" on radiogallium imaging after radiation therapy. *Clin Nucl Med* 1988; 13: 303
 Spencer RP; Grimmond AP; Trechuk-Bahn J: abdominal trauma with leukocytosis and Howell-Jolly bodies: idiopathic functional asplenia. *Clin Nucl Med* 1988; 13: 544
 Spencer RP; Karimeddini MK: introduction of bone imaging agent into the pleural space. *Clin Nucl Med* 1986; 11: 290
 Spencer RP; Karimeddini MK: photon scatter from asymmetric bladder activity. *Clin Nucl Med* 1986; 11: 222
 Spencer RP; Kayani N; Karimeddini MK: gastric dilatation observed on radionuclide studies: sphenical approximation and effective wall thickness. *Clin Nucl Med* 1986; 11: 704
 Spencer T See Davis PC
 Spenser J See Isaacson PG
 Sperra T See Steffey DJ
 Sperber GO; Ericsson A; Hemmingson A; et al: improved formulae for signal amplitudes in repeated NMR sequences: applications in NMR imaging. *Magn Res Med* 1986; 3: 685
 Spetzler RF See Rojanowski WM
 Spicer LD See Silverman FM
 Spicer MJ See Moreno AJ
 Spickler E; McKenna KM; Lufkin RB: approaches to MR angiography. *Comput Med Imag Graph* 1988; 12: 211
 Spiegel AM See Miller DL
 Spiegel RJ; Fatmi MBE: three-dimensional finite-difference thermoregulatory model of a squirrel monkey. *Int J Radiat Oncol Biol Phys* 1986; 12: 983
 Spiegel SM; Fox AJ; Vinuela FV; et al: increased density of tentorium and falx: false positive CT sign of subarachnoid hemorrhage. *J Canad Assoc Radiol* 1986; 37: 243
 Spiegel SM; Nixon B; Terbrugge K; et al: arachnoid cyst of the velum interpositum. *AJNR* 1988; 9: 981
 Spiegel SM; Vinuela FV; Goldwasser JM; et al: adjusting the polymerization time of isobutyl-2 cyanoacrylate. *AJNR* 1986; 7: 109
 Spielman D See Macovski A
 Spielmann M See Vanel D
 Spielmann RP See Crone-Munzbrock W
 Spielmann RP; Nienaber CA; Hausdorf G; et al: tomographic myocardial perfusion scintigraphy in children with Kawasaki disease. *J Nucl Med* 1987; 28: 1839
 Spies JB See Arbona JL
 Spies JB See Brantley SD
 Spies JB; LeQuire MH; Robison JG; et al: renovascular hypertension caused by compression of the renal artery by the diaphragmatic crus. *AJR* 1987; 149: 1195
 Spies JB; Rosen RJ; Lebowitz AS: antibiotic prophylaxis in vascular and interventional radiology: a rational approach. *Radiology* 1988; 166: 381
 Spies SM See Spies WG
 Spies SM See Zimmer AM
 Spies SM; Zimmer AM; Spies WG; et al: considerations for tomographic imaging of monoclonal antibodies. *Semin Nucl Med* 1987; 17: 267
 Spies WG See Mittal BB
 Spies WG See Spies SM
 Spies WG; Burstein SP; Dillehay GL; Vogelzang RL; Spies SM: ventilation-perfusion scintigraphy in suspected pulmonary embolism: correlation with pulmonary angiography and refinement of criteria for interpretation. *Radiology* 1986; 159: 383

- Spiehoff A See Trott K-R
 Spigos DG See Bärny M
 Spigos DG See Mafee MF
 Spigos DG See Otto R
 Spigos DG See Petty W
 Spigos DG See Tan WS
 Spigos DG See Wilbur AC
 Spilker JA See Brott TG
 Spiller M See Koenig SH
 Spina V See Torricelli P
 Spinelli JS; Morrish RH: pain and discomfort: how to recognize and manage pain associated with animal research, *Invest Radiol* 1987; 22: 348
 Spinks TJ; Araujo LJ; Camici P: regional myocardial glucose metabolism in angina pectoris obtained from positron emission tomography, *J Thorac Imag* 1988; 3-2: 56
 Spires JR; Smith RJH: bacterial infections of the orbital and periorbital soft-tissues in children, (ab), *Radiology* 1987; 163: 591
 Spitz PW; Gross GW; Wechsler RJ; et al: radiology of the chest after thoracic surgery, *Semin Roentgenol* 1988; 23: 9
 Spitzak JP; Resnick ML: stone formation as a complication of indwelling ureteral stents: report of 5 cases, (ab), *Radiology* 1986; 158: 859
 Spitznagel J-M See Kurtz JM
 Spitzler LE See Engelstad BL
 Spittle MF See Yeoh EK
 Spitz L See Malone M
 Spitzer KW; Bridge JHB; Barry WH: action potential generation in heart cells, *Invest Radiol* 1986; 21: 819
 Spitzer RM See Monajati A
 Spitzer RM See Stephenson TF
 Spitzer VM See Rackow FL
 Spitznagel EL See Gohagan JK
 Spitznagel LA See Surh Y
 Spivak WB See Ascher SA
 Spizarny DL See Boorstein JM
 Spizarny DL See Bourgoin FM
 Spizarny DL See Gross BH
 Spizarny DL See Gyves-Ray KM
 Spizarny DL See Shepard JO
 Spizarny DL; Goodman LR: air in the minor fissure: sign of right-sided pneumothorax, *Radiology* 1986; 160: 329
 Spizarny DL; Gross BH; Shepard JO: CT findings in localized fibrous mesothelioma of the pleural fissure, *JCAT* 1986; 10: 942
 Spizarny DL; McLoud TC; Dedrick CG; et al: pseudometastases secondary to film static artifact, *Comput Radiol* 1986; 4: 207
 Spizarny DL; Rebner M; Gross BH: CT evaluation of enhancing mediastinal masses, *JCAT* 1987; 11: 990
 Spizarny DL; Renzi P: metallic mercury pulmonary emboli, *J Canad Assoc Radiol* 1987; 38: 60
 Spizarny DL; Shepard JO; McLoud TC; et al: CT of adenoid cystic carcinoma of the trachea, *AJR* 1986; 146: 1129
 Spohn BE See Swobodnik WL
 Spohn G See Hock A
 Spona T See Rubaltelli L
 Sponseller PD See Magid D
 Sporn V See Holman BL
 Sporn V; Balino NP; Holman BL; et al: simultaneous measurement of ventricular function and myocardial perfusion using the technetium-99m isonitrites, *Clin Nucl Med* 1988; 13: 77
 Spoto RM See Packer RJ
 Spotnitz WD; Oliner JD; Gascho JA; et al: new technique for myocardial contrast echocardiography in the experimental canine model using a special cannula for selective left main coronary artery cannulation, *JCU* 1986; 14: 742
 Spraggins TA See Gohagan JK
 Spraggins TA See Levin DN
 Sprague P See Colavita N
 Spranger J See Lachman RS
 Sprells P See Gaylord GM
 Spreafico G; Cammelli F; Gadola G; et al: luxury perfusion syndrome in cerebral vascular disease evaluated with technetium-99m HM-PAO, *Clin Nucl Med* 1987; 12: 217
 Sprenger M See Castellini JA
 Sprigg A See Stringer DA
 Sprigg A; Gough LM; Stringer DA; et al: compensation filtration in paediatric double contrast barium enema examinations, *Clin Radiol* 1986; 37: 599
 Spring DB; Kimbrell-Wilmet K: evaluating the success of mammography at the local level: how to conduct an audit of your practice, *Radiol Clin North Am* 1987; 25: 983
 Spring DB; Tennessen DJ: radiology malpractice lawsuits: California jury verdicts, *Radiology* 1986; 159: 811
 Spring E See Kaukialinen M
 Springer C See Le RGL
 Springer R See Tegtmeyer CJ
 Springer RM See Lang EK
 Springfield DS See Gillespy T III
 Springfield DS See Marcus RB Jr
 Springfield DS See Petterson H
 Springfield DS; Enneking WF; Roe LR: radiologic management of musculoskeletal tumors, *Radiology* 1987; 165: 742
 Springolo E See Savitch I
 Spritzer C See de Roos A
 Spritzer CE See Baker ME
 Spritzer CE See Gefter WB
 Spritzer CE See Mitchell DG
 Spritzer CE See Phillips ME
 Spritzer CE See Rao VM
 Spritzer CE: high-resolution MR imaging of abnormal parathyroid glands: reply, *Radiology* 1988; 166: 582
 Spritzer CE; Dalinka MK; Kressel HY: magnetic resonance imaging of pigmented villonodular synovitis: report of two cases, *Skeletal Radiol* 1987; 16: 316
 Spritzer CE; Gefter WB; Hamilton R; Greenberg BM; Axel L; Kressel HY: abnormal parathyroid glands: high-resolution MR imaging, *Radiology* 1987; 162: 487
 Spritzer CE; Kressel HY; Mitchell D; et al: MR imaging of normal extrahepatic bile ducts, *JCAT* 1987; 11: 248
 Spritzer CE; Sussman SK; Blinder RA; Saeed M; Herfkens RJ: deep venous thrombosis evaluation with limited-flip-angle, gradient-refocused MR imaging: preliminary experience, *Radiology* 1988; 166: 371
 Spritzer CE; Vogler JB; Martinez S; et al: MR imaging of the knee: preliminary results with a 3DFT GRASS pulse sequence, *AJR* 1988; 150: 597
 Spruyt O See Fataar S
 Squillaci E; Salzano MC; Grandinetti ML; Auffermann W; Marsella A; Maresca G; Colagrande C: recurrence of ovarian and uterine neoplasms: diagnosis with transectal US, *Radiology* 1988; 169: 355
 Strickland BA See Millar AB
 Stridhar KS; Rao RK; Kunhardt B: skeletal muscle metastases from lung cancer, (ab), *Radiology* 1987; 165: 589
 Strigley J See Corkill M
 Strigley J See Graham RT
 Srinivasan I See Tia S
 Srinivasan MK See Robbins AH
 Srur MF See Rozenblit G
 Stab EV See Yankaskas BC
 Stabile BE See Sedwitz MM
 Stabile DM See Thomas PRM
 Stabrun AE; Lorheim TA; Höyeraal HM; et al: reduced mandibular dimensions and asymmetry in juvenile rheumatoid arthritis: pathogenetic factors, (ab), *Radiology* 1988; 169: 888
 Stacey P See Ghosein NA
 Stack CM See Mukai JK
 Stack CM See Patel SK
 Stack JP See Gholkar A
 Stack JP See Williams CT
 Stack JP; Anton NM; Jenkins JFR; et al: gadolinium-DTPA as a contrast agent in magnetic resonance imaging of the brain, *Neuroradiol* 1988; 30: 145
 Stack JP; Ramsden RT; Anton NM; et al: magnetic resonance imaging of acoustic neuromas: the role of gadolinium-DTPA, *Br J Radiol* 1988; 61: 800
 Stacul F See Dalla-Palma L
 Stacul F; Carraro M; Magnaldi S; et al: contrast agent nephrotoxicity: comparison of ionic and nonionic contrast agents, *AJR* 1987; 149: 1287
 Stacy TM See Mitchell DS
 Stadelnik RC See Ford KB
 Stadnik TW; Van Tussenbroek FM; Osteaux MJ: diagnosis of herniated nucleus pulposus by digital spinal phlebography with false negative CT and/or radiculoscography, *Eur J Radiol* 1987; 7: 209
 Städt D See Kappos L
 Staemmler M; Gensonde K: echo shape analysis and image size adjustment on the level of echoes: improvement of parameter-selective proton images, *Magn Res Med* 1986; 3: 418
 Staessen JA See Wilms GE
 Stafford AJ See Richards DG
 Stafford JL See LeMay M
 Stafford SA See Papanicolaou N
 Stafford SA; Rosenthal DI; Gebhardt MC; et al: MRI in stress fracture, *AJR* 1986; 147: 553
 Stagaard M See Knudsen LL
 Stahel LT See Vanderwilde R
 Stahl TJ; Allen MO; Ansel HJ; et al: partial biliary obstruction caused by chronic pancreatitis: an appraisal of indications for surgical biliary drainage, (ab), *Radiology* 1988; 168: 883
 Ståhlberg F; Henriksson O; Thomsen C; et al: determination of flow velocities from magnetic resonance multiple spin-echo images: a phantom study, *Acta Radiol* 1987; 28: 643
 Ståhlberg F; Nordell B; Ericsson A; et al: quantitative study of flow dependence in NMR images at low flow velocities, *JCAT* 1986; 10: 1006
 Stahl-Kent V See Graif M
 Stalker HP See Kaufman RA
 Stalker HP; Kaufman RA; Towbin RB: patterns of liver injury in childhood: CT analysis, *AJR* 1986; 147: 1199
 Stallings RG See Frierson HF Jr
 Stamey TA See Carrol CL
 Stamm ER; Pretorius DH; Rumack CM; et al: Kleeblattschadel anomaly: in utero sonographic appearance, *J Ultrasound Med* 1987; 6: 319
 Stammenberger H See Kopp W
 Stammenberger H See Zinreich SJ
 Stampfer R See Mailloux G
 Standen JR See Fajardo LL
 Standertskjöld-Nordenstam C-G See Salonen O
 Standing HK See Baines CJ
 Stanford RW See Holt JAG
 Stanford W See Frey EE
 Stanford W; Abu-Yousef M; Smith W: intracardiac tumor (rhabdomyoma) diagnosed by in utero ultrasound: case report, *JCU* 1987; 15: 337
 Stanford W; Doty DB: role of venography and surgery in the management of patients with superior vena cava obstruction, (ab), *Radiology* 1986; 160: 574
 Stanford W; Jolles H; Ell S; et al: superior vena cava obstruction: venographic classification, *AJR* 1987; 148: 259
 Stanford W; Rosholamini M; Rumberger J; et al: evaluation of coronary bypass graft patency by ultrasound tomography, *J Thorac Imag* 1988; 3-2: 52
 Staniloff HM; Forrester JS; Berman DS; et al: prediction of death, myocardial infarction, and worsening chest pain using thallium scintigraphy and exercise electrocardiography, *J Nucl Med* 1986; 27: 1842
 Stanisic TH; Brewer ML; Graham AR: intravesical bacillus Calmette-Guérin therapy and associated granulomatous renal masses, (ab), *Radiology* 1986; 160: 285
 Stankiewicz PJ See Metz KR
 Stanley C See Graziani JJ
 Stanley JH See Bronner MH
 Stanley JH See Curry NS
 Stanley JH See Fish GD
 Stanley JH See Vujic I
 Stanley JH; Fish GD; Andriole JG; Gobien RP; Betsill WL; Laden SA; Schabel SI: lung lesions: cytologic diagnosis by fine-needle biopsy, *Radiology* 1987; 162: 389
 Stanley JH; Gobien RP; Schabel SI; et al: percutaneous drainage of pancreatic and peripancreatic fluid collections, *Cardiovasc Intervent Radiol* 1988; 11: 21
 Stanley JH; Harrell B; Horger EO III: pseudoperitoneal reverberation artifact: common ultrasound artifact in fetal cranium, *JCU* 1986; 14: 251
 Stanley JH; Horger EO III; Fagan CJ; et al: sonographic findings in abdominal pregnancy, *AJR* 1986; 147: 1043
 Stanley JH; Ravenel D; Parker TH; et al: exogastric leiomyoblastoma: rare gastric neoplasm mimicking left hepatic mass on computed tomography, *CT* 1986; 10: 187
 Stanley JH; Schabel SI; Frey GD; et al: quantitative analysis of the cervical spinal canal by computed tomography, *Neuroradiol* 1986; 28: 139
 Stanley JM; Gobien RP; Cunningham J; Andriole J: biliary decompression: institutional comparison of percutaneous and endoscopic methods, *Radiology* 1986; 158: 195
 Stanley P See Boechat MI
 Stanley P See Graziani MJ
 Stanley P; Diamant MJ: pediatric percutaneous nephrostomy: experience with 50 patients, (ab), *Radiology* 1986; 161: 863
 Stanley P; Hall TR; Woolley MM; et al: mesenchymal hamartomas of the liver in childhood: sonographic and CT findings, *AJR* 1986; 147: 1035
 Stanley P; Malekzadeh M; Diamant MJ: posttransplant renal artery stenosis: angiographic study in 32 children, *AJR* 1987; 148: 487
 Stanley RE See Stoll FM
 Stanley RJ See Anderson SD
 Stanley RJ See Breatnach E
 Stanley RJ See Kenney PJ
 Stanley RJ See Koslin DB
 Stanley RJ See Skin MS
 Stanley RJ See Van Dyke JA
 Stanley RJ See Wise RH Jr
 Stanley TV See Miller MF
 Stanton AW See Lüscher TF
 Stanton GJ; Weigert DA; Fleischmann WR Jr; et al: interliver review, *Invest Radiol* 1987; 22: 259
 Stanton L; James L: Weatherwax: pioneer in the physics of radiology, *Radiographics* 1986; 6: 331
 Stanton L; Day JL; Villafana T; Miller CH; Lightfoot DA: screen-film mammographic technique for breast cancer screening, *Radiology* 1987; 163: 471

Stanton

- Stanton PE Jr See Shannon JJ Jr
- Staple TW; Jung D; Mork A: snapping tendon syndrome: hip tenography with fluoroscopic monitoring. *Radiology* 1988; 166: 873
- Staples CA See Müller NL
- Staples CA; Müller NL; Miller RR; Evans KG; Nelems B: mediastinal nodes in bronchogenic carcinoma: comparison between CT and mediastinoscopy. *Radiology* 1988; 167: 367
- Staples CA; Müller NL; Vadal S; Abboud RT; Ostrow D; Miller RR: usual interstitial pneumonia: correlation of CT with clinical, functional, and radiologic findings. *Radiology* 1987; 162: 377
- Stapleton FB See Fitch SJ
- Stapleton FB See Magill HL
- Stapleton FB See Tonkin IL
- Stapleton FB; Hanislan AS; Miller LA: hypercalciuria in children with juvenile rheumatoid arthritis: association with hematuria. (ab). *Radiology* 1986; 158: 283
- Stark EE See McDermott JC
- Stark F; Sargent JD; Hobbs JR: regression of the radiological changes of Gaucher's disease following bone marrow transplantation. *Br J Radiol* 1987; 60: 1189
- Starinsky R See Tauber T
- Starinsky R; Manor A; Segal M: non-functioning kidney associated with neonatal adrenal hemorrhage: report of 2 cases. *Pediatr Radiol* 1986; 16: 427
- Stark AM; Suter JP: benign chondroid lipomatous tumour of the breast. *Clin Radiol* 1988; 39: 328
- Stark DD See Bouquet J-C
- Stark DD See Butch RJ
- Stark DD See Edelman RR
- Stark DD See Elizondo G
- Stark DD See Ferrucci JT
- Stark DD See Gooding GAW
- Stark DD See Hahn FF
- Stark DD See Hendrick RE
- Stark DD See Lufkin RB
- Stark DD See Mueller PR
- Stark DD See Pusey E
- Stark DD See Saini S
- Stark DD See Tsang Y-M
- Stark DD See Weissleder R
- Stark DD See Wittenberg J
- Stark DD: MR imaging of focal liver masses. *Radiology* 1988; 168: 323
- Stark DD; Hahn FF; Trey C; et al: MRI of the Budd-Chiari syndrome. *AJR* 1986; 146: 1141
- Stark DD; Hendrick RE; Hahn FF; Ferrucci JT Jr: motion artifact reduction with fast spin-echo imaging. *Radiology* 1987; 164: 183
- Stark DD; Moss AA; Goldberg HI: nuclear magnetic resonance of the liver, spleen, and pancreas. *Cardiovasc Intervent Radiol* 1986; 6: 329
- Stark DD; Weissleder R; Elizondo G; Hahn FF; Saini S; Todd LE; Wittenberg J; Ferrucci JT Jr: superparamagnetic iron oxide: clinical application as a contrast agent for MR imaging of the liver. *Radiology* 1988; 168: 297
- Stark DD; Wittenberg J; Butch RJ; Ferrucci JT Jr: hepatic metastases: randomized, controlled comparison of detection with MR imaging and CT. *Radiology* 1987; 165: 399
- Stark DD; Wittenberg J; Edelman RR; Middleton MS; Saini S; Butch RJ; Brady TJ; Ferrucci JT Jr: detection of hepatic metastases: analysis of pulse sequence performance in MR imaging. *Radiology* 1986; 159: 365
- Stark DD; Wittenberg J; Middleton MS; Ferrucci JT Jr: liver metastases: detection by phase-contrast MR imaging. *Radiology* 1986; 158: 327
- Stark P See Greene R
- Stark P: ultraschalldiagnostik in geburtshilfe und gynäkologie—lehrbuch und atlas (ultrasound in obstetrics and gynecology—textbook and atlas). *Radiology* 1986; 158: 96
- Stark P; David C: right subclavian artery aneurysms—role of CT. *Comput Radiol* 1986; 4: 253
- Stark P; Jaramillo D: CT of the sternum. *AJR* 1986; 147: 72
- Stark P; Smith DC: hinged shutter for image alternator. *Radiology* 1988; 167: 561
- Stark P; Watkins GE; Hildebrandt-Stark HE; Dunbar RD: episternal ossicles. *Radiology* 1987; 165: 143
- Stark RH See Lye DJ
- Starkhammar H; Håkansson L: effect of starch microspheres on the passage of labelled erythrocytes and a low molecular weight marker through the liver. *Acta Oncol* 1987; 26: 361
- Starkhammar H; Håkansson L; Morales O; et al: intra-arterial mitomycin C treatment of unresectable liver tumours: preliminary results on the effect of degradable starch microspheres. *Acta Oncol* 1987; 26: 295
- Starkhammar H; Håkansson L; Sjödal R; et al: effect of portal blood flow and intra-arterially injected starch microspheres on the passage of a labelled tracer through the liver: an experimental study in pigs. *Acta Oncol* 1987; 26: 217
- Starkschall G; Riggs JD; Lowther JR II: computer-aided instructional module for radiological physics. *Int J Radiat Oncol Biol Phys* 1986; 12: 421
- Starling MR; Gross MD; Walsh RA; et al: assessment of the radionuclide angiographic left ventricular maximum time-varying elastance calculation in man. *J Nucl Med* 1988; 29: 1368
- Starling MR; Walsh RA; Dehmer GJ; et al: value of tomographic thallium-201 imaging in patients with chest pain following coronary artery bypass grafting. *Clin Nucl Med* 1987; 12: 134
- Starling MR; Walsh RA; Lasher JC; et al: quantification of left-ventricular regional dysynergy by radionuclide angiography. *J Nucl Med* 1987; 28: 1725
- Staron RB; Ford E: computed tomographic volumetric calculation reproducibility. *Invest Radiol* 1986; 21: 272
- Starosta-Rubinstein S; Young AB; Kluin K; et al: clinical assessment of 31 patients with Wilson's disease: correlations with structural changes on magnetic resonance imaging. (ab). *Radiology* 1987; 165: 882
- Starr I See Miller JDR
- Starren JB See Miller TR
- Starreveld AA See de Metz CE
- Starreveld AA; Shankowsky HA; Koch M: Canadian Association of Radiologists: treatment results in 2719 patients with carcinoma of the endometrium 1973-1977. *J Canad Assoc Radiol* 1987; 38: 96
- Starritt HC See Duck FA
- Starshak RJ See Choi SK
- Starshak RJ See Kilgore DP
- Starshak RJ See Krecak J
- Starshak RJ See Schroeder BA
- Starshak RJ See Sty JR
- Starshak RJ See Wells RG
- Starshak RJ; Kass GA; Samaraweera RN: developmental stenosis of the cervical spine in children. *Pediatr Radiol* 1987; 17: 291
- Starzl TE See Tobben PJ
- Stason WB See Steinberg EP
- Statz E; Oates E: scintigraphic demonstration of an ectopic parathyroid adenoma. *Clin Nucl Med* 1988; 13: 130
- Staub NC: new concepts about the pathophysiology of pulmonary edema. *J Thorac Imag* 1988; 3-3: 8
- Staudach A See Jeanty P
- Staudinger KM See Dorfman GS
- Stauffer ES See Segal LS
- Stauffer PR See Sneed FK
- Stauffer UG See Schwobel M
- Stavas J See Hajek PC
- Stavas J; vanSonnenberg E; Casola G; et al: percutaneous drainage of infected and noninfected thoracic fluid collections. *J Thorac Imag* 1987; 2: 80
- Stavas JM; Reinke DB; Miller RP: mycotic aneurysm of the renal artery: CT appearance. *Br J Radiol* 1986; 59: 401
- Stavros AT See Bluth EI
- Stazio A See Weisberg LA
- Steal B; Kinsella TJ; Triche TJ; et al: treatment of pelvic sarcomas in adolescents and young adults with intensive combined modality therapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 1797
- Stearns JC See Hayden SA
- Stearns JG; Felmlee JF; Gray JE: half-value-layer increase owing to tungsten buildup in the x-ray tube: fact or fiction. *Radiology* 1986; 160: 837
- Steinhardt DJ See Jamieson TW
- Steckel RJ See Batra P
- Steckel RJ See Benton JR
- Steckel RJ See Kagan AR
- Stecken J See Gelbert F
- Steel GG See Delic JJ
- Steel GG See Kelland LR
- Steel GG See Lockhart SP
- Steele G See Onik G
- Steele JW See Letourneau JG
- Steenberg HJ See Sillesen H
- Steenrijk R See Papapoulos SE
- Steen-Hansen E; Hove B; Andresen J: bone mass in patients with rheumatoid arthritis. *Skeletal Radiol* 1987; 16: 556
- Steere AC; Schoen RT; Taylor E: clinical evolution of Lyme arthritis. (ab). *Radiology* 1988; 167: 887
- Steeves RA See Kim TH
- Steeves RA See Robins HI
- Steffe JW See Resnik CS
- Steffey DJ; De Filipp GJ; Spera T; et al: MR imaging of primary epidermoid tumors. *JCAT* 1988; 12: 438
- Steger AC; Whitecross SES; Hira N: use of endoscopic ultrasound and laser photocoagulation in the treatment of gastrointestinal tract tumours: early experience. *Br J Radiol* 1987; 60: 1141
- Stehling MK See Howseman AM
- Stehman FB See Calkins AR
- Stehman FB See Reddy S
- Steibel J See Grucker D
- Steichen JJ; Kerlakes JG; Tsang RC: radiation dose to small infants from single-proton absorptiometry. *Radiology* 1988; 168: 169
- Steiger DA See Sacco DC
- Steiger HJ See Schmid UD
- Steiger P See Genant HK
- Steiger P See Glüer C-C
- Steiger P See Lang P
- Steiger P; Block JE; Friedlander A; et al: precise determination of paraspinal musculature by quantitative CT. *JCAT* 1988; 12: 616
- Stein BM See Ganti SR
- Stein BM See Solomon RA
- Stein E: case report 374. *Skeletal Radiol* 1986; 15: 391
- Stein EJ See McLean GK
- Stein EJ See Meranze SG
- Stein HD See Baker SR
- Stein HL See Fishman MC
- Stein HL See Fishman-Javitt MC
- Stein HL See Javitt MCF
- Stein HL See Naidich JB
- Stein HL See Wiener JJ
- Stein J See Beitzke A
- Stein L See Schoenfeld A
- Stein LA See Olak J
- Stein M See Kuten A
- Stein MA See Graham LS
- Stein MA See LaFontaine RL
- Stein MG See Hamlin JA
- Stein MG See Mayo JR
- Stein MG See Webb WR
- Stein MG; Crues JV III; Bradley WC Jr; et al: MR imaging of pulmonary emboli: experimental study in dogs. *AJR* 1986; 147: 1133
- Stein MG; Demarco T; Gamsu G; et al: computed tomography: pathologic correlation in lung disease due to cocaine. (ab). *Radiology* 1988; 168: 884
- Stein MG; Gamsu G; de Geer G; et al: cine CT in obstructive sleep apnea. *AJR* 1987; 148: 1069
- Stein MG; Gamsu G; Webb WR; et al: computed tomography of diffuse tracheal stenosis in Wegener granulomatosis. *JCAT* 1986; 10: 868
- Stein MG; Mayo J; Müller NL; Aberle DR; Webb WR; Gamsu G: pulmonary lymphangitic spread of carcinoma: appearance on CT scans. *Radiology* 1987; 162: 371
- Stein PD; Goldstein S; Sabbah HN; et al: *in vivo* evaluation of intracellular pH and high-energy phosphate metabolites during regional myocardial ischemia in cats using ³¹P nuclear magnetic resonance. *Magn Res Med* 1986; 3: 262
- Stein R See Gooding GAW
- Stein RM See Randal SB
- Stein SA See Hill SC
- Steinbach BG See Urrutia EJ
- Steinbach LS See Chafetz NI
- Steinbach LS; Helms CA; Sims RE; et al: high resolution computed tomography of knee menisci. *Skeletal Radiol* 1987; 16: 11
- Steinbaum S See Cheung YY
- Steinberg AD; Seldin MF; Smith HR; et al: angiomatous lymphadenopathy with dysproteinemia. (ab). *Radiology* 1988; 169: 591
- Steinberg BM See Tartert PI
- Steinberg EP See Kinnison ML
- Steinberg EP See Powe NR
- Steinberg EP: status of MRI in 1986: rates of adoption in the United States and worldwide. *AJR* 1986; 147: 453
- Steinberg EP; Anderson GF; Powe NR; et al: use of low-osmolality contrast media in a price-sensitive environment. *AJR* 1988; 151: 271
- Steinberg EP; Anderson GF; Steinwachs DM: changes in CT utilization between 1981 and 1984: implications for Medicare payment for MR imaging under the prospective payment system. *Radiology* 1987; 165: 279
- Steinberg EP; Stason WB; diMonda R; Schroeder SA: determinants of acquisition of MR imaging units in an era of prospective payment. *Radiology* 1988; 168: 265
- Steinberg H See Das DK
- Steinberg HV See Baumgartner BR
- Steinberg HV See Bernardino ME
- Steinberg HV See Cheezmar JL
- Steinberg HV See Murphy FB
- Steinberg HV See Nelson RC
- Steinberg HV See Torres WE
- Steinberg HV; Beckett WW; Cheezmar JL; et al: incidence of cholelithiasis among patients with cirrhosis and portal hypertension. *Gastrointest Radiol* 1988; 13: 347
- Steinberg HV; Erwin BC: metastases to the pleura: sonographic detection. *JCU* 1987; 15: 276
- Steinberg HV; Nelson RC; Murphy FB; Cheezmar JL; Baumgartner BR; Delaney VB; Whelchel JD; Bernardino ME: renal allograft rejection: evaluation by Doppler US and MR imaging. *Radiology* 1987; 162: 337

- Steinberg ME See Gluckstein MF
 Steinberg ME See Mitchell DG
 Steinberg ME See Mitchell MD
 Steinberg PM See Hueftle MG
 Steinberg PM See Modic MT
 Steinberg SM See Lawrence TS
 Steinbok P See Boyd MC
 Steinbrich W See K...stin GP
 Steinbrich W See Modder U
 Steinbrich W; Beyer D; Modder U: malignant lymph node diseases. diagnosis with MRI in comparison with other imaging modalities, (ab), Radiology 1986; 158: 287
 Steiner E See Listinsky JJ
 Steiner E See Mueller FR
 Steiner E See Silverman SG
 Steiner E See Zagoria RJ
 Steiner E; Mueller FR; Hahn PF; Saini S; Simeone JF; Wittenberg J; Warkaw AL; Ferrucci JT Jr: complicated pancreatic abscesses: problems in interventional management, Radiology 1988; 167: 443
 Steiner E; Mueller FR; Simeone JF; et al: transcystic biopsy: a new approach to posterior pelvic lesions, AJR 1987; 149: 93
 Steiner E; Rubens D; Weiss SL; et al: sonographic examination of the abdominal aorta through the left flank: prospective study, J Ultrasound Med 1986; 5: 499
 Steiner E; Simon JH; Ekholm SE; et al: neurologic complications in diabetics after metrizamide lumbar myelography, AJNR 1986; 7: 323
 Steiner G See Greenspan A
 Steiner GC See Abdelwahab IF
 Steiner GC See Hermann G
 Steiner GC See Norman A
 Steiner GM See Booth AJ
 Steiner GM See Carver RA
 Steiner GM See Merrill CR
 Steiner H See Pilger E
 Steiner H; Lammer J; Kleinert R; et al: dissecting aneurysm of cerebral arteries in congenital aortic deficiency, Neuroradiol 1986; 28: 331
 Steiner I See Gomori JM
 Steiner JF See Oestreich AE
 Steiner M See Front D
 Steiner M See Kuten A
 Steiner R See Greene R
 Steiner RE See Graif M
 Steiner RE See Greco A
 Steiner RE See Guilleux M-H
 Steiner RE See McKinstry CS
 Steiner RE See Robinson DA
 Steiner RE See Wilson DA
 Steiner RE: nuclear magnetic resonance imaging of the heart, Cardiovasc Intervent Radiol 1986; 8: 314
 Steiner RE: present and future clinical position of magnetic resonance imaging, Magn Res Med 1986; 3: 473
 Steiner RM See Greco RJ
 Steiner RM See Rao VM
 Steiner RM See Sullivan KL
 Steiner RM See Wechsler RJ
 Steiner RM; Flicker S; Eldredge WJ; et al: functional and anatomic evaluation of the cardiovascular system with rapid-acquisition computed tomography (cine CT), Radiol Clin North Am 1986; 24: 503
 Steiner RM; Mintz G; Morse D; Kotler M; Flicker S; Raichlen JS; Fernandez J; Panto M; Chun P; Gonzalez-Lavin L: radiology of cardiac valve prostheses, Radiographics 1988; 8: 277
 Steiner RM; Rockoff SD; Stitik FP; et al: current state of residency and fellowship training programs in pulmonary and cardiac radiology, AJR 1987; 148: 1081
 Steiner RM; Tegtmeyer CJ; Morse D; Moses ML; Goodman LR; Nanda N; Rabin CE; Parsonnet V; Flicker S: radiology of cardiac pacemakers, Radiographics 1986; 6: 373
 Steiner TJ See McIvor J
 Steinfeld A See Fass D
 Steinfeld AD: cancer and the elderly, Radiology 1986; 161: 656
 Steinfeld AD: genitourinary cancer management, Radiology 1987; 165: 164
 Steinfeld AD: innovations in radiation oncology, Radiology 1988; 169: 786
 Steinfeld AD: liver cancer, Radiology 1986; 160: 626
 Steinfeld AD: lymphatic imaging: lymphography, computed tomography and scintigraphy. 2d ed., Radiology 1986; 159: 692
 Steinfeld AD: modern radiation oncology, vol. 2, Radiology 1986; 158: 844
 Steinfeld AD: ovarian cancer, Radiology 1987; 162: 306
 Steinfeld AD: physician's guide to cancer care complications. fundamentals of cancer management series, Radiology 1987; 163: 430
 Steinfeld AD: practical radiotherapy planning, Radiology 1987; 163: 324
 Steinfeld AD: principles and practice of radiation oncology, Radiology 1988; 167: 612
 Steinfeld AD: radiation oncology, Radiology 1986; 159: 800
 Steinfeld AD: radiation therapy of gynecological cancer, Radiology 1987; 165: 84
 Steinfeld AD: radiotherapy in clinical practice, Radiology 1987; 165: 666
 Steinfeld AD: screening for cancer, Radiology 1986; 159: 52
 Steinfeld AD: treatment planning in the radiation therapy of cancer, Radiology 1988; 167: 678
 Steingart A; Hachinski VC; Lau C: cognitive and neurologic findings in subjects with diffuse white matter lucencies on computed tomographic scan (leuko-araisia), (ab), Radiology 1987; 164: 294
 Steingart RM; Cohen MV: thallium-201 scintigraphic quantitation of regional flow disparity and subsequent redistribution in dogs, J Nucl Med 1986; 27: 75
 Steinhart MI See Goldfinger M
 Steinhart MI See Poon FY
 Steinhart CM See Hoffman WH
 Steinhart CA; Cuttitt JF: spontaneous pneumothorax: complication of lung cancer?, (ab), Radiology 1986; 159: 821
 Steinling M; Desice A: mismatch between iodine-123 and xenon-133 SPECT rCBF measurement, Clin Nucl Med 1986; 11: 13
 Steinmetz SD See Burgener FA
 Steinmetz DR See Streem SB
 Steinwachs DM See Steinberg EP
 Stell PM; Maran AGD; Stanley RE; et al: chronic laryngeal stenosis, (ab), Radiology 1986; 158: 861
 Stellato LA See Dickey JE
 Stellato TA See Morris J
 Stelling CB See Turner DA
 Stelling CB: radiologic atlas of rheumatic diseases, Radiology 1987; 165: 630
 Stelling CB; Powell DE; Mattingly SS: fibroadenomas: histopathologic and MR imaging features, Radiology 1987; 162: 399
 Stelten J See Koschorek F
 Stemmer JL See Donohoe KJ
 Stempki MO See Ker M
 Stempki MO See Seeley GW
 Stener B See Berlin O
 Stenke L; Axelsson B; Ekman M; et al: radioactive iodine and cesium in travellers to different parts of Europe after the Chernobyl accident, Acta Oncol 1987; 26: 207
 Stenolen R; Mootz AR; Landay MJ II: retrocardiac phantom image on hypocycloidal chest tomograms, Radiology 1986; 161: 671
 Stenwig AE See Lian HH
 Stenwig JT See Johansen JG
 Stenzel TT See Brown MA
 Stephan R See von Einsiedel HG
 Stephanadis C; Bush CA; Kalibash AJ; et al: aortic distensibility abnormalities in coronary artery disease, (ab), Radiology 1988; 166: 588
 Stephens BA See Kelvin FM
 Stephens DH See Brandt DJ
 Stephens DH See Ormson ML
 Stephens DH See Teeffey SA
 Stephens LC See Schultheiss TE
 Stephens M; Gibbs AR; Pooley FD; et al: asbestos induced diffuse pleural fibrosis: pathology and mineralogy, (ab), Radiology 1988; 167: 291
 Stephens RL See Mira JG
 Stephenson LW See Epstein DM
 Stephenson TF; Spitzer RM: MR and CT appearance of ruptured intracranial dermoid tumors, Comput Radiol 1987; 11: 249
 Sterbinski GLP; Agatiello LM; Stocchi A; et al: CT of ischemic infarctions in the territory of the anterior choroidal artery: review of 28 cases, AJNR 1987; 8: 229
 Sterchi JM See Poole GV Jr
 Sterling RT See Weidner N
 Stern BJ See Hayes WS
 Stern D See Solomon A
 Stern H See Teitelbaum GP
 Stern J See Ruoh C
 Stern J See Szilagyi A
 Stern JJ; Stoopack PM: magnetic resonance imaging in the diagnosis of a psoas abscess, CT 1988; 12: 79
 Stern JL See Hricak H
 Stern M See Houang MTW
 Stern PJ See Schneider HJ
 Stern R See Sommer G
 Sternberg JL: sublingual pyramidal lobe: complications of subtotal thyroidectomy for Graves' disease, Clin Nucl Med 1986; 11: 766
 Sternick ES See Wu A
 Stess RM See Gooding GAW
 Steis G See Klein LW
 Stettler E See Graumann R
 Stevens JC See Edwards MK
 Stevens JC; Farlow MR; Edwards MK; et al: magnetic resonance imaging: clinical correlation in 64 patients with multiple sclerosis, (ab), Radiology 1987; 163: 592
 Stevens JF See Arenson RL
 Stevens JM See Yu YL
 Stevens JM; Barter S; Kendall BE: massive intracranial pannus and a pseudomeningocele in the atlanto-dental interval in rheumatoid arthritis, Br J Radiol 1987; 60: 185
 Stevens JM; Kendall BE; Davis C; et al: percutaneous insertion of the spinal end of a cysto-peritoneal shunt as definitive treatment to relieve cord compression from a spinal arachnoid cyst, Neuroradiol 1987; 29: 190
 Stevens JM; O'Driscoll DM; Yu YL; et al: some dynamic factors in compressive deformity of the cervical spinal cord, Neuroradiol 1987; 29: 136
 Stevens M See Smathers RL
 Stevens MH See Coit WE
 Stevens MH; Harnsberger HR; Mancuso AA; et al: computed tomography of cervical lymph nodes: staging and management of head and neck cancer, (ab), Radiology 1986; 161: 287
 Stevens PE See Bloodworth LL
 Stevens PG; Kumari-Subaiya SS; Kahn LB: splenic involvement in Gaucher's disease: sonographic findings, JCU 1987; 15: 397
 Stevens PH See Jackson PC
 Stevens PS See Mason WG Jr
 Stevenson DK See Baker LL
 Stevenson DK See Fischer AF
 Stevenson GW See Bernier F
 Stevenson GW See Francis S
 Stevenson GW See Frost RA
 Stevenson GW See Richards DG
 Stevenson GW See Somers S
 Stevenson GW: Parrish lecture: new horizons in GI radiology, J Canad Assoc Radiol 1986; 37: 261
 Stevenson GW; Collins SM; Somers S: radiological appearance of migrating motor complex of the small intestine, Gastrointest Radiol 1988; 13: 215
 Stevenson GW; Pathria MN; Lamping DL; et al: driving ability after intravenous fentanyl or diazepam: controlled double-blind study, Invest Radiol 1986; 21: 717
 Stevenson JC See Banks LM
 Stevenson LW See Strauss RH
 Stevenson RE; Kelly JC; Aylsworth AS; et al: vascular basis for neural tube defects: a hypothesis, (ab), Radiology 1987; 165: 588
 Stewart CA See Kroeker RM
 Stewart CA; Hanstock CC; Allen PS: application of depth-pulse localized ³¹P NMR spectroscopy to monitor tumor metabolism and response to chemotherapy in the rat kidney, Magn Res Med 1988; 7: 100
 Stewart CA; Hays TJ: liver-spleen scan of hepatic cirrhosis in a patient with situs inversus, Clin Nucl Med 1988; 13: 301
 Stewart CA; Sakimura IT; Applebaum DM; et al: evaluation of peritoneovenous shunt patency by intraperitoneal Tc-99m macroaggregated albumin: clinical experience, AJR 1986; 147: 177
 Stewart CA; Sakimura IT; Siegel ME: demonstration of hydrothorax by intraperitoneal injection of technetium-99m MAA in the evaluation of peritoneovenous shunt patency, Clin Nucl Med 1986; 11: 696
 Stewart CA; Sakimura IT; Siegel ME: scintigraphic demonstration of splenosis, Clin Nucl Med 1986; 11: 161
 Stewart CA; Siegel ME; King D; et al: radionuclide and radiographic demonstration of condensing osteitis of the clavicle, Clin Nucl Med 1988; 13: 177
 Stewart DA: editor's page: on growth, Radiology 1988; 167: 742
 Stewart ET See Baum S
 Stewart ET See Dodds WJ
 Stewart ET See Olson DL
 Stewart F; Bohlken S; Begg A; et al: renal damage in mice after treatment with cisplatin alone or in combination with x-irradiation, Int J Radiat Oncol Biol Phys 1986; 12: 927
 Stewart F; Randhawa V; Maughan R: RBE for mouse bladders after irradiation with 1 to 8 fractions of d(4) + Be neutrons, Br J Radiol 1986; 59: 61
 Stewart FA See Rojas A
 Stewart FA; Oussoren Y; Luts A; et al: repair of sublethal radiation injury after multiple small doses in mouse kidney: an estimate of flexure dose, Int J Radiat Oncol Biol Phys 1987; 13: 765
 Stewart GM See Wilson WR
 Stewart HJ See Rodger A
 Stewart IS See Poon FW
 Stewart JG; MacMahon H; Vyborny CJ; et al: dystrophic calcification in carcinoma of the lung: demonstration by CT, AJR 1987; 148: 29
 Stewart JR See Jacobson GM
 Stewart JS See Pickering DG
 Stewart S See Maggart M
 Stewart WA See Naidich TP
 Stewart-Wynne EG See Hankey GJ
 Stichnoth FA See Demierre B
 Stickler JE See Mark AS
 Stiegelis WF See Veeze-Kuljpers B
 Stiglbauer R See Schwaighofer B

- Stigol LC See Griscorn NT
 Stiles RG See Evanchio AM
 Stiles RG; Resnick D; Sartoris DJ; Andre MF: rotator cuff disruption: diagnosis with digital arthrography. *Radiology* 1988; 168: 705
 Stilla RF See Weiss KL
 Stillier RJ See Gerson AG
 Stillier RJ; Pinto M; Heller C; et al: oligohydramnios associated with bilateral multicystic dysplastic kidneys: prenatal diagnosis at 15 weeks' gestation. *JCU* 1988; 16: 436
 Stillman AE See Levin DN
 Stillman MJ; Ronthal M; Kleefield J; et al: cerebral infarction: shortcomings of angiography in the evaluation of intracranial cerebrovascular disease in 25 cases. (ab). *Radiology* 1988; 166: 914
 Stillwagon GB; Order SE; Klein JL; et al: multi-modal treatment of primary nonresectable intrahepatic cholangiocarcinoma with ¹³¹I anti-CEA - radiation therapy oncology group study. *Int J Radiat Oncol Biol Phys* 1987; 13: 687
 Stitman GK See Bertino RE
 Stitman GK See Varnell RM
 Stitman GK; Burch D; Livingston RR; et al: device for maintaining cervical spine stabilization and traction during CT scanning. *AJR* 1987; 149: 345
 Stitman GK; Mills RP; Dailey RA; et al: CT of acquired hyperopia with choroidal folds. *AJNR* 1987; 8: 1107
 Stitman GK; Porter BA; Olson DO; et al: gadolinium-DTPA-enhanced MR imaging of spinal neoplasms: preliminary investigation and comparison with unenhanced spin-echo and STIR sequences. *AJNR* 1988; 9: 839
 Stitman GK; Solomon MA; Newton TH: CT and MR of angiomatous malformations of the choroid plexus in patients with Sturge-Weber disease. *AJNR* 1986; 7: 623
 Stitman GK; Sundsten JW; Prothero JS; et al: three-dimensional contour surfacing of the skull, face, and brain from CT and MR images and from anatomic sections. *AJR* 1988; 151: 807
 Stines J; Rodde A; Carolus JM; et al: CT findings of laryngeal involvement in von Recklinghausen disease. *JCAT* 1987; 11: 141
 Stinson S See Bader B
 Stiris MG; Finnanger AM: postrenal segment aneurysm and intrahepatic interruption of the inferior vena cava: a case report. *Acta Radiol* 1987; 28: 545
 Stiris MG; Laerum F: iohexol and ioxaglate in peripheral angiography. *Acta Radiol* 1987; 28: 767
 Stitlik FF See Steiner RM
 Stitlik FF See Zerhouni EA
 Stiving SO See Weiss KL
 St Louis EL See Gray RR
 Stobbe CC See Koch CJ
 Stocchi A See Sterbini GLP
 Stockard B See Manga P
 Stockdale AD; Leader M: case report: phylloides tumour of the breast: response to radiotherapy. *Clin Radiol* 1987; 38: 287
 Stocker JT See Dehner LP
 Stockley I; Getty CJM; Dixon AK; et al: lumbar lateral canal entrapment: clinical, radiologic and computed tomographic findings. *Clin Radiol* 1988; 39: 144
 Stocklin G See Hamacher K
 Stoessel F; Schwenne A; Muenster W: percutaneous transluminal embolization for improved prognosis of renal cell carcinoma - dependence on tumor stages. *Cardiovasc Intervent Radiol* 1988; 11: 91
 Stoffer SS See Szpunar WE
 Stoffer G See Lammer J
 Stokar S See Zur Y
 Stokely EM See Homan RW
 Stoker DJ See Ingram C
 Stoker J See Lameris JS
 Stokes KR See Clouse ME
 Stokes KR See Gardiner GA Jr
 Stokes S; Bedwinek J; Kao M-S; et al: treatment of stage I adenocarcinoma of the endometrium by hysterectomy and adjuvant irradiation: retrospective analysis of 304 patients. *Int J Radiat Oncol Biol Phys* 1986; 12: 339
 Stokes S; Bedwinek J; Perez CA; et al: hysterectomy and adjuvant irradiation for pathologic stage III adenocarcinoma of the endometrium. *Int J Radiat Oncol Biol Phys* 1986; 12: 335
 Stokes SH; Griffith RC; Thomas FRM: angiolipoma of lymph node hyperplasia (Castleman's disease) associated with vertebral destruction. (ab). *Radiology* 1986; 158: 570
 Stokes TJ See Windus DW
 Stolar CJH; Berdon WE; Dillon FW; et al: esophageal dilatation and reflux in neonates supported by ECMO after diaphragmatic hernia repair. *AJR* 1988; 151: 135
 Stolar CJH; Garvin JH Jr; Rustad DG; et al: residual or recurrent chest mass in pediatric Hodgkin's disease: a surgical problem? (ab). *Radiology* 1988; 168: 592
 Stollberg HO: clinical recognition of congenital heart disease. 3d ed. *Radiology* 1988; 166: 678
 Stollberg HO: coronary angioplasty. *Radiology* 1988; 168: 90
 Stollberg HO: diagnostic and interventional catheterization in congenital heart disease. *Radiology* 1988; 168: 108
 Stollberg HO: radiology of congenital heart disease. vol. 1. *Radiology* 1988; 166: 668
 Stolk J See Bloem JL
 Stolk JA; Olsen JL; Alderman DW; et al: effects of age on apparent ³¹P spin-lattice relaxation times of rat brain phosphates. *Magn Res Med* 1987; 5: 78
 Stoll JF See Kanda K
 Stoll JF; Fellows KE: catheter induced pseudostenosis of the right pulmonary artery: a technical note. *Cardiovasc Intervent Radiol* 1987; 10: 237
 Stoll S See Goldfinger M
 Stoll S; Goldfinger M; Rothberg R; et al: incidental detection of impalpable testicular neoplasm by sonography. *AJR* 1986; 146: 349
 Stoller DW See Cruess JV III
 Stoller DW: meniscal tears: pathologic correlation with MR imaging: reply. *Radiology* 1988; 166: 580
 Stoller DW; Martin C; Cruess JV III; Kaplan L; Mink JH: meniscal tears: pathologic correlation with MR imaging. *Radiology* 1987; 163: 731
 Stoller JL See Gibney RG
 Stollman A; Pinto R; Benjamin V; et al: radiologic imaging of symptomatic ligamentum flavum thickening with and without ossification. *AJNR* 1987; 8: 991
 Stollman AL See Som PM
 Stolte M See Seitz K
 Stoltenburg G See Volle E
 Stomper PC See Kwai AH
 Stomper PC See Lipman JC
 Stomper PC See Meyer JE
 Stomper PC; Davis SP; Sonnenfeld MR; et al: efficacy of specimen radiography of clinically occult noncalcified breast lesions. *AJR* 1988; 151: 43
 Stomper PC; Davis SP; Weidner N; Meyer JE: clinically occult, noncalcified breast cancer: serial radiologic-pathologic correlation in 27 cases. *Radiology* 1988; 169: 621
 Stomper PC; Fung CY; Socinaki MA; et al: detection of retroperitoneal metastases in early-stage nonseminomatous testicular cancer: analysis of different CT criteria. *AJR* 1987; 149: 1187
 Stomper PC; Jochelson MS; Friedman EL; et al: CT evaluation of advanced seminoma treated with chemotherapy. *AJR* 1986; 146: 745
 Stomper PC; Kopans DB; Sadowsky NL; et al: is mammography painful? a multicenter patient survey. (ab). *Radiology* 1988; 168: 293
 Stomper PC; Recht A; Berenberg AL; et al: mammographic detection of recurrent cancer in the irradiated breast. *AJR* 1987; 148: 39
 Stomper PC; Socinski MA; Kaplan WD; Garnick MB: failure patterns of nonseminomatous testicular germ cell tumors: radiographic analysis of 51 cases. *Radiology* 1988; 167: 641
 Stone AJ See Helmer S
 Stone EE; Conte FA: glucagon-induced small bowel air reflux: degrading effects on double-contrast colon examination. *Gastrointest Radiol* 1988; 13: 212
 Stone HB See Masuda K
 Stone HB: misonidazole in fractionated radiotherapy of a murine mammary carcinoma: comparison of tumor and normal tissue response. *Int J Radiat Oncol Biol Phys* 1988; 14: 957
 Stone HB; Harding RP: reversible injury after mild hyperthermia. *Int J Radiat Oncol Biol Phys* 1986; 12: 823
 Stone HB; Lun YH; Lam KN: sensitization by SR-2508 plus Ro 03-8799. *Int J Radiat Oncol Biol Phys* 1986; 12: 1097
 Stone HB; Milas L: enhancement of radiation-induced normal tissue damage by a fibrosarcoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 1721
 Stone J See Naseem M
 Stone WJ See Casey TT
 Stoneman HR See Weisbrod GL
 Stones DK; van Niekirk CH; Cilliers C: computerized tomography in pneumatoceles after paraffin ingestion. *Pediatr Radiol* 1987; 17: 443
 Stonesifer KJ See Smith AS
 Stoner R See Aufermann W
 St Onge O See Berman L
 Stoopack FM See Stern JJ
 Stoops HC See Van Nostrand D
 Storb R See Deeg HJ
 Stordahl A; Laerum F: water-soluble contrast media compared with barium in enteric follow-through: urinary excretion and radiographic efficacy in rats with intestinal ischemia. *Invest Radiol* 1988; 23: 471
 Stordahl A; Laerum F; Gjolberg T; et al: water-soluble contrast media in radiography of small bowel obstruction: comparison of ionic and non-ionic contrast media. *Acta Radiol* 1988; 29: 53
 Storelli JM See Hall FM
 Stork JJ See Gillespie T III
 Stork W See Roosen N
 Storme L See Wilms GE
 Stormorken H; Skalte IO; Testart MC: effect of various contrast media on coagulation, fibrinolysis, and platelet function: in vitro and in vivo study. *Invest Radiol* 1986; 21: 348
 Stoudemire J See Engelstad BL
 Stout R See Jones DA
 Stout R See Magee BJ
 Stover DE See Meduri GU
 Stover-Pepe DE See Yeh SDJ
 Stovner LJ See Sand T
 Stjvring J See Anda S
 Strain JD; Campbell JB; Harvey LA; et al: IV nembutal: safe sedation for children undergoing CT. *AJNR* 1988; 9: 955
 Strain JD; Harvey LA; Foley LC; Campbell JB: intravenously administered pentobarbital sodium for sedation in pediatric CT. *Radiology* 1986; 161: 105
 Strand M See Anderson-Berg WT
 Strand R See Chinwuba C
 Strand R See Hermann-Schulman M
 Strandberg K; Falkenløve P; Dorph S; et al: effect of glucagon-(1-21)-peptide on gastroduodenal motility during upper gastrointestinal examination: randomized trials. *Acta Radiol* 1988; 29: 49
 Strandberg JD See Kinnison ML
 Strandberg E See Jørgensen JJ
 Strandjord SE See Miraldi FD
 Strandjord SE See Yulish BS
 Strandness DE Jr See Moneta GL
 Strandness DE Jr See Taylor DC
 Strandness DE Jr: ultrasound in the study of atherosclerosis. *Ultrasound Med Biol* 1986; 12: 453
 Strandt J See Czervionke LF
 Strange C; Allen ML; Freedland PN; et al: biliopleural fistula as a complication of percutaneous biliary drainage: experimental evidence for pleural inflammation. (ab). *Radiology* 1988; 168: 884
 Strash AM See de Paredes ES
 Strashun AM See Dunn EK
 Strashun AM See Palestro C
 Strasser SF; Matalon TAS; Turner DA; et al: mycotic right coronary artery aneurysm: CT and MR diagnosis. *JCAT* 1986; 10: 667
 Straatemeier EJ; Thompson R; Brady TJ; Miller SW; Saini S; Wismer GL; Okada RD; Dinamore RE: ejection fraction determination by MR imaging: comparison with left ventricular angiography. *Radiology* 1986; 158: 775
 Stratford IJ See Chaplin DJ
 Stratford IJ See Walling JM
 Stratford MRI See Minchinton AI
 Stratford MRI See Watts ME
 Strattemeier E See Rose RM
 Stratton IM See Lewis CA
 Straub H See Schrevel W
 Straub WH See Lee F
 Straub WH See Westley KA
 Straube A See Uhlenbrock D
 Straughan K See Lerski RA
 Straus AK See Turner DA
 Straus DJ See Recht L
 Straus KL; Littman P; Wein AJ; et al: treatment of bladder cancer with interstitial iridium-192 implantation and external beam irradiation. *Int J Radiat Oncol Biol Phys* 1988; 14: 265
 Strauss EB See Morse SS
 Strauss EB See Sniderman KW
 Strauss EB; Soestman HD; Gottschalk A: radiographic parenchymal opacity, matching perfusion defect, and normal ventilation: sign of pulmonary embolism? work in progress. *Radiology* 1987; 163: 505
 Strauss HW See Drucker EA
 Strauss HW See Jones GS Jr
 Strauss HW See Khaw BA
 Strauss HW; Boucher CA: myocardial perfusion studies: lessons from a decade of clinical use. *Radiology* 1986; 160: 577
 Strauss KJ See Singer SJ
 Strauss LG See Busch HP
 Strauss LG; Busch HP; Menges W; et al: parametric imaging of blood flow. *Eur J Radiol* 1988; 8: 24
 Strauss LG; Busch HP; Prager P; et al: computer processed fluoroscopic images for digital intravenous renal angiography. *Eur J Radiol* 1986; 6: 78

- Strauss RH; Stevenson LW; Dadourian BA; et al: predictability of mitral regurgitation detected by Doppler echocardiography in patients referred for cardiac transplantation, (ab), *Radiology* 1987; 165: 586
- Strauss S See Graif M
- Strauss S See Libson E
- Strauss S; Libson E; Schwartz E; et al: renal sonography in American Burkitt lymphoma, *AJR* 1986; 146: 549
- Strauss S; Robinson G; Lotan D; et al: renal sonography in Bartter syndrome, *J Ultrasound Med* 1987; 6: 265
- Strauss S; Tamarkin M; Engelberg S; et al: prenatal sonographic appearance of diprosopus, *J Ultrasound Med* 1987; 6: 93
- Stray-Gundersen J See Katz J
- Strecker EP See Holz M
- Strecker E-P; Holz M; Meyer-Waarden K; et al: influence of NMK measuring sequences and gradient variation on signals from flowing systems. magnetic resonance tomography on experimental models, *Eur J Radiol* 1986; 6: 53
- Strecker W; Gilula LA; Kyriakos M: case report 479, *Skeletal Radiol* 1988; 17: 220
- Stroom SB; Novick AC; Steinmuller DR; et al: percutaneous techniques for the management of urological renal transplant complications, (ab), *Radiology* 1986; 160: 573
- Street L See Warshawer DM
- Streeten DF See Kenney FJ
- Streeter OE Jr; Goldson AL; Chevallier C; et al: high dose rate ^{60}Co remote afterloading irradiation in cancer of the cervix in Haiti, 1977-1984, *Int J Radiat Oncol Biol Phys* 1988; 14: 1159
- Streeton J See Lau LSW
- Strickland C See Ling LL
- Stright RA See Yates CK
- Strenger SW See Som PM
- Strich G See Mattrey RF
- Strickland B See Morgan MDL
- Strickland B See Roberts CM
- Strickland B; Brennan J; Denison DM: computed tomography in diffuse lung disease: improving the image, *Clin Radiol* 1986; 37: 335
- Strickland DD See Yang PJ
- Stridbeck H; Holmström T; Hagerstrand E: effect of repeated normothermic ischaemia on normal liver parenchyma: an experimental study in pigs, *Acta Radiol* 1987; 28: 215
- Strife JL See Ball WS Jr
- Strife JL See Bisset GS III
- Strife JL See Egglehoff JC
- Strife JL See Rosario-Medina W
- Strife JL: upper airway and tracheal obstruction in infants and children, *Radiol Clin North Am* 1988; 26: 309
- Strife JL; Ball WS Jr; Towbin RB; Keller MS; Dillon T: arterial occlusions in neonates: use of fibrinolytic therapy, *Radiology* 1988; 166: 395
- Strijk SP: calcified gallstone fissures: reversed Mercedes Benz sign, *Gastrointest Radiol* 1987; 12: 152
- Strijk SP: lymphography and abdominal computed tomography in the staging of non-Hodgkin lymphoma: with an analysis of discrepancies, *Acta Radiol* 1987; 28: 263
- Strijk SP; Boetes C; Bogman MJT; et al: spleen in non-Hodgkin lymphoma: diagnostic value of computed tomography, *Acta Radiol* 1987; 28: 139
- Stringer DA See Berman L
- Stringer DA See Cohen EK
- Stringer DA See Davies CH
- Stringer DA See Liu P
- Stringer DA See Miller M
- Stringer DA See Sprigg A
- Stringer DA: imaging inflammatory bowel disease in the pediatric patient, *Radiol Clin North Am* 1987; 25: 93
- Stringer DA; Cleghorn GJ; Durie PR; et al: Behcet's syndrome involving the gastrointestinal tract—diagnostic dilemma in childhood, *Pediatr Radiol* 1986; 16: 131
- Stringer DA; Cloutier S; Daneman A; et al: value of the small bowel enema in children, *J Canad Assoc Radiol* 1986; 37: 13
- Stringer DA; Daneman A; Brunelle F; et al: sonography of the normal and abnormal stomach (excluding hypertrophic pyloric stenosis) in children, *J Ultrasound Med* 1986; 5: 183
- Stringer DA; Dobranowski J; Ein SH; et al: interposition of the gallbladder—or the absent common hepatic duct and cystic duct, *Pediatr Radiol* 1987; 17: 151
- Stringer DA; Sherman PM; Jakowenko N: correlation of double-contrast high-density barium enema, colonoscopy, and histology in children with special attention to disparities, *Pediatr Radiol* 1986; 16: 298
- Stringer DA; Sherman PM; Liu P; et al: value of the peroral pneumocolon in children, *AJR* 1986; 146: 763
- Stringer DA; Sprigg A; Joudis E; et al: association of cystic fibrosis, gastroesophageal reflux, and reduced pulmonary function, *J Canad Assoc Radiol* 1988; 39: 100
- Stringer DA; Witzel MA: velopharyngeal insufficiency on videofluoroscopy: comparison of projections, *AJR* 1986; 146: 15
- Strobel B See Hennig J
- Strobel PF See May KJ Jr
- Strohbehn JW See Mechling JA
- Strom BL See Carson JL
- Strom BL See Shusterman N
- Strömberg T See Herrlin K
- Stronkski ME; Arias-Mendoza F; Alger JR; et al: hepatic gluconeogenesis from alanine: ^{13}C nuclear magnetic resonance methodology for *in vivo* studies, *Magn Res Med* 1986; 3: 24
- Stronell RD See Colapinto RF
- Strother CM See Gentry LR
- Strother CM See Graves VB
- Strother CM See Houghton VM
- Strother CM See Kikuchi Y
- Strother CM See Kilgore DP
- Strother CM See Malnor MD
- Strother CM See Smith HJ
- Strother CM See Turski FA
- Strother CM; Laravuso R; Rappe A; et al: glutaraldehyde cross-linked collagen (GAX): a new material for therapeutic embolization, *AJNR* 1987; 8: 509
- Strother L See Turski P
- Strother SC See Tysler JL
- Strubbe EH; Thijn CJF; Willemsen WNP; et al: evaluation of radiographic abnormalities of the hand in patients with the Mayer-Rokitansky-Kuster-Hauser syndrome, *Skeletal Radiol* 1987; 16: 227
- Strudwick J See Gamble JG
- Strugalska H See Otto TJ
- Struthers GR See Davies AM
- Struyven J See Delcour C
- Stryker JA See Schuster JJ
- Stryker JA; Bartholomew M: failure of lactose-restricted diets to prevent radiation-induced diarrhea in patients undergoing whole pelvis irradiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 789
- Stryker JM See Benacerraf BR
- Stuck KJ; Falahie MH; Brandon CJ: fracture of the polyethylene acetabular cup in total hip arthroplasties, *J Canad Assoc Radiol* 1988; 39: 65
- Stuck KJ; Jafri SZH; Adler DD; et al: ultrasound evaluation of uncommon renal transplant complications, *Urol Radiol* 1986; 6: 6
- Stuck KJ; White CM; Granke DS; et al: urinary obstruction in azotemic patients: detection by sonography, *AJR* 1987; 149: 1191
- Stuckey WJ See Abernathy D
- Stuckmann G See Franze I
- Stuckmann G See Schubiger O
- Stude RA; Hedlund LW; Johnson GA; et al: contrast enhancement of the liver: evaluation by automated contiguous pixel search, *Invest Radiol* 1987; 22: 132
- Studio JD See Demos TC
- Stulbaeg MS See Milligan SA
- Stunden RJ; LeQuessne GW; Little KET: improved ultrasound diagnosis of hypertrophic pyloric stenosis, *Pediatr Radiol* 1986; 16: 200
- Sturm V See Bauer-Kirpes B
- Sturm V; Kober B; Hoyer K-H; et al: stereotactic percutaneous single dose irradiation of brain metastases with a linear accelerator, *Int J Radiat Oncol Biol Phys* 1987; 13: 279
- Sturrock RD See Reglinski J
- Stutman J See Lufkin RB
- Sty JR See Chusid MJ
- Sty JR See Czarnecki DJ
- Sty JR See Gregg DC
- Sty JR See Lester RB III
- Sty JR See Schroeder BA
- Sty JR See Wells RG
- Sty JR; Krecak J; Gregg DC: bone scintigraphy: hypertrophic osteoarthropathy in biliary atresia, *Clin Nucl Med* 1987; 12: 657
- Sty JR; Wells RG: other abdominal and pelvic masses in children, *Semin Roentgenol* 1988; 23: 216
- Sty JR; Wells RG; Gregg DC; et al: gallium-67 imaging: cephalohematoma, *Clin Nucl Med* 1987; 12: 821
- Sty JR; Wells RG; Krecak J; et al: technetium-99m glucuheptonate imaging: meningococci, *Clin Nucl Med* 1988; 13: 57
- Sty JR; Wells RG; Schroeder BA: comparative imaging: bile-plug syndrome, *Clin Nucl Med* 1987; 12: 489
- Sty JR; Wells RG; Smith WB: child with acute leg pain, *Semin Nucl Med* 1988; 18: 137
- Sty JR; Wells RG; Starshak RJ; et al: imaging in acute renal infection in children, *AJR* 1987; 148: 471
- Styles P See Bore PJ
- Styles P See Taylor DJ
- Stylopoulos LA; George AE; de Leon MJ; et al: longitudinal CT study of parenchymal brain changes in glioma survivors, *AJNR* 1988; 9: 517
- Su C-T See Shou J-C
- Su I-J See Shou J-C
- Suarez F; Bernard O; Gauthier F; et al: biliary-pancreatic common channel in children: clinical, biological and radiological findings in 12 children, *Pediatr Radiol* 1987; 17: 206
- Suarez M See Barrio JL
- Subbarao K; Jacobson HG: amyloidosis and plasma cell dyscrasias of the musculoskeletal system, *Semin Roentgenol* 1986; 21: 139
- Subczynski WK; Lukiewicz S; Hyde JS: murine *in vivo* L-band ESR spin-label oximetry with a loop-gap resonator, *Magn Res Med* 1986; 3: 747
- Subramanian G See Grossman ZD
- Subramanian G See McAfee JG
- Subramanian G See Rosebrough SF
- Subramanian HV See Ligeti L
- Subramanian VH See Cerdan S
- Subramanian VH See Schnall MD
- Subramanyam B See Coady DJ
- Suchet I; Horwitz T; Kitay S; et al: predictive value of computed tomography and *Haemophilus influenzae* capsular antigen in subdural fluid collections, *Clin Radiol* 1988; 39: 265
- Suchy P See Chilcote WA
- Suda T See Matsubara S
- Sudanese A See Picci P
- Suddarth SA See McAdams HP
- Suehiro S See Kawashima A
- Suesada Y; Nakao N; Miura K; et al: pseudolymphoma of the retroperitoneum, *Eur J Radiol* 1987; 7: 144
- Suess C See Kalender WA
- Suess E See Podreka I
- Suffredini AF See Simmons JT
- Suffredini AF; Ognibene FF; Lack EE; et al: nonspecific interstitial pneumonitis: a common cause of pulmonary disease in the acquired immunodeficiency syndrome, (ab), *Radiology* 1988; 167: 586
- Sugama Y; Tamaki S; Kitamura S; et al: ultrasonographic evaluation of pleural and chest wall invasion of lung cancer, (ab), *Radiology* 1988; 168: 884
- Sugarbaker F See Carrasquillo JA
- Sugarbaker FH See Reising JW
- Sugihara H See Adachi H
- Sugimoto H See Lipchik EO
- Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M: bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, *Radiology* 1987; 165: 541
- Sugino Y See Momoshima S
- Sugioya Y See Ogata K
- Sugita S See Ohnishi K
- Sugita S See Sato S
- Sugura S See Tropp JS
- Suh JH See Park CH
- Suhaili AR See Abdel-Dayem HM
- Suich DM See Miller WC
- Suissa S See Freeman CR
- Suissa S See Rabinovitch M
- Suit H See Okunieff P
- Suit HD See Ramsay J
- Suit HD See Thames HD
- Suit HD See Wang CC
- Suit HD See Willett CG
- Suit HD; Becht J; Leung J; et al: potential for improvement in radiation therapy, *Int J Radiat Oncol Biol Phys* 1988; 14: 777
- Suit HD; Tepper JE: impact of improved local control on survival in patients with soft tissue sarcoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 699
- Suit HD; Westgate SJ: impact of improved local control on survival, *Int J Radiat Oncol Biol Phys* 1986; 12: 453
- Suker JR See Rogers LF
- Sukigara M; Koga K; Komazaki T; et al: clinical experience with intraoperative Doppler color flow imaging in hepatectomy, *JCU* 1987; 13: 9
- Sukigara M; Komazaki T; Koga K; et al: visualization of distal splenorenal shunt by isotopic splenovenography, *Clin Nucl Med* 1987; 12: 189
- Sukigara M; Komazaki T; Yamasaki T; et al: colour flow mapping of oesophagogastric varices and vessels in and around the liver with transoesophageal real-time two-dimensional Doppler ultrasound, *Clin Radiol* 1987; 38: 487
- Suktharuk R See Varney RA
- Sullender W See Noorbehti B
- Sullivan DC; Effmann EL; Chen JT: experience with an alternative curriculum, *Invest Radiol* 1987; 22: 246
- Sullivan JA; Harms SE: characterization of orbital lesions by surface coil MR imaging, *Radiographics* 1987; 7: 9

Sullivan

- Sullivan JA; Harms SE: surface-coil MR imaging of orbital neoplasms, *AJNR* 1986; 7: 29
- Sullivan KL; Karanick D: case report 397, *Skeletal Radiol* 1986; 15: 593
- Sullivan KL; Steiner RM; Smullen SN; et al: pseudoneurysm of the ascending aorta following cardiac surgery, (ab), *Radiology* 1988; 168: 886
- Sullivan P See Forrest TS
- Sullivan PJ See Burch WM
- Sullivan PJ See Wilson RA
- Sullivan RF; Madell SJ; Oates E; et al: case of biliary atresia and polysplenia: evaluation by hepatobiliary scintigraphy, *Clin Nucl Med* 1987; 12: 55
- Sullivan WT: extrapleural fat prolapse mimicking recurrent bronchogenic carcinoma, *CT* 1986; 10: 277
- Sullivan WT; Orzel JA; Reed KD; et al: abnormal lung and liver uptake of gallium-67 and technetium-99m MDP in hypercalcemia of lymphoma with metastatic pulmonary calcification, *Clin Nucl Med* 1986; 11: 545
- Sullivan WT; Solonick DM: case report 414, *Skeletal Radiol* 1987; 16: 166
- Sullivan-Halley JA See North LB
- Sulzer JL See Warshaw DM
- Sumanasekara SJ See Mustafa AA
- Sumers F See Huber DJ
- Sumers EH See Zonenblit G
- Sumers M See Gooding GAW
- Sumi SM See Larson EB
- Sumida M; Ohto M; Ebara M; et al: accuracy of angiography in the diagnosis of small hepatocellular carcinoma, *AJR* 1986; 147: 531
- Sumkin J See Solomon N
- Sumkin JH See Flint EW
- Sumkin JH See Tobben FJ
- Summers MN; Haley WE; Reveille JD; et al: radiographic assessment and psychologic variables as predictors of pain and functional impairment in osteoarthritis of the knee or hip, (ab), *Radiology* 1988; 169: 886
- Summers RM See Axel L
- Summers RM See Joseph PM
- Summers RM; Axel L; Israel S: computer simulation of nuclear magnetic resonance imaging, *Magn Res Med* 1986; 3: 363
- Summerville DA See Flynn BM
- Summerville DA; Marks M; Treves ST: hepatobiliary scintigraphy in arteriohepatic dysplasia (Alagille's syndrome): a report of two cases, *Pediatr Radiol* 1988; 18: 32
- Summerville DA; Packard AB; Bartynski BJ; et al: evaluation of the renal clearance of technetium-99m PAHIDA in dogs, *J Nucl Med* 1987; 28: 907
- Sumner T See Baker A
- Sumpio BE See Morse SS
- Sun JS See Lui B
- Sunami N See Yamamoto Y
- Sunaryo FP See Mahboubi S
- Sundaram M See Griffiths HJ
- Sundaram M See Heiberg E
- Sundaram M See Salimi Z
- Sundaram M See Sotelo-Avila C
- Sundaram M See Vas W
- Sundaram M; articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis, *Radiology* 1988; 166: 285
- Sundaram M; joints and vertebral connections, *Radiology* 1986; 160: 468
- Sundaram M: magnetic resonance in cancer, *Radiology* 1987; 162: 68
- Sundaram M: multiplanar CT of the spine, *Radiology* 1987; 164: 92
- Sundaram M; Awwad EE: magnetic resonance imaging of arachnoid cysts destroying the sacrum, *AJR* 1986; 146: 359
- Sundaram M; Duffrin H; McGuire MH: in vivo and in vitro demonstration of hemorrhage in soft tissue sarcoma, *Magn Res Imag* 1988; 6: 57
- Sundaram M; Duffrin H; McGuire MH; et al: synchronous multicentric desmoid tumors (aggressive fibromatosis) of the extremities, *Skeletal Radiol* 1988; 17: 16
- Sundaram M; Herbold DR; McGuire MH: case report 370, *Skeletal Radiol* 1986; 15: 338
- Sundaram M; McGuire MH; Fletcher J; et al: magnetic resonance imaging of lesions of synovial origin, *Skeletal Radiol* 1988; 17: 110
- Sundaram M; McGuire MH; Herbold DR; et al: high signal intensity soft tissue masses on T1 weighted pulsing sequences, *Skeletal Radiol* 1987; 16: 30
- Sundaram M; McGuire MH; Herbold DR: magnetic resonance imaging of osteosarcoma, *Skeletal Radiol* 1987; 16: 23
- Sundaram M; McGuire MH; Herbold DR: magnetic resonance imaging of soft tissue masses: an evaluation of fifty-three histologically proven tumors, *Magn Res Imag* 1988; 6: 237
- Sundaram M; McGuire MH; Nannheim K; et al: case report 467, *Skeletal Radiol* 1988; 17: 136
- Sundaram M; McGuire MH; Schajowicz F: soft-tissue masses: histologic basis for decreased signal (short T2) on T2-weighted MR images, *AJR* 1987; 148: 1247
- Sundaram M; Seelig R; Pohl D: vertebral erosions in patients undergoing maintenance hemodialysis for chronic renal failure, *AJR* 1987; 149: 323
- Sundaresan N See Huvos AG
- Sundberg G See Larson E-M
- Sundberg R See Bergqvist L
- Sunde LM See Dagaard S
- Sunderam G See Bisburg E
- Sunderland JS See Lagreze HL
- Sundkvist G See Borgstrom PS
- Sundrehagen E; Bengtsson A-M; Bremer PO; et al: new method for granulocyte labeling with technetium-99m: preliminary results in abscess detection, *J Nucl Med* 1986; 27: 555
- Sundsten JW See Stimek GK
- Sundt TM Jr See Meyer FB
- Sung J-I See Shen J-C
- Sung KB See Park JH
- Sungur R See Gurses N
- Sunter JP See Stark AM
- Suntharalingam N See Palta JR
- Suntharalingam N; Johansson K-A: quality assurance/physics/dosimetry, *Int J Radiat Oncol Biol Phys* 1988; 14: 521
- Sunwoo YC See Yoo RE
- Suonajen J; Wang A-M; Winston KR: Pantopaque mimicking spinal lipoma: MR pitfall, *JCAT* 1988; 12: 346
- Suoranta H See Leirisalo-Repo M
- Suoranta HT See Aronen HJ
- Suramo I See Paivansalo M
- Surapenini R See Hulnick DH
- Suresh MR See Boniface GR
- Surh Y; Spencer RF; Spitznagel LA; et al: technetium-99m-labeled phosphonic acid analog of serine: bone uptake, *J Nucl Med* 1986; 27: 847
- Surprenant EL: transthoracic needle aspiration biopsy: evaluation of the blood patch technique, *Radiology* 1988; 168: 285
- Surveyor I See Marshall BJ
- Susaengrat W See Dhienisiri T
- Susa RA See Schaefer SD
- Susa RA; Maravilla KR; Thompson J: MR imaging of intracranial cysticercosis: comparison with CT and anatomopathologic features, *AJNR* 1986; 7: 235
- Susa RA; Resta S; Diehl JT: persistent cortical enhancement in tuberculous meningitis, *AJNR* 1987; 8: 716
- Susset JG See Malhotra CM
- Sussman MD See Alford BA
- Sussman MH; Horowitz SF; Navarro JL; et al: abnormalities of the ascending aorta detected by gated blood pool imaging, *Clin Nucl Med* 1986; 11: 198
- Sussman S See Austin RM
- Sussman SK See Cohen RH
- Sussman SK See Newman GE
- Sussman SK See Saeed M
- Sussman SK See Spritzer CE
- Sussman SK; Baker ME; Saeed M; et al: polar infarct in a transplanted kidney: cause of a pseudomass, *Urol Radiol* 1987; 9: 42
- Sussman SK; Braun SD; Perlmutt LM; et al: digital indirect portography, *AJR* 1986; 147: 39
- Sussman SK; Chiles C; Cooper C; et al: CT demonstration of myocardial perforation by a pacemaker lead, *JCAT* 1986; 10: 670
- Sussman SK; Dunnick NR; Silverman PM; et al: carcinoma of the seminal vesicle: CT appearance, *JCAT* 1986; 10: 519
- Sussman SK; Gallman WH; Cohen RH; et al: CT findings in xanthogranulomatous pyelonephritis with coexistent renocolic fistula, *JCAT* 1987; 11: 1088
- Sussman SK; Goldberg RP; Griscorn NT: milk-of-calcium hydronephrosis in patients with paraplegia and urinary-enteric diversion: CT demonstration, *JCAT* 1986; 10: 257
- Sussman SK; Hall FM; Elboim CM: radiographic assessment of anomalous bile ducts, *Gastrointest Radiol* 1986; 11: 269
- Sussman SK; Halvorsen RA Jr; Illescas FF; Cohen RH; Saeed M; Silverman PM; Thompson WM; Meyers WC: gastric adenocarcinoma: CT versus surgical staging, *Radiology* 1988; 167: 335
- Sussman SK; Halvorsen RA Jr; Silverman PM; et al: paracardiac adenopathy: CT evaluation, *AJR* 1987; 149: 29
- Sussman SK; Illescas FF; Woodruff WW III; et al: Angeliak antireflux device: computed tomography appearance, *CT* 1987; 11: 212
- Sussman SK; Oke EJ; Perlmutt LM; et al: shearing of percutaneous nephrostomy catheter during indwelling urethral stent placement, *AJR* 1986; 147: 832
- Sussman SK; Silverman PM; Donnal JF: CT demonstration of isolated mediastinal goiter, *JCAT* 1986; 10: 863
- Sussman SK; Weinerth JL; Braun SD; et al: intravenous digital subtraction angiography in the evaluation of potential renal donors, (ab), *Radiology* 1988; 166: 587
- Suster B; Akerman M; Orenstein M; Wax MR: pulmonary manifestations of AIDS: review of 106 episodes, *Radiology* 1986; 161: 87
- Sutcliffe SB See Poon PY
- Suter M See Kozlowski K
- Sutherland CM See Schoenberger SG
- Sutherland DER See Hanto DW
- Sutherland DER See Letourneau JG
- Sutherland HW See Smith FW
- Sutherland LK See Bassett LW
- Sutherland PM See West CML
- Sutherland R See Ling LL
- Sutherland R; Freyer J; Mueller-Klieser W; et al: cellular growth and metabolic adaptations to nutrient stress environments in tumor microregions, *Int J Radiat Oncol Biol Phys* 1986; 12: 611
- Sutherland RM See Degner FL
- Sutherland RM See Heacock CS
- Sutherland RM See Luk CK
- Sutherland JR See Richmond DH
- Sutphen JL See McIlhenny J
- Sutton CS; Haaga JR: CT evaluation of limited splenic trauma, *JCAT* 1987; 11: 167
- Sutton CS; Oke T; Harasaki H; et al: titanium-nickel intravascular endoprosthesis: a 2-year study in dogs, *AJR* 1988; 151: 597
- Sutton GP See Calkins AR
- Sutton GP See Reddy S
- Sutton PP See Agnew JE
- Sutton RT; Reading CC; Charboneau JW; James EM; Grant CS; Hay ID: US-guided biopsy of neck masses in postoperative management of patients with thyroid cancer, *Radiology* 1988; 168: 769
- Suy R See Van Poppel H
- Suyama M See Ariyama J
- Suzuki E See Seo Y
- Suzuki F See Handa J
- Suzuki K See Shinotoh H
- Suzuki M See Matsui O
- Suzuki M; Takashima T; Funaki H; et al: radiologic imaging of herniation of the small bowel through a defect in the broad ligament, *Gastrointest Radiol* 1986; 11: 102
- Suzuki S See Horiuchi I
- Suzuki S See Karasawa H
- Suzuki S See Katagiri M
- Suzuki S; Takizawa K; Nakajima Y; et al: CT findings in hepatic and splenic amyloidosis, *JCAT* 1986; 10: 332
- Suzuki T See Hosoya T
- Suzuki T See Imamura M
- Suzuki T; Shibuya H; Yoshimatsu S; et al: ultrasonically guided staging splenic tissue core biopsy in patients with non-Hodgkin's lymphoma, (ab), *Radiology* 1988; 166: 585
- Suzuki T; Yasumoto M; Shibuya H; et al: sonography of cyclophosphamide hemorrhagic cystitis: a report of two cases, *JCU* 1988; 16: 183
- Suzuki Y See Tropp JS
- Suzuki Y: quantitation of right-to-left shunt ratio in patients with pulmonary telangiectasia by technetium-99m MAA lung perfusion imaging, *Clin Nucl Med* 1986; 11: 84
- Suzuki Y: ventilation/perfusion mismatch of one lung in a patient with Takayasu's arteritis, *Clin Nucl Med* 1986; 11: 733
- Svahn G See Kehler M
- Svalenius E See Jorgensen C
- Svanholm H See Rodenberg JC
- Svensen J See Skjoldt T
- Svensen JH See Kelbaek H
- Svensen P See Berthelsen B
- Svensson GK See Chin LM
- Svensson SA See Westesson P-L
- Svensson WE: simple air mattress for use during prolonged radiological procedures, *Br J Radiol* 1988; 61: 691
- Svensson WE: zygomatic arch simulating a fluid level in the sphenoid sinus, *Br J Radiol* 1988; 61: 518
- Svivals PJ; McLean GK; Davis JE; Meranze SG; Burke DR: transient hypertension after percutaneous transluminal renal artery angioplasty, *Radiology* 1986; 161: 293
- Swann C See Oestmann JW
- Swann CA See Kopans DB
- Swann CA; Kopans DB; Koerner FC; et al: halo sign and malignant breast lesions, *AJR* 1987; 149: 1145
- Swann CA; Kopans DB; McCarthy KA; et al: mammographic density and physical assessment of the breast, *AJR* 1987; 148: 525
- Swann CA; Kopans DB; McCarthy KA; White G; Hall DA: localization of occult breast lesions: practical solutions to problems of triangulation, *Radiology* 1987; 163: 577
- Swanson D; Blecker I; Gahbauer H; et al: diagnosis of discitis by SPECT technetium-99m MDP scintigram: case report, *Clin Nucl Med* 1987; 12: 210

- Swanson DK; Myerowitz PD; Hegge JO; Watson KM: arterial blood-flow waveform measurement in intact animals: new digital radiographic technique, *Radiology* 1986; 161: 323
- Swanson DP See Monsein LH
- Swanson RA See Monsein MLR
- Swanson S See de Lange EE
- Swankowski TM See Mauro MA
- Swartz DA; McLellan GL; Mitchum D; et al: selective renal embolization for hematuria: coordination with cystoscopy, *AJR* 1988; 150: 325
- Swartz HM See Bennett HF
- Swartz HM See Pals MA
- Swartz HM; Chen K; Pals M; et al: hypoxia-sensitive NMR contrast agents, *Magn Res Med* 1986; 3: 169
- Swartz JD; Berger AS; Zwillenberg S; Granoff DW; Popky GL: synthetic ossicular replacements: normal and abnormal CT appearance, *Radiology* 1987; 163: 766
- Swartz JD; Berger AS; Zwillenberg S; Popky GL: ossicular erosions in the dry ear: CT diagnosis, *Radiology* 1987; 163: 763
- Swartz JD; Glazer AU; Faerber EN; Capitano MA; Popky GL: congenital middle-ear deafness: CT study, *Radiology* 1986; 159: 187
- Swartz JD; Lamsan AK; Berger AS; Wolfson RJ; Bell G; Popky GL; Swartz NG: stapes prosthesis: evaluation with CT, *Radiology* 1986; 158: 179
- Swartz JD; Nunnally JF; Marlowe FI; et al: computed tomography for parotid neoplasia: a new look, *CT* 1987; 11: 239
- Swartz JD; Syer A; Brown LW; et al: computed tomography in global cerebral cortical ischemia of the neonate and young infant, *CT* 1986; 10: 243
- Swartz JD; Swartz NG; Korsvik H; et al: computerized tomographic evaluation of the middle ear and mastoid for posttraumatic hearing loss, (ab), *Radiology* 1986; 159: 287
- Swartz JD; Vanderslice R; Hendler BH; et al: high-resolution computed tomography: part 5, evaluation of the temporomandibular joint, (ab), *Radiology* 1986; 159: 823
- Swartz MN See Southwick FS
- Swartz NG See Swartz JD
- Swash M See Thompson AJ
- Swayne LC See Bajakian RL
- Swayne LC See Ginsberg HN
- Swayne LC See Rapoport GM
- Swayne LC See Rubenstein JB
- Swayne LC: acute acalculous cholecystitis: sensitivity in detection using technetium-99m iminodiacetic acid cholescintigraphy, *Radiology* 1986; 160: 33
- Swayne LC: bone scan detection of renal vein thrombosis secondary to hypernephroma, *Clin Nucl Med* 1986; 11: 133
- Swayne LC; Ginsberg HN; Ginsburg A: pneumoretroperitoneum secondary to hydrogen peroxide wound irrigations, *AJR* 1987; 148: 149
- Swayne LC; Heitner D; Rubenstein JB; et al: differential gallbladder contractility in fundal adenomyomatosis: demonstration by cholecystokinetic cholescintigraphy, *J Nucl Med* 1987; 28: 1771
- Swayne LC; Kolt J: erythromycin hepatotoxicity: rare cause of a false-positive technetium-99m DISIDA study, *Clin Nucl Med* 1986; 11: 10
- Swayne LC; Rubenstein JB; Mitchell R; Mayer-Rokitansky-Kuster-Hauser syndrome: sonographic aid to diagnosis, *J Ultrasound Med* 1986; 5: 287
- Swayne LC; Samach M: serendipitous detection of a Mallory-Weiss tear on hepatic imaging, *Clin Nucl Med* 1986; 11: 597
- Swee RG See Brown ML
- Swee RG See Glavold JJ
- Swee RG See Kriegshauser JS
- Swee RG See Lin J
- Sweeney JK See Faulkner K
- Sweeney JP; Helms CA; Minagi H; et al: widened teardrop distance: a plain film indicator of hip joint effusion in adults, *AJR* 1987; 149: 117
- Sweeney LE; Gordon E: miserable child with an abdominal mass—and more, *Br J Radiol* 1986; 59: 707
- Sweeney LE; Thomas PS: contrast examination of cerebrospinal fluid shunt malfunction in infancy and childhood, *Pediatr Radiol* 1987; 17: 177
- Sweet DE See Moser RP Jr
- Sweet MBE See Schnitzler CM
- Sweetland J; Kertesz A; Prato FS; et al: effect of magnetic resonance imaging on human cognition, *Magn Res Imag* 1987; 5: 129
- Swenson MR See Feinberg WM
- Swenson MR See Rothrock JF
- Swenson RG See Seltzer SE
- Swenson RG: effects of clinical information on film interpretation: another perspective, *Invest Radiol* 1988; 23: 56
- Swerdlow M See Frager D
- Swett HA; Miller FL: ICON: computer-based approach to differential diagnosis in radiology, *Radiology* 1987; 163: 555
- Swigart SA; Gould KA: preprocedure sedation in children: a review, (ab), *Radiology* 1988; 167: 592
- Swinburne AJ; Fedullo AJ; Wahl GW; et al: histioplasmoma, pleural fibrosis, and slowly enlarging pleural effusion in an asymptomatic patient, (ab), *Radiology* 1987; 164: 882
- Swinsky D See McKinstry CS
- Swinsky MH: 1985 year book of diagnostic radiology, *Radiology* 1986; 160: 72
- Swischuk LE See Fawcett HD
- Swischuk LE See Hayden CK Jr
- Swischuk LE; Fawcett HD; Hayden CK Jr; Isenberg JN: gastroesophageal reflux: how much imaging is required?, *Radiographics* 1988; 8: 1137
- Swischuk LE; Hayden CK Jr: viral vs. bacterial pulmonary infections in children (is roentgenographic differentiation possible?), *Pediatr Radiol* 1986; 16: 278
- Swoboda W; Grill F: osteoporosis pseudoglioma syndrome. Update and report on two affected siblings, *Pediatr Radiol* 1988; 18: 399
- Swobodnik WL; Spohna BE; Wechsler JG; et al: real-time ultrasound evaluation of renal transplant failure during the early postoperative period, *Ultrasound Med Biol* 1986; 12: 97
- Swynnerton NF; Huell BK; Mangold DJ: method for the combined measurement of ethiofos and WR-1065 in plasma: application to pharmacokinetic experiments with ethiofos and its metabolites, *Int J Radiat Oncol Biol Phys* 1986; 12: 1495
- Sy WM; See IS: radionuclide venography: imaging monitor in deep-vein thrombosis of the pelvis and lower extremities, *Br J Radiol* 1986; 59: 325
- Syfers RG See Shuford WA
- Syed AMN See Puthawala AA
- Sykes MW See Cossi AF
- Sylvester JE; Greenberg P; Selch MT; et al: use of postoperative irradiation for the prevention of heterotopic bone formation after total hip replacement, *Int J Radiat Oncol Biol Phys* 1988; 14: 471
- Sylvester J See Duprat G Jr
- Symmonds RE See Lee RA
- Symmonds RE Jr; Roberts JW: management of nonpalpable breast abnormalities, (ab), *Radiology* 1987; 165: 883
- Symonds RP See MacNaught R
- Symonds RP; Habeshaw T; Watson ER; et al: combination chemotherapy prior to radical radiotherapy for stage III and IV carcinoma of the cervix, *Clin Radiol* 1987; 38: 273
- Synnes EI See Flanagan RJ
- Syrjala MT; Liewendahl K; Valtonen V; et al: sensitivity of ¹¹¹In-granulocyte scintigraphy in various local infections, *Acta Radiol* 1987; 28: 549
- Syrjala MT; Valtonen V; Liewendahl K; et al: diagnostic significance of indium-111 granulocyte scintigraphy in febrile patients, *J Nucl Med* 1987; 28: 155
- Syrota A See Jehenson P
- Szabó E See Kocsis J
- Szalay EA See Heller RM
- Szasz JJ; Lepawsky M: demonstration of pulmonary barotrauma on lung imaging, *Clin Nucl Med* 1986; 11: 371
- Szasz JJ; Nagy A: scintigraphic demonstration of viable splenic autotransplant, *Clin Nucl Med* 1986; 11: 209
- Szasz KF See Hawkins TD
- Sze G See Krol G
- Sze G See Kucharczyk W
- Sze G; gadolinium-DTPA in spinal disease, *Radiol Clin North Am* 1988; 26: 1005
- Sze G; Abramson A; Krol G; et al: gadolinium-DTPA in the evaluation of intradural extramedullary spinal disease, *AJNR* 1988; 9: 153
- Sze G; Brant-Zawadzki MN; Norman D; et al: neuroradiology of AIDS, *Semin Roentgenol* 1987; 22: 42
- Sze G; Brant-Zawadzki M; Wilson CK; Norman D; Newton TH: pseudotumor of the craniocervical junction associated with chronic subluxation: MR imaging studies, *Radiology* 1986; 161: 391
- Sze G; De Armond SJ; Brant-Zawadzki M; et al: foci of MRI signal (pseudo lesions) anterior to the frontal horns: histologic correlations of a normal finding, *AJNR* 1986; 7: 381
- Sze G; Krol G; Olsen WL; et al: hemorrhagic neoplasms: MR mimics of occult vascular malformations, *AJNR* 1987; 8: 795
- Sze G; Krol G; Olsen WL; et al: hemorrhagic neoplasms: MR mimics of occult vascular malformations, *AJR* 1987; 149: 1223
- Sze G; Krol G; Zimmerman RD; et al: intramedullary disease of the spine: diagnosis using gadolinium-DTPA-enhanced MR imaging, *AJNR* 1988; 9: 847
- Sze G; Krol G; Zimmerman RD; Deck MDF: malignant extradural spinal tumors: MR imaging with Gd-DTPA, *Radiology* 1988; 167: 217
- Sze G; Shih J; Krol G; Johnson C; Lin D; Deck MDF: intraparenchymal brain metastases: MR imaging versus contrast-enhanced CT, *Radiology* 1988; 168: 187
- Sze G; Simmons R; Krol G; et al: dural sinus thrombosis: verification with spin-echo techniques, *AJNR* 1988; 9: 679
- Sze G; Ulichanc L III; Brant-Zawadzki MN; Davis RL; Gutin PH; Wilson CB; Norman D; Newton TH: chordomas: MR imaging, *Radiology* 1988; 168: 187
- Sze G; Zimmerman RD: magnetic resonance imaging of infections and inflammatory diseases, *Radiol Clin North Am* 1988; 26: 839
- Szechenyi E See LePage JR
- Szeifert G See Toth Z
- Székely I See Göblyös P
- Szekeasy T; Pochhammer K-F: diurnal sonographic imaging of the pancreas, (ab), *Radiology* 1986; 158: 567
- Szentirmay Z See Fodor J
- Szeverenyi NM; Haacke EM: applications of multiple quantum coherence to MR imaging, *JCAT* 1986; 10: 484
- Sziklas JJ See Ginsberg F
- Sziklas JJ See Mack JM
- Sziklas JJ See Yousufi Z
- Szilagyi A; Stern J; Armanious S; et al: gastroparesis secondary to a medulloblastoma of the posterior fossa, *Clin Nucl Med* 1987; 12: 864
- Szpak CA See Johnston WW
- Szpak CA; Johnston WW; Roggli V; et al: diagnostic distinction between malignant mesothelioma of the pleura and adenocarcinoma of the lung as defined by a monoclonal antibody (B7.3), (ab), *Radiology* 1986; 160: 571
- Szpanar WE; Stoffler SS; DiGiulio W: clinical evaluation of a thyroxine binding globulin assay in calculating a free thyroxine index in normal, thyroid disease, and sick euthyroid patients, *J Nucl Med* 1987; 28: 1341
- Szűle E Jr See Göblyös P
- Szumowski J See Hardy CJ
- Szumowski J See Hornak JP
- Szumowski J See Simon J
- Szumowski J; Plawen DB: separation of lipid and water MR imaging signals by chopper averaging in the time domain, *Radiology* 1987; 165: 247
- Szwarz IA; Carrasco CH; Wallace S; et al: radiopaque suspension of polyvinyl alcohol foam for embolization, *AJR* 1986; 146: 591
- Szypryt P; Twining P; Preston BJ; et al: synovial chondromatosis of the hip joint presenting as a pathological fracture, *Br J Radiol* 1986; 59: 399

T

- Taagehøj-Jensen F See Poulsen EU
- Taavitsainen M; Koivuniemi A; Bondestam S; et al: ultrasonically guided fine-needle aspiration biopsy in focal pancreatic lesions, *Acta Radiol* 1987; 28: 541
- Taavitsainen M; Koivuniemi A; Helminen J; et al: aspiration biopsy of the spleen in patients with sarcoidosis, *Acta Radiol* 1987; 28: 723
- Tabir L; Dean PB: control of breast cancer through mammography screening: what is the evidence?, *Radiol Clin North Am* 1987; 25: 993
- Tabas JH See Rothfus WE
- Tabas JH; Daffner RH; Hartsock RJ; et al: case report 387, *Skeletal Radiol* 1986; 15: 499
- Tabas JH; Deeb ZL: diagnosis of sacral perineural cysts by computed tomography, *CT* 1986; 10: 255
- Taber KH See Hayman LA
- Taber KH See LeBlanc AD
- Tabibian N; Reynolds D: serum bile acid determination for assessing patency of portosystemic shunts: lack of value, (ab), *Radiology* 1987; 163: 295
- Tabuchi K See Kawakami Y
- Tabuchi T See Inoue Y
- Tack ED See Katz ME
- Tackett RE; Ling D; Catalona WJ; et al: high resolution sonography in diagnosing testicular neoplasms: clinical significance of false positive scans, (ab), *Radiology* 1986; 160: 858
- Tacnis WK: osteosarcoma in fibrous dysplasia, *Skeletal Radiol* 1988; 17: 163

Taconis

- Taconis WK; van Rijssel TG: fibrosarcoma of the jaws. *Skeletal Radiol* 1986; 15: 10
- Taczanowski P See Osbakken MD
- Tada S See Miyamoto Y
- Tada S See Yamada T
- Tadie M See Thibout J
- Tadmor R See Meizner I
- Tadros S See Seals AA
- Taets van Amerongen AHM See Van Zanten TEG
- Taets van Amerongen AHM See van Zanten TEG
- Taets van Amerongen AHM; Golding RP; Veerman AJP: hypertrophic osteoarthropathy in a young child with cytomegalovirus pneumonia and the bare lymphocyte syndrome. *Pediatr Radiol* 1986; 16: 257
- Taets van Amerongen AHM; Kaiser MC; de Waal FC: metastatic Ewing's sarcoma to the skull: CNS involvement excluded by MRI. *Pediatr Radiol* 1987; 17: 242
- Taguchi T; Ikeda K; Kume K; et al: isolated unilateral absence of left pulmonary artery with peribronchial arteriovenous malformation showing recurrent hemoptysis. *Pediatr Radiol* 1987; 17: 316
- Taguchi T; Ikeda K; Yakabe S; et al: percutaneous drainage for post-traumatic hepatic abscess in children under ultrasound imaging. *Pediatr Radiol* 1988; 18: 85
- Tague DF See Curry NS
- Taha AM See Zeiss J
- Tahmouresi CN See Mafee MF
- Tai TH See Teo P
- Tailfefer R See Lafamme L
- Tailfefer R; Beauchamp G; Duranceau AC; et al: nuclear medicine and esophageal surgery. *Clin Nucl Med* 1986; 11: 445
- Tailfefer R; Beauchamp G; Leveille J: comparative evaluation of technetium-99m glucoheptonate and gallium-67 citrate thoracic imaging in detection of mediastinal and hilar involvement in primary lung cancer. *Clin Nucl Med* 1986; 11: 15
- Tailfefer R; Douesnard J-M; Beauchamp G; et al: comparison of technetium-99m sulfur colloid and technetium-99m albumin colloid labeled solid meals for gastric emptying studies. *Clin Nucl Med* 1987; 12: 597
- Taira RK See Lo S-CB
- Taira RK See Mankovich NJ
- Taira RK; Mankovich NJ; Boechat MJ; et al: design and implementation of a picture archiving and communication system for pediatric radiology. *AJR* 1988; 150: 1117
- Taira RT See Kangaroo H
- Tait NP; Hacking PM; Malcolm AJ: malignant fibrous histiocytoma occurring at the site of a previous total hip replacement. *Br J Radiol* 1988; 61: 73
- Tajahmady T See Tournade A
- Takada C See Yasunaga T
- Takada T; Yasuda H; Uchiyama K; et al: ultrasonic diagnosis of acute appendicitis complicated by paralytic ileus and generalized peritonitis. *JCU* 1988; 16: 123
- Takahashi H See Kim P
- Takahashi H See Nakao N
- Takahashi I; Nagai T; Miyaishi K; et al: clinical study of the radioprotective effects on Amifostine (YM-08310, WR-2721) on chronic radiation injury. *Int J Radiat Oncol Biol Phys* 1986; 12: 935
- Takahashi K See Takata K
- Takahashi M See Higashida Y
- Takahashi M See Hiraoka M
- Takahashi M See Kurogi Y
- Takahashi M See Miki Y
- Takahashi M See Nakagawa N
- Takahashi M See Sadotoh N
- Takahashi M See Takaki Y
- Takahashi M See Takehara Y
- Takahashi M See Yamashita Y
- Takahashi M See Yasunaga T
- Takahashi M; Bussaka H; Miyawaki M: stereoscopic DSA of the central nervous system. *Neuroradiol* 1986; 28: 105
- Takahashi M; Fukui K; Ueno S; et al: biplane digital subtraction angiography. *Comput Radiol* 1986; 4: 221
- Takahashi M; Fukui K; Ueno S; et al: high resolution DSA: experimental and clinical evaluation. *Comput Radiol* 1986; 4: 213
- Takahashi M; Miyawaki M; Bussaka H: development of a new universal neuroangiographic unit. *Neuroradiol* 1986; 28: 351
- Takahashi M; Sakamoto Y; Miyawaki M; et al: increased MR signal intensity secondary to chronic cervical cord compression. *Neuroradiol* 1987; 29: 550
- Takahashi M; Sakamoto Y; Miyawaki M; et al: MR visualization and clinical significance of the anterior longitudinal epidural venous plexus in cervical extra-axial lesions. *Comput Med Imag Graph* 1988; 12: 169
- Takahashi M; Sato N; Fukui K; et al: hybrid digital subtraction angiography: initial clinical experience. *Comput Radiol* 1986; 4: 147
- Takahashi M; Tsuchigame T; Tomiguchi S; et al: determination of left ventricular volumes with use of DSA density values. *Comput Radiol* 1986; 10: 1
- Takai M; Blattmann H; Pedroni E: intercomparison of two dynamic treatment techniques, ring scan and spot scan, for head and neck tumors with the Plotron. *Int J Radiat Oncol Biol Phys* 1988; 14: 1025
- Takaki Y; Takahashi M; Ueno S; et al: radiologic demonstration of Caroli's disease: case report. *CT* 1986; 10: 153
- Takakuwa H See Kudo M
- Takamiya O See Hata K
- Takashima S See Ikezoe J
- Takashima S See Kawahara H
- Takashima S See Koeda T
- Takashima S See Nishimura M
- Takashima S; Ikezoe J; Morimoto S; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T: primary thyroid lymphoma: evaluation with CT. *Radiology* 1988; 168: 765
- Takashima T See Arai K
- Takashima T See Kitagawa K
- Takashima T See Kobayashi A
- Takashima T See Matsui O
- Takashima T See Suzuki M
- Takashima T See Yoshikawa J
- Takasu K See Aoki J
- Takasugi JE See Godwin JD
- Takasugi JE; Godwin JD; Chen JTT: CT in congenitally-corrected transposition of the great vessels. *Comput Radiol* 1987; 11: 215
- Takata K; Inoue S-I; Takahashi K; et al: fracture of the posterior margin of a lumbar vertebral body. (ab). *Radiology* 1988; 169: 293
- Takayama S-I See Hoshino T
- Takayama T; Kato K; Sano H; et al: spontaneous rupture of a pancreatic pseudocyst into the portal venous system. *AJR* 1986; 147: 935
- Takayasu K See Muramatsu Y
- Takayasu K; Moriyama N; Shima Y; et al: atypical radiographic findings in hepatic cavernous hemangioma: correlation with histologic features. *AJR* 1986; 146: 1149
- Takayasu K; Muramatsu Y; Moriyama N; et al: imaging diagnosis of bile duct cystadenocarcinoma. (ab). *Radiology* 1988; 169: 287
- Takayasu K; Muramatsu Y; Moriyama N; Ohtsu T; Catapia FC: plastic-coated guide wire for hepatic arteriography. *Radiology* 1988; 166: 545
- Takayasu K; Muramatsu Y; Shima Y; Moriyama N; Yamada T; Makuuchi M: hepatic lobar atrophy following obstruction of the ipsilateral portal vein from hilar cholangiocarcinoma. *Radiology* 1986; 160: 389
- Takayasu K; Shima Y; Muramatsu Y; et al: angiography of small hepatocellular carcinomas: analysis of 105 resected tumors. *AJR* 1986; 147: 525
- Takayasu K; Shima Y; Muramatsu Y; Moriyama N; Yamada T; Makuuchi M; Hasegawa H; Hirohashi S: hepatocellular carcinoma: treatment with intraarterial iodized oil with and without chemotherapeutic agents. *Radiology* 1987; 163: 345
- Takebayashi S; Hosaka M; Ishizuka E; et al: arteriovenous malformations of the kidneys: ablation with alcohol. *AJR* 1988; 150: 587
- Takebayashi S; Matsui K; Onohara Y; et al: sonography for early diagnosis of enlarged parathyroid glands in patients with secondary hyperparathyroidism. *AJR* 1987; 148: 911
- Takeda H See Miyake H
- Takeda J See Machi J
- Takeda K See Sakuma H
- Takeda T; Ido K; Yuasa Y; et al: intraarterial digital subtraction angiography with carbon dioxide: superior detectability of arteriovenous shunting. *Cardiovasc Intervent Radiol* 1988; 11: 101
- Takehara T See Kashiwagi T
- Takehara Y; Takahashi M; Fukaya T; et al: computed tomography of isolated dissecting aneurysm of superior mesenteric artery. *JCAT* 1988; 12: 678
- Takemoto K See Inoue Y
- Takemoto K; Matsumura Y; Hashimoto H; et al: MR imaging of intraspinal tumors—capability in histological differentiation and compartmentalization of extramedullary tumors. *Neuroradiol* 1988; 30: 303
- Takenaka E See Furu S
- Takenaka H See Nakao K
- Takeshima T See Ohara K
- Takeshita I See Soejima T
- Takeuchi S See Yamaguchi M
- Takeuchi S; Kikuchi H; Karasawa J; et al: cerebral hemodynamics in arteriovenous malformations: evaluation by single-photon emission CT. *AJNR* 1987; 8: 193
- Taki J; Tonami N; Aburano T; et al: detection of urinary extravasation by delayed technetium-99m DTPA renal imaging. *Clin Nucl Med* 1986; 11: 583
- Taki N See Kozlowski K
- Takiguchi S See Koga A
- Takizawa K See Suzuki S
- Takvorian T See Kaplan WD
- Tal I See Miron D
- Tal Y See Lanir A
- Talamo TS See Ruben FL
- Talbot AR; Barnes MR; Ting RS: early radiotherapy in the treatment of paraquat poisoning. *Br J Radiol* 1988; 61: 405
- Talbot CW See Bauer BS
- Talbot JM See Brummert RE
- Talbot SR: B-mode evaluation of peripheral veins. *Semin US CT MR* 1988; 9: 295
- Talenti E See Perale R
- Talle K See Sager EM
- Tallents RH See Katzberg RW
- Tallents RH See Westesson P-L
- Talley MA; Nguyen DL; Leonard JC: hepatic hemangioma: diagnosis by emission computed tomography. *Clin Nucl Med* 1986; 11: 49
- Tallroth K; Lindholm TS: stress radiographs in the evaluation of degenerative femorotibial joint disease. *Skeletal Radiol* 1987; 16: 617
- Tally FP See Bartlett JG
- Talner LB See Dillard JP
- Talner LB See Lasser EC
- Talner LB: routine urography in men with prostatitis. *AJR* 1986; 147: 960
- Talton DA See Goldwasser SM
- Talwar I See Parikh VF
- Tam PK-H See Chan F-L
- Tam PKH; Chan FL; Saing H: diagnosis and evaluation of esophageal atresia by direct sagittal CT. *Pediatr Radiol* 1987; 17: 68
- Tamada T See Moriyama N
- Tamaki N See Gill JB
- Tamaki N See Hayashi N
- Tamaki N See Senda M
- Tamaki N; Yonekura Y; Senda M; et al: value and limitation of stress thallium-201 single photon emission computed tomography: comparison with nitrogen-13 ammonia positron tomography. *J Nucl Med* 1988; 29: 1181
- Tamaki S See Matsuda T
- Tamaki S See Sugaya Y
- Tamarkin M See Strauss S
- Tamas DE; Mahony BS; Bowie JD; et al: prenatal sonographic diagnosis of hemifacial microsomia (Goldenhar-Gorlin syndrome). *J Ultrasound Med* 1986; 5: 461
- Tamburrini O; Bartolomeo-De Iuri A; Di Guglielmo GL: chondrodysplasia punctata after warfarin: case report with 18-month follow-up. *Pediatr Radiol* 1987; 17: 323
- Tamburrini O; Bartolomeo-De Iuri A; Palescandolo P; et al: Hirschsprung's disease and asymptomatic malrotation: rare association. *Pediatr Radiol* 1986; 16: 250
- Taminiau AHM See Bloem JL
- Tamir A See Bistrizter T
- Tampieri D; Pokrupa R; Melanson D; et al: primary ectopic meningioma of the neck: MR features. *JCAT* 1987; 11: 1054
- Tamraz JC; Iba-Zizen MT; Veres C; et al: MRI in the central form of neurofibromatosis: 20 patients. *J Neuroradiol* 1987; 14: 365
- Tamura K See Kusuda S
- Tamura K; Nakajima N; Makino S; et al: primary pulmonary amyloidosis with multiple nodules. *Eur J Radiol* 1988; 8: 128
- Tamura RK See MacGregor SN
- Tamura S See Hasuo K
- Tan CS See Buxton RC
- Tan CT; Kuan BB: cryptococcus meningitis, clinical - CT scan considerations. *Neuroradiol* 1987; 29: 43
- Tan I See Wilde CC
- Tan LKA See Hoe JWM
- Tan W See Mafee MF
- Tan WS See Otto R
- Tan WS See Wilbur AC
- Tan WS; Spigos DG: sciatic nerve block under fluoroscopic guidance. *Cardiovasc Intervent Radiol* 1986; 9: 59
- Tan WS; Wilbur AC; Jafar JJ; et al: brain death: use of dynamic CT and intravenous digital subtraction angiography. *AJNR* 1987; 8: 123
- Tan WS; Wilbur AC; Mafee MF: role of the neuroradiologist in vascular disorders involving the orbit. *Radiol Clin North Am* 1987; 25: 849
- Tanabe M; Godat D; Kallman RF: effects of fractionated schedules of irradiation combined with cis-diamminedichloroplatinum II on the SCCVII/St tumor and normal tissues of the C3H/KM mouse. *Int J Radiat Oncol Biol Phys* 1987; 13: 1523
- Tanada S See Lee MC
- Tanagho EA See Bretan PN Jr
- Tanagho EA See Fritzsche PJ
- Tanagho EA See Hricak H
- Tanagho EA See Marotti M
- Tanagho EA See Thurnher S
- Tanaguchi D See Rivara F
- Tanaka C See Naruse S
- Tanaka C; Naruse S; Horikawa Y; et al: proton nuclear magnetic resonance spectra of brain tumors. *Magn Res Imag* 1986; 4: 503

- Tanaka H See Nishitani H
 Tanaka K See Higashi M
 Tanaka K See Iida M
 Tanaka M See Machi J
 Tanaka M See Yoshimoto H
 Tanaka S See Hishikawa Y
 Tanaka S See Sato M
 Tanaka S; Kitamura T; Kasugai H; et al: early diagnosis of hepatocellular carcinoma: usefulness of ultrasonically guided fine-needle aspiration biopsy, *JCU* 1986; 14: 11
 Tanaka S; Kitamura T; Ohshima A; et al: diagnostic accuracy of ultrasonography for hepatocellular carcinoma. (ab), *Radiology* 1987; 162: 292
 Tanaka T See Higa T
 Tanaka Y See Sugimura K
 Tanasescu DE See Goldsmith MS
 Tanfani G; Mascali M; Dal Pozzo GC; et al: MR imaging in a case of Hallervorden-Spatz disease, *JCAT* 1987; 11: 1057
 Tang C-K See Hillmann JS
 Tang JSH; Gold RH; Bassett LW; Seeger LL: musculoskeletal infection of the extremities: evaluation with MR imaging, *Radiology* 1988; 166: 205
 Tang JSH; Gold RH; Bassett LW; Seeger LL: musculoskeletal infection of the extremities: evaluation with MR imaging: reply, *Radiology* 1988; 166: 284
 Tang JSH; Gold RH; Mirra JM: case report 454, *Skeletal Radiol* 1987; 16: 675
 Tang WW See Jabour BA
 Tang WW See Radin DR
 Tang WYM See Smith JRG
 Tang Y-S See Wu E-h
 Tani E See Matsumoto T
 Taniguchi M See Abruzzo T
 Tanimoto M See Todo Y
 Tankanow LB See Deutch SJ
 Tanner A See Chong WK
 Tanner MA See Besch GJ
 Tanohata K See Andoh K
 Tanohata K See Maehara T
 Tanohata K; Maehara T; Aida N; et al: computed tomography of intracranial chondroma with emphasis on delayed contrast enhancement, *JCAT* 1987; 11: 820
 Tanohata K; Maehara T; Noda M; et al: anomalous origin of the posterior meningeal artery from the lateral medullary segment of the posterior inferior cerebellar artery, *Neuroradiol* 1987; 29: 89
 Tanohata K; Maehara T; Noda M; et al: isolated cerebral varix of superficial cortical vein: CT demonstration, *JCAT* 1986; 10: 1073
 Tanohata K; Noda M; Katoh H; et al: chondroblastoma of temporal bone, *Neuroradiol* 1986; 28: 367
 Tanqueray AB See Thomas ML
 Tantana S See Pilla TJ
 Tantana S; Pilla TJ; Luisiri A: computed tomography of acute spinal subdural hematoma, *JCAT* 1986; 10: 891
 Tao LC See Weisbrod GI
 Tao LC See Weisbrod GL
 Tarantino L See Giorgio A
 Tarasov E See Rozenblit G
 Tarbell NJ See Down JD
 Tarbell NJ See Loeffler JS
 Tarbell NJ; Amato DA; Down JD; et al: fractionation and dose rate effects in mice: a model for bone marrow transplantation in man, *Int J Radiat Oncol Biol Phys* 1987; 13: 1065
 Tarbell NJ; Guinan EC; Niemeyer C; et al: late onset of renal dysfunction in survivors of bone marrow transplantation, *Int J Radiat Oncol Biol Phys* 1988; 15: 99
 Tarico VS See Morris KJ
 Tarico VS; Altmaier EM; Smith WL; et al: resident perspective on the radiology residency: critical incident technique, *Invest Radiol* 1986; 21: 877
 Tarr RR See Kulkarni MV
 Tarr RW See Kaufman AJ
 Tarr RW See Mitchell MR
 Tarr RW See Pusey E
 Tarr RW; Drolshagen LF; Kerner TC; et al: MR imaging of recent spinal trauma, *JCAT* 1987; 11: 412
 Tarr RW; Edwards KM; Kesler RM; et al: MRI of mumps encephalitis: comparison with CT evaluation, *Pediatr Radiol* 1987; 17: 59
 Tarr RW; Page DL; Glick AG; et al: benign hemangioendothelioma involving posterior mediastinum: CT findings, *JCAT* 1986; 10: 865
 Tarry WF See Rosenberg HK
 Tartell J See Baker SR
 Tartini R See Jenni R
 Tartter PI; Steinberg BM: role of preoperative intravenous pyelogram in operations performed for carcinoma of the colon and rectum, (ab), *Radiology* 1987; 162: 290
 Tarver RD See Conces DJ Jr
 Tarver RD See Cory DA
 Tarver RD See Godwin JD
 Tarver RD See Park H-M
 Tarver RD See Rothchild PA
 Tarver RD; Tsai J; Hedlund LW; et al: regional pulmonary distribution of iodine-125-labeled oleic acid: its relationship to the pattern of oleic acid edema and pulmonary blood flow, *Invest Radiol* 1986; 21: 102
 Tasek Y See Noma S
 Tasciyan T See Bobman SA
 Tasciyan T See Riedner SJ
 Tasciyan TA See de Castro JB
 Tash RR; Kier EL; Chyette D: hemifacial spasm caused by a tortuous vertebral artery: MR demonstration, *JCAT* 1988; 12: 492
 Tash RR; Weingarten M; Geller M: alternative technique for double-contrast esophagography (technical note), *AJR* 1986; 147: 266
 Tash RR; Weitzner J Jr: acute intervertebral gas following vertebral fracture: CT demonstration, *JCAT* 1986; 10: 707
 Tashiro K See Morioka F
 Tashiro K; Ito K; Maruo Y; et al: MR imaging of spinal cord in Devic disease, *JCAT* 1987; 11: 516
 Tashjian J See Notman DNH
 Taskos N See Karacostas D
 Tatcher M: comparison of commercial treatment planning systems when calculating dose under shielding blocks, *Int J Radiat Oncol Biol Phys* 1986; 12: 1899
 Tate LG See Post MJD
 Tate T; Brace JA; Morgan H; et al: conformation therapy: method of improving the tumour treatment volume ratio, *Clin Radiol* 1986; 37: 267
 Tateishi R See Kuriyama K
 Tateno A; Sakai K; Sakai S; et al: computed tomography of bilateral thalamic hypodensity in acute encephalopathy, *JCAT* 1988; 12: 637
 Tateno Y See Ebara M
 Tator CH See Willinsky RA
 Tatsuta M See Iishi H
 Tatu WF See Griffin GK
 Tatu WF; Holmes WS; Black WC; et al: aggressive angiomatoma with gastrointestinal communication: a case report, *CT* 1988; 12: 32
 Tatu WF; Phillips CD; Gurdak RG; et al: heterotopic chondro-ossification: a case report, *J Canad Assoc Radiol* 1987; 38: 234
 Tatum J See Merz T
 Tatum JL See Burke TS
 Tatum JL See Rehr RB
 Tatum JL; Rehr RB; DiSciaccia G; et al: thallium-201/technetium-99m-RP-30A disparity in the course of myocardial infarction after attempted reperfusion, *J Nucl Med* 1988; 29: 1283
 Tauber C See McCarthy S
 Tauber T; Starinsky R; Varsano D: ultrasonographic and computed tomographic diagnosis of benign masseteric hypertrophy, *Pediatr Radiol* 1986; 16: 238
 Taucer F; Bach D; Olutola PS: barium gun for use in enteroclysis, *Gastrointest Radiol* 1986; 11: 203
 Taux RH See Box LM
 Taux RH; McCarthy SJ: immobilization for pediatric ultrasonography, *J Ultrasound Med* 1986; 5: 53
 Tauscher JR See Woolsey EJ
 Tauxe WN: determination of glomerular filtration rate by single-plasma sampling technique following injection of radioiodinated diatrizoate, *J Nucl Med* 1986; 27: 45
 Tauxe WN; Bagchi A; Tepe GP; et al: single-sample method for the estimation of glomerular filtration rate in children, *J Nucl Med* 1987; 28: 366
 Taveras JM See Widder DJ
 Taveras JM: subspecialization in radiology: response to a need, *AJR* 1987; 148: 465
 Taveri N; Dal Pozzo G; Arnetoli G; et al: diagnosis and follow-up of mitochondrial encephalomyopathy: CT and MR studies, *JCAT* 1988; 12: 696
 Taves DH: acquired cystic disease of the kidney in patients on hemodialysis, *J Canad Assoc Radiol* 1986; 37: 161
 Tavittian A See Farman J
 Tawn DJ; O'Hare JP; O'Brien IA; et al: bone scintigraphy and radiography in the early recognition of diabetic osteopathy, *Br J Radiol* 1988; 61: 273
 Tawn J See Aldridge S
 Taxy JB See Marshall FF
 Tay JSH See Yip WCL
 Tayler DI See Cumberland DC
 Taylor A Jr See Eshima D
 Taylor A Jr See Fortner A
 Taylor A Jr See Kipper MS
 Taylor A Jr See Wu F
 Taylor A Jr; Akiya F; Gregory MC: failure to visualize acutely injured kidneys with technetium-99m DMSA does not preclude recoverable function, *J Nucl Med* 1986; 27: 377
 Taylor A Jr; Eshima D: effects of altered physiologic states on clearance and biodistribution of technetium-99m MAG₃, iodine-131 OIH, and iodine-125 iohalamate, *J Nucl Med* 1988; 29: 669
 Taylor A Jr; Eshima D; Christian PE; et al: technetium-99m MAG₃ kit formulation: preliminary results in normal volunteers and patients with renal failure, *J Nucl Med* 1988; 29: 616
 Taylor A Jr; Eshima D; Christian PE; Milton W: evaluation of Tc-99m mercaptoacetyltriglycine in patients with impaired renal function, *Radiology* 1987; 162: 365
 Taylor A Jr; Eshima D; Fritzsche AR; et al: comparison of iodine-131 OIH and technetium-99m MAG₃ renal imaging in volunteers, *J Nucl Med* 1986; 27: 795
 Taylor A Jr; Kipper M; Witzum K: calculation of relative glomerular filtration rate and correlation with delayed technetium-99m DMSA imaging, *Clin Nucl Med* 1986; 11: 28
 Taylor A Jr; Lallone R: differential renal function in unilateral renal injury: possible effects of radiopharmaceutical choice, (ab), *Radiology* 1986; 158: 569
 Taylor A Jr; Milton W; Eyre H; et al: radioimmunoassay of human melanoma with indium-111-labeled monoclonal antibody, *J Nucl Med* 1988; 29: 329
 Taylor AT See Morton KA
 Taylor AT Jr See Alazrak NP
 Taylor BJ See Seibert JJ
 Taylor BW Jr; Marcus RB Jr; Friedman WA; et al: meningioma controversy: postoperative radiation therapy, *Int J Radiat Oncol Biol Phys* 1988; 15: 299
 Taylor C See Cowen AR
 Taylor C See Warshaw DM
 Taylor CR See Taylor KJW
 Taylor CR; August D; Greenwood L; et al: aortic dissection with concurrent abdominal aortic aneurysm: computed tomography diagnosis, *CT* 1987; 11: 392
 Taylor CR; Lawson JP: peritonitis and osteomyelitis in chronic drug addicts, *Skeletal Radiol* 1986; 15: 209
 Taylor CR; Sostman HD; Gore JC; et al: proton relaxation times in bleomycin-induced lung injury, *Invest Radiol* 1987; 22: 621
 Taylor DC; Kettler MD; Moneta GL; et al: duplex ultrasound scanning in the diagnosis of renal artery stenosis: a prospective evaluation, (ab), *Radiology* 1988; 168: 288
 Taylor DC; Strandness DE Jr: carotid artery duplex scanning, *JCU* 1987; 15: 635
 Taylor DJ See Oberhaensli RD
 Taylor DJ; Styles P; Matthews PM; et al: energetics of human muscle: exercise-induced ATP depletion, *Magn Res Med* 1986; 3: 44
 Taylor DN; Chordia S; Mills J; et al: nuclear cardiology: comparison of equilibrium gated blood pool and gamma camera first-pass measurements for the assessment of left-ventricular regional wall motion, *Br J Radiol* 1986; 59: 901
 Taylor DW Jr; Babchuk WJ; Walz DJ; et al: gastrointestinal hemorrhage from fistula between traumatic pseudoaneurysm of the right hepatic artery and the duodenum, *Clin Nucl Med* 1988; 13: 337
 Taylor DW Jr; Walz DJ; Babchuk WJ; et al: positive indium-111 leukocyte scintigraphy in vaginitis, *Clin Nucl Med* 1987; 12: 477
 Taylor E See Steere AC
 Taylor EM See Geyer JR
 Taylor GA See Brick SH
 Taylor GA: cow's milk protein/soy protein allergy: gastrointestinal imaging, *Radiology* 1988; 167: 866
 Taylor GA: microcomputer-based graphics for radiology, *AJR* 1986; 147: 1319
 Taylor GA; Catena LM; Garin DB; Miller MK; Short BL: intracranial flow patterns in infants undergoing extracorporeal membrane oxygenation: preliminary observations with Doppler US, *Radiology* 1987; 165: 671
 Taylor GA; Eggle KD: lap-belt injuries of the lumbar spine in children: a pitfall in CT diagnosis, *AJR* 1988; 150: 1355
 Taylor GA; Eichelberger MR: use of contrast media in patients with hypovolemic shock: reply, *Radiology* 1988; 166: 579
 Taylor GA; Fallat ME; Eichelberger MR: hypovolemic shock in children: abdominal CT manifestations, *Radiology* 1987; 164: 479
 Taylor GA; Fitz CR; Miller MK; Garin DB; Catena LM; Short BL: intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, *Radiology* 1987; 165: 675
 Taylor GA; Glass P; Fitz CR; Miller MK: neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, *Radiology* 1987; 165: 679
 Taylor GA; Lotze A; Kapur S; Short BL: diffuse pulmonary opacification in infants undergoing extracorporeal membrane oxygenation: clinical and pathologic correlation, *Radiology* 1986; 161: 347
 Taylor GA; Nancarrow PA; Hernandez-Schulman M; et al: plain abdominal radiographs in children with inflammatory bowel disease, *Pediatr Radiol* 1986; 16: 206

Taylor

- Taylor GA; Shea N; O'Brien T; et al: osteoid osteoma: localization by intraoperative magnification scintigraphy. *Pediatr Radiol* 1986; 16: 313
- Taylor GA; Short BL; Glass P; Ichord R: cerebral hemodynamics in infants undergoing extracorporeal membrane oxygenation: further observations. *Radiology* 1988; 168: 163
- Taylor GA; Short BL; Kriesmer P: extracorporeal membrane oxygenation: radiographic appearance of the neonatal chest. *AJR* 1986; 146: 1257
- Taylor GP See Vince DJ
- Taylor JMG See Withers HR
- Taylor JR See Nannheim KS
- Taylor JS See White MA
- Taylor KJW See Falkoff GE
- Taylor KJW See Freeman MP
- Taylor KJW See Garcia CJ
- Taylor KJW See Keller MS
- Taylor KJW See Kremkau FW
- Taylor KJW See Morse SS
- Taylor KJW See Piccirilli M
- Taylor KJW See Ramos IM
- Taylor KJW See Rigby CM
- Taylor KJW See Warshaw DM
- Taylor KJW: prudent approach to Doppler US. *Radiology* 1987; 165: 283
- Taylor KJW; Morse SS; Rigby CM; Bia M; Schiff M: vascular complications in renal allografts: detection with duplex Doppler US. *Radiology* 1987; 162: 31
- Taylor KJW; Morse SS; Welkin GG; Riely CA; Flye MW: liver transplant recipients: portable duplex US with correlative angiography. *Radiology* 1986; 159: 357
- Taylor KJW; Ramos I; Carter D; Morse SS; Snower D; Fortune K: correlation of Doppler US tumor signals with neovascular morphologic features. *Radiology* 1988; 166: 57
- Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR: focal liver masses: differential diagnosis with pulsed Doppler US. *Radiology* 1987; 164: 643
- Taylor KJW; Riely CA; Hammers L; Flax S; Welkin GG; Garcia-Tao G; Conn HO; Kuc R; Barwick KW: quantitative US attenuation in normal liver and in patients with diffuse liver disease: importance of fat. *Radiology* 1986; 160: 65
- Taylor KJW; Schwartz PE; Kohorn EI: gestational trophoblastic neoplasia: diagnosis with Doppler US. *Radiology* 1987; 165: 445
- Taylor R See Hall AC
- Taylor R; Holgate RC: carbon monoxide poisoning: asymmetric and unilateral changes in CT. *AJNR* 1988; 9: 975
- Taylor RE See Fowles S
- Taylor RE; Allan SG; McIntyre MA; et al: low grade stage I and II non-Hodgkin's lymphoma: results of treatment and relapse pattern following therapy. *Clin Radiol* 1988; 39: 287
- Taylor RE; Duncan W; Best JJK: influence of computed tomography scanning and lymphography on the management of testicular germ-cell tumors. *Clin Radiol* 1986; 37: 539
- Taylor RE; Duncan W; Parker AC: case report: bilateral testicular plasmacytoma. *Clin Radiol* 1986; 37: 293
- Taylor RGS See Kearley JH
- Taylor S See Gould ES
- Taylor S See Zanzl I
- Taylor SB See Eisenberg RA
- Taylor SG See Murthy AK
- Taylor SG IV: integration of chemotherapy into the combined modality therapy of head and neck squamous cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 779
- Taylor SL See Mira JG
- Taylor TV See Armstrong CP
- Taylor WF See Ivins JC
- Taylor WH See Gimlette TMD
- Taylor WK See Retrum ER
- Taymor M See Hann LE
- Taymor M See Al-Sultan S
- Tazawa T See Toutho H
- Tchang SPK See Wolfe BK
- Tcheng S See Vanel D
- Tchervenkov CI See Novick RJ
- Teal JS See Gumba RV
- Teal LN; Anguaco TL; Jimenez JF; et al: fetal teratomas: antenatal diagnosis and clinical management. *JCU* 1988; 16: 329
- Teasdale E See Macpherson P
- Teasdale E See Shand J
- Teasdale E; Teasdale G; Mohsen F; et al: high-resolution computed tomography in pituitary microadenoma: is seeing believing? *Clin Radiol* 1986; 37: 227
- Teasdale G See Teasdale E
- Teasdale GM See Hadley DM
- Teates CD See Williamson BRJ
- Teather D See du Boulay GH
- Tector AJ; Schmahl TM; Canino VR: expanding the use of the internal mammary artery to improve patency in coronary artery bypass grafting. (ab). *Radiology* 1987; 162: 293
- Teefey SA; Baron RL; Rohrmann CA; Shuman WP; Freeny PC: sclerosing cholangitis: CT findings. *Radiology* 1988; 169: 635
- Teefey SA; Montana MA; Goldfogel GA; et al: sonographic diagnosis of neutropenic typhlitis. *AJR* 1987; 149: 731
- Teefey SA; Stephens DH; James EM; et al: computed tomography and ultrasonography of hepatoma. *Clin Radiol* 1986; 37: 339
- Teefey SA; Stephens DH; Sheedy PF II: CT appearance of primary pancreatic lymphoma. *Gastrointest Radiol* 1986; 11: 41
- Teefey SA; Stephens DH; Weiland LH: calcification in hepatocellular carcinoma: not always an indication of fibrolamellar histology. *AJR* 1987; 149: 1173
- Teefey SA; Wechter DG: sonographic evaluation of pericholecystic abscess with intrahepatic extension. *J Ultrasound Med* 1987; 6: 659
- Teele RL See DiPietro MA
- Teele RL See Hernandez-Schulman M
- Teele RL See Hoffer FA
- Teele RL See Jones BE
- Teele RL See Keller MS
- Teele RL; Hernandez-Schulman M; Sotrel A: echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy. *Radiology* 1988; 169: 423
- Teele RL; Shure JC: abdominal mass in the neonate. *Semin Roentgenol* 1988; 23: 175
- Tefft M See Chang H
- Teggi A See Bezzi M
- Tegtmeyer CJ See Burke JW
- Tegtmeyer CJ See Kellum CD
- Tegtmeyer CJ See Rijkse AM
- Tegtmeyer CJ See Steiner RM
- Tegtmeyer CJ See Waltman AC
- Tegtmeyer CJ: guide wire angioplasty balloon catheter: preliminary report. *Radiology* 1988; 169: 233
- Tegtmeyer CJ; Kellum CD; Jenkins A; Gillenwater JY; Way WG; Barr J; Piro G; Springer R; Lippert MC; Wyker AW: extracorporeal shock wave lithotripsy: interventional radiologic solutions to associated problems. *Radiology* 1986; 161: 587
- Tegtmeyer CJ; Sos TA: techniques of renal angioplasty. *Radiology* 1986; 161: 577
- Tehranehadeh J See Castillo M
- Tehranehadeh J See Fanney D
- Tehranehadeh J See Himeidan IH
- Tehranehadeh J See Nichols JN
- Tehranehadeh J: spectrum of avulsion and avulsion-like injuries of the musculoskeletal system. *Radiographics* 1987; 7: 945
- Tehranehadeh J; Gubernick I; Blaha D: prospective study of sequential technetium-99m phosphate and gallium imaging in painful hip prostheses (comparison of diagnostic modalities). *Clin Nucl Med* 1988; 13: 229
- Tehranehadeh J; Kaufman HH; Davis CM; et al: effect of spondylolysis on the outcome of chemonucleolysis. *Skeletal Radiol* 1987; 16: 560
- Teicher BA; Holden SA; Cathcart KNS: efficacy of ^{125}I (Rh-123), as a radiosensitizer with fractionated x rays. *Int J Radiat Oncol Biol Phys* 1987; 13: 1217
- Teicher BA; Rose CM: effects of dose and scheduling on growth delay of the Lewis lung carcinoma produced by the perfluorochemical emulsion, Fluosol-DA[®]. *Int J Radiat Oncol Biol Phys* 1986; 12: 1311
- Teichgraber J See Henderson LT
- Teillac D See Brunelle FO
- Teisseire B See Geschwind HJ
- Teitler J See Dunn EK
- Teitler J See Price DB
- Teitelbaum G See Kramer FL
- Teitelbaum GP See Becker RL
- Teitelbaum GP; Bradley WG Jr; Klein BD: MR imaging artifacts, ferromagnetism, and magnetic torque of intravascular filters, stents, and coils. *Radiology* 1988; 166: 657
- Teitelbaum GP; Ortega HV; Vinitaki S; Stern H; Tsuruda JS; Mitchell DG; Rifkin MD; Bradley WG Jr: low-artifact intravascular devices: MR imaging evaluation. *Radiology* 1988; 168: 713
- Teitelbaum SL See Katz ME
- Teitz CC: ultrasonography in the knee: clinical aspects. *Radiol Clin North Am* 1988; 26: 55
- Teixeira WR See Rodacki MA
- Teixidor HS See Wojtasek DA
- Teixidor HS; Honig CL; Noronho E; Albert S; Mouradian JA; Whalen JP: cytomegalovirus infection of the alimentary canal: radiologic findings with pathologic correlation. *Radiology* 1987; 163: 317
- Telander RL See Galiber AK
- Telepak RJ; Hartshorne MF; Bauman JM; et al: rectus femoris muscle bone-image uptake in a sprinter. *Clin Nucl Med* 1986; 11: 365
- Telepak RJ; Hartshorne MF; Cawthon MA; et al: prominent confluence of the straight and transverse sinuses: potential pitfall in the interpretation of tomographic brain scans. *Clin Nucl Med* 1986; 11: 366
- Teller P See Sachs RN
- Temin HM: retroviruses and the genetics of cancer. *Int J Radiat Oncol Biol Phys* 1988; 15: 343
- Tempany C See Pooniak HV
- Templin DL; Ladika JE: new catheter design and placement technique for pulmonary arteriography. *Radiology* 1987; 163: 275
- Templeton AW See Cox GG
- Templeton AW; Cox GG; Dwyer SJ III: digital image management networks: current status. *Radiology* 1988; 169: 193
- Templeton AW; Dwyer SJ III; Cox GG; et al: digital radiology imaging system: description and clinical evaluation. *AJR* 1987; 149: 847
- Templeton J See Kalchbrenner M
- Templeton PA See Abbott FL
- Templeton PA; Dunne MG: Kawasaki syndrome: cerebral and cardiovascular complications. *JCU* 1987; 15: 483
- Templeton PA; Mirvis SE; Whitley NO: traumatic avulsion of the ureter: computed tomography correlation. *CT* 1988; 12: 159
- Templeton PA; Rao KCVG: computed tomography of *Toxocara canis* endophthalmitis. *CT* 1987; 11: 99
- Templeton PA; Young JWR; Mirvis SE; et al: value of retropharyngeal soft tissue measurements in trauma of the adult cervical spine. *Skeletal Radiol* 1987; 16: 98
- Tencer AF See Sartoris DJ
- Tenckhoff L See Rittenhouse EA
- Tene M See Aderka D
- Teng MMH; Guo W-Y; Huang C-I; et al: occlusion of arteriovenous malformations of the cavernous sinus via the superior ophthalmic vein. *AJNR* 1988; 9: 539
- Teng MMH; Huang C-I; Chang T: pituitary mass after transphenoidal hypophysectomy. *AJNR* 1988; 9: 23
- Teng R-R See Shue C-Y
- Tengrup I See Linell F
- Ten Haken JD See Calhoun JG
- Ten Haken RK; Diaz RF; McShan DL; et al: from manual to 3-D computerized treatment planning for 125-I stereotactic brain implants. *Int J Radiat Oncol Biol Phys* 1988; 15: 467
- Tennant FP See Lindfors KK
- Tennenhouse DJ See Spring DB
- Tenney JH; Moody MR; Newman KA; et al: adherent microorganisms on luminal surfaces of long-term intravenous catheters. (ab). *Radiology* 1987; 163: 292
- Tennison JR See Green MA
- Tennvall J; Bjorklund A; Moller T; et al: prognostic factors of papillary, follicular and medullary carcinomas of the thyroid gland. (ab). *Radiology* 1986; 158: 375
- Tennvall J; Olsson M; Moller T; et al: thyroid tissue characterization by proton magnetic resonance relaxation time determination. *Acta Oncol* 1987; 26: 27
- Tennvall-Nittby L See Linell F
- Tenorio LE See Flemming MC
- Tenzel RR See Custer PL
- Teo P; Chung D: accurate method of ^{125}I wire implantation for locally advanced carcinoma of breast. *Acta Oncol* 1987; 26: 273
- Teo P; Ho JHC; Choy D; et al: adjunctive chemotherapy to radical radiation therapy in the treatment of advanced nasopharyngeal carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 679
- Teo P; Tai TH; Choy D; et al: randomized study on palliative radiation therapy for inoperable non small cell carcinoma of the lung. *Int J Radiat Oncol Biol Phys* 1988; 14: 867
- Teodori I See Mauro F
- Teong CC See Puvaneswary M
- Tepe PG See Tauxe WN
- Teplick JG; Laffey PA; Berman A; et al: diagnosis and evaluation of spondylolithesis and/or spondylolysis on axial CT. *AJNR* 1986; 7: 479
- Teplick SK See Brandon JC
- Teplick SK See Glick SN
- Teplick SK See Harding JA
- Teplick SK See Haskin PH
- Teplick SK See Laffey PA
- Teplick SK See Lee LI
- Teplick SK See Sammon JF
- Teplick SK See Schwab JK
- Teplick SK See Whitman MS
- Teplick SK; Haskin PH: solution to a knotty biliary drainage problem. *Br J Radiol* 1986; 59: 511
- Teplick SK; Haskin PH; Goldstein RC; et al: common bile duct stone dissolution with methyl tertiary butyl ether: experience with three patients. *AJR* 1987; 148: 372
- Teplick SK; Haskin PH; Kline TS; et al: percutaneous pancreaticobiliary biopsies in 173 patients using primarily ultrasound or fluoroscopic guidance. *Carcinoma Intervent Radiol* 1988; 11: 26

- Teplack SK; Haskin PH; Sammon JK; Clearfield HR; Borowsky LM; Gambescia RA; Zitomer N; Goldstein RC: common bile duct obstruction: assessment by transcholecystic cholangiography. *Radiology* 1986; 161: 135
- Tepper JE See Sult HD
- Tepper JE See Willett CG
- Tepper JE: adjuvant irradiation of gastrointestinal malignancies: impact on local control and tumor cure. *Int J Radiat Oncol Biol Phys* 1986; 12: 667
- Tepper JE; Cohen AM; Wood WC; et al: postoperative radiation therapy of rectal cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 5
- Tepper JE; Gunderson LL; Goldson AL; et al: quality control parameters of intraoperative radiation therapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1687
- Tepper R See Schoenfeld A
- Terano A See Itai Y
- Terashima M See Yamazaki Y
- ter Berg JWM; Overtoom TMD; Ludwig JW; et al: detection of unruptured familial intracranial aneurysms by intravenous digital subtraction angiography: screening of two affected families. *Neuroradiology* 1987; 29: 272
- Terblanche J See Spence RAJ
- Terbrugge K See Spiegel SM
- Ter Brugge KG See Burrows PE
- Terbrugge KG See Lasjaunias P
- Teresi LM See Lufkin RB
- Teresi LM; Kolin E; Lufkin RB; et al: MR imaging of the intraparietal facial nerve: normal anatomy and pathology. *AJNR* 1987; 8: 253
- Teresi LM; Lufkin RB; Hanafee WN: low cost MRI of the paranasal sinuses. *Comput Med Imag Graph* 1988; 12: 165
- Teresi LM; Lufkin RB; Nitta K; et al: MRI of the facial nerve: normal anatomy and pathology. *Semin US CT MR* 1987; 8: 240
- Teresi LM; Lufkin RB; Reicher MA; Moffitt BJ; Vinuela FV; Wilson GM; Benson JR; Hanafee WN: asymptomatic degenerative disk disease and spondylosis of the cervical spine: MR imaging. *Radiology* 1987; 164: 83
- Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benson JR; Hanafee WN: MR imaging of the nasopharynx and floor of the middle cranial fossa. part I. normal anatomy. *Radiology* 1987; 164: 811
- Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benson JR; Hanafee WN: MR imaging of the nasopharynx and floor of the middle cranial fossa. part II. malignant tumors. *Radiology* 1987; 164: 817
- Teresi LM; Lufkin RB; Wortham DG; et al: MR imaging of the intratemporal facial nerve using surface coils. *AJNR* 1987; 8: 49
- Teresi LM; Lufkin RB; Wortham DG; Abemayor E; Hanafee WN: parotid masses: MR imaging. *Radiology* 1987; 163: 405
- ter Haar G; Dyson M; Oakley EM: use of ultrasound by physiotherapists in Britain, 1985. *Ultrasound Med Biol* 1987; 13: 659
- ter Haar G; Hopewell JW: investigation into the combined effects of X-irradiation and 3MHz ultrasound-induced hyperthermia on pig skin. *Int J Radiat Oncol Biol Phys* 1988; 14: 989
- ter Haar GR See Crum LA
- Terhaard CHJ; Wiggersnaad RG; Hordijk GJ; et al: regression after 50 Gy as a selection for therapy in advanced laryngeal cancer. *Int J Radiat Oncol Biol Phys* 1987; 15: 591
- Ter Haar Romeny BM See Van Roermund PM
- Terkeltaub R See Björkengren AG
- ter Meulen DC; Majd M: bone scintigraphy in the evaluation of children with obscure skeletal pain. (ab). *Radiology* 1987; 165: 591
- terPenning BJ; Cheng HM; Barnett P; et al: MR imaging of enucleated human eyes at 1.4 tesla. *JCAT* 1986; 10: 551
- Terrier F See Becker CD
- Terrier F See Hodler J
- Terrier F See Hricak H
- Terrier F See Marotti M
- Terrier F See Richards TL
- Terrier F; Hricak H; Berry I; et al: edema and the lack of blood perfusion produce opposite effects on the magnetic resonance characteristics of acutely ischemic rat kidneys. *Invest Radiol* 1987; 22: 118
- Terrier F; Hricak H; Justic E; et al: diagnostic value of renal cortex-to-medulla contrast on magnetic resonance images. *Eur J Radiol* 1986; 6: 121
- Terrier F; Revel D; Hricak H; et al: changes in proton relaxation times of the rat spleen during adjuvant-induced immunologic reaction. *Invest Radiol* 1986; 21: 221
- Terrier F; Revel D; Pajannen H; et al: MR imaging of body fluid collections. *JCAT* 1986; 10: 953
- Terrier F; Revel D; Reinhold CE; et al: contrast-enhanced MRI of periarthritic soft-tissue changes in experimental arthritis of the rat. *Magn Res Med* 1986; 3: 385
- Terry NHA; Tucker SL; Travis EL: residual radiation damage in murine lung assessed by pneumonitis. *Int J Radiat Oncol Biol Phys* 1988; 14: 929
- Terry P See White RI Jr
- Teruel JL See Liano F
- Terwey B See Koschorek F
- Teshima T See Isawa T
- Teshima T; Chatani M; Hata K; et al: high-dose rate intracavitary therapy for carcinoma of the uterine cervix: I. general figures of survival and complication. *Int J Radiat Oncol Biol Phys* 1987; 13: 1035
- * Teshima T; Chatani M; Hata K; et al: high-dose rate intracavitary therapy for carcinoma of the uterine cervix: II. risk factors for rectal complication. *Int J Radiat Oncol Biol Phys* 1988; 14: 281
- Tesluk H See McGahan JP
- Tessler F See Grant EG
- Testa D See Vaghi M
- Testart MC See Stormorken H
- te Strake L See Boonstra AM
- te Strake L See Falke THM
- te Strake L; Schultze Kool LJ; Paul LC; et al: magnetic resonance imaging of renal transplants: its value in the differentiation of acute rejection and cyclosporin A nephrotoxicity. *Clin Radiol* 1988; 39: 220
- Teteris NJ See Shamam OM
- Teubner J; van Kaick G; Junkermann H; et al: 5 MHz real-time sonography of the breast—part 2: examination technique and diagnostic value. (ab). *Radiology* 1986; 159: 570
- Teule GJJ See van Zanten TEG
- te Velde J See van Buchem MA
- Tew J See Dowle CS
- Tew JM Jr See Heiss JD
- Tew M; Waugh W: tibiofemoral alignment and the results of knee replacement. (ab). *Radiology* 1986; 158: 570
- Tewson TJ See Berridge MS
- Tezak S See Ugarkovic B
- Thakker RV See Hine AL
- Thakur M See Simerman L
- Thakur ML See Intenzo CM
- Thakur ML See Kim SM
- Thakur ML See Madsen MT
- Thakur ML See Park CH
- Thal LJ See Dickson DW
- Thaler M See Pastakia B
- Thaler M; Pastakia B; Shawker TH; et al: hepatic candidiasis in cancer patients: the evolving picture of the syndrome. (ab). *Radiology* 1988; 168: 586
- Tham RTOTA; Peters WG; de Bruine FT; et al: pulmonary complications of cytosine-araboside therapy: radiographic findings. *AJR* 1987; 149: 23
- Thames HD See Schultheis TE
- Thames HD; Sult HD: tumor radiosensitivity versus fractionation sensitivity. *Int J Radiat Oncol Biol Phys* 1986; 12: 687
- Thames HD Jr See Ang KK
- Thames HD Jr See Peters LJ
- Thames HD Jr See Travis EL
- Thames HD Jr See Withers HR
- Thames HD Jr: early fractionation methods and the origins of the NSD concept. *Acta Oncol* 1988; 27: 89
- Thatcher N See Lockton JA
- Thayer JO; Healy RW; Maggs PR: spontaneous coronary artery dissection. (ab). *Radiology* 1988; 166: 588
- Thelen M See Baier P
- Thelen M See Günther RW
- Thelen M See Just M
- Theorell T; Häggmark C; Eneroth P: psychoneuroendocrinological reactions in female relatives of cancer patients: effects of an activation programme. *Acta Oncol* 1987; 26: 419
- Theriault C See Fitzpatrick PJ
- Theron J See Courtheoux P
- Théron J See Fontaine S
- Theron J See Raymond J
- Theron J; Cosgrove R; Melanson D; et al: embolization with temporary balloon occlusion of the internal carotid or vertebral arteries. *Neuroradiology* 1986; 28: 246
- Theron J; Cosgrove R; Melanson D; Ethier R: spinal arteriovenous malformations: advances in therapeutic embolization. *Radiology* 1986; 158: 163
- Theron J; Raymond J; Casasco A; et al: percutaneous angioplasty of atherosclerotic and postsurgical stenosis of carotid arteries. *AJNR* 1987; 8: 495
- Theron J; Tyler JL: Takayasu's arteritis of the aortic arch: endovascular treatment and correlation with positron emission tomography. *AJNR* 1987; 8: 621
- Theron J; Villemure JG; Worthington C; et al: superselective intracerebral chemotherapy of malignant tumours with BCNU: neuroanatomical considerations. *Neuroradiol* 1986; 28: 118
- Therrien P See Hahn P
- Therrien P See Shalev S
- Thet LA See Vergara JA
- Thilagajah S See Hogge WA
- Thibodeau M; Melanson D; Ethier R: acute epidural hematoma following decompressive surgery of a subdural hematoma. *J Canad Assoc Radiol* 1987; 38: 52
- Thickman D See Kundel HL
- Thickman D: computed tomographic evaluation of the solitary nonpulmonic nodule. *Comput Radiol* 1987; 11: 29
- Thickman D; Arger P; Tureck R; et al: sonographic assessment of the endometrium in patients undergoing in vitro fertilization. *J Ultrasound Med* 1986; 5: 197
- Thickman D; Axel L; Kressel HY; et al: magnetic resonance imaging of avascular necrosis of the femoral head. *Skeletal Radiol* 1986; 15: 133
- Thickman D; Rubinstein R; Askenase A; et al: effect of phase-encoding direction upon magnetic resonance image quality of the heart. *Magn Res Med* 1988; 6: 590
- Thickman DJ See Mintz MC
- Thiebot J See Clavier E
- Thiebot J; Clavier E; Tadie M; et al: fistules arterio-veineuses intracraniales extramedullaires multiples a drains venueux medullaires "libres" (multiple intrathecal extramedullary arteriovenous fistulae draining "freely" into the spinal veins). *J Neuroradiol* 1986; 13: 173
- Thiel AE See Mahoney MD
- Thiele A See Dyer R
- Thieme GA See Fellmeth BD
- Thiesse P See Bret PM
- Thijn CJF See den Heeten GJ
- Thijn CJF See Strubbe EH
- Thijn CJF See van der Laan JG
- Thijssen HOM See van Dijk Azn R
- Thijssen HOM See vd Vliet AM
- Thijssen HOM; Mers JL; Mostart JEJ; et al: comparison of brachiocephalic angiography and IVDSA in the same group of patients. *Neuroradiol* 1988; 30: 91
- Thijssen HOM; Mers JL; Thijssen MAO; et al: improvement of IVDSA of the brachiocephalic arteries using a non-ionic contrast medium. *Neuroradiol* 1988; 30: 211
- Thijssen MAO See Thijssen HOM
- Thind CR See Loughran CF
- Thirlwell MP See Herba MJ
- Thistlethwaite AJ; Alexander GA; Moylan DJ III; et al: modification of human tumor pH by elevation of blood glucose. *Int J Radiat Oncol Biol Phys* 1987; 13: 603
- Thivolle P; Mathieu L; Bouyoucef SE; et al: cardiopulmonary flow studies showing abnormal brain perfusion. *Clin Nucl Med* 1988; 13: 305
- Thivolle P; Mathieu L; Damideaux J; et al: bone imaging in a case of chronic fluorine intoxication with mineral water. *Clin Nucl Med* 1986; 11: 771
- Thivolle P; Mathieu L; Mathieu P; et al: significance of solitary spine abnormalities on technetium-99m bone imaging. *Clin Nucl Med* 1988; 13: 527
- Thoeni R See Tscholakoff D
- Thoeni RF See Hricak H
- Thoeni RF See Margulis AR
- Thoeni RF: radiography of the small bowel and enteroclysis: a perspective. *Invest Radiol* 1987; 22: 930
- Thoeni RF; Filson RG: abdominal and pelvic CT: use of oral metoclopramide to enhance bowel opacification. *Radiology* 1988; 169: 391
- Thoeni RF; Margulis AR: state of radiographic technique in the examination of the colon: a survey in 1987. *Radiology* 1988; 167: 7
- Thomaidis S See Podlas HB
- Thomas AJ; Pollack MS; Libshitz HI: urachal carcinoma: evaluation with computed tomography. *Urol Radiol* 1986; 6: 194
- Thomas AMK See Jackson JE
- Thomas AMK See Williams R
- Thomas CS; Leopold GR; Hilton S; et al: fetal hydrops associated with extralobar pulmonary sequestration. *J Ultrasound Med* 1986; 5: 668
- Thomas D See Dritschilo A
- Thomas DFM See Irving HC
- Thomas DG See Morcos SK
- Thomas DGT See Young IR
- Thomas DGT; Davis CH; Ingram S; et al: stereotactic biopsy of the brain under MR imaging control. *AJNR* 1986; 7: 161
- Thomas EA See Key H
- Thomas FD See Chonacki NJ
- Thomas FD See McAfee JG
- Thomas FJ See Mota HC
- Thomas GM; Dembo AJ; Hacker NF; et al: current therapy for dysgerminoma of the ovary. (ab). *Radiology* 1988; 166: 293
- Thomas JM See Floyd JL
- Thomas KD; Greer DM; Couch MW; et al: radiation dosimetry of iodine-123 HEAT, an alpha-1 receptor imaging agent. *J Nucl Med* 1987; 28: 1745

Thomas

- Thomas M See Rush M
 Thomas ML See Hill LM
 Thomas ML See Keeling FF
 Thomas ML See Treweek PS
 Thomas ML; Chan O: lateral thigh varicose veins: a phlebographic study. *Br J Radiol* 1988; 61: 372
 Thomas ML; Hicks P: limb muscle compression: an alternative technique for intravenous digital subtraction angiography. *Br J Radiol* 1987; 60: 123
 Thomas ML; Phillips GW: recurrent groin varicose veins: an assessment by descending phlebography. *Br J Radiol* 1988; 61: 294
 Thomas ML; Tanqueray AB; Burnand KG: visualization of the plantar arch by aortography: technique and value. *Br J Radiol* 1988; 61: 469
 Thomas ML; Treweek PS: intravenous digital subtraction arteriography: comparison of peripheral versus central contrast injection. *Br J Radiol* 1986; 59: 241
 Thomas NB; Gupta SC: unilobar enlargement of normal thymus gland causing mass effect. *Br J Radiol* 1988; 61: 244
 Thomas PD; Hunninghake GW: current concepts of the pathogenesis of sarcoidosis, (ab). *Radiology* 1987; 164: 882
 Thomas PRM See Fields JN
 Thomas PRM See Stokes SH
 Thomas PRM; Stablein DM; Kinzie JJ; et al: perineal effects of postoperative treatment for adenocarcinoma of the rectum. *Int J Radiat Oncol Biol Phys* 1986; 12: 167
 Thomas PS See Sweeney LE
 Thomas R; Corner GA; Watson ER: modified Selectron vaginal applicator. *Br J Radiol* 1986; 59: 397
 Thomas RM See Berman L
 Thomas SC See Palmaz JC
 Thomas SR See Kereikes JG
 Thomas SR See Maxon HR
 Thomas SR; Clark LC Jr; Ackerman JL; et al: MR imaging of the lung using liquid perfluorocarbons. *JCAT* 1986; 10: 1
 Thomason MA; Gay BB: esophageal stenosis with esophageal atresia. *Pediatr Radiol* 1987; 17: 197
 Thomassen B See Thönlén S
 Thomlinson RH: cancer: the failure of treatment. *Br J Radiol* 1987; 60: 735
 Thommesen P See Christiansen T
 Thompson AJ; Brown MM; Swash M; et al: autopsy validation of MRI in central pontine myelinolysis. *Neuroradiol* 1988; 30: 175
 Thompson B See Gentry LR
 Thompson BG See Delany DJ
 Thompson BG See Wang Y
 Thompson BT See Morris TA
 Thompson CH See Leyden MJ
 Thompson CJ See Narahata KA
 Thompson CJ See Yang K-TA
 Thompson Cnt See Galley SJ
 Thompson G See Somers S
 Thompson GT: incidental findings on gallbladder sonography. *J Canad Assoc Radiol* 1987; 38: 40
 Thompson HE: exposure of the human fetus to diagnostic ultrasound. *Ultrasound Med Biol* 1986; 12: 709
 Thompson HS See Wright DC
 Thompson J See Spanos WJ Jr
 Thompson J See Suss RA
 Thompson JN See Czerniak A
 Thompson JN See Gibson RN
 Thompson JR See Christiansen EL
 Thompson JR See Pressman BD
 Thompson JR; Fetz RC; Hinchshaw DB Jr; et al: pericerebellar fluid collections in infancy: sequelae of birth injury? a retrospective CT study. *Neuroradiol* 1987; 29: 453
 Thompson JS See Schwartz HJ
 Thompson K See Villanueva-Meyer J
 Thompson MB See Bone SN
 Thompson MB See Johnson GA
 Thompson NW See Francis IR
 Thompson PJ; Dhillon DP; Ledingham J; et al: shrinking lungs, diaphragmatic dysfunction, and systemic lupus erythematosus, (ab). *Radiology* 1986; 158: 857
 Thompson R See Edelman RR
 Thompson R See Manivel JC
 Thompson R See Strateimer EJ
 Thompson RC See Johnston DL
 Thompson RC Jr See Schreiman JS
 Thompson RS; Trudinger BJ; Cook CM: comparison of Doppler ultrasound waveform indices in the umbilical artery—I. indices derived from the maximum velocity waveform. *Ultrasound Med Biol* 1986; 12: 835
 Thompson RS; Trudinger BJ; Cook CM: comparison of Doppler ultrasound waveform indices in the umbilical artery—II. indices derived from the mean velocity and first moment waveforms. *Ultrasound Med Biol* 1986; 12: 845
 Thompson RT See Zechodne DW
 Thompson SA: extra-metastatic haemopoiesis causing paraplegia. *Australas Radiol* 1988; 32: 141
 Thompson SA; Harper JS: pre-operative chest radiograph. *Br J Radiol* 1987; 60: 597
 Thompson T See Powe J
 Thompson TT; Gustafson RB: practical approach to modern imaging equipment. 2d ed., *Radiology* 1986; 159: 180
 Thompson WM See Burbank FH
 Thompson WM See Halvorsen RA Jr
 Thompson WM See Letourneau JG
 Thompson WM See Roberts L Jr
 Thompson WM See Sussman SK
 Thompson WM; Halvorsen KA Jr: computed tomographic staging of gastrointestinal malignancies part II. small bowel, colon, and rectum. *Invest Radiol* 1987; 22: 96
 Thompson WM; Halvorsen RA Jr; Foster WL Jr; et al: optimal cholangiographic technique for detecting bile duct stones. *AJR* 1986; 146: 537
 Thompson WM; Halvorsen RA Jr; Foster WL Jr; et al: preoperative and postoperative CT staging of rectosigmoid carcinoma. *AJR* 1986; 146: 703
 Thompson WM; Halvorsen RA Jr; Foster WL Jr; Roberts L; Gibbons R: computed tomography of the rectum. *Radiographics* 1987; 7: 773
 Thompson WM; Mitchell RL; Halvorsen RA Jr; et al: scientific presentations: what to do and what not to do. *Invest Radiol* 1987; 22: 244
 Thomsen C See Jensen KE
 Thomsen C See Kjaer L
 Thomsen C See Ståhlberg F
 Thomsen C; Henriksen O; Ring P: in vivo measurement of water self diffusion in the human brain by magnetic resonance imaging. *Acta Radiol* 1987; 28: 353
 Thomsen C; Henriksen O; Ring P: in vivo measurements of relaxation process in the human liver by MRI: the role of respiratory gating/triggering. *Magn Res Imag* 1988; 6: 431
 Thomsen C; Jensen KE; Achten E; et al: in vivo magnetic resonance imaging and ³¹P spectroscopy of large human brain tumours at 1.5 tesla. *Acta Radiol* 1988; 29: 77
 Thomsen HS See Skaarp P
 Thomsen HS; Dorph S: upper urinary tract: pyelography and interventional procedures. *Acta Radiol* 1987; 28: 129
 Thomsen HS; Dorph S; Mygind T; et al: intravenous injection of iohexol, iohexol and diatrizoate: effects on urine profiles in the rat. *Acta Radiol* 1988; 29: 131
 Thomsen HS; Hvid-Jacobsen K; Meyhoff H-H; et al: combination of DMSA-scintigraphy and hippuran renography in unilateral obstructive nephropathy: improved prediction of recovery after intervention. *Acta Radiol* 1987; 28: 653
 Thomsen HS; Hvid-Jacobsen K; Nielsen SL: alternating use of ¹²³I and ¹³¹I hippuran for routine postoperative monitoring of transplanted kidneys is impracticable. *Acta Radiol* 1987; 28: 365
 Thomsen HS; Hvid-Jacobsen K; Nielsen SL: validity of renal split function by single probe renography in hypertensive patients: a comparison with gamma camera scintigraphy. *Acta Radiol* 1988; 29: 377
 Thomsen HS; Munck O: use of ^{99m}Tc radionuclides to show nephrotoxicity of cyclosporin A in transplanted kidneys. *Acta Radiol* 1987; 28: 59
 Thomsen HS; Rasmussen K; Burchardt F; et al: monitoring of pancreatic graft perfusion by first passage radionuclide angiography. *Acta Radiol* 1988; 29: 138
 Thomsen HS; Rygaard H; Nielsen SL; et al: angiography in non-functioning renal allografts receiving cyclosporin A. *Acta Radiol* 1987; 28: 313
 Thomson ABR; Keelan M; Cheeseman CI; et al: fractionated low doses of abdominal irradiation alters jejunal uptake of nutrients. *Int J Radiat Oncol Biol Phys* 1986; 12: 917
 Thomson ES See Harnett AN
 Thomson JLG: simple skin marker for magnetic resonance imaging. *Br J Radiol* 1988; 61: 638
 Thomson JW See Jacobson GM
 Thomson KR See Alexander IA
 Thomson KR See Walters NA
 Thon W See Sigmund G
 Thönlén S; Mortensen W; Thomasson B: prediction of the stability of minimally displaced fractures of the lateral humeral condyle. *Acta Radiol* 1988; 29: 367
 Thonoor CM See Couch MW
 Thornburg A See Ellison MJ
 Thornburg AJ See Gross GW
 Thornbury JR See Rubens D
 Thornbury JR; Masters SJ; Campbell JA: imaging recommendations for head trauma: a new comprehensive strategy. *AJR* 1987; 149: 781
 Thornby JI See Prasad N
 Thorne DA See Datz FL
 Thorne DA; Datz FL: pelvic stress fracture in female runners. *Clin Nucl Med* 1986; 11: 828
 Thorne DA; Datz FL; Remley K; et al: bleeding rates necessary for detecting acute gastrointestinal bleeding with technetium-99m-labeled red blood cells in an experimental model. *J Nucl Med* 1987; 28: 514
 Thorne MC See Smith H
 Thorne MC: principles of the International Commission on Radiological Protection system of dose limitation. *Br J Radiol* 1987; 60: 32
 Thorne RP See Sobel DF
 Thorne P See Cohen EK
 Thornhill BA; Morehouse HT; Coleman P; et al: prostatic abscess: CT and sonographic findings. *AJR* 1987; 148: 899
 Thornton J See Chervenak FA
 Thornton JC See Yeh H-C
 Thorogood J See Griffiths SE
 Thorogood J See Pearcey RG
 Thorogood J See Read P
 Thorpe A See Clements R
 Thorpe SM: estrogen and progesterone receptor determinations in breast cancer: technology, biology and clinical significance. *Acta Oncol* 1988; 27: 1
 Thorsen MK See Alpern MB
 Thorsen MK See Cates JD
 Thorsen MK See Chintapalli K
 Thorsen MK See Darweesh RMA
 Thorsen MK See Middleton WD
 Thorsen MK See Ruskin JA
 Thorsen MK; Goodman LR: extracardiac complications of cardiac surgery. *Semin Roentgenol* 1988; 23: 32
 Thorsen MK; Goodman LR; Sagel SS; et al: ascending aorta complications of cardiac surgery: CT evaluation. *JCAT* 1986; 10: 219
 Thorstad B See Russell CD
 Thorstad BL; Keller FS: fistula from the superior mesenteric artery to duodenum: rare cause of death from pancreatic carcinoma. *Gastrointest Radiol* 1987; 12: 200
 Thorstad BL; Sakow N; Dubovsky EV; et al: pericholecystic hepatic activity sign in a normal DISIDA study: case report. *Clin Nucl Med* 1987; 12: 721
 Thorstensen K See Nordby A
 Thorvinger B; Lundstedt C; Martensson H: chest radiography in the carcinoid syndrome. *Acta Radiol* 1987; 28: 49
 Thorvinger B; Lytkens K; Samuelsson L: computed tomography of the thymus gland in myasthenia gravis. *Acta Radiol* 1987; 28: 399
 Thorvinger B; Samuelsson L; Skjaeris J: computed tomography of malignant ovarian disease. *Acta Radiol* 1987; 28: 739
 Thous Y See Avni EF
 Thouvenot P See Anghileri LJ
 Thrall JH See Burke MW
 Thrall JH; Ellis BL: skeletal metastases. *Radiol Clin North Am* 1987; 25: 1155
 Thraves PJ; Mossman KL; Frazier DT; et al: inhibition of potentially lethal radiation damage repair in normal and neoplastic human cells by 3-aminobenzamide: an inhibitor of poly(ADP-ribosylation). *Int J Radiat Oncol Biol Phys* 1986; 12: 1541
 Thron A See Gawehn J
 Thron A; Schroth G: magnetic resonance imaging (MRI) of diastematomyelia. *Neuroradiol* 1986; 28: 371
 Thrush AL; Marano GD: infantile intracranial aneurysm: report of a case and review of the literature. *AJNR* 1988; 9: 903
 Thueroff JW See Mueller SC
 Thomas K-A See Samuelsson L
 Thurer RL See Crivello MS
 Thurlbeck WM See Müller NL
 Thurmond AS See Rösch J
 Thurmond AS; Novy M; Rösch J: terbutaline in diagnosis of interstitial fallopian tube obstruction. *Invest Radiol* 1988; 23: 209
 Thurmond AS; Novy M; Uchida BT; Rösch J: fallopian tube obstruction: selective salpingography and recanalization. work in progress. *Radiology* 1987; 163: 511
 Thurmond AS; Rösch J; Patton PE; Barry KA; Novy M: fluoroscopic transcervical fallopian tube catheterization for diagnosis and treatment of female infertility caused by tubal obstruction. *Radiographics* 1988; 8: 621
 Thurnher S See Aufermann W
 Thurnher S See Chang YCF
 Thurnher S See Hricak H
 Thurnher S; Hricak H; Carroll FR; Fobiel RS; Filly RA: imaging the testis: comparison between MR imaging and US. *Radiology* 1988; 167: 631
 Thurnher S; Hricak H; Tanaghe EA: Mullerian duct cyst: diagnosis with MR imaging. *Radiology* 1988; 168: 25
 Thuroff JW See Mee SL

- Thyas A See Bruneton J-N
 Tian Z See Ehrhardt JC
 Tibblin S See Abu-Nema T
 Tibboel D; Gaillard J-L; Molenaar JC: importance of mesenteric vascular insufficiency in meconium peritonitis, (ab), *Radiology* 1986; 161: 858
 Tiel RL See Quint DJ
 Tien R; Barron BJ; Dhekne RD: Caffey's disease: nuclear medicine and radiologic correlation: a case of mistaken identity, *Clin Nucl Med* 1988; 13: 583
 Tierle AH See Golding RP
 Tierney AB; Palmer FJ: mycotic aneurysm of the right hepatic artery presenting with obstructive jaundice, *Australas Radiol* 1987; 31: 50
 Tietze P; Gratz K; Hundeshagen H: gastric ulcer localization by direct in vivo labeling of sucralate, *Radiology* 1986; 161: 569
 Tihansky DP See Berman HL
 Tihansky DP; Crossen J; Markowitz H: pseudotumor artifact of the dorsum sella in CT scanning, *Comput Radiol* 1987; 11: 241
 Tihansky DP; Liawor C: computed tomography follow-up of nonneoplastic treatment for hypersplenism, *CT* 1986; 10: 227
 Tikofsky RS See Collier BD
 Tikofsky RS See Goodman LR
 Tikofsky RS; Harsch HH; Goldstein MD; et al: CT, magnetic resonance imaging, and SPECT iodine-123 iodoamphetamine imaging of a patient with progressive cognitive deterioration, *Clin Nucl Med* 1987; 12: 463
 Tilden SJ See Hodak JA
 Tillapaugh-Fay G See Grossman ZF
 Tillapaugh-Fay G See Rosebrough SD
 Tilles-Borsich J See Remler MP
 Tilley EA; Adam EJ; Joseph AEA: case of the month: blindingly obvious, *Br J Radiol* 1988; 61: 87
 Tillisch J See Brunken R
 Tillisch J See Cho PS
 Tillotson CL; Geller SC; Kantrowitz L; et al: small bowel hemorrhage: angiographic localization and intervention, *Gastrointest Radiol* 1988; 13: 207
 Timmerman H See Pilate I
 Timmons JH; Hartsbome MF; Peters VJ; Cavithon MA; Bauman JM: muscle necrosis in the extremities: evaluation with Tc-99m pyrophosphate scanning—a retrospective review, *Radiology* 1988; 167: 173
 Timmons JH; Howard WH; Wright HR Jr: esophageal speech: double-contrast evaluation of the pharyngo-esophageal segment, *Radiology* 1986; 160: 852
 Timo T See Kaj R
 Timor-Tritsch IE; Rottem S: transvaginal ultrasonographic study of the fallopian tube, (ab), *Radiology* 1988; 166: 586
 Ting RS See Talbot AR
 Tinsley PP Jr See Conley J
 Tinus AMC See van der Meulen P
 Tio FO See Palmaz JC
 Tipler BM See Drane WE
 Tipton A; Goldman SM; Fishman EK; et al: cystic renal melanoma: CT/ultrasound correlation, *Urol Radiol* 1987; 9: 39
 Tirelli U See Veronesi A
 Tirone GM See Gulino LA
 Tischler R See Haase A
 Tischler R See Roschmann P
 Tisdale P See Burton BE
 Tisdale PL; Collier BD; Kauffman HM; et al: early diagnosis of acute postoperative renal transplant rejection by indium-111-labeled platelet scintigraphy, *J Nucl Med* 1986; 27: 1266
 Tisnado J See Baker KS
 Tisnado J See Cho S-R
 Tisnado J See Finnegan MF
 Tisnado J See Freeman MP
 Tisnado J See Henry DA
 Tisnado J See Ingram TL
 Tisnado J See LeBolt SA
 Tisnado J See Resnik CS
 Tisnado J See Robinson JM
 Tisnado J See Tripp MD
 Tisnado J; Cook DE; Cho SR; Bezirdjian D: general case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 181
 Titelbaum DS; Burke DR; Meranze SG; Saul SH: fibrolamellar hepatocellular carcinoma: pitfalls in nonoperative diagnosis, *Radiology* 1988; 167: 25
 Titelbaum DS; Hatahu H; Schiebler ML; et al: fibrolamellar hepatocellular carcinoma: MR appearance, *JCAT* 1988; 12: 588
 Tiu C-M See Chou Y-H
 Tiu S: false-positive gallium uptake in the lungs secondary to small bowel hernia, *Clin Nucl Med* 1987; 12: 764
 Tiu S; Friedman DM; Klein B; et al: lung scan in a cardiac patient with Glenn anastomosis, *Clin Nucl Med* 1987; 12: 567
 Tiu S; Klein B; Kramer EL; et al: renal uptake in liver scan, *Semin Nucl Med* 1986; 16: 80
 Tiu S; Srinivasan I; Banner HJ; et al: breakdancer's pulmonary embolism, *Clin Nucl Med* 1986; 11: 402
 Tiu S; Toth FJ; Banner HJ; et al: aortic aneurysm dissection causing V/Q mismatch, *Clin Nucl Med* 1988; 13: 190
 Tjan AHL See Hinshaw DB Jr
 Tjellström A See Jacobsson M
 Tjonneland S See Smervik B
 Tkach J See Hopkins AL
 Tkach JA; Haacke EM: comparison of fast spin echo and gradient field echo sequences, *Magn Res Imag* 1988; 6: 373
 Toaff ME See Lev-Toaff AS
 Tobben FJ; Zajko AB; Sumkin JH; Bowen A; Fuhrman CR; Skolnick ML; Bron KM; Esquivel CO; Starzl TE: pseudoaneurysms complicating organ transplantation: roles of CT, duplex sonography, and angiography, *Radiology* 1988; 169: 65
 Tobes MC See Mangner TJ
 Tobes MC See Shulkin BL
 Tobias J See Pomeranz SJ
 Tobias JA See Post MJD
 Tobias JS: radiotherapy and breast conservation, *Br J Radiol* 1986; 59: 653
 Tobin KD See Mirvis SE
 Tobin KD; Rosenbaum RC: unusual liver configuration secondary to radiation therapy in childhood, *Clin Nucl Med* 1988; 13: 63
 Tobin KD; Young JWR: bowler hat: valid sign of colonic polyp?, *Gastrointest Radiol* 1987; 12: 250
 Tobin M See Kushner M
 Tobin M See Mitchell DG
 Tobin M; Velchik MG; Powe J; et al: cholecystographic pattern of small bowel obstruction, *Clin Nucl Med* 1987; 12: 223
 Tobin MV See Mendelson RM
 Tobin RS See Vogelzang RL
 Tobin RS; Vogelzang RL; Gore RM; et al: comparative study of computed tomography and ERCP in pancreaticobiliary disease, *CT* 1987; 11: 261
 Tobler J; Levitt RG; Glazer HS; et al: differentiation of proximal bronchogenic carcinoma from postobstructive lobar collapse by magnetic resonance imaging: comparison with computed tomography, *Invest Radiol* 1987; 22: 538
 Tochner Z See Carmichael J
 Tochner Z See Russo A
 Tocino I See Rollins RJ
 Tocino IM See Haug FJ
 Tocino IM; Miller MH: computed tomography in blunt chest trauma, *J Thorac Imag* 1987; 2: 45
 Tocino IM; Miller MH: mediastinal trauma and other acute mediastinal conditions, *J Thorac Imag* 1987; 2: 79
 Tocino IM; Watanabe A: impending catheter perforation of superior vena cava: radiographic recognition, *AJR* 1986; 146: 487
 Todd LE See Elinondo G
 Todd LE See Stark DD
 Todd LE See Weissleder R
 Todd MB; Portlock CS; Farber LR; et al: prognostic indicators in diffuse large-cell (histiocytic) lymphoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 593
 Todd NW See Orr JB
 Todd TRJ See Cooper JD
 Todd TRJ See Rice TW
 Todesco S See Corbetti F
 Todo A See Kudo M
 Todo G See Murata K
 Todo G; Herman PG: high-resolution computed tomography of the pig lung, *Invest Radiol* 1986; 21: 669
 Todo S See Hibi S
 Todo Y; Ohyanagi M; Fujisue R; et al: radionuclear measurement of peripheral hemodynamics in selection of vasculature for treatment of heart failure, *J Nucl Med* 1988; 29: 451
 Todo Y; Tanimoto M; Yamamoto T; et al: radionuclide assessment of peripheral hemodynamics: new technique for measurement of forearm blood volume and flow, *J Nucl Med* 1986; 27: 192
 Todros T; Ferrazzi E; Grolli C; et al: fitting growth curves to head and abdomen measurements of the fetus: multicentric study, *JCU* 1987; 15: 95
 Toffel GJ; Biller J; Adams HP Jr: nontraumatic intracerebral hemorrhage in young adults, (ab), *Radiology* 1987; 165: 887
 Tofts PS See Johnson G
 Tofts PS See Waller ML
 Tofts PS; Wray S: noninvasive measurement of molar concentrations of ^{31}P metabolites in vivo, using surface coil NMR spectroscopy, *Magn Res Med* 1988; 6: 84
 Togashi K See Fujisawa I
 Togashi K See Itoh K
 Togashi K See Minami S
 Togashi K See Nakano Y
 Togashi K See Nishimura K
 Togashi K See Noma S
 Togashi K; Nishimura K; Itoh K; et al: computed tomography of hydrosalpinx following tubal ligation, *JCAT* 1986; 10: 78
 Togashi K; Nishimura K; Itoh K; Fujisawa I; Noma S; Kanaoka M; Nakano Y; Itoh H; Ozasa H; Fujii S; Mori T: adenomyosis: diagnosis with MR imaging, *Radiology* 1988; 166: 111
 Togashi K; Nishimura K; Itoh K; Fujisawa I; Sago T; Minami S; Nakano Y; Itoh H; Torizuka K; Ozasa H: ovarian cystic teratoma: MR imaging, *Radiology* 1987; 162: 669
 Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Nakano Y; Itoh H; Torizuka K; Ozasa H; Mori T: uterine cervical cancer: assessment with high-field MR imaging, *Radiology* 1986; 160: 431
 Togashi K; Nishimura K; Itoh K; Fujisawa I; Nakano Y; Torizuka K; Ozasa H; Ohshima M: vaginal agenesis: classification by MR imaging, *Radiology* 1987; 162: 675
 Togashi K; Nishimura K; Nakano Y; et al: cystic pedunculated leiomyomas of the uterus with unusual CT manifestations, *JCAT* 1986; 10: 642
 Togashi K; Noma S; Ozasa H: CT and MR demonstration of nabothian cysts mimicking a cystic adnexal mass, *JCAT* 1987; 11: 1091
 Tohgi H See Kuroiwa Y
 Toi A See Fitzgerald EJ
 Toi A See Goldstein RB
 Toi A See Lowry JA
 Toi A See Ramsawak W
 Toi A: atlas of fetal sectional anatomy with ultrasound and magnetic resonance, *Radiology* 1987; 164: 368
 Toi A: human prenatal diagnosis, *Radiology* 1986; 161: 810
 Toi A: neurosonography of the pre-term neonate, *Radiology* 1987; 162: 460
 Toi A: principles and practice of ultrasonography in obstetrics and gynecology, 3d ed., *Radiology* 1986; 159: 106
 Toi A: spontaneous resolution of fetal ventriculomegaly in a diabetic patient, *J Ultrasound Med* 1987; 6: 37
 Toi A: ultrasound-guided biopsy and drainage, *Radiology* 1987; 163: 140
 Toi A: ultrasound in perinatology, *Radiology* 1987; 163: 148
 Tokars RP See Brand WN
 Tokiguchi S; Ando K; Tsuchiya T; et al: fat in the dural sinus—CT and anatomical correlations, *Neuroradiol* 1988; 30: 78
 Tokita N; Raju MR: biological dosimetry at the tissue-barium sulphate interface: a jejunal crypt survival assay, *Br J Radiol* 1988; 61: 169
 Tokuhira T See Okunieff P
 Tokunaga K See Kuroda C
 Tolentino CS See Godwin JD
 Tolentino CS See Jeffrey RB Jr
 Tolentino CS See Olsen WL
 Tolly E See Ebner F
 Tolly TL; Feldmeier JE; Czarnecki D: air embolism complicating percutaneous lung biopsy, *AJR* 1988; 150: 535
 Toio VT See McCarthy EF
 Tomaru T See Uchida Y
 Tomaszewski JF Jr; Cohen AM; Doershuk CF: long-term histopathologic follow-up of bronchial arteries after therapeutic embolization with polyvinyl alcohol (Ivalon) in patients with cystic fibrosis, (ab), *Radiology* 1988; 169: 287
 Tomasini J See Griend RV
 Tomas-Ridocci M See Moreno-Onset E
 Tomaszewski JE See Amendola MA
 Tombolini V; Banelli E; Capua A; et al: radiation treatment of testicular relapse in acute lymphoblastic leukemia, *Acta Oncol* 1986; 25: 29
 Tome M See Nori D
 Tomiguchi S See Takahashi M
 Tomita S See Karasawa H
 Tomita S See Kudo M
 Tomita T See Radkowski MA
 Tomiyasu U See Anders KH
 Tomlinson JR See Miller KS
 Tomlinson MJ; Bullimore JA: adrenal-cell carcinoma and rhabdomyosarcoma occurring in father and daughter: "SBLA" syndrome?, *Br J Radiol* 1987; 60: 89
 Tommasi M See Maffessanti M
 Tommasi MS See Becciolini A
 Tomooka Y; Koga T; Shimoda Y; et al: ultrasonic demonstration of acute multiple gastric ulcers in a child, *Br J Radiol* 1987; 60: 290
 Tomooka Y; Onitsuka H; Goya T; et al: congenital hemihypertrophy with adrenal adenoma and medullary sponge kidney, *Br J Radiol* 1988; 61: 851

Tompa

- Tompa K See Passtor E
- Toms M See Lyons EA
- Tomura N; Uemura K; Inugami A; Fujita H; Higano S; Shishido F: early CT finding in cerebral infarction: obscuration of the lentiform nucleus, *Radiology* 1988; 168: 463
- Tonami H; Nakagawa T; Ohguchi M; et al: surface coil MR imaging of orbital blowout fractures: comparison with reformat CT, *AJNR* 1987; 8: 445
- Tonami H; Nakagawa T; Yamamoto I; et al: MR imaging of morning glory syndrome, *JCAT* 1987; 11: 529
- Tonami N See Nakajima K
- Tonami N See Taki J
- Tondreau RL See Warren SR Jr
- Tong ECK; Son Y-O; Lee CHS: simplified method of assessing hemodynamics in technetium-99m sulfur colloid liver imaging, *Clin Nucl Med* 1987; 12: 723
- Tonge HM; Wladimiroff JW; Noordam MJ; et al: fetal cardiac arrhythmias and their effect on volume blood flow in descending aorta of human fetus, *JCU* 1986; 14: 607
- Tonkin AK See Fitch SJ
- Tonkin IL; Stapleton FB; Roy S III: digital subtraction angiography in the evaluation of renal vascular hypertension in children, (ab), *Radiology* 1988; 168: 591
- Tonkin ILD See Ferris EJ
- Tonkin ILD See Fitch SJ
- Tonkin ILD See Gavan ML
- Tonkin ILD; Fitch SJ; Magill HL; et al: pediatric digital subtraction angiography: intraarterial and intracardiac applications, *Pediatr Radiol* 1986; 16: 126
- Tonkin ILD; Wrenn EL Jr; Hollabaugh RS: continued value of angiography in planning surgical resection of benign and malignant hepatic tumors in children, *Pediatr Radiol* 1988; 18: 35
- Tønnesen KH; Sager P; Karle A; et al: percutaneous transluminal angioplasty of the superficial femoral artery by retrograde catheterization via the popliteal artery, *Cardiovasc Intervent Radiol* 1988; 11: 127
- Toohill RJ See Kun LE
- Toole JF See Howard G
- Tooley WH See Avery ME
- Toomey FB; Bailey LL; Bul RD; et al: chest radiography in infant cardiac allotransplantation, *AJR* 1988; 150: 369
- Toonkel LM; Fix I; Jacobson LH; et al: locally advanced breast carcinoma: results with combined regional therapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 1583
- Toonkel LM; Fix I; Jacobson LH; et al: management of elderly patients with primary breast cancer, *Int J Radiat Oncol Biol Phys* 1988; 14: 677
- Toonkel LM; Soila K; Gilbert D; et al: MRI assisted treatment planning for radiation therapy of the head and neck, *Magn Res Im* 1988; 6: 315
- Toor AH See Shah ZR
- Toplis PJ See Alcock CJ
- Topol EJ See Fung AY
- Topol EJ See Grines CL
- Topol EJ; Biern RO; Rietz BA: cardiac papillary fibroelastoma and stroke: echocardiographic diagnosis and guide to excision, (ab), *Radiology* 1986; 160: 286
- Torg JS See Pavlov H
- Torg JS See Rogers LF
- Torgerson WR See Lo TCM
- Toriuni DM See Hollinger LD
- Torizuka K See Aoki J
- Torizuka K See Fujisawa I
- Torizuka K See Hayaashi N
- Torizuka K See Itoh K
- Torizuka K See Kudo M
- Torizuka K See Murata K
- Torizuka K See Nakano Y
- Torizuka K See Nishimura K
- Torizuka K See Noma S
- Torizuka K See Togashi K
- Torno FB See Jimenez-Cruz JF
- Tornberg SA; Carstensen JM; Holm L-E: risk of stomach cancer in association with serum cholesterol and beta-lipoprotein, *Acta Oncol* 1988; 27: 39
- Törnberg SA; Holm L-E; Carstensen JM: breast cancer risk in relation to serum cholesterol, serum beta-lipoprotein, height, weight, and blood pressure, *Acta Oncol* 1988; 27: 31
- Torner JC See Adams HP Jr
- Torc N See Kumar A
- Torp-Pedersen S See Karstrup S
- Torp-Pedersen ST See Lee F
- Torp-Pedersen ST; Lüttrich PJ; Lee F; Mettlin C: early prostate cancer: diagnostic costs of screening transrectal US and digital rectal examination, *Radiology* 1988; 169: 351
- Torres WE See Bernardino ME
- Torres WE See Chezman JL
- Torres WE; Evert MB; Baumgartner BR; et al: percutaneous aspiration and drainage of pancreatic pseudocysts, *AJR* 1986; 147: 1007
- Torres WE; Fibus TF; Coleman JJ III; et al: radiographic evaluation of the free jejunal graft, *Gastrointest Radiol* 1987; 12: 226
- Torres WE; Gaylord GM; Whitmore LF; et al: correlation between MR and angiography in portal hypertension, *AJR* 1987; 148: 1109
- Torres WE; Maurer DE; Steinberg HV; et al: CT of aortic aneurysms: the distinction between mural and thrombus calcification, *AJR* 1988; 150: 1317
- Torres WE; Whitmore LF; Gedgaudas-McCles K; et al: computed tomography of hepatic morphologic changes in cirrhosis of the liver, *JCAT* 1986; 10: 47
- Torricelli P; Spina V; Martinelli C: CT diagnosis of lumbosacral conjoined nerve roots: findings in 19 cases, *Neuroradiol* 1987; 29: 374
- Torristi J; Berg C; Harter K; et al: phase I combined modality clinical trial of alpha-2-interferon and radiotherapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 1453
- Torstila I See Aronen HJ
- Tortora M See Chervenak FA
- Torvaldsen S; McCauley J; Patel AS; et al: assessment of cervical carotid artery disease: comparison between the Doppler "echoflow" and conventional angiography, (ab), *Radiology* 1986; 158: 860
- Toth PJ See Tiu S
- Toth Z; Csencsek K; Szeifert G; et al: early prenatal diagnosis of cyclopa associated with holoprosencephaly, *JCU* 1986; 14: 550
- Totterman S See Hardy CJ
- Totterman S See Katzberg RW
- Totterman S See Kinnunen J
- Totterman S See Simon J
- Totty WG See Gilula LA
- Totty WG See Gohagan JK
- Totty WG See Hardy CJ
- Totty WG See Monsees B
- Totty WG See Murphy WA
- Totty WG See Reiman TH
- Totty WG See Reinas WR
- Totty WG See Wilson AJ
- Totty WG; Murphy WA; Lee JKT: soft-tissue tumors: MR imaging, *Radiology* 1986; 160: 135
- Toubas O See Fornage BD
- Touel H See Furse M
- Touho H; Karasawa J; Nakagawa J; Tazawa T; Yamada K; Kuriyama Y; Asai M; Kagawa M; Kobayashi K; Yanase H: mapping of local cerebral blood flow with stable xenon-enhanced CT and the curve-fitting method of analysis, *Radiology* 1988; 168: 207
- Touho H; Karasawa J; Shishido H; et al: transbrachial artery approach for selective cerebral angiography in outpatients, *AJNR* 1988; 9: 334
- Tourje EJ See Pressman BD
- Tournade A See Courtheoux P
- Tournade A; Courtheoux P; Tajahmady T; et al: chemoembolization of malignant facial tumours: a preliminary study in 47 patients, *J Neuroradiol* 1987; 14: 125
- Tournade A; Zenglein JP; Braun JP; et al: angioplastie endo-luminale percutanee des arteres vertebrales et sous-clavieres (percutaneous transluminal angioplasty of the vertebral and subclavian arteries: an angiographic-velocimetry comparison), *J Neuroradiol* 1986; 13: 95
- Toussaint C See Van Gansbeke D
- Touya JJ; Corbus HF; Savala KM; et al: single photon emission computed tomography in the diagnosis of pulmonary thromboembolism, *Semin Nucl Med* 1986; 16: 306
- Touya JJ; Rahimian J; Corbus HF; et al: lung as a metabolic organ, *Semin Nucl Med* 1986; 16: 296
- Tovi F See Hertzanzu Y
- Tow DE See Ahn C-S
- Tow DE See Cronin EB
- Tow DE See Edeburn GF
- Towbin JA; Huhta JC; Nihill MR: anomalous course of the brachiocephalic vein diagnosed by two-dimensional echocardiography in a child with left atrial isomerism and right aortic arch, *JCU* 1987; 15: 544
- Towbin RB See Ball WS Jr
- Towbin RB See Bisset GS III
- Towbin RB See Egelhoff JC
- Towbin RB See Ey EH
- Towbin RB See Han BK
- Towbin RB See Kaufman RA
- Towbin RB See Meservy CJ
- Towbin RB See Stalker HP
- Towbin RB See Strife JL
- Towbin RB; Ball WS Jr: new pediatric 5-F drainage system, *Radiology* 1987; 163: 827
- Towbin RB; Ball WS Jr: pediatric interventional radiology, *Radiol Clin North Am* 1988; 26: 419
- Towbin RB; Ball WS Jr; Bisset GS III: percutaneous gastrostomy and percutaneous gastrojejunostomy in children: antegrade approach, *Radiology* 1988; 168: 473
- Towbin RB; Ball WS Jr; Kaufman RA: pediatric case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 385
- Towbin RB; Ball WS Jr; Kaufman RA: pediatric case of the day: annual meeting, 1986, *Radiographics* 1987; 7: 818
- Towbin RB; Ball WS Jr; Witte DF; Han BK: pediatric case of the day: annual meeting, 1987, *Radiographics* 1988; 8: 573
- Towbin RB; Benton C; Ball WS Jr; Han BK: pediatric case of the day, annual meeting, 1987, *Radiographics* 1988; 8: 1221
- Towbin RB; Bisset GS III: pediatric case of the day, annual meeting, 1985, *Radiographics* 1986; 6: 1100
- Towbin RB; Han BK; Kaufman RA; Burke M: postseptal cellulitis: CT in diagnosis and management, *Radiology* 1986; 158: 735
- Towbin RB; Wackman J; Ball WS Jr: percutaneous pyeloplasty in children: experience in three patients, *Radiology* 1987; 163: 381
- Towers MJ; Daly B: rapid slide reproduction of text and radiographs, *Br J Radiol* 1987; 60: 493
- Towfighi J See Mamourian AC
- Townsend D; Frey P; Jeavons A; et al: high density avalanche chamber (HIDAC) positron camera, *J Nucl Med* 1987; 28: 1554
- Townsend RR See Jeffrey RB Jr
- Townsend RR; Filley RA; Callen FW; et al: factors affecting prenatal sonographic estimation of weight in extremely low birthweight infants, *J Ultrasound Med* 1988; 7: 183
- Townsend RR; Laing FC; Jeffrey RB Jr: placental abruption associated with cocaine abuse, *AJR* 1988; 150: 1339
- Townsend RR; Laing FC; Nyberg DA; Jeffrey RB Jr; Wing VW: technical factors responsible for "placental migration": sonographic assessment, *Radiology* 1986; 160: 105
- Townsend RR; Simpson GF; Filley RA: membrane thickness in ultrasound prediction of chorionicity of twin gestations, *J Ultrasound Med* 1988; 7: 327
- Toyama H See Hosoba M
- Toyama WM See Hubert BC
- Toyosaki N See Iino T
- Toyoshima H See Manabe A
- Tozzi JE See El-Khoury GY
- Tracy BL See Huda W
- Tratlet R; Desai A; Park C: spontaneous osteonecrosis of the knee: scintigraphic findings, *Clin Nucl Med* 1987; 12: 525
- Trabey GE See Smith SW
- Trail MR See Runge VM
- Trail TT See Yousef D
- Train JS See Dan SJ
- Train JS See Gould J
- Train JS See Mitty HA
- Train JS; Dan SJ; Mitty HA; Dikman SH; Harrington EB; Miller CM; Jacobson JH II: occlusion during iliac angioplasty: a salvageable complication, *Radiology* 1988; 168: 131
- Train JS; Novick A; Dan SJ; et al: radiolucency in the common bile duct simulating a gallstone, *AJR* 1987; 148: 136
- Trisman ES; Conway JJ; Trisman HS; et al: localization of urinary tract infection with ^{99m}Tc glucoheptonate scintigraphy, *Pediatr Radiol* 1986; 16: 403
- Trisman HS See Trisman ES
- Trakadas S See Papavasiliou C
- Trambert JJ; Bron KM; Zajko AB; et al: percutaneous transhepatic balloon dilatation of benign biliary strictures, *AJR* 1987; 149: 945
- Tran L; Sadeghi A; Hanson D; et al: major salivary gland tumors: treatment results and prognostic factors, (ab), *Radiology* 1987; 164: 591
- Traugher P See Shultz S
- Traugher PD; Cook PS; Micklos TJ; et al: intraarterial fibrinolytic therapy for popliteal and tibial artery obstruction: comparison of streptokinase and urokinase, *AJR* 1987; 149: 453
- Traugher PD; Manaster BJ; Murphy K; et al: negative bone scans of joints after aspiration or arthrography: experimental studies, *AJR* 1986; 146: 87
- Traugher PD; Wojtowycz MM; Karwande SV; et al: enlarging mediastinal mass, *Invest Radiol* 1987; 22: 240
- Traveria-Cros A See Fandos-Morera A
- Traverso LW See Freeny PC
- Travis EL See Terry NHA
- Travis EL; Fang M-Z; Basic I: protection of mouse bone marrow by WR-2721 after fractionated irradiation, *Int J Radiat Oncol Biol Phys* 1988; 15: 377

- Travis EL; Newman RA; Helbing SJ; WR 2721 modification of type II cell and endothelial cell function in mouse lung after single doses of radiation, *Int J Radiat Oncol Biol Phys* 1987; 13: 1335
- Travis EL; Thames HD Jr; Tucker SL; et al: protection of mouse jejunal crypt cells by WR-2721 after small doses of radiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 807
- Travis RC: unusual cause of gastrointestinal haemorrhage, *Br J Radiol* 1987; 60: 933
- Travis RC; Byrne P: cauda equina syndrome: a rare extra-articular manifestation of ankylosing spondylitis—a case report, *Australas Radiol* 1987; 31: 395
- Travis RC; Wattie WJ: aorto-enteric fistula, *Australas Radiol* 1987; 31: 271
- Traxler M See Gritzmman N
- Traxnor O See Gugenheim J
- Treacher DF; Chapman JR; Nolan DJ; et al: irritable bowel syndrome: is a barium enema necessary?, *Clin Radiol* 1986; 37: 87
- Trebo S See Henriksen LH
- Trecco F See Passariello R
- Tredaniel J See Buchet R
- Trefler M; Yrizarry JM: evaluation of dry silver hard copies in digital radiography, *AJR* 1987; 149: 853
- Treilber EO See Raleigh JA
- Treisch J See Schorner W
- Treisch J See Weiss T
- Tremewan RN: computed tomography in radiotherapy treatment planning, *Australas Radiol* 1988; 32: 50
- Trenchard PM: ultrasound-induced light transmission change within platelet suspensions as an indirect measure of platelet morphology: preliminary correlation with stirring-induced light transmission change, *Ultrasound Med Biol* 1987; 13: 197
- Trenchard PM: ultrasound-induced orientation of discoid platelets and simultaneous changes in light transmission: preliminary characterisation of the phenomenon, *Ultrasound Med Biol* 1987; 13: 183
- Trenkner SW; Braunstein EM; Lynn MD; et al: group G streptococcal arthritis and bowel disease: rare enteropathic arthropathy, *Gastrointest Radiol* 1987; 12: 265
- Trentham DE See Weinblatt ME
- Trenschuk-Bahn J See Spencer RP
- Tress BM See Davis SM
- Tress BM See Hopper JL
- Tress BM; Davis S; Lavain J; et al: incremental dynamic computed tomography: practical method of imaging the carotid bifurcation, *AJNR* 1986; 7: 49
- Treu EBW; de Slegte RGM; Golding RP; et al: CT findings in paravertebral synovial sarcoma, *JCAT* 1986; 10: 460
- Treurniet-Donker AD; Helle PA; van Putten WLJ: adjuvant post-operative radiotherapy in operable node positive mammary cancer: comparison of three treatment protocols, *Int J Radiat Oncol Biol Phys* 1986; 12: 2067
- Trevenen CL See Amundson GM
- Treves ST See Ben Ami T
- Treves ST See Edeburn GF
- Treves ST See Flynn BM
- Treves ST See Kuruc A
- Treves ST See Markisz JA
- Treves ST See Nussbaum AR
- Treves ST See Packard AB
- Treves ST See Summerville DA
- Treves ST See Van den Abbeele AD
- Treves T See Inzelberg R
- Trevi G See Sheiban I
- Treweeke PS See McIvor J
- Treweeke PS See Thomas ML
- Treweeke PS; Thomas ML: incidence of cardiac arrhythmias during intravenous digital subtraction angiography: comparison of peripheral and central injections, *J Canad Assoc Radiol* 1986; 37: 83
- Trewella M; Forsling M; Richards D; et al: dehydration, antidiuretic hormone and the intravenous urogram, *Br J Radiol* 1987; 60: 445
- Trey C See Stark DD
- Tribakalt B See Hammarberg C
- Triche TJ See Stea B
- Triche TJ: morphologic tumor markers, (ab), *Radiology* 1988; 166: 296
- Trigaux J-P See Van Beers B
- Trigaux JP; Schoevaerdts JC; van Beers B; et al: pitfalls of digital angiography in the diagnosis of right aortic arch, *Eur J Radiol* 1987; 7: 216
- Triller J See Do-dai-Do
- Tripi D See Perri G
- Tripp MD; Tisnado J; Bezdjian DR; et al: retrograde venous bullet embolization: a rare occurrence, *J Canad Assoc Radiol* 1987; 38: 292
- Trisolini MG; Boswell SB; Johnson SK; McNeil BJ: radiology work-load measurements reflecting variables specific to hospital, patient, and examination: results of a collaborative study, *Radiology* 1988; 166: 247
- Tristram M; Barbosa DC; Cosgrove DO; et al: ultrasonic study of in vivo kinetic characteristics of human tissues, *Ultrasound Med Biol* 1986; 12: 927
- Triulzi F; Franceschi M; Fazio F; Del Maschio A: nonrefractory temporal lobe epilepsy: 1.5-T MR imaging, *Radiology* 1988; 166: 181
- Troell S See Johansson B
- Troell S; Berg U; Johansson B; et al: renal parenchymal volume in children: normal values assessed by ultrasonography, *Acta Radiol* 1988; 29: 127
- Trojanowski JQ See Braffman BH
- Trombley BA; Marcus CS; Koci T: unexpected demonstration of superior vena caval obstruction in third trimester lung imaging, *Clin Nucl Med* 1988; 13: 407
- Tron V See Churg A
- Troop AC See Brooks PT
- Tropp JS; Sugiyama S; Derby KA; Suzuki Y; Hawrylyczko C; Yamagata H; Klein JE; Ortendahl DA; Kaufman L; Acosta GF: characterization of MR spectroscopic imaging of the human head and limb at 2.0 T, *Radiology* 1988; 169: 207
- Troster MM See Guindini MM
- Trott KR See Dale RG
- Trott K-R See Lauk S
- Trott K-R: radiation—chemotherapy interactions, *Int J Radiat Oncol Biol Phys* 1986; 12: 1409
- Trott K-R; Breiter N; Spiethoff A: experimental studies on the pathogenesis of the chronic radiation ulcer of the large bowel in rats, *Int J Radiat Oncol Biol Phys* 1986; 12: 1637
- Trotta F See Scutellari PN
- Trouerbach WT; Birkenhager JC; Schmitz PIM; et al: cross-sectional study of age-related loss of mineral content of phalangeal bone in men and women, *Skeletal Radiol* 1988; 17: 338
- Trouerbach WT; Graubius JL; Zwamborn AW; et al: microdensitometric analysis of bone structures in x-ray images, *Skeletal Radiol* 1987; 16: 190
- Trounce JQ See Levene MI
- Trounce JQ; Levene MI: diagnosis and outcome of subcortical cystic leucomalacia, (ab), *Radiology* 1986; 160: 288
- Troupp H See Lassonen EM
- Trová MG See De Paoli A
- Troy KM See Som PM
- Trudinger BJ See Thompson RS
- True LD See Wanhauer DM
- Tsac RC Jr See Wolfson BJ
- Trump D See Glover D
- Truong LD See Alpert LC
- Trusler GA See Watanabe T
- Truss CD See Wilcox CM
- Truwitt CL; Hartshorne MF; Peters VJ: subcutaneous ossification of the legs examined by SPECT, *Clin Nucl Med* 1988; 13: 423
- Trybus M; Mettler JA Jr; Kelsey C: radiologist and angiographic procedures: absorbed radiation dose, *Invest Radiol* 1987; 22: 747
- Tryka AF See Williamson SL
- Tsai FY See Higashida RT
- Tsai FY; Matovich V; Hieshima G; et al: percutaneous transluminal angioplasty of the carotid artery, *AJNR* 1986; 7: 349
- Tsai FY; Myers TV; Ashraf A; Shah DC: aberrant placement of a Kimray-Greenfield filter in the right atrium: percutaneous retrieval, *Radiology* 1988; 167: 423
- Tsai J See Tarver RD
- Taan M-F See Scheffel U
- Taan M-F; Scheffel U: mechanism of gallium-67 accumulation in tumors, *J Nucl Med* 1986; 27: 1215
- Tsang RC See Specker BL
- Tsang RC See Steichen JJ
- Tsang T-K See Agha FP
- Tsang T-K See Ghahremani GG
- Tsang Y-M See Shen J-C
- Tsang Y-M; Stark DD; Chen MC-M; Weinsieder R; Wittenberg J; Ferracci JT: hepatic micrometastases in the rat: ferrite-enhanced MR imaging, *Radiology* 1988; 167: 21
- Ts'ao C-H See Ward WF
- Tsay D-G See Schmidt HC
- Tsay D-G; Niederman C; Schmidt H; et al: experimental acute pancreatitis: in vitro magnetic resonance characteristics, *Invest Radiol* 1987; 22: 556
- Tschappeler H See Vock P
- Tscholakoff D See Aherne T
- Tscholakoff D See Caputo GR
- Tscholakoff D See Dooms GC
- Tscholakoff D See Fruhwald FXJ
- Tscholakoff D See Hricak PC
- Tscholakoff D See Hixek H
- Tscholakoff D See McNamara MT
- Tscholakoff D See Richards T
- Tscholakoff D See Sechtem U
- Tscholakoff D See von Schulthess GK
- Tscholakoff D; Higgins CB; McNamara MT; Derugin N: early-phase myocardial infarction: evaluation by MR imaging, *Radiology* 1986; 159: 667
- Tscholakoff D; Higgins CB; Sechtem U; et al: MRI of reperused myocardial infarct in dogs, *AJR* 1986; 146: 923
- Tscholakoff D; Higgins CB; Sechtem U; McNamara MT: occlusion and reperused myocardial infarcts: effect of Gd-DTPA on ECG-gated MR imaging, *Radiology* 1986; 160: 515
- Tscholakoff D; Hricak H; Thoeni K; et al: MR imaging in the diagnosis of pancreatic disease, *AJR* 1987; 148: 703
- Tscholakoff D; Sechtem U; de Geer G; et al: evaluation of pleural and pericardial effusions by magnetic resonance imaging, *Eur J Radiol* 1987; 7: 169
- Tschudin RG See Lyon RC
- Tee GM See Zador IE
- Techkovski M See Miller AB
- Teng A See Lyding JM
- Tahibwabwa-Tumba E See Marchal GJF
- Taifels D See Frantzides CT
- Tairulnikov E; Vartanyan IA; Gersuni GV; et al: use of amplitude-modulated focused ultrasound for diagnosis of hearing disorders, *Ultrasound Med Biol* 1988; 14: 277
- Tsu W-K See Chan F-L
- Tsui CV See Fox SA
- Tsounis S See Karacostas D
- Tsuchigame T See Takahashi M
- Tsuchiya K See Furi S
- Tsuchiya K; Yamauchi T; Furi S; et al: MR imaging vs CT in subacute sclerosing panencephalitis, *AJNR* 1988; 9: 943
- Tsuchiya T See Tekiguchi S
- Tsuchiya Y See Ebara M
- Tsuha M; Aoki H; Okamura T: roentgenological investigation of cavernous sinus structure with special reference to paracavernous cranial nerves, *Neuroradiol* 1987; 29: 462
- Tsuha M; Kashiwagi S; Kato S; et al: traumatic arterio-venous fistula with false aneurysm in neurofibromatosis, *Neuroradiol* 1988; 30: 88
- Tsui BMW See Gilland DR
- Tsui BMW; Gullberg GT; Edgerton ER; et al: design and clinical utility of a fan beam collimator for SPECT imaging of the head, *J Nucl Med* 1986; 27: 810
- Tsuji A See Yamauchi Y
- Tsujimoto F See Miyamoto Y
- Tsukamoto Y See Inoue Y
- Tsukamoto Y See Murayama S
- Tsukino H See Kusumoto S
- Tsukiyama I See Egawa S
- Tsukiyama I; Akine Y; Kajura Y; et al: radiation therapy for advanced gastric cancer, *Int J Radiat Oncol Biol Phys* 1988; 15: 123
- Tsunoka Y See Kim B-H
- Tsuneyoshi M; Dorfman HD: epiphyseal osteosarcoma: distinguishing features from clear cell chondrosarcoma, chondroblastoma, and epiphyseal enchondroma, (ab), *Radiology* 1987; 165: 886
- Tsuruda JS See Bradley WG Jr
- Tsuruda JS See Teitelbaum GP
- Tsuruda JS; Bradley WG: MR detection of intracranial calcification: a phantom study, *AJNR* 1987; 8: 1049
- Tsuruda JS; Halbach VW; Higashida RT; et al: MR evaluation of large intracranial aneurysms using cine low flip angle gradient-refocused imaging, *AJNR* 1988; 9: 415
- Tsuruda JS; Kortman KE; Bradley WG; et al: radiation effects on cerebral white matter: MR evaluation, *AJNR* 1987; 8: 431
- Tsuruta T See Kozlowski K
- Tsutsumi K; Komuro C; Ono K; et al: chemosensitization by buthionine sulfoximine in vivo, *Int J Radiat Oncol Biol Phys* 1986; 12: 1183
- Tsutsumi A See Mitchell LL
- Tsyt AF; Slesarev VI; Komarevskiy VN: transvaginal longitudinal ultrasonography in diagnosis of carcinoma of the urinary bladder, *J Ultrasound Med* 1988; 7: 179
- Tu HK See Kaplan PA
- Tuazon CU; Delaney MD; Simon GL; et al: utility of gallium-67 scintigraphy and bronchial washings in the diagnosis and treatment of *Pneumocystis carinii* pneumonia in patients with the acquired immune deficiency syndrome, (ab), *Radiology* 1986; 159: 569
- Tubbs CO See Curry NS
- Tubiana M See Wasserman TH
- Tubiana M: European Organization for Research and Treatment of Cancer (EORTC), *Int J Radiat Oncol Biol Phys* 1988; 14: S13
- Tubiana M: repopulation in human tumors: a biological background for fractionation in radiotherapy, *Acta Oncol* 1988; 27: 83
- Tubiana M; Arriagada R; Sarrazin D: human cancer natural history, radiation induced immunodepression and post-operative radiation therapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 477

- Tubiana M; Carde P; Burgers JMV; et al: prognostic factors in non-Hodgkin's lymphoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 503
- Tucci G See Bezi M
- Tuchman M See Woods WG
- Tuck JS; Boobis LH: case report: interstitial emphysema of the stomach due to perforated appendicitis. *Clin Radiol* 1987; 38: 315
- Tuck SM: ultrasound monitoring of fetal behaviour. *Ultrasound Med Biol* 1986; 12: 307
- Tucker AK See Hunter JV
- Tucker AK: annotation: population screening by mammography. *Clin Radiol* 1987; 38: 215
- Tucker BL See Gilsanz V
- Tucker GF See Fernbach SK
- Tucker GF See Hernandez RJ
- Tucker GF Jr See Schlesinger AE
- Tucker JA See Genkins SM
- Tucker SL See Terry NHA
- Tucker SL See Travis EL
- Tucker WG See Alcock MK
- Tucker WS See Miller MH
- Tuckman GA See Bankoff MS
- Tuddenham WJ: editor's page. *Radiographics* 1987; 7: 622
- Tuddenham WJ: award winning Scientific Exhibits—1985. *Radiographics* 1986; 6: 151
- Tuddenham WJ: award winning Scientific Exhibits—1986. *Radiographics* 1987; 7: 239
- Tuddenham WJ: award winning Scientific Exhibits—1987. *Radiographics* 1988; 8: 299
- Tuddenham WJ: editor's page. *Radiographics* 1986; 6: 751
- Tuddenham WJ: editor's page. *Radiographics* 1986; 6: 951
- Tuddenham WJ: editor's page. *Radiographics* 1987; 7: 410
- Tuddenham WJ: editor's page. *Radiographics* 1987; 7: 1057
- Tuddenham WJ: editor's page. *Radiographics* 1988; 8: 204
- Tuddenham WJ: editor's page. *Radiographics* 1988; 8: 613
- Tuddenham WJ: editor's page. *Radiographics* 1988; 8: 1037
- Tuddenham WJ: editor's page: 72nd Scientific Assembly and Annual Meeting of the RSNA. *Radiographics* 1987; 7: 5
- Tuddenham WJ: editor's page: how intransitive can one be? *Radiographics* 1986; 6: 349
- Tuddenham WJ: editor's page: how to avoid a pitfall. *Radiographics* 1987; 7: 840
- Tuddenham WJ: editor's page: ... in defense of opacity. *Radiographics* 1986; 6: 171
- Tuddenham WJ: editor's page: on comparative descriptors. *Radiographics* 1988; 8: 375
- Tuddenham WJ: editor's page: on the selection of articles for publication in *Radiographics*. *Radiographics* 1986; 6: 533
- Tuddenham WJ: editor's page: serpentine vs. serpiginous. *Radiographics* 1988; 8: 847
- Tuddenham WJ: editor's page: the 71st scientific assembly and annual meeting. *Radiographics* 1986; 6: 3
- Tuddenham WJ: editor's page: the 73rd Scientific Assembly and Annual Meeting of the Radiological Society of North America. *Radiographics* 1988; 8: 5
- Tuddenham WJ: editor's page: "... you may already have won ..." *Radiographics* 1987; 7: 204
- Tudway DC; Newman J; Chard MJ: ultrasound-guided fine-needle histological biopsies in the abdomen. *Clin Radiol* 1988; 39: 377
- Tukiyama I See Egawa S
- Tulloch DN See English RE
- Tully RJ See Rezvani L
- Tumeh S See Ben Ami T
- Tumeh S See Parker JA
- Tumeh SS See Ackerman ES
- Tumeh SS See Kwal AH
- Tumeh SS See Lipman JC
- Tumeh SS See Pivnicka-Worms D
- Tumeh SS See Zollars LE
- Tumeh SS; Alibadi P; Weissman BN; McNeil BJ: chronic osteomyelitis: bone and gallium scan patterns associated with active disease. *Radiology* 1986; 158: 685
- Tumeh SS; Alibadi P; Weissman BN; McNeil BJ: disease activity in osteomyelitis: role of radiography. *Radiology* 1987; 165: 781
- Tumeh SS; Benson C; Nagel JS; English RJ; Holman BL: cavernous hemangioma of the liver: detection with single-photon emission computed tomography. *Radiology* 1987; 164: 353
- Tumeh SS; Rosenthal DS; Kaplan WD; English RJ; Holman BL: lymphoma: evaluation with Ga-67 SPECT. *Radiology* 1987; 164: 111
- Tupchong L; Hughes F; Harmer CL: primary lymphoma of the thyroid: clinical features, prognostic factors, and results of treatment. *Int J Radiat Oncol Biol Phys* 1986; 12: 1813
- Topper TB See Dorfman GS
- Topper TB; Cronan JJ; Wald LM; Dorfman GS: renal abscess: complication of ethanol embolization. *Radiology* 1986; 161: 35

- Tura-Soteras JM See Fandos-Morera A
- Turbiner E See Ellison MJ
- Turbiner EH See Keslar FJ
- Turbiner EH See Silverstein AM
- Turcato G See Conte G
- Tureck R See Thickman D
- Turesson I; Nottter G: accelerated versus conventional fractionation: the degree of incomplete repair in human skin with a four-hour-fraction interval studied after postmastectomy irradiation. *Acta Oncol* 1988; 27: 169
- Turesson I; Nottter G: predictive value of skin telangiectasia for late radiation effects in different normal tissues. *Int J Radiat Oncol Biol Phys* 1986; 12: 603
- Turetsky D See Nokes SR
- Turk R See Hajek PC
- Turkel DH See Kim D
- Turnbull ADM See Healey JH
- Turnbull GK See Bartram CI
- Turnbull LW See Ridgway JP
- Turner AF; Presant CA; Proffitt RT; Williams LE; Winsor DW; Werner JL: In-111-labeled liposomes: dosimetry and tumor depiction. *Radiology* 1988; 166: 761
- Turner DA See Dudiak CM
- Turner DA See Mukai JK
- Turner DA See Mupulopolu GP
- Turner DA See Patel SK
- Turner DA See Petasnick JP
- Turner DA See Russell EJ
- Turner DA See Strasser SF
- Turner DA; Alcorn FS; Adler YT: nuclear magnetic resonance in the diagnosis of breast cancer. *Radiol Clin North Am* 1988; 26: 673
- Turner DA; Alcorn FS; Shorey WD; Stelling CB; Mategrano VC; Merten CW; Silver B; Economou SG; Strauss AK; With TR; Norusis MJ: carcinoma of the breast: detection with MR imaging versus xeromammography. *Radiology* 1988; 168: 49
- Turner DA; Prodromos CC: magnetic resonance imaging of knee injuries. *Semin US CT MR* 1986; 7: 339
- Turner MA: general case of the day: annual meeting. 1987. *Radiographics* 1988; 8: 350
- Turner MA; Cho S-R; Messner JM: pitfalls in cholangiographic interpretation. *Radiographics* 1987; 7: 1067
- Turner R See Chapman B
- Turner RM See Pressman BD
- Turner WR See Macpherson RI
- Turowaki K See Fike JR
- Turowaki K; Fike JR; Cann CE; Higgins RJ; Davis RL; Gutfin PH; Phillips TL; Weaver KA: normal brain iodine-125 radiation damage: effect of dose and irradiated volume in a canine model. *Radiology* 1986; 158: 833
- Turrisi AT See Shaw LM
- Turrisi AT III See Kligerman MM
- Turrisi AT III; Glover DJ; Mason BA: preliminary report: concurrent twice-daily radiotherapy plus platinum-epidoxim chemotherapy for limited small cell lung cancer. *Int J Radiat Oncol Biol Phys* 1988; 15: 183
- Turksi D See Turksi PA
- Turksi P; Kalinke T; Strother L; et al: magnetic resonance imaging of rabbit brain after intracarotid injection of large multivesicular liposomes containing paramagnetic metals and DTPA. *Magn Res Med* 1988; 7: 184
- Turksi PA See Gentry LR
- Turksi PA See Haughton VM
- Turksi PA See Li V
- Turksi PA See Malnor MD
- Turksi PA See Perman WH
- Turksi PA; Houston LW; Perman WH; Hald JK; Turksi D; Strother CM; Sackett JF: experimental and human brain neoplasms: detection with in vivo sodium MR imaging. *Radiology* 1987; 163: 245
- Turksi PA; Perman WH; Hald JK; Houston LW; Strother CM; Sackett JF: clinical and experimental vasogenic edema: in vivo sodium MR imaging. work in progress. *Radiology* 1986; 160: 821
- Turksi PA; Perman WH; Houston L; et al: clinical and experimental sodium magnetic resonance imaging. *Radiol Clin North Am* 1988; 26: 861
- Tuscan MC See Wahl RL
- Tuten TU See Robbins SM
- Tuten TU See Ruff RJ
- Tuthill TA See Parker KJ
- Tuttle R See Coblenz C
- Tuttle SW See Biaglow JE
- Tuttle SW; Biaglow JE; Barnes ME; et al: enhancement in the aerobic toxicity of misonidazole and SR-2508 by buthionine sulfoximine and 4-hydroxypyrazole: role of hydrogen peroxide. *Int J Radiat Oncol Biol Phys* 1986; 12: 1161
- Tuuri DT See Unger FM
- Tveit KM See Wanderla EH

- Tweddel AC See Martin W
- Tweedie DEF See Martin DF
- Twentyman P See Wasserman TH
- Twentyman PR See Fox NE
- Twentyman PR See Kwok TT
- Twentyman PR; Fox NE; Elehen NM: drug resistance in human lung cancer cell lines: cross-resistance studies and effects of the calcium transport blocker, verapamil. *Int J Radiat Oncol Biol Phys* 1986; 12: 1355
- Twickler DM See Schultz SM
- Twieg DB See Karcmar GS
- Twieg DB See Matson GB
- Twieg DB; Katz J; Peshock RM: general treatment of NMR imaging with chemical shifts and motion. *Magn Res Med* 1987; 5: 32
- Twining P See Szypczy P
- Tylen U See Boijesen M
- Tylen U See Ekholm SE
- Tyler IM See Smith TR
- Tyler JL See Theron J
- Tyler JL; Dikaic M; Villemure J-G; et al: metabolic and hemodynamic evaluation of gliomas using positron emission tomography. *J Nucl Med* 1987; 28: 1123
- Tyler JL; Strother SC; Zatorre RJ; et al: stability of regional cerebral glucose metabolism in the normal brain measured by positron emission tomography. *J Nucl Med* 1988; 29: 631
- Tyler JL; Yamamoto YL; Dikaic M; et al: pharmacokinetics of superselective intra-arterial and intravenous [¹¹C]BCNU evaluated by PET. *J Nucl Med* 1986; 27: 775
- Tyler RS See Lusk RP
- Tyma CG See Naidich JB
- Tymkic A See Henze E
- Tymkiw J See Longmaid HE III
- Tyrell CJ See Macleod PM
- Tyrell R See Rees CR
- Tyrell CJ See Benghiat A
- Tyrell RL; Gluckert K; Pathria MN; Modic MT: fast three-dimensional MR imaging of the knee: comparison with arthroscopy. *Radiology* 1988; 166: 865
- Tyrell RL II; Bundschuh CV; Modic MT: dural carcinomatosis: MR demonstration. *JCAT* 1987; 11: 329
- Tyson IB See Flemming MC
- Tyson R See Kursunoglu S
- Tyson R See Lafferty CM
- Tyrtgat GJN See Reenders JWAJ
- Tytle T See Leonard JC
- Tytle TL See Wilson DA
- Tytor M See Franzén G
- Tzakas AG; Gordon RD; Makowska L; et al: clinical considerations in orthotopic liver transplantation. *Radiol Clin North Am* 1987; 25: 289
- Tzika AA See Vigneron DB

U

- Ubhi CS; Irving HC; Guillou FJ; et al: new technique for renal allograft biopsy. *Br J Radiol* 1987; 60: 599
- Uchida BT See Putnam JS
- Uchida BT See Rosch J
- Uchida BT See Thurmond AS
- Uchida BT; Putnam JS; Rosch J: "atraumatic" transjugular needle for portal vein puncture in swine. *Radiology* 1987; 163: 580
- Uchida BT; Putnam JS; Rosch J: modifications of Gianturco expandable wire stents. *AJR* 1988; 150: 1185
- Uchida H See Ohishi H
- Uchida H See Yoshimura H
- Uchida Y; Masuo M; Tomaru T; et al: fiberoptic observation of thrombosis and thrombolysis in isolated human coronary arteries. (ab). *Radiology* 1987; 164: 885
- Uchino H See Kanoh T
- Uchino H See Moriyasu F
- Uchiyama A See Miyazaki K
- Uchiyama K See Takada T
- Uchiyama N; Kobayashi H; Nakajo M; et al: treatment of lung cancer with bronchial artery infusion of cisplatin and intravenous sodium thiosulfate rescue. *Acta Oncol* 1988; 27: 57
- Udaka F; Okuda B; Okada M; et al: CT findings of cerebral paragonimiasis in the chronic state. *Neuroradiol* 1988; 30: 31
- Udayachander M; Meenakshi A; Muthiah R; et al: tumor targeting potential of liposomes encapsulating Ga-67 and antibody to Dalton's lymphoma associated antigen (anti-DLAA). *Int J Radiat Oncol Biol Phys* 1987; 13: 1713
- Udis DS See Savit RM
- Udus K See Klobier R
- Ueda J; Kobayashi Y; Itoh H; et al: angiolipoma and renal cell carcinoma occurring in same kidney: CT evaluation. *JCAT* 1987; 11: 340

- Ueda J; Kobayashi Y; Kenko Y; et al: distribution of water, fat, and metals in normal liver and in liver metastases influencing attenuation on computed tomography. *Acta Radiol* 1988; 29: 33
- Ueda K See Nakano H
- Ueda S See Naruse S
- Ueda T; Kinoshita K; Watanabe K; et al: early and delayed single photon emission CT in various cerebral diseases using N-isopropyl-p-(¹²⁵I)iodoamphetamine. *Neuroradiol* 1988; 30: 123
- Uehara A See Handa N
- Uehara A; Isaka Y; Hashikawa K; et al: iodine-131-labeled fibronectin: potential agent for imaging atherosclerotic lesion and thrombus. *J Nucl Med* 1988; 29: 1264
- Uehara T See Nishimura T
- Uemura K See Ogawa T
- Uemura K See Tomura N
- Ueno K; Kabuto H; Hasegawa Y; et al: radionuclide angiography in two cases of hepatic actinomycosis. *Clin Nucl Med* 1986; 11: 44
- Ueno K; Rikimaru S; Kawashima Y; et al: bone imaging of sternocostoclavicular hyperostosis in palmoplantar pustulosis. *Clin Nucl Med* 1986; 11: 420
- Ueno S See Takahashi M
- Ueno S See Takaki Y
- Uenoyama Y See Ochi J
- Uetani M See Mori H
- Uflacker R: transcatheter embolisation of arterial aneurysms. *Br J Radiol* 1986; 59: 317
- Uflacker R: transcatheter embolization for treatment of acute lower gastrointestinal bleeding. *Acta Radiol* 1987; 28: 425
- Uflacker R; de O Silva A; Carneiro d'Albuquerque LA; Piske RL; Mourao GS: chronic portosystemic encephalopathy: embolization of portosystemic shunts. *Radiology* 1987; 165: 721
- Uflacker R; Lima S; Melichar AC: intravascular foreign bodies: percutaneous retrieval. *Radiology* 1986; 160: 731
- Uflacker R; Lima S; Ribas GC; Piske RL: carotid-cavernous fistulas: embolization through the superior ophthalmic vein approach. *Radiology* 1986; 159: 175
- Ugarkovic B; Tezak S; Plavsic B; et al: case of bizarre liver form variation. *Clin Nucl Med* 1987; 12: 461
- Ugubodaga CI See Akamaguna AI
- Uglietta JP See Yankers JR
- Uguril K See Bendall MR
- Uhe A See Geitung JT
- Uhlenbrock D; Seidel D; Gehlen W; et al: MR imaging in multiple sclerosis: comparison with clinical, CSF, and visual evoked potential findings. *AJNR* 1988; 9: 59
- Uhlenbrock D; Straube A; Beyer HK; et al: magnetic resonance tomography and computed tomography of the brain for diagnosing Wilson's disease. (ab). *Radiology* 1986; 159: 573
- Uhlenschmid GK See Zollikofer CL
- Ulichans LS III See Szeg G
- Uken F; Sato Y; Smith W: MR findings of malignant intracranial teratoma in a neonate. *Pediatr Radiol* 1986; 16: 504
- Uken F; Smith W; Franken EA; et al: use of the barium enema in the diagnosis of necrotizing enterocolitis. *Pediatr Radiol* 1988; 18: 24
- Ullrich K See Schmidt H
- Ulliyot DJ See White RD
- Ulrich C See Paylaert JBCM
- Ulshen MH See Shub MD
- Umehara I See Matsumoto S
- Umez U See Nishitani H
- Umsawadi T See Lee JS
- Umsawadi T; Valdivieso M; Barkley HT Jr; et al: combined chemoradiotherapy in limited-disease, inoperable non-small cell lung cancer. *Int J Radiat Oncol Biol Phys* 1988; 14: 43
- Underwood SR See Bogren HG
- Underwood SR See Klipstein RH
- Unger E See Gatenby RA
- Unger E; Gutierrez F; ytterbium-DTPA: potential intravascular contrast agent. *Invest Radiol* 1986; 21: 802
- Unger E; Littlefield J; Gado M: water content and water structure in CT and MR signal changes: possible influence in detection of early stroke. *AJNR* 1988; 9: 687
- Unger EC; Cohen MS; Gatenby RA; et al: single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T. *JCAT* 1988; 12: 575
- Unger EC; Gado MH; Fulling KF; Littlefield JL: acute cerebral infarction in monkeys: experimental study using MR imaging. *Radiology* 1987; 162: 789
- Unger EC; Gilula LA; Kyriakos M: case report 430. *Skeletal Radiol* 1987; 16: 416
- Unger EC; Glazer HS; Lee JKT; et al: MRI of extracranial hematomas: preliminary observations. *AJR* 1986; 146: 403
- Unger EC; Kessler HB; Kowalshyn MJ; et al: MR imaging of Maffucci syndrome. *AJR* 1988; 150: 351
- Unger EC; Lee JKT; Weyman PJ: CT and MR imaging of radiation hepatitis. *JCAT* 1987; 11: 264
- Unger EC; Moldofsky PJ; Gatenby RA; et al: diagnosis of osteomyelitis by MR imaging. *AJR* 1988; 150: 605
- Unger FM; Cavanaugh DJ; Johnson GF; Tuuri DT; Beekman R: radiologic and real time echocardiographic evaluation of the cyanotic newborn. *Radiographics* 1986; 6: 603
- Unger HR Jr See Genes BM
- Unger J See Bennett M
- Unger JM: handbook of neurotological diagnosis. *Radiology* 1988; 166: 422
- Unger JM: high-resolution computed tomography of the paranasal sinuses, pharynx and related regions: impact of CT identification on diagnosis and patient management. *Radiology* 1987; 165: 344
- Unger JM: imaging of the temporal bone. *Radiology* 1987; 165: 696
- Unger JM: MR imaging of laryngeal cancer. *Radiology* 1988; 169: 28
- Unger JM; Dennison RF; Duncavage JA; et al: radiological appearance of the post-Caldwell-Luc maxillary sinus. *Clin Radiol* 1986; 37: 77
- Unger KM See Miller WC
- Unger M See Halpern SE
- Unger MW See Abdel-Nabi HH
- Unger S See Moonen CTW
- Ungerlaider R See Baker ME
- Unni KK See Adams VI
- Unni KK See Francis FJ
- Unni KK See Nakashima Y
- Unni KK: case report 457. *Skeletal Radiol* 1988; 17: 129
- Uno K; Matsui N; Nohira K; et al: indium-111 leukocyte imaging in patients with rheumatoid arthritis. *J Nucl Med* 1986; 27: 339
- Unruh H; Chiu RC-J: mediastinal assessment for staging and treatment of carcinoma of the lung. (ab). *Radiology* 1986; 160: 572
- Unverferth LJ See Beltran J
- Uotila F See Paajanen H
- Uozumi H See Yasunaga T
- Upadhyay SS; O'Neill T; Burwell RG; et al: new method using ultrasound for measuring femoral anteversion (torsion): technique and reliability. *Br J Radiol* 1987; 60: 519
- Upton AC: cancer induction and non-stochastic effects. *Br J Radiol* 1987; 60: 1
- Urano M See Willett CG
- Urano M; Kahn J: differential kinetics of thermal resistance (thermotolerance) between murine normal and tumor tissues. *Int J Radiat Oncol Biol Phys* 1986; 12: 89
- Urano M; Kahn J; Kenton LA: thermochemotherapy (combined cyclophosphamide and hyperthermia) with or without hyperglycemia as an adjunct to radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 45
- Urano M; Kenton LA; Kahn J: effect of hyperthermia on the early and late appearing mouse foot reactions and on the radiation carcinogenesis: effect on the early and late appearing reactions. *Int J Radiat Oncol Biol Phys* 1988; 15: 159
- Urano Y See Ogata K
- Uray E See Fottler T
- Urba WJ See Lawrence TS
- Urban JL See Siegel JA
- Urban MA See Hendrix RW
- Urbanitz D See Herrera A
- Uren R See Howman-Giles R
- Uretsky BF; Rifkin RD; Sharma SC; et al: value of fluoroscopy in the detection of coronary stenosis: influence of age, sex, and number of vessels calcified on diagnostic efficacy. (ab). *Radiology* 1988; 169: 883
- Uri DS; Wall SD: personalized data management for the radiologist. *AJR* 1988; 150: 1415
- Urness M See Castaneda F
- Urrutia E See Grossman ZD
- Urrutia E See Rosebrough SF
- Urrutia EJ See Panich DM
- Urrutia EJ; Hawkins MC; Steinbach BG; Meacham MA; Bland KI; Copeland EM III; Hawkins IF Jr: retractable-barb needle for breast lesion localization: use in 60 cases. *Radiology* 1988; 169: 845
- Urrutia EJ; Yuschok TJ; Rolles RJ; et al: demonstration of a para-aortic hematoma with indium-111 labeled leukocytes after transumbilical angiography. *Clin Nucl Med* 1988; 13: 59
- Urry RL; Dougherty KA; Child SA; et al: ultrasound and spermatogenesis in the rat. *Ultrasound Med Biol* 1988; 14: 213
- Urso S; Colajacomo M; Migliorini A; et al: califying discopathy in infancy in the cervical spine: evaluation of vertebral alterations over a period of time. *Pediatr Radiol* 1987; 17: 387
- Urtasun RC See Coleman CN
- Urtasun RC See Kligerman MM
- Urtasun RC; Chapman JD; Raleigh JA; et al: binding of ³H-misonidazole to solid human tumors as a measure of tumor hypoxia. *Int J Radiat Oncol Biol Phys* 1986; 12: 1263
- Ussewils R See Vercamer R
- Ushigome S See Nakajima H
- Ushio K See Muramatsu Y
- Uske A See Dooms GC
- Utley WS See Walsh JS
- Utz DC See Larkin BT
- Utz JA See Kransdorf MJ
- Utz JA; Herfkens RJ; Heinsimer JA; et al: cine MR determination of left ventricular ejection fraction. *AJR* 1987; 148: 839
- Utz JA; Herfkens RJ; Heinsimer JA; Shimakawa A; Glover G; Fede N: valvular regurgitation: dynamic MR imaging. *Radiology* 1988; 168: 91
- Utz JA; Herfkens RJ; Johnson CD; et al: two-second MR images: comparison with spin-echo images in 29 patients. *AJR* 1987; 148: 629
- Utz JA; Lull RJ; Galvin EG: asymptomatic total hip prosthesis: natural history determined using Tc-99m MDP bone scans. *Radiology* 1986; 161: 509
- Utz R See Simon JH
- Utz R: NMR—tomography of the normal brain. *Radiology* 1986; 158: 156
- Utz R; Ekholm SE; Isaac L; et al: local blood-brain barrier penetration following systemic contrast medium administration: a case report and an experimental study. *Acta Radiol* 1988; 29: 237
- Uyttenbroeck F See van Dam PA
- Uziel B See Libson E

V

- Vaalburg W See Ishiwa K
- Vacanti JP See Hoffer FA
- Vaccarino FP See Nichols JN
- Vaccaro RM See Chandramouly BS
- Vacek A See Rotkavskis D
- Vachon L; Colletti P: pelvic lesion simulated by asymmetric marrow uptake following umbilical artery injection of technetium-99m sulfur colloid. *Clin Nucl Med* 1986; 11: 872
- Vachon L; Gilsanz V: CT visualization of posterior vertebral veins: sign of vena caval obstruction. *Pediatr Radiol* 1986; 16: 197
- Vachon L; Mikity V: computed tomography and ultrasound in purulent ventriculitis. *J Ultrasound Med* 1987; 6: 269
- Vachon LA See Radin DR
- Vadasz J See Rasphorst GP
- Vade A; Armstrong D: orbital rhabdomyosarcoma in childhood. *Radiol Clin North Am* 1987; 25: 701
- Vade A; Kennard D: lipomeningeocystocoele. *AJNR* 1987; 8: 375
- Vade A; Lau P; Smick J; et al: sonographic renal parameters as related to age. *Pediatr Radiol* 1987; 17: 212
- Vade A; McKinnick M; Michael A: hemorrhage in cavum septi pellucidum. *Pediatr Radiol* 1986; 16: 417
- Vade A; Otto R: cranial sonography of the occipital horns and gyral patterns in the occipital lobes. *AJNR* 1986; 7: 873
- Vadrot D See Bay J-N
- Vaeth JM See Roussaville MC
- Vaghi M; Visciani A; Testa D; et al: cerebral MR findings in tuberculous sclerosis. *JCAT* 1987; 11: 403
- Vahey TN; Glazer GM; Francis IR; et al: MR diagnosis of pancreatic transplant rejection. *AJR* 1988; 150: 557
- Vahey TN; Maglinte DDT; Chernish SM: state-of-the-art barium examination in opportunistic esophagitis. (ab). *Radiology* 1987; 163: 837
- Vahlensieck W See Porst H
- Vahtera E See Aronen HJ
- Vaid Y; Shin MS; Soto B: role of computed tomography in nonobstructive coarctation. *CT* 1987; 11: 95
- Vaid YN; Shin MS: computed tomography evaluation of tracheoesophageal fistula. *CT* 1986; 10: 281
- Vail CM; Chiles C: invasive pulmonary aspergillosis: radiologic evidence of tracheal involvement. *Radiology* 1987; 163: 745
- Vailas GN; Brouillette RT; Scott JP; et al: neonatal aortic thrombosis: recent experience. (ab). *Radiology* 1987; 162: 295
- Vaillant JM See Doyon D
- Vainright JR See Mirvis SE
- Vaislic CD See Courthoos P
- Vaisman U; Wojciechowski M: carotid artery disease: new criteria for evaluation by sonographic duplex scanning. *Radiology* 1986; 158: 253

- Vakil N See Ghahremani GG
 Vaksmann G See Dupuis C
 Valagussa P See Bajetta E
 Valavanis A See Schubiger O
 Valavanis A: preoperative embolization of the head and neck: indications, patient selection, goals, and precautions. *AJNR* 1986; 7: 943
 Valdagni R See Samulski TV
 Valdagni R; Amichetti M; Pani G: radical radiation alone versus radical radiation plus microwave hyperthermia for N₂ (TNM-UICC) neck nodes: a prospective randomized clinical trial. *Int J Radiat Oncol Biol Phys* 1988; 15: 13
 Valdes Olmos RA; Van Groningen CJ: lateral inguinal hernia detected in the early images of three-phase bone imaging. *Clin Nucl Med* 1988; 13: 677
 Valdivia S See Zaharia M
 Valdivieso M See Umsawadsi T
 Valencia A See Aristizabal SA
 Valensin G See Navon G
 Valente WA See Rosenbaum RC
 Valentine JL See Yamanashi WS
 Valentini A See Piffer S
 Valentini AL See Danza FM
 Valentini MC; Forni C; Bracchi M: syringobulbia extending to the basal ganglia. *AJNR* 1988; 9: 205
 Valenza M See Matson GB
 Valenzuela JE See Dooley CP
 Valerioti F; Grates HE: potentiation of nitrogen mustard cytotoxicity to leukemia cells by sulfur-containing compounds administered *in vivo*. *Int J Radiat Oncol Biol Phys* 1986; 12: 1165
 Valette PJ See Bret PM
 Valette PJ See Matter D
 Vail A; McKinstry CS; Dick D: case of the month: fit in a young woman. *Br J Radiol* 1988; 61: 335
 Valind SO; Rhodes CG; Jonson B: quantification of regional ventilation in humans using a short-lived radiotracer—theoretical evaluation of the steady-state model. *J Nucl Med* 1987; 28: 1144
 Valji K See Bookstein JJ
 Valji K; Bookstein JJ: fibrinolysis with intrathrombotic injection of urokinase and tissue-type plasminogen activator: results in a new model of subacute venous thrombosis. *Invest Radiol* 1987; 22: 23
 Valk J See Barkhof F
 Valk J See Castelljns JG
 Valk J See de Slegte RGM
 Valk J See van der Knaap MS
 Valk J See van Rossum AC
 Valk J: Gd-DTPA in MR of spinal lesions. *AJNR* 1988; 9: 345
 Valk J; Crezee FC; de Slegte RGM; et al: iohexol 300 mg/ml versus iopamidol 300 mg/ml for cervical myelography double blind trial. *Neuroradiol* 1987; 29: 202
 Valk J; de Slegte RGM; Crezee FC; et al: contrast enhanced magnetic resonance imaging of the brain using gadolinium-DTPA. *Acta Radiol* 1987; 28: 659
 Valk PE See Doyle WK
 Valk PE; Hale JD; Crooks LE; et al: magnetic resonance imaging of aortic aneurysms with 3-D image reconstruction. *Australas Radiol* 1987; 31: 196
 Valk PE; Hale JD; Crooks LE; et al: MR imaging of aortic atherosclerosis with 3D image reconstruction. *JCAT* 1986; 10: 439
 Valk PE; Hale JD; Crooks LE; et al: MRI of blood flow: correlation of image appearance with spin-echo phase shift and signal intensity. *AJR* 1986; 146: 931
 Valia D See Roulot D
 Vallabhajosula S; Machac J; Goldsmith SJ; et al: indium-111 platelet kinetics in normal human subjects: tropolone versus oxine methods. *J Nucl Med* 1986; 27: 1669
 Vallabhajosula S; Faidi M; Bedimon JJ; et al: radiotracers for low density lipoprotein distribution studies *in vivo*: technetium-99m low density lipoprotein versus radioiodinated low density lipoprotein preparations. *J Nucl Med* 1988; 29: 1237
 Vallance R; Quin RO; Forrest H: arterio-venous shunting complicating occlusive atherosclerotic peripheral vascular disease. *Clin Radiol* 1986; 37: 389
 Vallancien G See Parienty RA
 Vallancien G; Aviles J; Munoz R; et al: piezoelectric extracorporeal lithotripsy by ultrasound waves with the EDAP LT 01 device. (ab). *Radiology* 1988; 169: 288
 Vallancien G; Veillon B; Charton M; et al: can transabdominal ultrasonography of the bladder replace cystoscopy in the followup of superficial bladder tumors? (ab). *Radiology* 1987; 162: 292
 Vallar G See Perani D
 Vallee B See Lasjaunias P
 Vallee CA See Chagnon SF
 Vallicioni J See Bruneton JN
 Vallières M See Aubé L
 Vallis MP; Cleeland J; Bradley PJ; et al: radiation therapy of squamous carcinoma of the tonsil: analysis of prognostic factors and of treatment failures. *Br J Radiol* 1986; 59: 251
 Valls R See Donoso L
 Valtonen V See Syrjala MT
 Valvassori GE See Mafee MF
 Valvassori GE; Morales FG; Palacios E; et al: MR of the normal and abnormal internal auditory canal. *AJNR* 1988; 9: 115
 Valvo JR See Scheinfeld J
 Van Acker KJ See Roodhooft AM
 van Ahlen H See Porst H
 Van Allen M See Patten RM
 Van Aman ME See Mills CS
 Van Aman ME See Rose BS
 Van Andel JG See Veeze-Kuijpers B
 Van Arsdalen KN See Barber L
 Van Arsdalen KN See Rubin JJ
 Van Arsdalen KN See Verstandig AG
 van Aswegen A; Otto AC; Herbst CP; Marx JD; Kleynhans PHT; Lotter MG; Minnaar PC: left ventricular function evaluation using radionuclide methods in the intensive coronary care unit. *Radiology* 1986; 158: 252
 Van Baarle A See Rigaux A
 Van Beers B See Mathieu D
 Van Beers B See Trigaux JP
 Van Beers B; Pringot J; Trigaux JP; et al: hepatic heterogeneity on CT in Budd-Chiari syndrome: correlation with regional disturbances in portal flow. *Gastrointest Radiol* 1988; 13: 61
 Van Beers B; Roche A; Cauquill P: transluminal angioplasty of a stenotic surgical splenorenal shunt. *Acta Radiol* 1988; 29: 327
 Van Beers B; Trigaux J-P; Pringot J: duodenal intussusception secondary to duodenal tumors. *Gastrointest Radiol* 1988; 13: 24
 Van Bel F See Van De Bor M
 van Bel F: flow velocity in cerebral arteries in the newborn. *Radiology* 1988; 166: 904
 van Benthem FP See Robson N
 van Blankenstein M See Heij HA
 Van Bockel SR; Mindelzun RE: gas in the psoas muscle secondary to an intravertebral vacuum cleft: CT characteristics. *JCAT* 1987; 11: 913
 van Breda A See Picus D
 van Breda A; Katzen BT; Deutsch AS: urokinase versus streptokinase in local thrombolysis. *Radiology* 1987; 165: 109
 van Brenk AI See Pieters R
 van Buchem MA; Wondergem JH; Schultze Kool LJ; te Velde J; Kluin PM; Bode PJ; Busscher DLT: pulmonary leukostasis: radiologic-pathologic study. *Radiology* 1987; 165: 739
 Van Bunnin Y See Vion-Dury J
 van Campen J See Colon E
 Van Daal WAJ See Van Kroonenburgh MJPG
 Vandaele L See Wilms GE
 Van Dale P; Osteaux M; Penasse W; et al: technique for simultaneous microangiographic and cytochemical investigation of resin-embedded tissues. *Invest Radiol* 1986; 21: 714
 van Dam I; Wijn P; de Boer T; et al: effects of aging on cardiac blood flow velocities. *JCU* 1988; 16: 375
 van Dam PA; Vanderheyden JS; Uytendaele F: application of ultrasound in the diagnosis of heterotopic pregnancy—a review of the literature. *JCU* 1988; 16: 159
 van Dam PA; Van Goethem MLA; Kersschot E; Vervliet J; Van den Veyver IBM; De Schepper A; Buytaert P: palpable solid breast masses: retrospective single- and multimodality evaluation of 201 lesions. *Radiology* 1988; 166: 435
 Van Damme B See Casselman JW
 Vandamme B See Van Holsbeek M
 Van Damme BJ See Oyen RH
 Van Damme BJ See Rigaux HD
 Van De Bor M; Van Bel F; Lineman R; et al: perinatal factors and periventricular-intraventricular hemorrhage in preterm infants. (ab). *Radiology* 1987; 164: 592
 Vandecasteele C See De Spiegeleer B
 Van den Abbeele AD; Harloff R; Royal HD; et al: bone metastases in Zollinger-Ellison syndrome demonstrated by scintigraphy. *Clin Nucl Med* 1987; 12: 954
 Van den Abbeele AD; Treves ST; Lebowitz RL; et al: vesicoureteral reflux in asymptomatic siblings of patients with known reflux: radionuclide cystography. (ab). *Radiology* 1987; 164: 296
 van den Berg EK Jr See Raymond JR
 van den Bogaert W See Marcial VA
 van den Bogaert W; van der Schueren E; Harriot J-C; et al: early results of the EORTC randomized clinical trial on multiple fractions per day (MFD) and misonidazole in advanced head and neck cancer. *Int J Radiat Oncol Biol Phys* 1986; 12: 587
 Vandenberg G See Delcour C
 Van den Bosch JMM See Laros CD
 van den Bosch JMM; Wagenaar SS; Corrin B; et al: mesenchymoma of the lung (so called hamartoma): a review of 154 parenchymal and endobronchial cases. (ab). *Radiology* 1988; 168: 587
 van den Burg W See Wilms JJ
 Vandenberghe L See Vanuytsel L
 Vanden Hout K See Somers G
 van den Oever M; Merrick MV; Scott JHS: bone scintigraphy in symptomatic spondylolysis. (ab). *Radiology* 1987; 165: 885
 Van den Veyver IBM See van Dam PA
 van de Putte LBA See Wouters JMGW
 van der Baan S See de Slegte RGM
 Vanderelst A See Avni EF
 Vander Elst L See Rinck PA
 Vanderheyden JS See van Dam PA
 Vanderhofstad A See Delcour C
 van der Jagt EJ; van Son WJ; van der Woude FJ; et al: pneumatosis intestinalis related to cytomegalovirus infection—new etiology? *Eur J Radiol* 1987; 7: 28
 van der Knaap MS; Valk J: classification of congenital abnormalities of the CNS. *AJNR* 1988; 9: 315
 van der Kogel AJ See Ang KK
 van der Kogel AJ See Jongejan HTM
 Van der Kogel AJ See Landuyt W
 van der Kogel AJ; Martin JC; Smith AR; et al: late effects of fractionated Pi-mesons compared to X rays on mouse lung. *Int J Radiat Oncol Biol Phys* 1988; 14: 1175
 van der Laan JG; Thijssen CJF: ivory and dense epiphyses of the hand: Thiemann disease in three sisters. *Skeletal Radiol* 1986; 15: 117
 van der Meulen P; Groen JF; Tinus AM; et al: fast field echo imaging: an overview and contrast calculations. *Magn Res Imag* 1988; 6: 355
 van der Poel JC See Miller DH
 van der Schueren E See Cox J
 van der Schueren E See van den Bogaert W
 van der Schueren E; Cox JF: lung sites. *Int J Radiat Oncol Biol Phys* 1988; 14: S127
 van der Schueren E; Landuyt W; Ang KK; et al: from 2 Gy to 1 Gy per fraction: sparing effect in rat spinal cord? *Int J Radiat Oncol Biol Phys* 1988; 14: 297
 Vanderslice R See Swartz JD
 Vanderstijl M See Mathieu D
 van der Valk P; Meijer CJLM: histology of reactive lymph nodes. (ab). *Radiology* 1988; 167: 296
 van der Veen JWC; de Beer R; Luyten FR; et al: accurate quantification of *in vivo* ³¹P NMR signals using the variable projection method and prior knowledge. *Magn Res Med* 1988; 6: 92
 van der Vliet AH; Ling D: renal and scapular masses in a 57-year-old woman. *Urol Radiol* 1986; 8: 56
 van der Voorde F See Arenson RL
 van der Voorde F See Epstein DM
 Vandervoort MK See Noseworthy JH
 van der Wall EE See de Roos A
 van der Wall EE; Res JC; van Eenige MJ; et al: effects of intracoronary thrombolysis on global left ventricular function assessed by an automated edge detection technique. *J Nucl Med* 1986; 27: 478
 van der Werf SDJ See Puylaert JBCM
 van der Werf-Messing BHP See Wijnmaalen A
 Vanderwilhe R; Stahel LT; Chew DE; et al: measurements of radiographs of the foot in normal infants and children. (ab). *Radiology* 1988; 169: 295
 van der Woude FJ See van der Jagt EJ
 van de Vegte GL See Crass JR
 Vande Weyer R See De Vuyt F
 van Dijk J; Oosterwijk E; van Kroonenburgh MJPG; et al: perfusion of tumor-bearing kidneys as a model for scintigraphic screening of monoclonal antibodies. *J Nucl Med* 1988; 29: 1078
 van Dijk Azn R; Thijssen HOM; Merx JL; et al: absent cervical pedicle syndrome: case report. *Neuroradiol* 1987; 29: 69
 Vandiviere HM See Woodring JH
 van Doesburg NH See Guerin R
 van Dooren KJ See Schipper J
 van Doorn T See Khafagi F
 Van Dop C; Wang H; Mulalikal RM; et al: pseudopseudohypoparathyroidism with spinal cord compression. *Pediatr Radiol* 1988; 18: 429
 van Dyk A: CT of intracranial tuberculomas with specific reference to the "target sign". *Neuroradiol* 1988; 30: 329
 Van Dyk J See Mah K
 Van Dyke JA See Anderson SD
 Van Dyke JA See Lawdahl RB
 Van Dyke JA See Moss CN
 Van Dyke JA; Holley HC; Anderson SD: review of iliopsoas anatomy and pathology. *Radiographics* 1987; 7: 53

- Van Dyke JA; Rutsky EA; Stanley RJ: acute pancreatitis associated with end-stage renal disease. *Radiology* 1986; 160: 403
- van Eenige MJ See van der Wall EE
- van Eenige MJ See van Rossum AC
- van Egmond FC See Bom N
- van Egmond H See Kunnen M
- van Egmond-Linden A; Wladimiroff JW; Niermeijer MF; et al: fetal hydrocephaly: diagnosis, prognosis and management. *Ultrasound Med Biol* 1986; 12: 939
- Vanel D; Lacombe M-J; Couanet D; Kalifa C; Spielmann M; Genin J: musculoskeletal tumors: follow-up with MR imaging after treatment with surgery and radiation therapy. *Radiology* 1987; 164: 243
- Vanel D; Tchong S; Contesso G; et al: radiological appearances of telangiectatic osteosarcoma: study of 14 cases. *Skeletal Radiol* 1987; 16: 196
- Van Eyken PL See Rigault HD
- Van Gansbeke D See Avni EF
- Van Gansbeke D See Matos C
- Van Gansbeke D See Zalman M
- Van Gansbeke D; Segebarth C; Toussaint C; et al: non-obstructive kidney transplant dysfunction: magnetic resonance evaluation. *Br J Radiol* 1988; 61: 473
- Van Gennip AH See Hoefnagel CA
- Van Gerven L See François A
- van Giesse JW; Vieregger MA; van Rijk PP; et al: two devices for longitudinal emission tomography of the thyroid. *J Nucl Med* 1987; 28: 1892
- van Gijn J See Franke CL
- Van Gilder JC See Menezes AH
- Van Goethem MLA See van Dam PA
- Van Groningen CJ See Valdes Olmos RA
- van Harskamp G; Boven E; Vermorken JB; et al: phase II trial of combined radiotherapy and daily low-dose cisplatin for inoperable, locally advanced non-small cell lung cancer (NSCLC). *Int J Radiat Oncol Biol Phys* 1987; 13: 1735
- van Hattum LH See Castelijn JA
- van Haverbeke Y See Rieck PA
- Van Hecke PE; Marchal GJ; Baert AL: use of shielding to prevent folding MR imaging. *Radiology* 1988; 167: 557
- van Heden EF See Degryse HR
- van Heden EF See Vossen PG
- van Heerden JA See Coffey JR Jr
- van Heerden JA See Galil AK
- Van Heertum RL See Malko JA
- Van Heertum RL See Yudd AP
- Van Heertum RL; Brunetti JC; Yudd AP: abdominal SPECT imaging. *Semin Nucl Med* 1987; 17: 230
- van Herwerden LA See Gussenhoven EJ
- van Heteren JG See Henkelman RM
- van Heteren JG; Henkelman RM; Bronskill MJ: application of an equivalent circuit to signal-to-noise calculations in MRI. *Magn Res Imag* 1987; 5: 101
- van Heteren JG; Henkelman RM; Bronskill MJ: equivalent circuit for coil-patient interactions in magnetic resonance imaging. *Magn Res Imag* 1987; 5: 93
- van Holsbeek M; Vandamme B; Marchal GJF; et al: dorsal defect of the patella: concept of its origin and relationship with bipartite and multipartite patella. *Skeletal Radiol* 1987; 16: 304
- Van Holsbeek MT See Marchal GJF
- Van Hoorde P See Kerschot EAJ
- Van Horn JR See Capanna R
- van Imhoff WL See Schut JM
- van Kaick G See Konig R
- van Kaick G See Semmler W
- van Kaick G See Teubner J
- Vanker EA: asymmetrical pulmonary oedema due to Swyer-James syndrome. *Br J Radiol* 1987; 60: 1126
- van Kersen I See Anderson RL
- van Kroonenburgh MJPG See van Dijk J
- van Kroonenburgh MJPG; Van Daal WJA; Beck JL; et al: effects of testicular irradiation on stem cell survival, hormonal environment and spermatogenic cells in Wistar rats. *Acta Oncol* 1987; 26: 87
- Van Leendert RJ; Flendrig JA: patient with primary hyperparathyroidism and an abnormal bone scan. *Clin Nucl Med* 1986; 11: 701
- van Linghe B See Derks WHJ
- Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SI; Brown JJ; Zlatkin M; Sartoris DJ; Chevret A; Resnik CS; Resnick D: infection versus tumor in the spine: criteria for distinction with CT. *Radiology* 1988; 166: 851
- van Maercke YM See Pen JH
- Van Melle G See Bogousslavsky J
- van Merode T See Reneman RS
- van Nagell JR See Maruyama Y
- Van Ness MM See Drane WE
- Van Ness MM; Chobanian SJ; Winters C Jr; et al: study of patient acceptance of double-contrast barium enema and colonoscopy: which procedure is preferred by patients? (ab). *Radiology* 1988; 167: 882
- van Niekirk CH See Stones DK
- Vannier MW See Adler SJ
- Vannier MW See Blondetti PR
- Vannier MW See Coghlan JK
- Vannier MW See Grivas A
- Vannier MW; Gayou D; automated registration of multimodality images. *Radiology* 1988; 169: 860
- Vannier MW; Guilleir F; Laschinger JC; Gronemeyer S; Canter CE; Knapp RH: three-dimensional magnetic resonance imaging of congenital heart disease. *Radiographics* 1988; 8: 857
- Van Nostrand D: In-111-labeled white blood cell uptake in noninfected closed fracture: reply. *Radiology* 1988; 169: 580
- Van Nostrand D; Abreu SH; Callaghan JJ; Atkins FB; Stoops HC; Savory CG: In-111-labeled white blood cell uptake in noninfected closed fracture in humans: prospective study. *Radiology* 1988; 167: 495
- Van Nostrand D; Madewell JE; McNish LM; et al: radionuclide bone scanning in giant cell tumor. *J Nucl Med* 1986; 27: 329
- Van Nostrand D; Neutze J; Atkins F: side effects of "rational dose" iodine-131 therapy for metastatic well-differentiated thyroid carcinoma. *J Nucl Med* 1986; 27: 1519
- van Nostrand P See Gilbert RW
- van Oosterom AT See Bloem JL
- Van Os-Corby DJ; Chapman JD: *in vitro* binding of ¹⁴C-misonidazole to hepatocytes and hepatoma cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1251
- van Persijn van Meerten Els L See de Roos A
- Van Poppel H; Claes H; Suy R; et al: intraarterial embolization in combination with surgery in the management of congenital pelvic arteriovenous malformation. *Urol Radiol* 1988; 18: 89
- van Poppel HP See Oyen RH
- van Putten J See Raymakers JA
- Van Putten MC Jr See Mian TA
- van Putten WLJ See Treurniet-Donker AD
- van Rijk PP See van Giesse JW
- van Rijn ABB; Heller I; Van Zijl J: segmental air plethysmography in the diagnosis of deep vein thrombosis. (ab). *Radiology* 1988; 168: 294
- van Rijssel TG See Taconis WK
- Van Roermund PM; Hoeckstra A; Ter Haar Romeny BM; et al: bone healing during lower limb lengthening by distraction epiphysiolysis. *J Nucl Med* 1988; 29: 1259
- Van Roermund PM; Ter Haar Romeny BM; Schoonderwoert GJ; et al: use of computed tomography to quantitate bone formation after distraction epiphysiolysis in the rabbit. *Skeletal Radiol* 1987; 16: 52
- van Roessel J; Wamsteker K; Exalto N: sonographic investigation of the uterus during artificial uterine cavity distention. *JCU* 1987; 15: 439
- van Romunde LKJ See Shaw PC
- van Rooij WJJ; Martens F; Verbeeten B Jr; et al: CT and MR imaging of leiomyosarcoma of the inferior vena cava. *JCAT* 1988; 12: 415
- Van Roost WW See Marchal GJF
- van Rossum AC; Visser FC; Valk J; et al: magnetic resonance imaging of cardiac anatomy: standard procedure. *Eur J Radiol* 1987; 7: 23
- Van Rossum AC; Visser FC; Van Eenige MJ; et al: oblique views in magnetic resonance imaging of the heart by combined axial rotations. *Acta Radiol* 1987; 28: 497
- van Royen EA; de Bruine JF; Hill TC; et al: cerebral blood flow imaging with thallium-201 diethyldithiocarbamate SPECT. *J Nucl Med* 1987; 28: 178
- van Schaik JF; Herrera MA; Vucinic JJ; et al: cope loop catheter for retrograde internal stenting of ureterolateral anastomotic strictures. *Urol Radiol* 1987; 9: 191
- van Seters AP See Falke THM
- van Son WJ See van der Jagt EJ
- van Sonnenberg E See Cabrera O
- van Sonnenberg E See Casola G
- van Sonnenberg E See Christensen RA
- van Sonnenberg E See Hajek PC
- van Sonnenberg E See Lee AS
- van Sonnenberg E See Mueller PR
- van Sonnenberg E See Neff CC
- van Sonnenberg E See Quinn SF
- van Sonnenberg E See Romano AJ
- van Sonnenberg E See Stavos J
- van Sonnenberg E See Varney RA
- van Sonnenberg E See Willson SA
- van Sonnenberg E See Wittich GR
- van Sonnenberg E; Casola G: interventional radiology 1988. *Invest Radiol* 1988; 23: 75
- van Sonnenberg E; Casola G; Culbert DA: oriental cholangiohepatitis: diagnostic imaging and interventional management. *AJR* 1986; 146: 327
- vanSonnenberg E; Casola G; Ho M; Neff CC; Varney RK; Wittich GR; Christensen R; Friedman PJ: difficult thoracic lesions: CT-guided biopsy experience in 150 cases. *Radiology* 1988; 167: 457
- vanSonnenberg E; Casola G; Maysey M: simple apparatus to avoid inadvertent needle puncture. *Radiology* 1988; 166: 550
- vanSonnenberg E; Casola G; Zakko SF; Varney RK; Cox J; Wittich GR; Hofmann AF: gallbladder and bile duct stones: percutaneous therapy with primary MTBE dissolution and mechanical methods. *Radiology* 1988; 169: 505
- vanSonnenberg E; Hajek P; Gryla-Morin V; et al: wire-sheath system for MR-guided biopsy and drainage: laboratory studies and experience in 10 patients. *AJR* 1988; 151: 815
- vanSonnenberg E; Hofmann AF: horizons in gallstone therapy—1988. *AJR* 1988; 150: 43
- vanSonnenberg E; Hofmann AF; Neopilemus J; et al: gallstone dissolution with methyl-tert-butyl ether via percutaneous cholecystostomy: success and caveats. *AJR* 1986; 146: 865
- vanSonnenberg E; Neff CC; Pfister RC: life-threatening hypotensive reactions to contrast media administration: comparison of pharmacologic and fluid therapy. *Radiology* 1987; 162: 15
- vanSonnenberg E; Neff CC; Pfister RC: radiologist's role in treating reactions to contrast media: reply. *Radiology* 1988; 169: 876
- vanSonnenberg E; Varney RK; Casola G: antibiotic commentary. *Radiology* 1988; 166: 901
- vanSonnenberg E; Wittich GR; Brown LK; et al: percutaneous gastrostomy and gastroenterostomy: 1. techniques derived from laboratory evaluation. *AJR* 1986; 146: 577
- vanSonnenberg E; Wittich GR; Cabrera OA; et al: percutaneous gastrostomy and gastroenterostomy: 2. clinical experience. *AJR* 1986; 146: 581
- vanSonnenberg E; Wittich GR; Casola G; et al: sonography of thigh abscess: detection, diagnosis, and drainage. *AJR* 1987; 149: 769
- vanSonnenberg E; Wittich GR; Casola G; Neff CC; Hoyt DB; Polansky AD; Keightley A: periparturient abscesses: percutaneous drainage. *Radiology* 1987; 163: 23
- vanSonnenberg E; Wittich GR; Casola G; Princenthal RA; Hofmann AF; Keightley A; Wing VW: diagnostic and therapeutic percutaneous gallbladder procedures. *Radiology* 1986; 160: 23
- vanSonnenberg E; Wittich GR; Casola G; Wing VW; Halasz NA; Lee AS; Withers C: lymphocele: imaging characteristics and percutaneous management. *Radiology* 1986; 161: 593
- vanSonnenberg E; Wittich GR; Edwards DK; Casola G; Hilton SW; Self TW; Keightley A; Withers C: percutaneous diagnostic and therapeutic interventional radiologic procedures in children: experience in 100 patients. *Radiology* 1987; 162: 601
- vanSonnenberg E; Wittich GR; Schiffman HR; Cabrera OA; Willson SA; Quinn SF; Casola G; Hayne LA; Polansky AD: percutaneous drainage access: simplified coaxial technique. *Radiology* 1986; 159: 266
- Van Steenberg W; Joosten E; Marchal GJF; et al: hepatic lymphangiomatosis: report of a case and review of the literature. (ab). *Radiology* 1986; 158: 857
- Van Steenberg W; Samain H; Pouillon M; et al: transection of the pancreas demonstrated by ultrasound and computed tomography. *Gastrointest Radiol* 1987; 12: 128
- Van Straalen AM See Puijlaert CBAJ
- Van Tassel P See Lee Y-Y
- Van Tassel P See Feuchot M
- Van Tassel P; Lee Y-Y; Bruner JM: supratentorial ependymomas: computed tomographic and pathologic correlations. *CT* 1986; 10: 157
- Van Tassel P; Lee Y-Y; Bruner JM: synchronous and metachronous malignant gliomas: CT findings. *AJNR* 1988; 9: 725
- Van Tassel P; Yeakley JW; Lee KF: cerebellar calcification in central neurofibromatosis: CT in two cases. *AJNR* 1987; 8: 913
- Van Thiel D See Penkrot RJ
- Van Thiel DH See Dominguez R
- Van Train K See Friedman J
- Van Train K See Reisman S
- Van Train KF; Berman DS; Garcia EV; et al: quantitative analysis of stress thallium-201 myocardial scintigrams: multicenter trial. *J Nucl Med* 1986; 27: 17
- Van Tussenbroek F See Goes E
- Van Tussenbroek FM See Stadnik TW
- Vanuytsel L; Ang KK; Vandenbusche L; et al: radiotherapy in multiple fractions per day for prostatic carcinoma: late complications. *Int J Radiat Oncol Biol Phys* 1986; 12: 1589
- Vanuytsel L; Feng Y; Landuyt W; et al: effect of simultaneous administration of bleomycin on the acute skin reactions of mice after single and fractionated doses of radiation. *Int J Radiat Oncol Biol Phys* 1988; 14: 103

- van Valenberg FL; Corstens FH: hunter's shoulder in bone imaging. *Clin Nucl Med* 1988; 13: 62
- van Voorhies AE See Guit GL
- van Waas PFGM See Feldberg MAM
- van Waas PFGM; Feldberg MAM; Goldberg HI; Herve P; Zonneveld FW; Cann CE: direct coronal and direct sagittal CT of abdomen and pelvis: approach to staging malignancies. *Radiographics* 1986; 6: 213
- van Waas PFGM; Simoons-Smit IM: use of antibiotics in interventional radiologic procedures: an important lesson still to be learned. *Radiology* 1988; 166: 570
- Vanway CW See Hossack KF
- van Weelde BJG; Bakkers JTN: abnormal nephrogram pattern as an adverse reaction to contrast material: case report. *Eur J Radiol* 1987; 7: 70
- van Weerden TW See Boonstra AM
- van Wiechen PJ: reversed calcaneal spurs in children. *Skeletal Radiol* 1987; 16: 17
- Van Winkle TJ See Grossman RI
- van Woerden HH See Penning L
- VanZandt TF: roentgen signs in diagnostic imaging. 2d ed. vol. 2. appendicular skeleton. *Radiology* 1986; 158: 678
- VanZandt TF: roentgen signs in diagnostic imaging. 2d ed. vol. 3. spine and central nervous system. *Radiology* 1986; 161: 30
- van Zanten TEG See Castellijn JA
- van Zanten TEG See Golding RP
- van Zanten TEG; Golding RP: CT and MR demonstration of leiomyosarcoma of inferior vena cava. *JCAT* 1987; 11: 670
- Van Zanten TEG; Golding RP; Taets Van Amerongen AHM; et al: nuclear magnetic resonance imaging of bone marrow in childhood leukaemia. *Clin Radiol* 1988; 39: 77
- van Zanten TEG; Golding RP; Taets van Amerongen AHM: osteosarcoma with calcific mediastinal lymphadenopathy. *Pediatr Radiol* 1987; 17: 258
- van Zanten TEG; Teule GJJ; Golding RP; et al: CT and nuclear medicine imaging in vertebral metastases. *Clin Nucl Med* 1986; 11: 334
- Van Zijl J See van Rijn ABB
- Vaqueiro M; Glaviczki P; Fisher J; et al: lymphoscintigraphy in lymphedema: aid to microsurgery. *J Nucl Med* 1986; 27: 1125
- Vaquer RA See Dunn EK
- Varekamp AE; de Vries AJ; Zurcher C; et al: lung damage following bone marrow transplantation. II. the contribution of cyclophosphamide. *Int J Radiat Oncol Biol Phys* 1987; 13: 1515
- Varga J; Fennes A: destructive noninfectious spondylarthropathy in hemodialysis patients. *Radiology* 1987; 164: 584
- Vargas B See Lebowitz RL
- Vargas B; Lebowitz RL: coexistence of congenital megacalyces and primary megaureter. *AJR* 1986; 147: 313
- Varghese AJ; Whitmore GF: identification of a reactive glutathione conjugate as a metabolite of SR-2508 in CHO cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1223
- Varia M; Rosenman J; Halle J; et al: primary radiation therapy for medically inoperable patients with endometrial carcinoma—stages I–II. *Int J Radiat Oncol Biol Phys* 1987; 13: 11
- Varia MA See Halle JS
- Varia MA See Sherouse GW
- Varma DGK See Campeau RJ
- Varma DGK; Faust JM: computed tomography of gangrenous acute postoperative acalculous cholecystitis. *CT* 1988; 12: 29
- Varma DGK; Godwala T: unusual metastases from esophageal carcinoma: computed tomography demonstration. *CT* 1987; 11: 205
- Varma DGK; Muchmore JH; Mizushima A: computed tomography of infiltrating benign lipoma. *CT* 1987; 11: 45
- Varma RR See Mewissen MW
- Varma VA See Lichtman JB
- Varnell RM; Stimac GK; Fligner CL: CT diagnosis of toxic brain injury in cyanide poisoning: considerations for forensic medicine. *AJNR* 1987; 8: 1063
- Varnes ME See Biaglow JE
- Varnes ME See Tuttle SW
- Varney RA; vanSonnenberg E; Casola G; Sukthankar R: balloon techniques for percutaneous gastrostomy in a patient with partial gastrectomy. *Radiology* 1988; 167: 69
- Varney RR See vanSonnenberg E
- Varsano D See Tauber T
- Vartanyan IA See Tsirlinikov EM
- Vas W See Patel B
- Vas W See Salimi Z
- Vas W; Bilotta W; Sundaram M; et al: computed tomography of omental liver packs. *JCAT* 1988; 12: 592
- Vas W; Wolverson MK; Johnson F; et al: MRI of an angiolipoma. *Magn Res Imag* 1986; 4: 485

- Vas WG; Seelig R; Mahanta B; et al: neutropenic colitis: evaluation with computed tomography. *CT* 1988; 12: 211
- Vasavada P See Maxon HR
- Vasavada PJ See Liu J
- Vasdev A See Charachon R
- Vasey CG; Armstrong WF; West SR; et al: failure of Fluosol DA to enhance the ultrasonic image of infarcted myocardium. *JCU* 1986; 14: 613
- Vashishi S See Bhargava S
- Vashist GP See Bhushan B
- Vasilakos P See Passas V
- Vasile N See Mathieu D
- Vasile N; Mathieu D; Keita K; et al: computed tomography of thoracic aortic dissection: accuracy and pitfalls. *JCAT* 1986; 10: 211
- Vasile N; Nicoleau F; Mathieu D: CT features of cardiopericardial masses. *Eur J Radiol* 1986; 6: 21
- Vasirapee P See Reitz MD
- Vasisth CM See Mustafa AA
- Vasquez RE; Landay M; Kilman WJ; Estrera A; Schreiber T: benign esophagorespiratory fistulas in adults. *Radiology* 1988; 167: 95
- Vasquez TE; Evans DG; Ashburn WL: efficacy of syrup of ipecac-induced emesis for emptying gastric contents. *Clin Nucl Med* 1988; 13: 638
- Vasquez TE; Evans DG; Schiffman H; et al: fungal splenic abscesses in the immunosuppressed patient: correlation of imaging modalities. *Clin Nucl Med* 1987; 12: 36
- Vasquez TE; Frey C; Walker LN; et al: false-negative bone image with radiographically evident osteoblastic lesions in prostatic carcinoma. *Clin Nucl Med* 1986; 11: 817
- Vasquez TE; Greenspan G; Evans DG; et al: clinical efficacy of intravenous morphine administration in hepatobiliary imaging for acute cholecystitis. *Clin Nucl Med* 1988; 13: 4
- Vassal J See Anda S
- Vaswani AN See Aloia JF
- Vatis D See Dumoulin CL
- Vaughan ATM; Anderson P; Dykes PW; et al: limitations to the killing of tumours using radiolabelled antibodies. *Br J Radiol* 1987; 60: 567
- Vaughan ED Jr See Gilbert BR
- Vaughan HG Jr See Giesler BS
- Vaughan WC See Doris I
- Vaum R See Robinson GD Jr
- Vaupel P See Groebe K
- Vaupel P See Marx E
- Vaupel P See Mueller-Klieser W
- Vavrek RM See MacFall JR
- Vawter GF See Griscorn NT
- Vawter GF See Hernandez-Schulman M
- Vayssair M; Debure C; Cormier J-M; et al: hypothermic hammer syndrome: seventeen cases with long-term follow-up. (ab). *Radiology* 1988; 166: 293
- Vazquez FM See Borrero GO
- Vazquez R See Aquino NM
- Vazquez R See Cone L
- Vazquez R See Oates E
- Vazquez R; Oates E; Hesla R: pseudo-splenic uptake in a DISIDA scan: a normal liver variant. *Clin Nucl Med* 1987; 12: 763
- Vazquez R; Oates E; Sarno RC; et al: gallium-67 breast uptake in a patient with hypothalamic granuloma (sarcoid). *J Nucl Med* 1988; 29: 118
- vd Vliet AM; Ruzza HT; Thijssen HOM; et al: bilateral direct carotid-cavernous fistulas of traumatic and spontaneous origin: two case reports. *Neuroradiol* 1987; 29: 565
- v. d. Wijngaard JAGW See Reuss A
- Vea HW See Gilbert BR
- Veal CF Jr See Myers JL
- Veall N See Smith T
- Veasy LG See Jaffe RB
- Vedal S See Bergin CJ
- Vedal S See Müller NL
- Vedal S See Staples CA
- Vedder JS See Barrs DM
- Veerman AJF See Pieters R
- Veerman AJF See Taets van Amerongen AHM
- Veeze-Kuijpers B; Van Andel JG; Stiegelis WF; et al: case report: benign thymic cyst following mantle radiotherapy for Hodgkin's disease. *Clin Radiol* 1987; 38: 289
- Vega A See Serrano MAP
- Vega A; Ortiz A; Longo JM; et al: CT of ruptured aneurysm of aberrant right subclavian artery. *Cardiovasc Intervent Radiol* 1987; 10: 13
- Vega RJ See Alter AJ
- Veiga-Pires JA See Kaiser MC
- Veillon B See Vallancien G
- Veillon F See Krause D
- Vejborg I See Kamy C
- Velaj R; Drayer BP; Albright R; et al: comparative neurotoxicity of angiographic contrast media. (ab). *Radiology* 1986; 160: 286

- Velasco M See Martinez A
- Velasquez G; D'Souza VJ; Glass TA; et al: calcified thrombus of the inferior vena cava in transposition of the great vessels. *Cardiovasc Intervent Radiol* 1986; 9: 19
- Velchik M See Gefter WB
- Velchik MG See Allen KS
- Velchik MG See Eisenberg B
- Velchik MG See Feldman M
- Velchik MG See Glickstein MF
- Velchik MG See McCarthy KE
- Velchik MG See Mishkin J
- Velchik MG See Noel AW
- Velchik MG See Sandler MS
- Velchik MG See Tobin M
- Velchik MG; Noel AW: false-positive liver scan due to an intrahepatic gallbladder defect by cholecistigraphy. *Clin Nucl Med* 1987; 12: 50
- Veldhuizen RW See Puylaert JBCM
- Vellack KD; Virjee J: audit on the use of the barium enema. (ab). *Radiology* 1986; 161: 573
- Vellenga CJLR; Mulder JD; Bijvoet OLM: radiological demonstration of healing in Paget's disease of bone treated with APD. (ab). *Radiology* 1986; 158: 570
- Vellet D See Bester L
- Velut S See Ramos F Jr
- Veluvolu P; Isitman AT; Collier BD; et al: false-positive technetium-99m sulfur colloid gastrointestinal bleeding study due to Paget's disease. *Clin Nucl Med* 1988; 13: 465
- Veluvolu P; Kohn HS; Guten GN; et al: unusual stress fracture of the scapula in a jogger. *Clin Nucl Med* 1988; 13: 531
- Veluvolu P; Whalen JP; Collier BD; et al: scintigraphic demonstration of hepatocellular damage after verapamil toxicity. *Clin Nucl Med* 1988; 13: 368
- Venderheyden J-L See Deutsch E
- Vendetti F See Lee VW
- Venes JL See DiPietro MA
- Venes JL See Whitaker JB
- Venet A See Israel-Biet D
- Venger BH See Dion FM
- Vengasarkar US; Piniapathy RP; Parekh B; et al: intracranial tuberculoma and the CT scan. (ab). *Radiology* 1987; 162: 590
- Venkatasubramanian FN See Bárány M
- Venkatasubramanian FN; Mafee MF; Bárány M: quantitation of phosphate metabolites in human leg *in vivo*. *Magn Res Med* 1988; 6: 359
- Venkatesan P See Zalutsky JR
- Venot A; Liehn J-C; Lebrucher J-F; et al: automated comparison of scintigraphic images. *J Nucl Med* 1986; 27: 1337
- Venta L See Feldman L
- Venta LA; Feldman L: case report: a subclavian line complication: embolisation of an arteriovenous fistula. *Clin Radiol* 1988; 39: 210
- Vento JA See Slavin JD Jr
- Vento JA; Edkin R; Slavin JD Jr; et al: multifocal osteogenic sarcoma in the seventh decade. *Clin Nucl Med* 1986; 11: 282
- Vento JA; Slavin JD Jr; O'Brien JJ; et al: bilateral "simultaneous" femoral neck fractures following minimal stress. *Clin Nucl Med* 1986; 11: 411
- Vento JA; Slavin JD Jr; Reardon GE; et al: Graves' disease: initial presentation with exophthalmos and solitary hot nodule. *Clin Nucl Med* 1986; 11: 404
- Ventruto V; Ametrano O; D'Avanzo G; et al: case of autosomal recessive form of cranio-metaphyseal dysplasia with unusual features and with bone fragility. *Australas Radiol* 1987; 31: 79
- Ventura J See Morris TW
- Venugopal P; Kaul U; Iyer KS; et al: fate of thrombectomized Bjork-Shiley valves: long-term cinefluoroscopic, echocardiographic, and hemodynamic evaluation. (ab). *Radiology* 1986; 161: 285
- Verain AL See Claudon M
- Verani MS See Lacy JL
- Verani MS See Rokeby R
- Verani MS See Seals AA
- Verani R See Kim EE
- Verbanck JJ; Rutgeerts LJ; Douterlungne FH; et al: sonographic and pathologic correlation in intussusception of the bowel. *JCU* 1986; 14: 393
- Verbanck JJ; Vermeulen JT; Rutgeerts LJ; Depuyt FG; Ghillebert GL; Segaert MF; Naessens MH: dilated abdominal paraaortic lymphatic duct: a possible pitfall in retroperitoneal US. *Radiology* 1988; 167: 701
- Verbeeten B Jr See de Visser M
- Verbeeten B Jr See van Rooij WJJ
- Verbeken E See Marchal GJF
- Verbeken EE See Marchal GJF
- Verbeken EK See Oyen RH

- Verboet AJ See Kieft GJ
- Vercamer R; Janssens J; Usewils R; et al: computed tomography and lymphography in the preoperative staging of early carcinoma of the uterine cervix, (ab), *Radiology* 1988; 167: 293
- Verco FW See Furness ME
- Verco FW; Barbary J; Enthoven C: Turner's syndrome, *Australas Radiol* 1986; 30: 74
- Verco FW; LeQuenne GW: agenesis of the corpus callosum in the foetus, neonate and infant, *Australas Radiol* 1987; 31: 129
- Veres C See Tamraz JC
- Vergani P See Ghidini A
- Vergani P; Ghidini A; Sirtori M; et al: antenatal diagnosis of fetal acrania, *J Ultrasound Med* 1987; 6: 715
- Vergara JA; Raymond-U; Thet LA: changes in lung morphology and cell number in radiation pneumonitis and fibrosis: quantitative ultrastructural study, *Int J Radiat Oncol Biol Phys* 1987; 13: 723
- Verges E; Easton D; Brada M; et al: radiotherapy results in laparotomy-staged Hodgkin's disease, *Clin Radiol* 1988; 39: 428
- Vergeslich KA; Sommer G; Wittich GR; et al: acute renal failure in children: an ultrasonographic-clinical study, *Eur J Radiol* 1987; 7: 263
- Verguts L; Deconinck K; Mortelmans LL: alkaline encrusting cystitis, *Urol Radiol* 1987; 9: 53
- Verhaaren H See Kunnen M
- Verhaghe RH See Wilms GE
- Verhoef WA See Cloostermans MJTM
- Verma RC See Ngo C
- Vermesh M; Mayden KL; Confino E; et al: prenatal sonographic diagnosis of Hirschsprung's disease, *J Ultrasound Med* 1986; 5: 37
- Vermeulen JT See Verbanck JJ
- Vermeulen JWAH See Sijens PE
- Vermye A See Bleichrodt RP
- Vermorken JB See van Harskamp G
- Vermund H; Jacobsen AB; Kaalhus O; et al: changing aspects in the treatment of squamous cell carcinoma of the oral tongue, *Acta Oncol* 1987; 26: 163
- Vermynen J See Wilms GE
- Verna E; Santarone M; Boscarini M; et al: unusual origin and course of the first septal branch of the left coronary artery: angiographic recognition, *Cardiovasc Intervent Radiol* 1988; 11: 146
- Vernacchia FS; Jeffrey RB Jr; Federle MP; Grendell JH; Laing FC; Wing VW; Wall SD: pancreatic abscess: predictive value of early abdominal CT, *Radiology* 1987; 162: 435
- Vernon WB See Iglehart JD
- Veronesi A; Figoli F; Tirelli U; et al: lymphographic findings in prostatic carcinoma with distant metastases, (ab), *Radiology* 1987; 162: 292
- Veronesi U; Zucali R; Luini A: local control and survival in early breast cancer: Milan trial, *Int J Radiat Oncol Biol Phys* 1986; 12: 717
- Verreault J See Leclerc Y
- Verreault J; Cote C: flip-flop phenomenon and dissection of extracranial carotid artery, *Clin Nucl Med* 1986; 11: 251
- Verreault J; Lepage S; Bisson G; et al: ascites and right pleural effusion: demonstration of a peritoneo-pleural communication, *J Nucl Med* 1986; 27: 1706
- Versace R See Meloni L
- Verstandig A See Bloom RA
- Verstandig A See Burke DR
- Verstandig A See Levine MS
- Verstandig AG; Banner MP; Van Arsdalen KN; Pollack HM: upper urinary tract calculi: extrusion into perinephric and perireticular tissues during percutaneous management, *Radiology* 1986; 158: 215
- Versteeg KR See Hilger DJ
- Versteeg CWM See Franke CL
- Verstraeten A See Geusens P
- Vervliet J See van Dam FA
- Verzijlbergen F See Piers DB
- Vesce F; Guerini P; Perri G; et al: ultrasonographic diagnosis of ectasia of the umbilical vein, *JCU* 1987; 15: 346
- Vesely JJ See Schey WL
- Vespignani H See Bracard S
- Vesal K See Esfahani F
- Veterans Administration Cooperative Study Group 141: comparative evaluation of prosthetic, reversed, and in situ vein bypass grafts in distal popliteal and tibial-peroneal revascularization, (ab), *Radiology* 1988; 169: 293
- Vetrovec GW See DiSciascio G
- Vetter J See Barfuss H
- Vetter J See Mazza B
- Vetto RM See Salam M
- Vettori C See Livraghi T
- Veyrac C; Couture A: normal and pathologic choroid plexus ultrasound, (ab), *Radiology* 1986; 158: 282
- Vezina WC; Grace DM; Chamberlain MJ; et al: gastric emptying before and after transverse gastropasty for morbid obesity, *Clin Nucl Med* 1986; 11: 308
- Viamonte M Jr See Ros FR
- Viamonte M Jr: emerging technologies for the diagnosis of portal hypertension, *AJR* 1987; 148: 1113
- Viard J-P; Lesavre P; Boitard C; et al: POEMS syndrome presenting as systemic sclerosis: clinical and pathologic study of a case with microangiopathic glomerular lesions, (ab), *Radiology* 1988; 169: 591
- Vichi G See Perri G
- Vichi GF; Falcini F; Pierattelli M; et al: case report 401, *Skeletal Radiol* 1986; 15: 665
- Vici L-G See Hahn PF
- Vick CW See Cook DE
- Vick CW See Freeman MP
- Vick CW See Ritchie WW
- Vick CW; Bird K; Rosenfield AT; Klein FA; Schneider V; Walsh JW; Brewer WH: extratesticular hemorrhage associated with torsion of the spermatic cord: sonographic demonstration, *Radiology* 1986; 158: 401
- Vick GW III See Wendt RE III
- Vickers DW See Foote KD
- Vicks BS; Perusek M; Johnson J; et al: primary adrenal lymphoma: CT and sonographic appearances, *JCU* 1987; 15: 135
- Victor S See Jayanthi V
- Vidaver R See Devereux CK
- Videman T See Langenskiöld A
- Vidvans AS See Samuel AM
- Vielh P See Fourquet A
- Vielvoye CJ See Bredveld FC
- Vielvoye GJ See Bernsen PLJA
- Vielvoye GJ See de Lange EE
- Vielvoye GJ See Roos RAC
- Vieras F See Actis ER
- Vieras F See Rohatgi PK
- Vieras F: evolution of acute epididymitis to testicular infarction: scintigraphic demonstration, *Clin Nucl Med* 1986; 11: 158
- Vieras F: serendipitous lymph node visualization during bone imaging, *Clin Nucl Med* 1986; 11: 434
- Viergever MA See van Giesse JW
- Vieux U See Skarzynski JJ
- Vigder L See Nussinson E
- Viglione CA; Cutting JT Jr; Clark RL: molding of the uterus following intrauterine contraceptive device removal: documentation by hysterosalpingography, *Urol Radiol* 1987; 9: 188
- Vigliotti A; Kong JS; Fuller LM; et al: thyroid lymphomas stages IE and IIE: comparative results for radiotherapy only, combination chemotherapy only, and multimodality treatment, *Int J Radiat Oncol Biol Phys* 1986; 12: 1807
- Vigliotti A; Rich TA; Romsdahl MM; et al: postoperative adjuvant radiotherapy for adenocarcinoma of the rectum and rectosigmoid, *Int J Radiat Oncol Biol Phys* 1987; 13: 999
- Vigliotti APG See Wang M-L
- Vignaud J See Le Bihan D
- Vigneron DB See Bretan PN Jr
- Vigneron DB; Tzika AA; Hricak H; Price DC; Bretan P; Abouseif S; Müller S; James TL: complete and partial ureteral obstruction: evaluation of renal effects with P-31 MR spectroscopy and Tc-99m scintigraphy, *Radiology* 1988; 168: 645
- Vigo M See Corbetti F
- Vigorita VJ; Vitale A; Scalfani S; et al: case report 403, *Skeletal Radiol* 1986; 15: 680
- Vigorito C See Ferrara N
- Vihko P; Kontturi M; Lukkainen O; et al: immunoscintigraphic evaluation of lymph node involvement in prostatic carcinoma, (ab), *Radiology* 1988; 169: 588
- Vijayakumar S See Mota HC
- Vijayakumar S See Muller-Runkel R
- Vijayakumar S See Ng TC
- Vijayaraghavan SB: diaphragmatic eventration into the pericardial sac: sonographic diagnosis, *JCU* 1988; 16: 510
- Vik-Mo H See Haugland H
- Vikram B See Leventag P
- Villaro M See Gordillo R
- Villaro M See Mitchell DG
- Villaro MM See Pennell RG
- Villaro MM; Rifkin MD; Pennell RG; et al: endovaginal ultrasound: a technique for evaluation of nonfollicular pelvic masses, *J Ultrasound Med* 1987; 6: 697
- Vilcoq J See Ghossein NA
- Vilcoq JR See Calle R
- Viljeun DL See Cremin BJ
- Villafana T See Stanton L
- Villafana T: fundamental physics of magnetic resonance imaging, *Radiol Clin North Am* 1988; 26: 701
- Villanueva-Meyer J; Marcus C; Thompson K; et al: diagnosis and quantitation of pulmonary arteriovenous malformations by factor analysis, *Clin Nucl Med* 1986; 11: 88
- Villanueva-Meyer J; Philippe L; Cordero S; et al: use of factor analysis in the evaluation of left to right cardiac shunts, *J Nucl Med* 1986; 27: 1442
- Villari N See Santoni R
- Villarica J; Gross RC: treatment of angioplasty-related iliac-artery rupture without bypass surgery (case report), *AJR* 1986; 147: 389
- Villemure JG See Theron J
- Villemure J-G See Tyler JL
- Villringer A; Rosen BR; Belliveau JW; et al: dynamic imaging with lanthanide chelates in normal brain: contrast due to magnetic susceptibility effects, *Magn Res Med* 1988; 6: 164
- Viloria J See Withers CE
- Vince DJ; Culham JAG; Taylor GP: balloon-dilatable arterial banding prosthesis: experimental study, *Radiology* 1987; 164: 141
- Vincent AC See Lanfear RB
- Vincent LM See Harris RD
- Vincent LM See Parker LA
- Vincent LM See Shuman WP
- Vincent LM: ultrasound of soft tissue abnormalities of the extremities, *Radiol Clin North Am* 1988; 26: 131
- Vincent LM; McCartney WH; Flynn TC: unusual hepatic uptake pattern of technetium-99m sulfur colloid and technetium-99m HDP in amyloidosis, *Clin Nucl Med* 1986; 11: 436
- Vincent LM; Parker LA; Mittelstaedt CA: sequelae of continuous ambulatory peritoneal dialysis (CAPD) mimicking primary gynecologic pathology, *J Ultrasound Med* 1987; 6: 483
- Vincent ME See Robbins AH
- Vincent ME; Robbins AH: radiographic evaluation of Blom-Singer prosthesis, *Radiology* 1987; 162: 289
- Vincent NR; Denis L: exercise thallium stress testing compared with coronary angiography in patients without exclusions for suboptimal exercise or cardioactive medications, *Clin Nucl Med* 1986; 11: 688
- Vincent RN; Menticoglou S; Chanas D; et al: prenatal diagnosis of an unusual form of hypoplastic left heart syndrome, *J Ultrasound Med* 1987; 6: 261
- Vincetelli F See Vian-Dury J
- Vincetelli F; Grisoli F; Jiddane M; et al: intracranial vascular sarcoma: a series of 12 cases and a review of the literature, *J Neurosurg* 1987; 14: 233
- Vincenzi F See Haddick WK
- Vincenzi F See Hricak H
- Vines FS See Eisenberg RA
- Vinh TN See Moser RP Jr
- Vinitaki S See Mitchell DG
- Vinitaki S See Teitelbaum GP
- Vinitaki S; Griffey R; Fuka M; et al: effect of the sampling rate on magnetic resonance imaging, *Magn Res Med* 1987; 5: 278
- Vinitaki S; Pearson MG; Karlik SJ; et al: differentiation of parenchymal lung disorders with in vitro proton nuclear magnetic resonance, *Magn Res Med* 1986; 3: 120
- Vink R; Knobloch SM; Faden AI: ³¹P magnetic resonance spectroscopy of traumatic spinal cord injury, *Magn Res Med* 1987; 5: 390
- Vink R; McIntosh TK; Faden AI: nonedited ¹H NMR lactate/n-acetyl aspartate ratios and the in vivo determination of lactate concentration in brain, *Magn Res Med* 1988; 7: 95
- Vink R; McIntosh TK; Yamakami I; et al: ³¹P NMR characterization of graded traumatic brain injury in rats, *Magn Res Med* 1988; 6: 37
- Vinocur L; Slovis TL; Perlmuter AD; Watts FB Jr; Chang C-H: follow-up studies of multicystic dysplastic kidneys, *Radiology* 1988; 167: 311
- Vinograd I See Ariel I
- Vinograd I See Barki Y
- Vinters HV See Lantman TH
- Vintzileos AM See Campbell WA
- Vinuela F See Lufkin RB
- Vinuela F See Pelz DM
- Vinuela FV See Campos J
- Vinuela FV See Dion JE
- Vinuela FV See Pelz DM
- Vinuela FV See Spiegel SM
- Vinuela FV See Terrell LM
- Vinuela FV; Fox AJ; Pelz DM; et al: angiographic follow-up of large cerebral AVMs incompletely embolized with isobutyl-2-cyanoacrylate, *AJNR* 1986; 7: 919
- Vinuela FV; Fox AJ; Pelz DM; et al: unusual clinical manifestations of dural arteriovenous malformations, (ab), *Radiology* 1987; 162: 390
- Viola S See Martini A

Violante

- Violante MR** See **Lauteala L**
Violante MR See **Sands MS**
Violi L See **Ross GJ**
Vion-Dury J See **Debaene A**
Vion-Dury J; Jiddane M; Bouchacour M; et al: mid- and long-term MRI study of sequelae of acute necrotizing viral encephalitis. *J Neuroradiol* 1987; 14: 53
Vion-Dury J; Jiddane M; Van Bunnin Y; et al: sequelae of carbon monoxide poisoning: an MRI study of two cases. *J Neuroradiol* 1987; 14: 60
Vion-Dury J; Vincentelli F; Jiddane M; et al: MR imaging of epidermoid cysts. *Neuroradiol* 1987; 28: 333
Virapongse C See **Saterfiet JL**
Virapongse C; Cazenave C; Quisling RG; Sarwar M; Hunter S: empty delta sign: frequency and significance in 76 cases of dural sinus thrombosis. *Radiology* 1987; 162: 779
Virapongse C; Mancuso AA; Quisling RG: human brain infarcts: imaging by MR enhanced Gd-DTPA. *Radiology* 1986; 161: 785
Virjee J See **Vellacott KD**
Virmani R; Robinowitz M; Atkinson JB; et al: acquired coronary arterial aneurysms: autopsy study of 52 patients. (ab). *Radiology* 1986; 161: 861
Virtama P See **Brown JC**
Virtama P See **Griffiths HJ**
Virtama P: computed tomography in trauma. *Radiology* 1987; 164: 338
Virtama P: magnetic resonance imaging. *Radiology* 1987; 164: 542
Virtama P: magnetic resonance imaging and spectroscopy. *Radiology* 1987; 164: 822
Virtama P: magnetic resonance of the musculoskeletal system. *Radiology* 1987; 164: 436
Virtama P: running athlete: roentgenograms and remedies. *Radiology* 1988; 167: 456
Virzi F See **Hnatowich DJ**
Viscarello RR See **Feyster RG**
Visciani A See **Vaghi M**
Visona A; Lusiani L; Castellani V; et al: echo-Doppler (duplex) system for the detection of vertebral artery occlusive disease: comparison with angiography. *J Ultrasound Med* 1986; 5: 247
Visscher DW; Alexander RW; Dempsey TR: case report 472. *Skeletal Radiol* 1988; 17: 285
Visser CA See **Delemaer BJ**
Visser FC See **van Rossum AJ**
Vital J-M See **Grenier N**
Vitale A See **Vigorita VJ**
Vitale GC See **Richardson JD**
Vitek JJ See **Duvall ER**
Vitek JJ; Keller FS; Duvall ER; Gupta KL; Chandrasekar B: brachiocephalic artery dilation by percutaneous transluminal angioplasty. *Radiology* 1986; 158: 779
Viti G See **Zoli M**
Vitoux J-F See **Fieissinger J-N**
Vitoux J-F See **Pernes JM**
Vittimberga FJ See **Kaszar-Seibert DJ**
Vitullo DA See **Petrozou PJ**
Vivaldi MT See **Polak JF**
Vivian G See **Raby N**
Vivian GC See **Saxton HM**
Vlaicu R See **Mircea PA**
Vlasbloem H See **Schultze Kool LJ**
Vlasbloem H; Schultze Kool LJ: AMBER: a scanning multiple-beam equalization system for chest radiography. *Radiology* 1988; 169: 29
Vlodaver Z See **Butto F**
Vlodaver Z See **Smith TP**
Vlodaver Z See **Zollikofer CL**
Vo NM See **Shannon JJ Jr**
Vock P; Hedlund LW; Herfkens RJ; et al: work in progress: in vitro analysis of pleural fluid analogs by proton magnetic resonance. preliminary studies at 1.5T. *Invest Radiol* 1987; 22: 382
Vock P; Hodler J: cardiophrenic angle adenopathy: update of causes and significance. *Radiology* 1986; 159: 395
Vock P; Malanowski D; Tschaeppeler H; et al: computed tomographic lung density in children. *Invest Radiol* 1987; 22: 627
Vock P; Salzmann C: comparison of computed tomographic lung density with haemodynamic data of the pulmonary circulation. *Clin Radiol* 1986; 37: 459
Voegeli DR See **Bennett LN**
Voegeli DR See **Jensen SR**
Voegeli DR See **McDermott JC**
Voegeli DR See **Peters ME**
Voegeli DR; Crummy AB; McDermott JC; Jensen SR: percutaneous dilation of ureteral strictures in renal transplant patients. *Radiology* 1988; 169: 185
Voegeli DR; Crummy AB; McDermott JC; Jensen SR; Montague TL: percutaneous management of the urological complications of renal transplantation. *Radiographics* 1986; 6: 1007
Voeller K See **Savolaine ER**
Voet R See **Schultz SM**
Vogel JM See **Ross PD**
Vogel P; Laing FC; Jeffrey RB Jr; Wing VW: deep venous thrombosis of the lower extremity: US evaluation. *Radiology* 1987; 163: 747
Vogel SB See **Pessa ME**
Vogele K See **Lenkinski RE**
Vogelsang H See **Müller-Vahl H**
Vogelzang RL See **Anschuetz SL**
Vogelzang RL See **Cohen MI**
Vogelzang RL See **Gore RM**
Vogelzang RL See **Keigley B**
Vogelzang RL See **Kuch VA**
Vogelzang RL See **Limpert JD**
Vogelzang RL See **Nemcek AA Jr**
Vogelzang RL See **Smith SJ**
Vogelzang RL See **Spies WG**
Vogelzang RL See **Tobin RS**
Vogelzang RL: modified Cope introducing dilator to allow straight guide wire introduction. *AJR* 1986; 146: 381
Vogelzang RL; Anschuetz SL; Gore RM; Budd-Chiari syndrome: CT observations. *Radiology* 1987; 163: 329
Vogelzang RL; Gore RM: bolus-rapid infusion of contrast medium: simplified technique for optimal computed tomography pancreatography without use of dynamic scanning. *CT* 1987; 11: 1
Vogelzang RL; Gore RM; Anschuetz SL; et al: thrombosis of the splanchnic veins: CT diagnosis. *AJR* 1988; 150: 93
Vogelzang RL; Limpert JD; Yao JST: detection of prosthetic vascular complications: comparison of CT and angiography. *AJR* 1987; 148: 819
Vogelzang RL; Moel DI; Cohn RA; Donaldson JS; Langman CB; Nemcek AA Jr: acute renal vein thrombosis: successful treatment with intraarterial urokinase. *Radiology* 1988; 169: 681
Vogelzang RL; Nemcek AA Jr: percutaneous cholecystostomy: diagnostic and therapeutic efficacy. *Radiology* 1988; 168: 29
Vogelzang RL; Sohay R: infected aortic aneurysms: CT appearance. *JCAT* 1988; 12: 109
Vogelzang RL; Tobin RS; Burstein S; et al: transcatheter intracavitary fibrinolysis of infected extravascular hematomas. *AJR* 1987; 148: 378
Vogl G See **Pohl P**
Vogl T; Brünig R; Grevers G; et al: MR imaging of the oropharynx and tongue: comparison of plain and Gd-DTPA studies. *JCAT* 1988; 12: 427
Vogler H See **Beck-Bornholdt H-P**
Vogler H See **Wüschmidt F**
Vogler H; Beck-Bornholdt H-P: radiotherapy of the rhabdomyosarcoma R1H of the rat: kinetics of cellular inactivation by fractionated irradiation. *Int J Radiat Oncol Biol Phys* 1988; 14: 317
Vogler JB See **Spritzer CE**
Vogler JB III See **Hardy DC**
Vogler JB III See **Helms CA**
Vogler JB III See **Kottal RA**
Vogler JB III See **Murphy WA Jr**
Vogler JB III; Murphy WA: bone marrow imaging. *Radiology* 1988; 168: 679
Vogt M See **König H**
Vohr BR See **Garcia-Coll CT**
Vohra V: Pyle's disease—familial metaphyseal dysplasia—a case report. *Australas Radiol* 1987; 31: 75
Voigt H See **Brockmann WP**
Volberding P See **Bottles K**
Volberg F See **Baker A**
Voldby B See **Knudsen LL**
Volger JB III See **Newbold RG**
Volik B See **Brams HJ**
Volik BA See **Schölmerich J**
Volkert WA See **Goerckel WF**
Volkert WA See **Hung KW**
Volkert WA See **Logan JC**
Volkmann DJ See **Miller DL**
Volkmann ND; Patchell L; Kulkarni MV; et al: adrenoleukodystrophy: imaging with CT, MRI, and PET. *J Nucl Med* 1987; 28: 524
Volle C See **Maxon HR**
Volle E; Hanel D; Beyer P; Kaufmann HJ: ingested foreign bodies: removal by magnet. *Radiology* 1986; 160: 407
Volle E; Kaufmann HJ: pulmonary alveolar microlithiasis in pediatric patients—review of the world literature and two new observations. *Pediatr Radiol* 1987; 17: 439
Volle E; Kern A; Stollenburg G; et al: CT reconstruction technique in lumbar intraneuroforaminal disc herniation. *Neuroradiol* 1988; 30: 138
Vollmann W See **Matthaei D**
Vollmer RT See **Wiener MD**
Volpe JJ See **Perlman JM**
Volpe RJ See **Lubbers PR**
Volpe S See **Guzzetta F**
Volteriani L See **Solbiati L**
von Einsiedel HG; Stepan R: magnetic resonance imaging of spinal cord syndromes. (ab). *Radiology* 1986; 158: 571
von Eschenbach AC See **Zagars GK**
von Essen CF; Bagshaw MA; Bush SE; et al: long-term results of pion therapy at Los Alamos. *Int J Radiat Oncol Biol Phys* 1987; 13: 1389
von Gontard A; Arnold D; Adis B: posterior fossa hemorrhage in the newborn—diagnosis and management. *Pediatr Radiol* 1988; 18: 347
von Hochstetter AR See **Shokry A**
von Holst H See **Moskoin M**
von Krogh J; Lien HH; Ous S; et al: alterations in the CT image following retroperitoneal lymphadenectomy in early stage non-seminomatous testicular tumor. (ab). *Radiology* 1986; 159: 286
von Kummer R See **Knapp WH**
von Lengerke H-J See **Schmidt H**
Von Moll L; McEwan AJ; Shapiro B; et al: iodine-131 MIBG scintigraphy of neuroendocrine tumors other than pheochromocytoma and neuroblastoma. *J Nucl Med* 1987; 28: 979
Von Moll LK; Junji JE; Merion RM: scintigraphic demonstration of accessory hepatic duct leak following liver transplantation. *J Nucl Med* 1988; 29: 259
Von Moll LK; Shulkin BL: dual photon absorptiometry: the importance of clinical correlation. *Clin Nucl Med* 1988; 13: 175
von Ramm OT See **Smith SW**
Von Reuten G-M See **Arnolds BJ**
Von Salta I See **González RG**
Von Schulthess GK See **Augustiny N**
Von Schulthess GK See **Kikinis R**
Von Schulthess GK See **Paulin S**
Von Schulthess GK; Augustiny N: calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging. *Radiology* 1987; 164: 549
Von Schulthess GK; Higashino SM; Higgins SS; Didier D; Fisher MR; Higgins CB: coarctation of the aorta: MR imaging. *Radiology* 1986; 158: 469
Von Schulthess GK; McMurdo KK; Tscholakoff D; de Geer G; Gamsu G; Higgins CB: mediastinal masses: MR imaging. *Radiology* 1986; 158: 289
Von Schulthess GK; Weder W; Goebel N; et al: 1.5 T MRI, CT, ultrasonography and scintigraphy in hyperparathyroidism. *Eur J Radiol* 1988; 8: 157
Von Seggern KB See **Nordstrom LA**
Von Sydow C See **Jensen C**
Voorhees DR See **Woodruff WW Jr**
Voormolen JHC See **de Lange EE**
Voormolen JHC See **Roos RAC**
Vora N See **Borrero GO**
Vora NL See **Wong JYC**
Vorne M See **Lanito T**
Vorne M; Alanko K; Jarvi K; et al: comparison of gallium-67 citrate and technetium-99m glucoheptonate in the evaluation of pulmonary malignancies. *J Nucl Med* 1987; 28: 442
Vorne M; Jarvi K: metastatic tumours detected as cold nodules on the thyroid scan. *Br J Radiol* 1988; 61: 329
Vorne M; Sahlström K; Alanko K: poor accumulation of technetium-99m glucoheptonate in sarcoidosis and other diffuse infiltrative lung diseases as compared with gallium-67 citrate. *Clin Nucl Med* 1988; 13: 107
Vorwerk D; Günther RW; Fischer N; et al: combined treatment of stone-obstructed hepatico-jejunostomy with interventional techniques and ESWL. *Cardiovasc Intervent Radiol* 1988; 11: 72
Vos PH; Pauwels EKJ; Vossepoel AM: thallium myocardial perfusion scintigraphy: influence of perfusion, scatter, and photon energy on the detection of lesions. *Cardiovasc Intervent Radiol* 1986; 9: 7
Vossen P See **Parizel PM**
Vossen P See **Rigaux A**
Vossen PG; van Heden EF; Degryse HR: computed tomography of the polysplenia syndrome in the adult. *Gastrointest Radiol* 1987; 12: 209
Vossepoel AM See **Vos PH**
Votruba J See **Lufkin RB**
Vought MB See **Neagley SR**
Voute PA See **Hoeftnagel CA**
Wracko R See **Ritchie JL**
Vu D: l'ultrasonographie rénale (renal ultrasound). 2d ed. *Radiology* 1986; 160: 644
Vucich JJ See **Fearon T**
Vucich JJ See **Miller DL**
Vucich JJ See **van Schaik JP**
Vujic I See **Moore LB**
Vujic I See **Ross GJ**
Vujic I See **Sanchez FW**
Vujic I: transcatheter embolization in the management of pulmonary hemorrhage. *Radiology* 1987; 164: 879
Vujic I; Moore LB; LeVeen HH: recanalization of occluded superior vena cava for replacement of LeVeen shunt catheter. *Radiology* 1987; 164: 270

- Vujic I; Moore L; McWey RE: retrieval of coil after unintentional embolization of ilioaortic artery. *Radiology* 1986; 160: 563
- Vujic I; Stanley JH; Gobien RP; et al: embolic management of rare hemorrhagic gynecologic and obstetrical conditions. *Cardiovasc Intervent Radiol* 1986; 9: 69
- Vukobratovic S: aluminum bone disease in children: radiographic features from diagnosis to resolution. *Radiology* 1987; 163: 583
- Vuthien H See Gaux JC
- Vyberg M; Miskowiak J; Nielsen SL; et al: cecal angiodysplasia localized by ^{99m}Tc technetium blood-pool scintigraphy and specimen venography. *Cardiovasc Intervent Radiol* 1986; 9: 28
- Vyborny CJ See Chan H-P
- Vyborny CJ See Hatfield MK
- Vyborny CJ See MacMahon H
- Vyborny CJ See Stewart JG
- Vyborny CJ; Merrill TN; Geurkink RE: difficult mammographic needle localizations: use of alternate orthogonal projections. *Radiology* 1986; 161: 839
- Vyborny CJ; Merrill TN; Geurkink RE: difficult mammographic needle localizations: use of alternate orthogonal projections: reply. *Radiology* 1987; 163: 830
- Vyborny CJ; Merrill TN; Reda J; Geurkink RE; Smith SJ: subacute subcapsular hematoma of the spleen complicating pancreatitis: successful percutaneous drainage. *Radiology* 1988; 169: 161
- Vydareny KH See Blane CE
- Vydareny KH See Calhoun JG
- Vydareny KH; Blane CE; Calhoun JG: guidelines for writing multiple-choice questions in radiology courses. *Invest Radiol* 1986; 21: 871
- Vydareny KH; Brower AC; Federle MP; Kirks DR; McCloud TC; Sackett JF: image interpretation session. *Radiographics* 1987; 7: 1129
- Vydareny KH; Brower AC; Kirks DR; Federle MP; McCloud TC; Sackett JF: image interpretation session. *Radiographics* 1988; 8: 55
- Vyhnmeister NR; Linkhart TA; Hay S; et al: measurements of bone mineral content in the term and preterm infant. (ab). *Radiology* 1988; 166: 912

W

- Wagner GN See Mulligan ME
- Wagner HN See Kahl DE
- Wagner HN Jr See Bice AN
- Wagner HN Jr See Claussen M
- Wagner HN Jr See Laube BL
- Wagner HN Jr See Lee MC
- Wagner HN Jr See Scheffel U
- Wagner HN Jr: images of the brain: past as prologue. *J Nucl Med* 1986; 27: 1929
- Wagner HN Jr: quantitative imaging of neuroreceptors in the living human brain. *Semin Nucl Med* 1986; 16: 51
- Wagner HR See Finholt DA
- Wagner LD See Mendelson DS
- Wagner LK See Edeiken-Monroe B
- Wagner LK; Archer BR; Zeck OF: concepts dose from two state-of-the-art CT scanners. *Radiology* 1986; 159: 787
- Wagner LK; Fischer HW: x-rays: health effects of common exams. *Radiology* 1987; 163: 436
- Wagner M See Ho PSP
- Wagner M See Yu S
- Wagner ML See Woodruff WW III
- Wagner RB; Crawford WO Jr; Schimpf FP: classification of parenchymal injuries of the lung. *Radiology* 1988; 167: 77
- Wagner-Mann C See Gross DR
- Wahl A See Rofstad EK
- Wahl GW See Swinburne AJ
- Wahl RL See Arstein NB
- Wahl RL See Lynn MD
- Wahl RL See Shulkin BL
- Wahl RL; Gaetti O; Liebert M; et al: kinetics of interstitially administered monoclonal antibodies for purposes of lymphoscintigraphy. *J Nucl Med* 1987; 28: 1736
- Wahl RL; Tuscan MC; Betti JM: dynamic variable background subtraction: simple means of displaying radiolabeled monoclonal antibody scintigrams. *J Nucl Med* 1986; 27: 545
- Wahlström T See Lehtio P
- Wahner HW See Dunn WL
- Wahner HW: assessment of the viability of skin grafts. *Semin Nucl Med* 1988; 18: 255
- Wahner HW: single- and dual-photon absorptiometry in osteoporosis and osteomalacia. *Semin Nucl Med* 1987; 17: 305
- Wai YY See Lui CC
- Wain SL See Kier R
- Waike RJ; Doherty TW; Liepmann M; et al: Langerhans cell histiocytosis with the radiographic findings of Erdheim-Chester disease. *AJR* 1988; 150: 869
- Waltzkin ED See Kopans DB
- Wajtraub G See Kaplan M
- Wake A See Cochlin DL
- Walach N; et al See Barak F
- Walborn-Jorgensen S See Aabo K
- Walczak TS See Kim KS
- Wald A: colonic transit and anorectal manometry in chronic idiopathic constipation. (ab). *Radiology* 1987; 162: 883
- Wald LM See Tupper TB
- Wald N See Gur D
- Wald V See Chodak GW
- Walden C See Cornwell J
- Walden ME See Hoff FL
- Walden TL; Al-Ansari HM; Farkas WR: elevation of blood levels of zinc protoporphyrin by radiomimetic drugs and friend leukemia virus. *Acta Oncol* 1987; 26: 223
- Waldman DL; Weber DA; Oberdorster G; et al: chemical breakdown of technetium-99m DTPA during nebulization. *J Nucl Med* 1987; 28: 378
- Waldron EJ See Asp AA
- Waldron JA Jr See Adcock KA
- Walicke P See Rothrock JF
- Walker AC; Carr DH: reactions to radiographic contrast media: attempt to detect specific anti-contrast medium antibodies in the sera of reactor patients. *J Radiol* 1986; 59: 531
- Walker AL See Norwood HM
- Walker BA See Rosenberg JC
- Walker BS; Simon TR: superior vena caval obstruction noted on hepatic flow study. *Clin Nucl Med* 1988; 13: 369
- Walker HS; Dietrich RB; Flannigan BD; Lufkin RB; Peacock WJ; Kangaroo H: magnetic resonance imaging of the pediatric spine. *Radiographics* 1987; 7: 1029
- Walker JL; Walling AK: Ogilvie's syndrome in orthopaedic patients. (ab). *Radiology* 1986; 159: 286
- Walker JM; Ferguson DD: sonographic appearance of blood in the fetal stomach and its association with placental abruption. *J Ultrasound Med* 1988; 7: 155
- Walker JV; Fish MB: scintigraphic detection of abdominal wall and diaphragmatic peritoneal leaks in patients on continuous ambulatory peritoneal dialysis. *J Nucl Med* 1988; 29: 1596
- Walker LN See Vasquez TE
- Walker MA See Shall RM
- Walker MF See Dumoulin CL
- Walker MF; Souza SP; Dumoulin CL: quantitative flow measurement in phase contrast MR angiography. *JCAT* 1988; 12: 304

- Walker P; Leski RA; Mathur-De Vre R; et al: VI. preparation of agarose gels as reference substances for NMR relaxation time measurement. *Magn Res Imag* 1988; 6: 215
- Walker PJ See Bailey DL
- Walker PS See Robertson DD
- Walker RD III See Williams JL
- Walker TG; Geller SC: aberrant right subclavian artery with a large diverticulum of Kommerell: a potential for misdiagnosis. *AJR* 1987; 149: 477
- Walker TG; Geller SC; Brewster DC: transcatheter occlusion of a profunda femoral artery pseudoaneurysm using thrombin. *AJR* 1987; 149: 185
- Walker TG; Geller SC; Waltman AC: splenic artery pseudoaneurysms causing lower gastrointestinal hemorrhage. *AJR* 1988; 150: 433
- Walker TM; Dunn DT; Serjeant GR: metacarpal index in homozygous sickle-cell disease. *Br J Radiol* 1988; 61: 280
- Walker WG See Gatewood OMB
- Walkey MM; Friedman AC; Sohota P; et al: CT manifestations of peritoneal carcinomatosis. *AJR* 1988; 150: 1035
- Wall BE See Wolfman NT
- Wall BE; Wolfman NT; Williams R; Moran FR: dedicated MR receiver coils: simple design and construction method. *Radiology* 1986; 160: 273
- Wall BF See Shrimpton PC
- Wall C See Baines CJ
- Wall M See Ey EH
- Wall M See Weisberg LA
- Wall RT See Miller DL
- Wall SD See Duomo GC
- Wall SD See Emery CD
- Wall SD See Uri DS
- Wall SD See Vernachia FS
- Wall SD; Hricak H; Bailey GD; et al: MR imaging of pathologic abdominal fluid collections. *JCAT* 1986; 10: 746
- Wall SD; Ominsky S; Altman DF; et al: multifocal abnormalities of the gastrointestinal tract in AIDS. *AJR* 1986; 146: 1
- Wall WJ See Olutola PS
- Wallace AC See Dion JE
- Wallace DM See Gerson AG
- Wallace JC; Beyea D: cerebral infarction pattern identified on emission computed tomography using technetium-99m MDP. *Clin Nucl Med* 1988; 13: 268
- Wallace JHK See Wolfe BK
- Wallace JM See Batra P
- Wallace JM; Batra P; Gong H Jr; et al: percutaneous needle lung aspiration for diagnosing pneumonitis in the patient with acquired immunodeficiency syndrome (AIDS). (ab). *Radiology* 1986; 160: 572
- Wallace MJ; Charnsangavej C; Ogawa K; Carrasco CH; Wright KC; McKenna R; McMurtrey M; Gianturco C: tracheobronchial tree: expandable metallic stents used in experimental and clinical applications. work in progress. *Radiology* 1986; 158: 309
- Wallace MJ; Ogawa K; Wright KC; et al: inferior vena caval stent filter. *AJR* 1986; 147: 1247
- Wallace RL See Hoadley SD
- Wallace S See Bechtel W
- Wallace S See Charnsangavej C
- Wallace S See Duprat G Jr
- Wallace S See Falline BG
- Wallace S See Lawrence DD Jr
- Wallace S See Lee Y-Y
- Wallace S See Rollins N
- Wallace S See Sawar IA
- Wallace S See Wright KC
- Wallace S See Yoshioka T
- Wallace S; Charnsangavej C; Carrasco CH; et al: interventional radiology in renal neoplasms. *Semin Roentgenol* 1987; 22: 303
- Wallmark CB See Schink JC
- Waller BF See Markel ML
- Waller BF: pathology of transluminal balloon angioplasty used in the treatment of coronary heart disease. (ab). *Radiology* 1987; 165: 585
- Waller DG; Keast CM; Fleming JS; et al: measurement of glomerular filtration rate with technetium-99m DTPA: comparison of plasma clearance techniques. *J Nucl Med* 1987; 28: 372
- Waller ML; Tofts PS: edited ³¹P brain spectra using maximum entropy data processing. *Magn Res Med* 1987; 4: 385
- Walley VM See Guindi MM
- Wallgren A; Arner O; Bergstrom J; et al: radiation therapy in operable breast cancer: results from the Stockholm trial on adjuvant radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 533
- Walling A See Quinn SF
- Walling AK See Walker JL
- Walling JM See Ahmed I
- Walling JM; Stratford IJ: chemosensitization by monofunctional alkylating agents. *Int J Radiat Oncol Biol Phys* 1986; 12: 1397

Walling

- Walling JM; Stratford IJ; Adams GE; et al: studies on the mechanisms of the radiosensitizing and cytotoxic properties of RSU-1069 and its analogues, *Int J Radiat Oncol Biol Phys* 1986; 12: 1083
- Wallis JW; Gubin B; Andrews JC; et al: gallbladder visualization on hepatic artery perfusion scintigraphy, *Clin Nucl Med* 1987; 12: 405
- Wallis JW; Wu-Connolly L; Rocchini AP; et al: dynamic arrhythmia filtration for gated blood-pool imaging: validation against list mode technique, *J Nucl Med* 1986; 27: 1347
- Wallis PL See Xipell JM
- Wallman J See Chinwuba C
- Wallner KE; Li GC: adriamycin resistance, heat resistance and radiation response in Chinese hamster fibroblasts, *Int J Radiat Oncol Biol Phys* 1986; 12: 829
- Wallner KE; Li GC: effect of cisplatin resistance on cellular radiation response, *Int J Radiat Oncol Biol Phys* 1987; 13: 587
- Wallner KE; Pitts LH; Davis RL; et al: radiation therapy for the treatment of non-eighth nerve intracranial neuilemmoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 287
- Wallner KE; Warr WM; Shelton GE; et al: intracranial ependymomas: results of treatment with partial or whole brain irradiation without spinal irradiation, *Int J Radiat Oncol Biol Phys* 1986; 12: 1937
- Wallsten H See Rousseau H
- Walsley AD: applications of ultrasound in dentistry, *Ultrasound Med Biol* 1988; 14: 7
- Walsley AD: potential hazards of the dental ultrasonic descaler, *Ultrasound Med Biol* 1988; 14: 15
- Walsley D; Messios N; O'Malley BF; et al: pituitary size in hypothyroidism as determined by computed tomography, *Br J Radiol* 1987; 60: 935
- Walsh C See Kramer EL
- Walsh JS; Hendry GMA; Utley WS: unusual clinical presentations of bilateral renal artery aneurysms in a child: the value of ultrasound in diagnosis, *Pediatr Radiol* 1987; 17: 436
- Walsh JW See Cook DE
- Walsh JW See Resnik CS
- Walsh JW See Sawyer RW
- Walsh JW See Vick CW
- Walsh JW See Zerhouni EA
- Walsh PC See Dahner WF
- Walsh PV See Leinster SJ
- Walsh RA See Nussynowitz ML
- Walsh RA See Starling MR
- Walsh TJ; Bekerman C; Chausow A; et al: value of gallium-67 scanning in pulmonary tuberculosis, (ab), *Radiology* 1986; 158: 857
- Walsh TJ; Bellisio NJ; Hamilton SR: bacterial esophagitis in immunocompromised patients, (ab), *Radiology* 1987; 162: 290
- Walsh TM See Johnson KA
- Walter E; Hula A; Schmelzle R; Klose U; Küper K; Kalender WA: CT and MR imaging of the temporomandibular joint, *Radiographics* 1988; 8: 327
- Walter JP See Lindfors KK
- Walter JP See McGahan JP
- Walter JP; McGahan JP; Lantz BMT: absolute flow measurements using pulsed Doppler US: work in progress, *Radiology* 1986; 159: 545
- Walter K See Sandler MA
- Walter R See Sandler MA
- Walters MD; Eddy C; Pauerstein CJ: contralateral corpus luteum and tubal pregnancy, (ab), *Radiology* 1988; 167: 884
- Walters MR See Pollei SR
- Walters NA; Coral A: fibrovascular polyp of the oesophagus: the appearances on computed tomography, *Br J Radiol* 1988; 61: 641
- Walters NA; Kilbey J; Rickards D: technique for the removal of retained balloon bladder catheters, *Br J Radiol* 1988; 61: 320
- Walters NA; Thomson KR: leiomyoma causing massive gastrointestinal blood loss: a case report, *Australas Radiol* 1988; 32: 138
- Walther FJ; Sianis B; Wu PK: echocardiographic measurement of left ventricular stroke volume in newborn infants: correlative study with pulsed Doppler and M-mode echocardiography, *JCU* 1986; 14: 37
- Waltman AC See Katsamouris AA
- Waltman AC See Kushner DC
- Waltman AC See Walker TG
- Waltman AC; Katzen BT; Ring EJ; Martin EC; Sos TA; Tegtmeyer CJ: Society of Cardiovascular and Interventional Radiology: credentials criteria for peripheral, renal, and visceral percutaneous transluminal angioplasty, *Radiology* 1988; 167: 452
- Walton AJ See Crum LA
- Walton J: change, challenge and responsibility in medicine, *Clin Radiol* 1986; 37: 1
- Walton JH; Conradi MS: flow velocity measurement with ac gradients, *Magn Res Med* 1987; 4: 274
- Walton KN See Baumgartner BR
- Walton L; Bombard CK; Ramsden D: Sheffield stereotactic radiosurgery unit: physical characteristics and principles of operation, *Br J Radiol* 1987; 60: 897
- Walton L; Ellenberg SS; Major F Jr: results of second-look laparotomy in patients with early-stage ovarian carcinoma, (ab), *Radiology* 1988; 167: 588
- Walton MI See Roberts JT
- Waluch V See Lo WWM
- Walz D; Craig BM; McGinnis KD: bone imaging showing shin splints and stress fractures, *Clin Nucl Med* 1987; 12: 822
- Walz DJ See Taylor DW Jr
- Wambersie A See Griffin TW
- Wamstecker K See Van Roessel J
- Wan M See Yarkoni S
- Wan MCW See Woo JSK
- Wan X See Berliner LJ
- Wan YL; Chen WJ; Huang SC; et al: solitary hepatic Burkitt lymphoma presenting as acute pancreatitis, *Pediatr Radiol* 1988; 18: 160
- Wan Y-L; Hsieh H; Lee T-Y; et al: wall defect as a sign of urinary bladder rupture in sonography, *J Ultrasound Med* 1988; 7: 511
- Wanderer EH; Fossá SD; Tveit KM; et al: sequential 5-fluorouracil and methotrexate: negative experience in metastatic colorectal cancer, *Acta Oncol* 1987; 26: 289
- Wandtke JC See Lampeter WA
- Wandtke JC: interstitial lung disease, *Radiology* 1988; 167: 716
- Wandtke JC: lung cancer: diagnostic procedures and therapeutic management—with special reference to radiotherapy, *Radiology* 1986; 159: 652
- Wandtke JC; Hyde RW; Fahey PJ; et al: measurement of lung gas volume and regional density by computed tomography in dogs, *Invest Radiol* 1986; 21: 108
- Wandtke JC; Plewes DB; McFaul JA: improved pulmonary nodule detection with scanning equalization radiography, *Radiology* 1988; 169: 23
- Wanebo HJ See Pope TL Jr
- Waneck R See Lechner G
- Wang A-M See Bartynski WS
- Wang A-M See Haykal HA
- Wang A-M See Kaye JA
- Wang A-M See Lipman JC
- Wang A-M See Schick RM
- Wang A-M See Suojanen J
- Wang A-M; Fitzgerald TJ; Lichtman AH; et al: neuroradiologic features of primary falx osteosarcoma, *AJNR* 1986; 7: 729
- Wang A-M; Gall CM; Shillito J; Jr; et al: CT demonstration of extradural thoracic meningioma, *JCAT* 1988; 12: 536
- Wang A-M; Haykal HA; Lin JCT; et al: synovial cysts of the lumbar spine: CT evaluation, *Comput Radiol* 1987; 11: 253
- Wang A-M; Jolesz F; Rujaugh CL; et al: thoracic spinal metastasis from unexpected cerebellar medulloblastoma: value of MRI, *Comput Radiol* 1986; 4: 161
- Wang A-M; Leibowitch S; Ridker PM; et al: paraneoplastic cerebellar degeneration in a patient with ovarian carcinoma, *AJNR* 1988; 9: 216
- Wang A-M; Lin JCT; Haykal HA; et al: ependymoma of filum terminale: metrizamide-enhanced CT evaluation, *Comput Radiol* 1986; 4: 239
- Wang A-M; Lin JCT; Power TC; et al: chloroma of cerebellum, tentorium and occipital bone in acute myelogenous leukemia, *Neuroradiol* 1987; 29: 590
- Wang A-M; Lin JCT; Rumbaugh CL: what is expected of CT in the evaluation of stroke?, *Neuroradiol* 1988; 30: 54
- Wang A-M; Morris JH; Fischer EG; et al: cavernous hemangioma of the thoracic spinal cord, *Neuroradiol* 1988; 30: 261
- Wang A-M; O'Leary DH: common carotid artery aneurysm: ultrasonic diagnosis, *JCU* 1988; 16: 262
- Wang A-M; Zamani AA: intradural herniation of thoracic disc: CT metrizamide myelography, *Comput Radiol* 1986; 10: 115
- Wang CC See Biggs PJ
- Wang CC: local control of oropharyngeal carcinoma after two accelerated hyperfractionation radiation therapy schemes, *Int J Radiat Oncol Biol Phys* 1988; 14: 1143
- Wang CC: re-irradiation of recurrent nasopharyngeal carcinoma—treatment techniques and results, *Int J Radiat Oncol Biol Phys* 1987; 13: 953
- Wang CC; Suit HD; Blitzer PH: twice-a-day radiation therapy for supraglottic carcinoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 3
- Wang D-J See Cheng C-Y
- Wang D-J; Cheng C-Y; Chen C-Y; et al: demonstration of intracardiac tumor and its associated hemodynamic derangement by radionuclide angiography, *Clin Nucl Med* 1987; 12: 869
- Wang GJ; Collin M; Crossett J; et al: "bull's-eye" image of gallbladder volvulus, *Clin Nucl Med* 1987; 12: 231
- Wang H See Goldberg AL
- Wang H See Merline D
- Wang H See Van Dop C
- Wang H; Rosenbaum AE; Reid CS; Zinreich SJ; Feyeritz RE: pediatric patients with achondroplasia: CT evaluation of the craniocervical junction, *Radiology* 1987; 164: 515
- Wang HH; Antonioli DA; Goldman H: comparative features of esophageal and gastric adenocarcinomas: recent changes in type and frequency, (ab), *Radiology* 1986; 161: 858
- Wang HZ See Bobman SA
- Wang HZ See Darwin RH
- Wang HZ; Riederer SJ; Lee JN: optimizing the precision in T1 relaxation estimation using limited flip angles, *Magn Res Med* 1987; 5: 399
- Wang J-Y See Ho PSP
- Wang KP See Kelly SJ
- Wang KP See Kuhlman JE
- Wang KP See Schwartz AR
- Wang KY See Shuman WP
- Wang KY; Kimmey MB; Nyberg DA; Mack LA; Haggitt RC; Shuman WP; Franklin DW; Silverstein FE: colorectal neoplasms: accuracy of US in demonstrating the depth of invasion, *Radiology* 1987; 165: 827
- Wang M-L; Hussey DH; Doornbos JF; et al: chemodectoma of the temporal bone: a comparison of surgical and radiotherapeutic results, *Int J Radiat Oncol Biol Phys* 1988; 14: 643
- Wang M-L; Hussey DH; Vigliotti APG; Benda J; Wen B-C; Doornbos JF; Anderson B: inoperable adenocarcinoma of endometrium: radiation therapy, *Radiology* 1987; 165: 561
- Wang S-C; Grattan-Smith A: thoracolumbar burst fractures: two "new" plain film signs with C.T. correlation, *Australas Radiol* 1987; 31: 404
- Wang SE See Resnik CS
- Wang X See Koral KF
- Wang Y; Best DE; Hoffman JG; Horii SC; Lehr JL; Lodwick GS; Morse RR; Murphy LL; Nelson OL; Perry J; Thompson BG; Zielonka JS: ACR-NEMA digital imaging and communications standards: minimum requirements, *Radiology* 1988; 166: 529
- Wani H See Hosoba M
- Wani S See Anand AK
- Wank SA; Doppman JL; Miller DL; et al: prospective study of the ability of computed axial tomography to localize gastrinomas in patients with Zollinger-Ellison syndrome, (ab), *Radiology* 1987; 165: 588
- Wannermacher M See Sommerkamp H
- Wapner RJ See Belfar HL
- Wapner RJ See Fleischer AC
- Wapner RJ See Hertzberg BS
- Wapner RJ See Kurtz AB
- Wara WM See Linstadt D
- Wara WM See Wallner KE
- Warabi T; Miyasaka K; Inoue K; et al: computed tomographic studies of the basis pedunculi in chronic hemiplegic patients: topographic correlation between cerebral lesion and midbrain shrinkage, *Neuroradiol* 1987; 29: 409
- Warburton MF See Dische S
- Ward AS; Reidy JF: case report: adventitial cystic disease of the popliteal artery, *Clin Radiol* 1987; 38: 649
- Ward BA See Miller DL
- Ward BG See Mather SJ
- Ward CS See Meanock CI
- Ward DM See Halasz NA
- Ward EF See Griend RV
- Ward GK See Mackillop WJ
- Ward JF: mechanisms of DNA repair and their potential modification for radiotherapy, *Int J Radiat Oncol Biol Phys* 1986; 12: 1027
- Ward JH See Bragg DG
- Ward JH: structure, function, and regulation of transferrin receptors, *Invest Radiol* 1987; 22: 74
- Ward M See Bellamy EA
- Ward MC; Roberts KR; Westwood JH; et al: effect of chelating agents on the distribution of monoclonal antibodies in mice, *J Nucl Med* 1986; 27: 1746
- Ward MP See Glazer HS
- Ward R See Newman HFV
- Ward WF; Kim YT; Molteni A; et al: radiation-induced pulmonary endothelial dysfunction in rats: modification by an inhibitor of angiotensin converting enzyme, *Int J Radiat Oncol Biol Phys* 1988; 15: 135

- Ward WF; Molteni A; Ts'ao C-H; et al: functional responses of the pulmonary endothelium to thoracic irradiation in rats: differential modification by D-penicillamine. *Int J Radiat Oncol Biol Phys* 1987; 13: 1505
- Warda A See Deter RL
- Warda A; Deter RL; Duncan G; et al: evaluation of fetal thigh circumference measurements: comparative ultrasound and anatomical study. *JCU* 1986; 14: 99
- Warde P; Rideout DF; Herman S; et al: computed tomography in advanced ovarian cancer: inter- and intraobserver reliability. *Invest Radiol* 1986; 21: 31
- Wardlaw JM; Best JJK: triple phase bone scanning of an intrasosseous ganglion: case report and discussion. *Clin Nucl Med* 1988; 13: 647
- Wardman AG See Knox AJ
- Wargotz ES; Norris HJ; Austin RM; et al: fibromatosis of the breast: a clinical and pathological study of 28 cases. (ab). *Radiology* 1987; 163: 588
- Warhol M See Down JD
- Warneke LA See Cartier MS
- Warner CH See Conti PS
- Warner JO See Clements BS
- Warner T; Jain SC; Mattar AG: gastric interposition in esophageal carcinoma as a cause of pseudomass on thyroid imaging. *Clin Nucl Med* 1986; 11: 798
- Warren B See Du Toit DF
- Warren CH See Schrodt JF
- Warren CPW See Bellan I
- Warren LP; Kadir S; Dunnick NR: percutaneous cholecystostomy: anatomic considerations. *Radiology* 1988; 168: 615
- Warren LP Jr; Djang WT; Moon RE; et al: neuroimaging of scuba diving injuries to the CNS. *AJNR* 1988; 9: 933
- Warren SR Jr; Tondreau RL: good old days with William J. Hogan. *Radiographics* 1986; 6: 515
- Warren WS See Edelman RR
- Warshawer D; Scott G; Gottschalk A: focal acute calculous cholecystitis. *AJR* 1987; 149: 505
- Warshawer D; Soldano L: visualization of a recanalized umbilical vein on Tc-99m disofenin cholecintigraphy. *Clin Nucl Med* 1988; 13: 621
- Warshawer DM; McCarthy SM; Street L; Bookbinder MJ; Glickman MG; Richter J; Hammers L; Taylor C; Rosenfield AT: detection of renal masses: sensitivities and specificities of excretory urography/linear tomography, US, and CT. *Radiology* 1988; 169: 363
- Warshawer DM; Sulzer JL: agenesis of the gallbladder: a rare cause for a false-positive hepatobiliary image. *Clin Nucl Med* 1988; 13: 468
- Warshawer DM; Taylor KJW; Bia MJ; Marks WH; Weltin G; Rigby CM; True LD; Lorber MI: unusual causes of increased vascular impedance in renal transplants: duplex Doppler evaluation. *Radiology* 1988; 169: 367
- Warshaw AL See Jacobson IM
- Warshaw AL See Rutledge PL
- Warshaw AL See Steiner E
- Warshaw AL See White EM
- Warshawski RS See Chan R
- Warshawski RS See Hayward RS
- Warvariv V See Linkowski GD
- Warwick D See Guyer PB
- Washburn-Bleck J See Russell EJ
- Wasilewski SA See Lo TCM
- Wasnich RD See Ross PD
- Wason S; Dalseg W; Billmire ME; et al: Play-Doh in the gastrointestinal tract: modify 'CHIP' to 'CHIPPED'. (ab). *Radiology* 1986; 160: 575
- Wass JL See Calkins AR
- Wass JL See Ehrman KO
- Wasserman J See Blomgren H
- Wasserman N See Castaneda F
- Wasserman NF See Haugen SG
- Wasserman NF See Kenney FJ
- Wasserman NF; Lapointe S; Eckmann DR; Rosel FR: assessment of prostatic: role of intravenous urography. *Radiology* 1987; 165: 831
- Wasserman SHS; Barzel US: osteoporosis: the state of the art in 1987: a review. *Semin Nucl Med* 1987; 17: 283
- Wasserman T See Bauer M
- Wasserman T See Fazekas J
- Wasserman T See Leibels S
- Wasserman T See Spanos WJ Jr
- Wasserman TH See Brady LW
- Wasserman TH See Coleman CN
- Wasserman TH See Honess DJ
- Wasserman TH See Rubin P
- Wasserman TH See Simpson JR
- Wasserman TH; Tubiana M: lymphoma: radiation therapy in lymphoma treatment. *Int J Radiat Oncol Biol Phys* 1988; 14: S187
- Wasserman TH; Twentyman P: use of a colorimetric microtiter (MTT) assay in determining the radiosensitivity of cells from murine solid tumors. *Int J Radiat Oncol Biol Phys* 1988; 15: 699
- Wassermann K See Krarup-Hansen A
- Wasserstein P See Chak LY
- Wasserstrum N See Rosavik IK
- Wastie ML See Elliott S
- Watal G See Bhushan B
- Watal G See Bushan B
- Watanabe A See Tocino IM
- Watanabe AS See Minkens DH
- Watanabe AS See Rensley KB
- Watanabe AT; Jeffrey RB Jr: CT diagnosis of traumatic rupture of the cisternal chyl. *JCAT* 1987; 11: 175
- Watanabe H See Murayama S
- Watanabe H See Ohnishi K
- Watanabe H: natural history of benign prostatic hypertrophy. *Ultrasound Med Biol* 1986; 12: 567
- Watanabe K See Honda H
- Watanabe K See Hoshi H
- Watanabe K See Kodama T
- Watanabe K See Koga A
- Watanabe K See Koga K
- Watanabe K See Kusumoto S
- Watanabe K See Ueda T
- Watanabe M See Ishigaki T
- Watanabe T; Trusler GA; Williams WG; et al: phrenic nerve paralysis after pediatric cardiac surgery. (ab). *Radiology* 1988; 168: 296
- Watanabe Y See Ebara M
- Watanabe Y; Endo K; Koizumi M; et al: semiquantitative in vitro binding assay of indium-111-labeled monoclonal antibodies to human cancer and normal tissues. *J Nucl Med* 1988; 29: 1436
- Watanabe Y; Nishiyama Y; Kanayama H; et al: congenital bronchiectasis due to cartilage deficiency: CT demonstration. *JCAT* 1987; 11: 701
- Watchie J; Coleman CN; Raffin TA; et al: minimal long-term cardiopulmonary dysfunction following treatment for Hodgkin's disease. *Int J Radiat Oncol Biol Phys* 1987; 13: 517
- Waterhouse G See Dean RH
- Waterman FM; Nerlinger RE; Moylan DJ III; et al: response of human tumor blood flow to local hyperthermia. *Int J Radiat Oncol Biol Phys* 1987; 13: 75
- Waterton JC See Checkley D
- Watkins EB; Findlay P; Gelmann E; et al: enhanced mucosal reactions in AIDS patients receiving oropharyngeal irradiation. *Int J Radiat Oncol Biol Phys* 1987; 13: 1403
- Watkins GE See Stark P
- Watkins RA See Rowley KA
- Watkins T See Quinn SF
- Watmough DJ See Chan KK
- Watrin J See Weill F
- Watson C See Goldstein SR
- Watson EA; Cameron D: re-evaluation of the nasopharyngeal soft tissue sign. *Australas Radiol* 1988; 32: 73
- Watson ER See Symmonds RP
- Watson ER See Thomas R
- Watson JV See Colthart RS
- Watson KM See Swanson DK
- Watson L See Curtis JA
- Watson M: major ruptures of the rotator cuff. (ab). *Radiology* 1986; 158: 571
- Watson NE See Bohrer SP
- Watson PG; Wild SR: rational approach to the investigation of the gallbladder. *Br J Radiol* 1986; 59: 471
- Watson PT See Hegge FN
- Watson RC See Heelan RT
- Watson RC See Smith J
- Watt AC; Ackerman LV; Shetty PC; et al: differentiation between benign and malignant disease of the breast using digital subtraction angiography of the breast. (ab). *Radiology* 1986; 158: 857
- Watt AC; Ackerman LV; Windham JP; Shetty PC; Burke MW; Flynn MJ; Grodinaky C; Fine G; Wilderman SJ: breast lesions: differential diagnosis using digital subtraction angiography. *Radiology* 1986; 159: 39
- Watt I See Bathurst N
- Watt I See Buirk R
- Watt I See Cobby MJD
- Watt I See Cronc M
- Watt I See Maurice HD
- Watt JH: double cortical line in the acetabular roof: a sign of disuse osteoporosis. *Radiology* 1988; 167: 873
- Watters GV See Paltiel HJ
- Watters LC; King TE; Schwarz M; et al: clinical, radiographic, and physiologic scoring system for the longitudinal assessment of patients with idiopathic pulmonary fibrosis. (ab). *Radiology* 1986; 159: 820
- Wattie WJ See Travis RC
- Watts FB See Naria LD
- Watts FB Jr See Vincour L
- Watts H See Nyberg DA
- Watts JC See Crooks LE
- Watts JC See Feinberg DA
- Watts ME; Dennis MF; Stratford MRL; et al: glutathione-reactive nitro compounds as radiosensitizers: mechanistic and therapeutic implications. *Int J Radiat Oncol Biol Phys* 1986; 12: 1135
- Watts ME; Dennis MF; Woodcock M: uptake and additivity of the radiosensitizing effects of Ro 03-8799 and SR-2508 in mammalian cells in vitro. *Br J Radiol* 1987; 60: 1233
- Waugh R See Hughes CF
- Waugh W See Tew M
- Wax MR See Suster B
- Waxman AD See Goldsmith MS
- Waxman AD See Ramanna L
- Waxman AD: nuclear medicine techniques in the evaluation of pulmonary neoplasia. *J Thorac Imag* 1987; 2: 50
- Waxman AD: role of nuclear medicine in pulmonary neoplastic processes. *Semin Nucl Med* 1986; 16: 285
- Way DE See Russ PD
- Way WC See Tegtmeyer CJ
- Wayne WS See Monajati A
- Wazen J See Silver AJ
- Waziri M See Sato Y
- Weatherby E III See Drane WE
- Weatherby E III See Leithiser RE Jr
- Weaver DS See Mazess B
- Weaver GR; Johnson JA; Sandler MP: inferior vena cava obstruction with hot quadrate lobe on technetium-99m MAA scintivenography. *Clin Nucl Med* 1986; 11: 731
- Weaver GR; Sandler MP: increased sensitivity of magnetic resonance imaging compared to radionuclide bone scintigraphy in the detection of lymphoma of the spine. *Clin Nucl Med* 1987; 12: 333
- Weaver KA See Turowski K
- Weaver KE See Goodenough DJ
- Webb GAM See Russell JGB
- Webb J See Podgorski MR
- Webb JAW See Brooks AP
- Webb JAW See Richards MA
- Webb J See Cole AJ
- Webb S See Ott RJ
- Webb S See Yanch JC
- Webb S; Flower MA; Ott RJ; et al: single photon emission computed tomographic imaging and volume estimation of the thyroid using fan-beam geometry. *Br J Radiol* 1986; 59: 951
- Webb S; Ott RJ; Flower MA; et al: three-dimensional display of data obtained by single photon emission computed tomography. *Br J Radiol* 1987; 60: 557
- Webb WJS See Clifton AG
- Webb WR See Aberle DR
- Webb WR See de Geer G
- Webb WR See Im J-G
- Webb WR See McMurdo KK
- Webb WR See Mayo JR
- Webb WR See Moore EH
- Webb WR See Müller NL
- Webb WR See Shea WJ Jr
- Webb WR See Stein MG
- Webb WR: magnetic resonance imaging of the hila and mediastinum. *Cardiovasc Intervent Radiol* 1986; 8: 306
- Webb WR: MR imaging in the evaluation and staging of lung cancer. *Semin US CT MR* 1988; 9: 53
- Webb WR: plain radiography and computed tomography in the staging of bronchogenic carcinoma: a practical approach. *J Thorac Imag* 1987; 2: 57
- Webb WR; Stein MG; Finkbeiner WE; Im J-G; Lynch D; Gamsu G: normal and diseased isolated lungs: high-resolution CT. *Radiology* 1988; 166: 81
- Webber CA See Orenstein M
- Webber RL See Zeichner SJ
- Webber RL; Jeffcoat MK; Harman JT; et al: MR demonstration of the nasal cycle in the beagle dog. *JCAT* 1987; 11: 869
- Webber WN See Sickles EA
- Weber A See Patriquin HB
- Weber AL See Chisari R
- Weber AL See Ott RF
- Weber AL; Mikulis DK: inflammatory disorders of the paranasal sinuses and their complications. *Radiol Clin North Am* 1987; 25: 615
- Weber DA See Waldman DL
- Weber DA: options in camera technology for the bone scan: role of SPECT. *Semin Nucl Med* 1988; 18: 78
- Weber H See Huber DJ
- Weber H See Lillies F
- Weber H See Requardt H
- Weber FM See Navarro DA
- Weber T See Luisiri A
- Weber WN See Sickles EA

- Webster DL; Hurwitz GA; DeVeber LL; et al: increased activity on immediate phase of bone imaging does not always indicate increased blood volume. *Clin Nucl Med* 1986; 11: 749
- Webster GD See Hertzberg BS
- Webster GD See Rose SC
- Wechsler J See Kozenberg I
- Wechsler JG See Swobodnik WL
- Wechsler R See Davis PS
- Wechsler R See Miller CL
- Wechsler R See Rao VM
- Wechsler R See Sagalov BR
- Wechsler R See Schilling JF
- Wechsler R See Spinn FW
- Wechsler RJ: CT of esophageal-pleural fistulae. *AJR* 1986; 147: 907
- Wechsler RJ; Munoz SJ; Needleman L; Kurtz AB; Miller CL; Yang S-L; Maddrey WC; Jarrell BE: periportal collar: a CT sign of liver transplant rejection. *Radiology* 1987; 165: 57
- Wechsler RJ; Steiner RM; Kinori I: monitoring the monitors: the radiology of thoracic catheters, wires, and tubes. *Semin Roentgenol* 1988; 23: 61
- Wechsler RJ; Wehbe MA; Rifkin MD; et al: computed tomography diagnosis of distal radioulnar subluxation. *Skeletal Radiol* 1987; 16: 1
- Wechsler-Jentzsch K; Witt JH; Fitz CR; McCullough DG; Harisiadis L: unresectable gliomas in children: tumor-volume response to radiation therapy. *Radiology* 1988; 169: 237
- Wechter DG See Abdel-Nabi HH
- Wechter DG See Teefer SA
- Wecksell A See Javorn BR
- Wedding K See Millward S
- Wedebye IM See Schmidt KG
- Weden VJ See Dinsmore RE
- Weden VJ See Edelman RR
- Weden VJ See Meuli RA
- Weden VJ See White EM
- Weden VJ; Chao YS: rapid three-dimensional angiography with undersampled MR imaging. *JCAT* 1987; 11: 24
- Weden VJ; Chao YS; Ackerman JL: dynamic range compression in MRI by means of a nonlinear gradient pulse. *Magn Res Med* 1988; 6: 287
- Weden VJ; Rosen BR; Buxton R; et al: projective MRI angiography and quantitative flow-volume densitometry. *Magn Res Med* 1986; 3: 226
- Weder W See von Schulthess GK
- Wee R See Marcovitz S
- Weend VW See Mirfakhraee M
- Weeks PM See Reinius WR
- Weems AM See Numaguchi Y
- Weems DH; Mendenhall WM; Parsons JT; et al: squamous cell carcinoma of the supraglottic larynx treated with surgery and/or radiation therapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 1483
- Weese-Mayer DE; Brouillette RT; Naidich TP; et al: magnetic resonance imaging and computerized tomography in central hyperventilation. (ab). *Radiology* 1988; 168: 591
- Weese-Mayer DE; Smith KM; Reddy JK; et al: computerized tomography and ultrasound in the diagnosis of cerebro-hepato-renal syndrome of Zellweger. *Pediatr Radiol* 1987; 17: 170
- Weetman RM See Cohen MD
- Wegener M; Borsch G; Schneider J; et al: gallbladder wall thickening: frequent finding in various nonbiliary disorders—prospective ultrasonographic study. *JCU* 1987; 15: 307
- Wehbe MA See Wechsler RJ
- Wehle MJ; Grabstald H: contraindications to needle aspiration of a solid renal mass: tumor dissemination by renal needle aspiration. (ab). *Radiology* 1987; 162: 587
- Wehrli FW See Breger RK
- Wehrli FW See Gullberg GT
- Wehrli FW See Kneeland JB
- Wehrli FW See Mafee MF
- Wehrli FW See Perkins TG
- Wehrli FW See Frost JEH
- Wehrli FW; Kanal E: orbital imaging: factors determining magnetic resonance imaging appearance. *Radiol Clin North Am* 1987; 25: 419
- Wehrli FW; Perkins TG; Shimakawa A; et al: chemical shift-induced amplitude modulations in images obtained with gradient refocusing. *Magn Res Med* 1987; 5: 157
- Wehrli FW; Shimakawa A; Gullberg GT; MacFall JR: time-of-flight MR flow imaging: selective saturation recovery with gradient refocusing. *Radiology* 1986; 160: 781
- Wei JP See Begley MG
- Wei T-C See Shue J-C
- Weibel ER See Bachofen H
- Weibull H See Bergqvist D
- Weibull H; Bergqvist D; Jonsson K; et al: complications after percutaneous transluminal angioplasty in the iliac, femoral, and popliteal arteries. (ab). *Radiology* 1987; 165: 885
- Weibull H; Cederholm C; Almén T; et al: does cerebral angiography of cadaveric kidney donors interfere with graft function? *Acta Radiol* 1987; 28: 451
- Weich YL See Kleinhaus U
- Weichselbaum RR: radioresistant and repair proficient cells may determine radioresistance in human tumors. *Int J Radiat Oncol Biol Phys* 1986; 12: 637
- Weichselbaum RR; Beckett M: maximum recovery potential of human tumor cells may predict clinical outcome in radiotherapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 709
- Weichselbaum RR; Beckett MA; Dahlberg W; et al: heterogeneity of radiation response of a parent human epidermoid carcinoma cell line and four clones. *Int J Radiat Oncol Biol Phys* 1988; 14: 907
- Weichselbaum RR; Beckett MA; Schwartz JL; et al: radioresistant tumor cells are present in head and neck carcinomas that recur after radiotherapy. *Int J Radiat Oncol Biol Phys* 1988; 15: 575
- Weider DJ See Chakraborty DW
- Weidner N See Stomper PC
- Weidner N; Geisinger KR; Sterling RT; et al: benign lymphoepithelial cysts of the parotid gland: histologic, cytologic and ultrastructural study. (ab). *Radiology* 1986; 160: 574
- Weidner WA See Neagle SR
- Weigent DA See Stanton GJ
- Weigert J See Grumbach K
- Weil R III See Rose SC
- Weil R III See Shapiro JJ
- Weiland AJ See Widlus DM
- Weiland DJ See Rijke AM
- Weiland FL See Conte FA
- Weiland FL See Genz MB
- Weiland FL See Sawar NW
- Weiland LH See Teefer SA
- Weiler C See Glover D
- Weill F See Didier D
- Weill F; Rohmer P; Didier D; et al: ultrasound of the traumatized spleen: left butterfly sign in lesions masked by echogenic blood clots. *Gastrointest Radiol* 1988; 13: 169
- Weill F; Watrin J; Rohmer P; et al: ultrasound and CT of peritoneal recesses and ligaments: pictorial essay. *Ultrasound Med Biol* 1986; 12: 977
- Weill FS; Costaz R; Racle A; et al: ultrasound study of adenopathies within the hepatoduodenal ligament: "rosebud" pattern. *Gastrointest Radiol* 1986; 11: 142
- Wein AJ See Bezi M
- Wein AJ See Phillips ME
- Wein AJ See Shapiro MJ
- Wein AJ See Straus KL
- Weinberg B See Diakoumakis EE
- Weinberg B; Diakoumakis EE; Kass EG; et al: air bronchogram: sonographic demonstration. *AJR* 1986; 147: 593
- Weinberg B; Gonzalez R; Diakoumakis EE; et al: unusual case of intracerebral hematoma caused by an undriven fragment of bone: ultrasound evaluation with CT correlation. *JCU* 1988; 16: 52
- Weinberg IN; Huang SC; Hoffman EJ; et al: validation of PET-acquired input functions for cardiac studies. *J Nucl Med* 1988; 29: 241
- Weinberg MJ; Lapointe TA; Rauth AM: growth delay in a murine squamous cell tumor after local radiation and concurrent infusional 5-fluorouracil treatment. *Int J Radiat Oncol Biol Phys* 1986; 12: 1449
- Weinberg MJ; Rauth AM: 5-fluorouracil infusions and fractionated doses of radiation: studies with a murine squamous cell carcinoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 1691
- Weinberg PE See Kim KS
- Weinberg PE See Woodward KG
- Weinberger E; Blumhagen JD; Odell JM: gallbladder contraction in biliary atresia. *AJR* 1987; 149: 401
- Weinberger J; Marks SJ; Gaul JJ; et al: atherosclerotic plaque at the carotid artery bifurcation: correlation of ultrasonographic imaging with morphology. *J Ultrasound Med* 1987; 6: 363
- Weinblatt ME; Trentham DE; Fraser PA; et al: long-term prospective trial of low-dose methotrexate in rheumatoid arthritis. (ab). *Radiology* 1988; 169: 886
- Weinbrek K; Adam A; Blumgart LH; et al: apparent extra-hepatic invasion by metastatic tumours in the liver. *Clin Radiol* 1987; 38: 357
- Weindling SM; Press GA; Hesselink JR: MR characteristics of a primary melanoma of the quadrigeminal plate. *AJNR* 1988; 9: 214
- Weindling SM; Press GA; Hesselink JR: MR characteristics of a primary melanoma of the quadrigeminal plate. *AJNR* 1988; 9: 214
- Weiner CP; Williamson RA; Bonsib SM: sonographic diagnosis of cloverleaf skull and thanatophoric dysplasia in the second trimester. *JCU* 1986; 14: 463
- Weiner DS See Hausen DC
- Weiner E See Shalev E
- Weiner LM See Gatenby RA
- Weiner M See Kagan AR
- Weiner MW See Karcmar GS
- Weiner MW See Matson GB
- Weiner MW: promise of magnetic resonance spectroscopy for medical diagnosis. *Invest Radiol* 1988; 23: 253
- Weiner RS; Moses HW; Richeson JF; et al: hospital and long-term survival of patients with acute pulmonary edema associated with coronary artery disease. (ab). *Radiology* 1988; 166: 912
- Weiner S See Kalchbrenner M
- Weiner S See Skiptunas SM
- Weiner SD See Hausen DC
- Weiner SN See Morehouse HT
- Weinerth JL See Baker ME
- Weinerth JL See Goldwasser B
- Weinerth JL See Illescas FF
- Weinerth JL See Sussman SK
- Weingarten KL; Zimmerman RD: CT of intracranial lymphoma. *Semin US CT MR* 1986; 7: 9
- Weingarten M See Kotval PS
- Weingarten M See Tash RR
- Weinger J See Azouy R
- Weinger J See Iaina A
- Weinlader JR See Pendergrass HP
- Weinreb JC See Cohen JM
- Weinreb JC See Erdman WA
- Weinreb JC; Arger PH; Coleman BG; et al: cystic renal mass evaluation: real-time versus static imaging. *JCU* 1986; 14: 29
- Weinreb JC; Brown CE; Lowe TW; Cohen JM; Erdman WA: pelvic masses in pregnant patients: MR and US imaging. *Radiology* 1986; 159: 717
- Weinreb JC; Cohen JM; Armstrong E; et al: imaging the pediatric liver: MRI and CT. *AJR* 1986; 147: 785
- Weinreb JC; Mootz A; Cohen JM: MRI evaluation of mediastinal and thoracic inlet venous obstruction. *AJR* 1986; 146: 679
- Weinschenker BG; Ebers GC: natural history of multiple sclerosis. (ab). *Radiology* 1988; 167: 295
- Weinstein AS See Nelson DF
- Weinstein AS See Schneider HJ
- Weinstein BJ See Campbell WE Jr
- Weinstein EM See Markowitz RI
- Weinstein GS; Zabetakis PM; Clavel A; et al: renin-angiotensin system is not responsible for hypertension following coronary artery bypass grafting. (ab). *Radiology* 1987; 164: 885
- Weinstein H See Brizel DM
- Weinstein JB; Heiken JP; Lee JKT; DiSantis DJ; Balfe DM; Weyman PJ; Peterson RR: high resolution CT of the porta hepatis and hepatoduodenal ligament. *Radiographics* 1986; 6: 55
- Weinstein JK See Burke DR
- Weinstein JK See Cope C
- Weinstein JM See Graves VB
- Weinstein JN See El-Khoury GY
- Weinstein JN See Keenan AM
- Weinstein M See Larson D
- Weinstein M See Mota HC
- Weinstein MA See Lesser RP
- Weinstein MA See Runge VM
- Weinstein MA See Smith AS
- Weinstein MM: persistent loop sign in neonatal necrotizing enterocolitis: new cause. *Pediatr Radiol* 1986; 16: 71
- Weinstein P See Brant-Zawadzki M
- Weinstein PR See Chang L-H
- Weinstein PR See Gooding GAW
- Weinstein PR See Litt L
- Weinstein PR See McNamara MT
- Weinstein PR See Richards TL
- Weinstein R See Bilran J
- Weintraub WS See Klein LW
- Weis JW; Winter MW; Phyllyk RL: peripheral T-cell lymphomas: histologic, immunohistologic, and clinical characterization. (ab). *Radiology* 1986; 161: 288
- Weis LD See Beltran J
- Weisberg I See Gerard G
- Weisberg L: subdural empyema: clinical and computed tomographic correlations. (ab). *Radiology* 1986; 160: 861
- Weisberg LA See Dunn DW
- Weisberg LA See Garcia CA
- Weisberg LA: analysis of the clinical and computed tomographic findings in isodense subdural hematoma. *Comput Radiol* 1986; 4: 245
- Weisberg LA: computed tomographic findings in intracranial metastases due to breast carcinoma. *Comput Radiol* 1986; 10: 297
- Weisberg LA: cranial computed tomographic findings in patients with neurologic manifestations of systemic lupus erythematosus. *Comput Radiol* 1986; 10: 63
- Weisberg LA: hemorrhagic primary intracranial neoplasms: clinical-computed tomographic correlations. *Comput Radiol* 1986; 10: 131
- Weisberg LA: posterior fossa pilocytic astrocytoma: computed tomographic findings. *Comput Radiol* 1986; 10: 141

- Weisberg LA: significance of the fluid-blood interface in intracranial hematomas in anticoagulated patients, *Comput Radiol* 1987; 11: 175
- Weisberg LA; Garcia C; Stazio A: computerized tomographic diagnostic aspects of acquired immunodeficiency syndrome, *Comput Med Imag Graph* 1988; 12: 225
- Weisberg LA; Gerard G; Stazio A: computerized tomographic findings and differential diagnostic considerations in subcortical arteriosclerotic encephalopathy (Binswanger's disease), *Comput Med Imag Graph* 1988; 12: 249
- Weisberg LA; Wall M: alexia without agraphia: clinical-computed tomographic correlations, *Neuroradiol* 1987; 29: 283
- Weisbrod GL: left upper lobe torsion following left lingulectomy, *J Canad Assoc Radiol* 1987; 38: 296
- Weisbrod GL; Cunningham I; Tao LC; et al: small cell anaplastic carcinoma: cytological-histological correlations from percutaneous fine-needle aspiration biopsy, *J Canad Assoc Radiol* 1987; 38: 204
- Weisbrod GL See Chen J
- Weisbrod GL See Huang D
- Weisbrod GL See Poon PY
- Weisbrod GL; Chamberlain DW; Tao LC: pulmonary blastoma, report of three cases and a review of the literature, *J Canad Assoc Radiol* 1988; 39: 130
- Weisbrod GL; Herman SJ; Tao L-C: preliminary experience with a dual cutting edge needle in thoracic percutaneous fine-needle aspiration biopsy, *Radiology* 1987; 163: 75
- Weisbrod GL; Stoneman HR; Tao LC: diagnosis of diffuse malignant infiltration of lung (lymphangitic carcinomatosis) by percutaneous fine-needle aspiration biopsy, (ab), *Radiology* 1986; 159: 569
- Weisdorf DJ: bone marrow transplantation for acute leukemia, *Invest Radiol* 1987; 22: 839
- Weisgrau RA See Dominguez R
- Weisman ID; Ney AL; Andrievic JH; et al: unusual transplant renal angioplasty complication: case report, *Cardiovasc Intervent Radiol* 1988; 11: 97
- Weisman IM See Moreno AJ
- Weisman M See Bjorkengren AG
- Weisman MH See Jacob JR
- Weisman MH See Kessnick D
- Weiss AA See Keller MS
- Weiss AT See Koren G
- Weiss GM See Eliasi EH
- Weiss HD See Gmelin E
- Weiss JF See Kumar KS
- Weiss JL See Clausen M
- Weiss KH See Holz M
- Weiss KL See Beltran J
- Weiss KL See Morrison MC
- Weiss KL; Beltran J; Labbers LM: high-field MR surface-coil imaging of the hand and wrist. part II. pathologic correlations and clinical relevance, *Radiology* 1986; 160: 147
- Weiss KL; Beltran J; Shamam OM; Stilla RF; Levy M: high-field MR surface-coil imaging of the hand and wrist. part I. normal anatomy, *Radiology* 1986; 160: 143
- Weiss KL; Stiving SO; Herderick EE; et al: hybrid color MR imaging display, *AJR* 1987; 149: 825
- Weiss LD See Beltran J
- Weiss LM See Medeiros LJ
- Weiss LM See Picker LJ
- Weiss LM See Yousem SA
- Weiss MA See Schneider HJ
- Weiss P See Fishman EK
- Weiss PE: diagnostic interventions in nuclear medicine, *Radiology* 1986; 158: 124
- Weiss PE: exclusion of pneumothorax by radionuclide lung scan, *Clin Nucl Med* 1986; 11: 303
- Weiss PJ See Robertson DD
- Weiss RB See Doll DC
- Weiss RM See Garcia CJ
- Weiss RM See Kier R
- Weiss RM; Carter AR; Rosenfield AT: high resolution real-time ultrasonography in the localization of the undescended testis, (ab), *Radiology* 1986; 161: 575
- Weiss SH See Pastakia B
- Weiss SL See Steiner E
- Weiss SL: computed tomography of the gastrointestinal tract including the peritoneal cavity and mesentery, *Radiology* 1987; 163: 32
- Weiss SL: computed tomography of the pelvis, *Radiology* 1986; 159: 114
- Weiss SL: dynamic computed tomography: basic principles and clinical applications, *Radiology* 1986; 159: 378
- Weiss SW See Goldman SM
- Weiss T; Treisch J; Kazner E; et al: CT of the postoperative lumbar spine: value of intravenous contrast, *Neuroradiol* 1986; 28: 241
- Weisberg JB See Haffty BG
- Weisberg JB See Harrison LB
- Weissbuch SS: explanation and implications of MR signal changes within pituitary adenomas after bromocriptine therapy, *AJNR* 1986; 7: 214
- Weissel M; Kainz H; Hofer R: changes in biochemical parameters during complete thyroid hormone deficiency of short duration in athyreotic patients, *J Nucl Med* 1986; 27: 1528
- Weissleder R; Weissleder R: lymphedema: evaluation of qualitative and quantitative lymphoscintigraphy in 238 patients, *Radiology* 1988; 167: 729
- Weissleder R See Elizondo G
- Weissleder R See Hahn FF
- Weissleder R See Stark DD
- Weissleder R See Tsang Y-M
- Weissleder R See Weissleder H
- Weissleder R; Elizondo G; Stark DD: sonographic diagnosis of subclavian and internal jugular vein thrombosis, *J Ultrasound Med* 1987; 6: 577
- Weissleder R; Hahn FF; Stark DD; et al: MR imaging of splenic metastases: ferrite-enhanced detection in rats, *AJR* 1987; 149: 723
- Weissleder R; Hahn FF; Stark DD; Elizondo G; Saini S; Todd LE; Wittenberg J; Ferrucci JT: superparamagnetic iron oxide: enhanced detection of focal splenic tumors with MR imaging, *Radiology* 1988; 169: 399
- Weissleder R; Saini S; Stark DD; et al: dual-contrast MR imaging of liver cancer in rats, *AJR* 1988; 150: 561
- Weissleder R; Saini S; Stark DD; et al: pyogenic liver abscess: contrast-enhanced MR imaging in rats, *AJR* 1988; 150: 115
- Weissleder R; Stark DD; Compton CC; et al: cholecystitis: diagnosis by MR imaging, *Magn Res Imag* 1988; 6: 345
- Weissleder R; Stark DD; Compton CC; et al: ferrite-enhanced MR imaging of hepatic lymphoma: an experimental study in rats, *AJR* 1987; 149: 1161
- Weissleder R; Stark DD; Compton CC; et al: ferrite-enhanced MR imaging of splenic lymphoma: ferrite-enhanced MR imaging in rats, *Radiology* 1988; 166: 423
- Weissman BN See Baum S
- Weissman BN See Tumeah SS
- Weissman BN: spondyloarthropathies, *Radiol Clin North Am* 1987; 25: 1235
- Weissman BNW; Ewald FC: prosthetic replacement of the elbow, *Semin Roentgenol* 1986; 21: 66
- Weissman J; Gilyanani VL; Landreneau MD; et al: postbiopsy arterial pseudoaneurysm in a renal allograft: detection by duplex sonography, *J Ultrasound Med* 1988; 7: 515
- Weissmann HS See Zuckler LS
- Weitz I See Mink JH
- Weitzner I Jr See Tash RR
- Weix J See Bilbrey GL
- Weizman Z See Bar-Ziv J
- Wejksky B; Wiegand M: correlation between radiologic and clinical findings in Charnley total hip replacement: a 10-year follow-up study, *Acta Radiol* 1987; 28: 607
- Welch K See Hermann-Schulman M
- Welch MJ See Brodack JW
- Welch MJ See Kilbourn MR
- Welch MJ See Mintan MA
- Weldner B-M; Persson P-H; Ivarsson SA: prenatal diagnosis of dwarfism by ultrasound screening, (ab), *Radiology* 1986; 160: 288
- Wellman HN See Boyko OB
- Wellman HN See Koch KJ
- Wellman HN: pulmonary thromboembolism: current status report on the role of nuclear medicine, *Semin Nucl Med* 1986; 16: 236
- Wellman HN; Schauwecker DS; Capello WN: evaluation of metallic osseous implants with nuclear medicine, *Semin Nucl Med* 1988; 18: 126
- Wells AN See Mackenzie IS
- Wells FC See Kay PH
- Wells GA: pulmonary edema and other acute causes of a butterfly pattern in the postoperative chest, *Semin Roentgenol* 1988; 23: 4
- Wells I See Dubbins PA
- Wells IP See Cook PG
- Wells IP; Bhatt RCV; Flanagan M: kaolinosis: radiological review, (ab), *Radiology* 1986; 159: 570
- Wells PNT: prudent use of diagnostic ultrasound, *Ultrasound Med Biol* 1987; 13: 391
- Wells RG See Chusid MJ
- Wells RG See Gregg DC
- Wells RG See Schroeder BA
- Wells RG See Sty JR
- Wells RG; Litwin SB; Sty JR: radionuclide cardioangiographic demonstration of a coronary artery fistula, *Pediatr Radiol* 1986; 16: 61
- Wells RG; Miller JH; Sty JR: scintigraphic patterns in osteoid osteoma and spondylolysis, *Clin Nucl Med* 1987; 12: 39
- Wells RG; Ruskin JA; Sty JR: lymphoscintigraphy: lower extremity lymphangioma, *Clin Nucl Med* 1986; 11: 523
- Wells RG; Ruskin JA; Sty JR: myocardial imaging: Coxsackie myocarditis, *Clin Nucl Med* 1986; 11: 663
- Wells RG; Seidel FG; Sty JR; et al: intrathecal administration of iopamidol in children: clinical and diagnostic results, *Pediatr Radiol* 1988; 18: 190
- Wells RG; Sty JR: extraosseous bone-tracer uptake: plasma cell granuloma, *Clin Nucl Med* 1986; 11: 527
- Wells RG; Sty JR; Duck SC: technetium 99m pertechnetate thyroid scintigraphy: congenital hypothyroid screening, *Pediatr Radiol* 1986; 16: 368
- Wells RG; Sty JR; Gregg DC; et al: comparative imaging: spinal vascular malformation, *Clin Nucl Med* 1988; 13: 533
- Wells RG; Sty JR; Hodgson NB: suprarenal abscess in the neonate: technetium-99m glucoheptonate imaging, *Clin Nucl Med* 1986; 11: 32
- Wells RG; Sty JR; Stanshak RJ: CT findings in noma, *JCAT* 1988; 12: 711
- Wells T See Onik G
- Wells TH Jr See Onik G
- Wells WT See Miller DL
- Welsh CW See Hill RW
- Welsh CL See Sanborn TA
- Welshman R See Davies RP
- Welt S See Cohen KH
- Weltin GG See Keller MS
- Weltin GG See Rigby CM
- Weltin GG See Taylor KJW
- Weltin GG See Warshaw DM
- Wen B-C See Armitage JO
- Wen B-C See Wang M-L
- Wenkel ML; Sitrin RG: unilateral lung hyperlucency after mediastinal irradiation, (ab), *Radiology* 1988; 168: 884
- Wendland MF See Pflugfelder FW
- Wendland MF; White RD; Derugin N; et al: characterization of high-energy phosphate compounds during reperfusion of the irreversibly injured myocardium using ³¹P MRS, *Magn Res Med* 1988; 7: 172
- Wendt RE See Rokeby R
- Wendt RE III; Rokeby R; Vick GW III; et al: electrocardiographic gating and monitoring in NMR imaging, *Magn Res Imag* 1988; 6: 89
- Wendt RE III; Wilcott MR III; Nitz W; Murphy PH; Bryan RN: MR imaging of susceptibility-induced magnetic field inhomogeneities, *Radiology* 1988; 168: 837
- Wendt TG; Chucholowski M; Hartenstein R; et al: sequential chemo-radiotherapy in locally advanced squamous cell carcinoma of the head and neck, *Int J Radiat Oncol Biol Phys* 1986; 12: 397
- Wener I See Kumar AJ
- Wener I See Levy LM
- Wener I See Pastakia B
- Wener I See Schellinger D
- Wener I See Smith AS
- Wengrover S See Patel NP
- Wenink AC See Guit GL
- Wenk R See Matwiyoff NA
- Wenker JC See Baker MK
- Wenker JC See Becker GJ
- Wenker JC; Becker GJ; Reilly MK; et al: malignant myxoid emboli in a patient with a primary tumor of the aorta, *Invest Radiol* 1986; 21: 928
- Wentworth W See Chintapalli K
- Wenz W; Sommerkamp H; Dinkel E: leiomyoma of the bladder, *Urol Radiol* 1986; 8: 114
- Wenzel-Hora H See Hoffmann B
- Wepfer JF See Lye DJ
- Wepfer JF See Retrum RK
- Wepfmann B See Kim RY
- Werk W See Haase A
- Wermeski K See Rasnitska G
- Wernecke K; Galanski M; Peters FE; et al: pneumothorax: evaluation by ultrasound—preliminary results, *J Thorac Imag* 1987; 2: 76
- Wernecke K; Peters FE; Galanski M: mediastinal tumors: evaluation with supranatal sonography, *Radiology* 1986; 159: 405
- Wernecke K; Peters FE; Galanski M: pancreatic metastases: US evaluation, *Radiology* 1986; 160: 399
- Wernecke K; Peters FE; Kruger K-G: ultrasonographic patterns of focal hepatic and splenic lesions in Hodgkin's and non-Hodgkin's lymphoma, *Br J Radiol* 1987; 60: 655
- Wernecke K; Pötter R; Peters FE; et al: parasternal mediastinal sonography: sensitivity in the detection of anterior mediastinal and subcarinal tumors, *AJR* 1988; 150: 1021
- Werner A See Barak F
- Werner A; Isdale JM: radiation hazards in a paediatric intensive care unit, *Pediatr Radiol* 1986; 16: 275
- Werner JL See Turner AF
- Wernert N; Luchtrath H; Seeliger H; et al: papillary carcinoma of the prostate, location, morphology, and immunohistochemistry: the histogenesis and utility of so-called endometrioid carcinoma, (ab), *Radiology* 1987; 165: 883

- Wertheim SB See Yeager BA
Wertman DE See Moore AV Jr
Wesbey GE See Bertino RE
Wesbey GE See Lallemand D
Wesbey GE See Porter BA
Wesbey GE See Shuman WP
Wesbey GE; Higgins CB; Hale JD; et al: magnetic resonance applications in atherosclerotic vascular disease. *Cardiovasc Intervent Radiol* 1986; 8: 342
Wesenberg RL See Mueller DL
Wesenberg RL; Amundson GM; Mueller DL; et al: ultra-low-dose routine pediatric radiography utilizing a rare-earth filter. *J Canad Assoc Radiol* 1987; 38: 158
Wesler Z; Loewinger E; Loewenthal E; et al: megavoltage radiotherapy using water bolus in the treatment of Kaposi's sarcoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 2029
Wesley JR See Blane CE
Wesolowski CA See Conrad GR
Wespes E See Delcour C
Wess MM See Gattley SJ
Wessels BW; Griffith MH: miniature thermoluminescent dosimeter absorbed dose measurements in tumor phantom models. *J Nucl Med* 1986; 27: 1308
Wesson MF See McCormick B
West CML; Keng PC; Sutherland FM: growth phase related variation in the radiation sensitivity of human colon adenocarcinoma cells. *Int J Radiat Oncol Biol Phys* 1988; 14: 1213
West L; McIntosh K; Gendler S; et al: effects of intravenously infused Fluosol-DA 20% in rats. *Int J Radiat Oncol Biol Phys* 1986; 12: 1319
West SR See Vasey CG
Westbrook C; Glaholm J; Barrett A: vomiting associated with whole body irradiation. *Clin Radiol* 1987; 38: 263
Westbrook KC See Williamson MR
Westby M; Sandhu J; Jahren R; et al: ovarian radiation dose during dynamic cystourethrography using videorecording and photofluorography. *Acta Radiol* 1986; 27: 55
Westcott J See Martini N
Westcott JL See Davis SD
Westcott JL: percutaneous transthoracic needle biopsy. *Radiology* 1988; 169: 593
Westcott JL: transthoracic needle biopsy of the hilum and mediastinum. *J Thorac Imag* 1987; 2: 41
Westcott JL; Cole SR: traction bronchiectasis in end-stage pulmonary fibrosis. *Radiology* 1986; 161: 665
Westcott JL; Panicek DM; Levinsohn EM; et al: chronic pneumonia in a child with primary ciliary dyskinesia. *AJR* 1988; 150: 1123
Wester K; Kjartansson O; Bakke SJ: CT guided stereotaxy based on scout view imaging. *Neuroradiol* 1987; 29: 287
Westerman BR See Fajardo LL
Westerman BR: licensing criteria for nuclear medicine. *Semin Nucl Med* 1986; 16: 171
Westerman BR: transportation issues in nuclear medicine and the release of radioactivity into the environment. *Semin Nucl Med* 1986; 16: 191
Westermann CJ See Laros CD
Westermann JJ See Piers DB
Westmark P See Larsson SG
Westesson P-L See Katzberg RW
Westesson P-L; Bronstein SL: temporomandibular joint: comparison of single- and double-contrast arthrography. *Radiology* 1987; 164: 65
Westesson P-L; Bronstein SL; Liedberg J: temporomandibular joint: correlation between single-contrast videarthrography and postmortem morphology. *Radiology* 1986; 160: 767
Westesson P-L; Katzberg RW; Tallents RH; et al: CT and MR of the temporomandibular joint: comparison with autopsy specimens. *AJR* 1987; 148: 1165
Westesson P-L; Katzberg RW; Tallents RH; Sanchez-Woodworth RE; Svensson SA; Espeland MA: temporomandibular joint: comparison of MR images with cryosectional anatomy. *Radiology* 1987; 164: 59
Westgate C See Mulcahy D
Westgate SJ See Suit HD
Westgren M; Beall M; Divon M; et al: fetal femur length/abdominal circumference ratio in preterm labor patients with and without successful tocolytic therapy. *J Ultrasound Med* 1986; 5: 243
West-Jordan JA; Smith A; Myint S; et al: ³¹P NMR studies on recovery from hypoxia of human tumor cells. *Magn Res Med* 1987; 5: 182
Westley KA; Straub WH; Keyes JW Jr: cholestylinographic detection of intraperitoneal bile leakage from a perforated duodenal ulcer. *Clin Nucl Med* 1987; 12: 781
Westman NG; Marklund SL: inability of polyethylene glycol substituted copper- and zinc-containing superoxide dismutase to protect mice against radiation lethality. *Acta Oncol* 1987; 26: 483
Westwood JH See Ward MC
Wetli CV See Beerman R
Wetstein L See Rehr RB
Wetzel LH See Hricak H
Wetzel LH See Levine E
Wetzel LH; Levine E; Murphy MD: comparison of MR imaging and CT in the evaluation of musculoskeletal masses. *Radiographics* 1987; 7: 851
Wetzner S See Bettmann MA
Wetzner SM See Bluth EI
Wetzner SM See Munn CS
Wexler JA See Aronchick JM
Wexler JA See Grumbach K
Wexler L See Burbank F
Wexler S; Fuchs C; Golan A; et al: tolerance intervals for standards in ultrasound measurements: determination of BPD standards. *JCU* 1986; 14: 243
Weyman FJ See Balfe DM
Weyman FJ See Marx MV
Weyman FJ See Mueller FR
Weyman FJ See Picas D
Weyman FJ See Reiman TH
Weyman FJ See Unger EC
Weyman FJ See Weinstein JB
Whalen J See Henschke C
Whalen JF See Aub YH
Whalen JF See Kneeland JB
Whalen JF See Markiz JA
Whalen JF See Rubenstein WA
Whalen JF See Teixidor HS
Whalen JF See Veluvolu P
Whaley DH; Hoffman AD: general case of the day. annual meeting. 1985. *Radiographics* 1987; 7: 183
Wharam MD See Forman JD
Wharam MD Jr See Magid D
Wharton JT See Adelson MD
Wharton JT See Dancuart F
Wharton JT See Kong JS
Wharton JT See Seider MJ
Wheat LJ; Allen SD; Henry M; et al: diabetic foot infections: bacteriologic analysis. (ab). *Radiology* 1987; 163: 293
Wheatley CL See Evans RG
Wheatley T See Clark JDA
Wheeler CB See Herskowitz J
Wheeler DE See Schultz SM
Wheeler JS Jr See Calkin DJ
Wheeler K See Lyon AJ
Wheeler PS See Mezziane MA
Wheeler PS See Scott WW Jr
Wheeler PS See Yousem D
Wheeler PS: complications due to inadvertent tracheobronchial placement of feeding tubes: reply. *Radiology* 1988; 167: 877
Wheeler PS: feeding tubes that pierce the lung: a case study in risk prevention and quality assurance. *Radiology* 1987; 165: 861
Whelan CA See Zinn WL
Whelan G See Russell COH
Whelan HT See Powers TA
Whelchel JD See Steinberg HV
Wheldon TE See O'Donoghue JA
Whisnant JF See Miller GM
Whitaker JB; Latak TJ; Venes JL: spontaneous thrombosis of a vein of Galen aneurysm. *AJNR* 1987; 8: 1134
Whitaker KB See Coleman RE
White AA See Clark CR
White CW See Wilson RF
White DA See Cooper JAD Jr
White DA See Yeh SDJ
White DL See Engelstad BL
White DR; Constantinou C; Martin RJ: foamed epoxy resin-based lung substitutes. *Br J Radiol* 1986; 59: 787
White DR; Woodard HQ; Hammond SM: average soft-tissue and bone models for use in radiation dosimetry. *Br J Radiol* 1987; 60: 907
White EJ See White RI Jr
White EM See Butch RJ
White EM See Choyke PL
White EM See Grant EG
White EM; Edelman RR; Wedeen VJ; Brady TJ: intravascular signal in MR imaging: use of phase display for differentiation of blood-flow signal from intraluminal disease. *Radiology* 1986; 161: 245
White EM; Simeone JF; Mueller PR; Grant EG; Choyke PL; Zeman RK: focal periportal sparing in hepatic fatty infiltration: cause of hepatic pseudomass on US. *Radiology* 1987; 162: 57
White EM; Wittenberg J; Mueller PR; Simeone JF; Butch RJ; Warshaw AL; Neff CC; Nardi GL; Ferrucci JT Jr: pancreatic necrosis: CT manifestations. *Radiology* 1986; 158: 343
White FE See Fitzjohn TP
White FE See Sheppard FW
White G See Kopans DB
White G See Oestmann JW
White G See Swann CA
White GH; White RA; Kopchok GE; et al: angioscopic thromboembolism: preliminary observations with a recent technique. (ab). *Radiology* 1988; 169: 292
White GK See Rodger A
White GM See Stuck KJ
White M See Reinig JW
White MA; Taylor JS; Murugasu R: renal oncocytoma: benign tumour on the increase. (ab). *Radiology* 1986; 159: 571
White MM; Bartram CI: technique and evaluation of the double contrast ileostomy enema. *Clin Radiol* 1987; 38: 621
White RA See White GH
White RD See Kersting-Sommerhoff BA
White RD See Pflugfelder FW
White RD See Sechtem U
White RD See Wendland MF
White RD; Caputo GR; Mark AS; Modin GW; Higgins CB: coronary artery bypass graft patency: noninvasive evaluation with MR imaging. *Radiology* 1987; 164: 681
White RD; Cassidy MM; Chetlin MD; et al: segmental evaluation of left ventricular wall motion after myocardial infarction: magnetic resonance imaging versus echocardiography. (ab). *Radiology* 1988; 169: 883
White RD; Dooms GC; Higgins CB: advances in imaging thoracic aortic disease. *Invest Radiol* 1986; 21: 761
White RD; Pflugfelder FW; Lipton MJ; et al: coronary artery bypass grafts: evaluation of patency with cine MR imaging. *AJR* 1988; 150: 1271
White RD; Ulliyot DJ; Higgins CB: MR imaging of the aorta after surgery for aortic dissection. *AJR* 1988; 150: 87
White RD; Winkler ML; Higgins CB: MR imaging of pulmonary arterial hypertension and pulmonary emboli. *AJR* 1987; 149: 15
White RE See Pollei SR
White RH See Hardy DC
White RI Jr See Brewer ML
White RI Jr See Halden WJ Jr
White RI Jr See Hewes RC
White RI Jr See Kadir S
White RI Jr See Kinnison ML
White RI Jr See Labs JD
White RI Jr See Murray RR Jr
White RI Jr See Nadel SN
White RI Jr See Powe NR
White RI Jr See Redmond PL
White RI Jr See Shuman L
White RI Jr See Widlus DM
White RI Jr: interventional radiology: reflections and expectations. the 1985 Eugene F. Pendergrass New Horizons Lecture. *Radiology* 1987; 162: 593
White RI Jr: interventional radiology: we can't have it both ways. *Radiology* 1986; 161: 565
White RI Jr; Halden WJ Jr: liquid gold: low-osmolality contrast media. *Radiology* 1986; 159: 559
White RI Jr; Lynch-Nyhan A; Terry P; Buescher PC; Farmlett EJ; Charnas L; Shuman KR; Kim W; Kinnison ML; Mitchell SE: pulmonary arteriovenous malformations: techniques and long-term outcome of embolotherapy. *Radiology* 1988; 169: 663
White RI Jr; Mitchell SE; Kan J: interventional procedures in congenital heart disease. *Cardiovasc Intervent Radiol* 1986; 9: 286
White RI Jr; Rizer DM; Shuman KR; White EJ; Adams PE; Kinnison ML; Mitchell SE; Osterman FA Jr: streamlining operation of an admitting service for interventional radiology. *Radiology* 1988; 168: 127
White RM; Zajko AB; Demetris AJ; et al: liver transplant rejection: angiographic findings in 35 patients. *AJR* 1987; 148: 1095
White SJ See Bank ER
White SJ See Blane CE
White SJ See Braunstein EM
White SJ See Ho A
White SJ; Blane CE; DiPietro MA; et al: arthrography in evaluation of birth injuries of the shoulder. *J Canad Assoc Radiol* 1987; 38: 113
White W See Ralls FW
White WF See Rostom AY
Whitecross SES See Steger AC
Whitehead J; Carille T; Kopecky KJ; et al: Wolfe mammographic parenchymal patterns: study of the masking hypothesis of Egan and Mosteller. (ab). *Radiology* 1986; 158: 857
Whitehouse GH See Fawcett HE
Whitehouse GH See Leinster SJ
Whitehouse GH See Morewood DJW
Whitehouse GH See Payne NI
Whitehouse GH; Leinster SJ; Al-Sumaidie AM; et al: analysis of referral patterns from a breast screening unit. *Clin Radiol* 1986; 37: 555
Whitehouse RW: high- and low-osmolal contrast agents in urography: comparison of the appearances with respect to pyelotubular opacification and renal length. *Clin Radiol* 1986; 37: 395
Whiteman MS See Glick SN

- Whiteman MS; Rosenberg H; Haskin PH; Teplick SK: celiac plexus block for interventional radiology. *Radiology* 1986; 161: 836
- Whitfield MF See Flodmark O
- Whitley JE See Mirvis SE
- Whitley NO See Keramati B
- Whitley NO See Mirvis SE
- Whitley NO See Nussbaum AR
- Whitley NO See Rosenbaum RC
- Whitley NO See Templeton FA
- Whitley NO See Young JWR
- Whitley NO; Evans RG; Moody MA; et al: advancement of women in academic radiology. *Invest Radiol* 1987; 22: 431
- Whitlock RML See Mok FM
- Whitlock RML See Rutherford JD
- Whitman SA See Effmann EL
- Whitmore LF See Torres WE
- Whitmore GF See Varghese AJ
- Whitmore GF; Gulyas S: studies of the toxicity of RSU-1069. *Int J Radiat Oncol Biol Phys* 1986; 12: 1219
- Whittaker CK See Cibis GW
- Wholey MH See Britton CA
- Wholey MH See Erbstein RA
- Wholey MH: newly designed angioplasty catheter: "the Gemini balloon". *Cardiovasc Intervent Radiol* 1988; 11: 42
- Wholey MH; Smoot S: choledocholithiasis: percutaneous as pulverization with a high-speed rotational catheter. *AJR* 1988; 150: 129
- Wholey MH; Zikria EA; Boyle B: inadvertent atrial fixation of a Swan-Ganz catheter by suture and a method for its percutaneous removal. *Cardiovasc Intervent Radiol* 1987; 10: 171
- Whyte AM; Bowyer FM: sialosis: diagnosis by computed tomography. *Br J Radiol* 1987; 60: 400
- Whyte AM; Byrne JV: comparison of computed tomography and ultrasound in the assessment of parotid masses. *Clin Radiol* 1987; 38: 339
- Whyte H See Davies CH
- Whyte KM; Abbott GD; Kennedy JC; et al: protocol for the investigation of infants and children with urinary tract infection. *Clin Radiol* 1988; 39: 278
- Whyte MP See McAlister WH
- Wichmann W See Schubiger O
- Wick MR See Schreiner JS
- Wickham N See Dharmasena F
- Wicklund B See Sato Y
- Widder D See Edelman RR
- Widder DJ: localization grid for MR-guided biopsy. *Radiology* 1988; 166: 581
- Widder DJ; Davis KR; Taveras JM: assessment of ventricular shunt patency by sonography: new noninvasive test. *AJNR* 1986; 7: 439
- Widder DJ; Edelman RR; Grief WL; et al: magnetite albumin suspension: a superparamagnetic oral MR contrast agent. *AJR* 1987; 149: 839
- Widder DJ; Greif WL; Widder KJ; et al: magnetite albumin microsphere: new MR contrast material. *AJR* 1987; 148: 399
- Widder DJ; Simone JF: microbubbles as a contrast agent for neurosonography and ultrasound-guided catheter manipulation: in vitro studies. *AJNR* 1986; 7: 433
- Widder KJ See Widder DJ
- Widdowson DJ; Lewis-Jones HG: case report: a large soft-tissue chondroma arising from the posterior mediastinum. *Clin Radiol* 1988; 39: 333
- Widen AL See Mikhael MA
- Widius DM; Murray RR; White RI Jr; Osterman FA Jr; Schreiber ER; Satre RW; Mitchell SE; Kaufman SL; Williams GM; Weiland AJ: congenital arteriovenous malformations: tailored embolotherapy. *Radiology* 1988; 169: 511
- Wiebe LI See Kancierz A
- Wiebers DO See Forbes G
- Wiese M See Weikner B
- Wieland DM See Mangner TJ
- Wieland DM See Muthiah HL
- Wieland DM See Sisson JC
- Wieland P See Fanconi S
- Wieler H See Feinendegen LE
- Wiener JD: long-term follow-up in untreated Plummer's disease (autonomous goiter). *Clin Nucl Med* 1987; 12: 198
- Wiener JJ; Chako AC; Merten CW; Gross S; Coffey EL; Stein HL: breast and axillary tissue MR imaging: correlation of signal intensities and relaxation times with pathological findings. *Radiology* 1986; 160: 299
- Wiener MD See Newbold RG
- Wiener MD; Blinder R: metoclopramide: an aid in the diagnosis of lower gastrointestinal hemorrhage by technetium-99m labeled red blood cells. *Clin Nucl Med* 1987; 12: 917
- Wiener MD; Bowie JD; Baker ME; et al: sonography of subfalcine hematoma after cesarean delivery. *AJR* 1987; 148: 907
- Wiener MD; Halvorsen RA Jr; Vollmer RT; et al: focal intrahepatic extramedullary hematopoiesis mimicking neoplasm. *AJR* 1987; 149: 1171
- Wiener MD; Newbold RG; Merten DF: chronic recurrent multifocal osteomyelitis (case report). *AJR* 1986; 147: 87
- Wiener SN See Eiber AM
- Wiener SN See Ruff RL
- Wiener SN; Pearlstein AE; Eiber A: MR imaging of intracranial arachnoid cysts. *JCAT* 1987; 11: 236
- Wiener-Kronish JP See Aberle DR
- Wiener-Kronish JP; Matthay MA: pleural effusions associated with hydrostatic and increased permeability pulmonary edema. (ab). *Radiology* 1988; 169: 586
- Wiernan ME See Hall DA
- Wiernik G: combination of radiotherapy and surgery in the treatment of carcinoma of the uterine cervix. *Br J Radiol* 1986; 59: 97
- Wierny L; Plass R; Forstmann W: transluminal closure of patent ductus arteriosus: long-term results of 208 cases treated without thoracotomy. *Cardiovasc Intervent Radiol* 1986; 9: 279
- Wierzbinski B See Shih W-J
- Wiese JA See Abu-Yousef MM
- Wiese JA See Yuh WTC
- Wiesen E See Yagan R
- Wietes BM See Greenberg M
- Wigg DR: radiation oncology in Australia: an increasing crisis. *Australas Radiol* 1988; 32: 24
- Wiggenraad R; Ravasz LA; Probst-van Zuylen FE: adjuvant postoperative radiotherapy in carcinoma of the rectum and recto-sigmoid. *Int J Radiat Oncol Biol Phys* 1988; 15: 753
- Wiggenraad RG See Terhaard CHJ
- Wiggins PA See Parkin A
- Wiggins T; Bohrer SP: case report 379. *Skeletal Radiol* 1986; 15: 409
- Wiggs B See Müller NL
- Wigton RS See Gurney JW
- Wigton RS See Hoellerich VL
- Wijn P See van Dam I
- Wijnmaalen A; van der Werf-Messing BHP: factors influencing the prognosis in bladder cancer. *Int J Radiat Oncol Biol Phys* 1986; 12: 559
- Wijrdeman HK See Siljens PE
- Wikland M See Granberg S
- Wikland M; Enk L; Hammarberg K; et al: use of a vaginal transducer for oocyte retrieval in an IVF/ET program. *JCU* 1987; 15: 245
- Wiklund K; Eklund G: reliability of record linkage in the Swedish Cancer-Environment Register. *Acta Oncol* 1986; 25: 11
- Wikstad I See Hannerz L
- Wilber G See Ross JS
- Wilber RG See Hueftle MG
- Wilberger JE Jr; Abia A; Rothfus W: lipoma of the septum pellucidum: case report. *CT* 1987; 11: 79
- Wilbert D See Mueller SC
- Wilbert DM; Reichenberger H; Noske E; et al: new generation shock wave lithotripsy. (ab). *Radiology* 1988; 166: 909
- Wilbrand H See Muren C
- Wilbrand H See Wadlin K
- Wilbur AC See Bärnny M
- Wilbur AC See Patel PS
- Wilbur AC See Tan WS
- Wilbur AC; Choi KH; Tan WS; et al: giant cell tumor of the sphenoid bone mimicking a pituitary tumor. *AJNR* 1986; 7: 361
- Wilbur AC; Dobben GD; Linder B: paraorbital tumors and tumor-like conditions: role of CT and MRI. *Radiol Clin North Am* 1987; 25: 631
- Wilbur AC; Gyi B: hepatocellular carcinoma: MR appearance mimicking focal nodular hyperplasia. *AJR* 1987; 149: 721
- Wilbur AC; Gyi B; Renigers SA: high-field MRI of primary gallbladder carcinoma. *Gastrointest Radiol* 1988; 13: 142
- Wilbur AC; Langer BG; Spigos DG: diagnosis of sacroiliac joint infection in pregnancy by magnetic resonance imaging. *Magn Res Imag* 1988; 6: 341
- Wilbur AC; Schmit DJ; Ryva JC; et al: accessory hepatic fissure mimicking an acoustically shadowing lesion. *J Ultrasound Med* 1986; 5: 341
- Wilbur AC; Spigos DG: adventitial cyst of the popliteal artery: CT-guided percutaneous aspiration. *JCAT* 1986; 10: 161
- Wilcott MR III See Wendt RE III
- Wilcox CM; Truss CD: gastrointestinal bleeding in patients receiving long-term anticoagulant therapy. (ab). *Radiology* 1988; 168: 883
- Wilcox DM See Dietz GW
- Wilcox J See Evill CA
- Wilcox J; Evill CA; Sage MR: effects of intracarotid ionic and non-ionic contrast material on the blood-brain barrier in a rabbit model. *Neuroradiol* 1986; 28: 271
- Wilcox J; Evill CA; Sage MR: rate of clearance of intrathecal iopamidol in the dog. *Neuroradiol* 1986; 28: 359
- Wilcox J; Wilson AJ; Evill CA; et al: comparison of blood-brain barrier disruption by intracarotid iohexol and iodoxanol in the rabbit. *AJNR* 1987; 8: 769
- Wilcox J; Baile EM; Hards J; et al: phrenic nerve function and its relationship to atelectasis after coronary artery bypass surgery. (ab). *Radiology* 1988; 169: 295
- Wild SR See Fidas A
- Wild SR See Kenney JJ
- Wild SR See Pyle SD
- Wild SR See Watson PG
- Wild CC; Tan L; Cheong FW: case report: computed tomography and ultrasound diagnosis of mycotic aneurysm of the abdominal aorta due to salmonella. *Clin Radiol* 1987; 38: 325
- Wilde P See Kabala JE
- Wilde PH See Hartnell GG
- Wilderman SJ See Watt AC
- Wiley JL See Monajati A
- Will LH; Ziesman HA; Marion LJ; et al: technetium-99m sulfur colloid diffuse lung uptake and its resolution in acute fatty liver of pregnancy. *Clin Nucl Med* 1987; 12: 951
- Wilhelm MC See Pope TL Jr
- Willinsky J See Lee SM
- Willk RM See Harms SE
- Willk RM; Harms SE: temporomandibular joint: multislab, three-dimensional Fourier transformation MR imaging. *Radiology* 1988; 167: 861
- Wilkins KL See Gore JC
- Wilkinson SA See Marsh D
- Wilkes CH See Schellhas KP
- Wilkey DJ See Sayle BA
- Wilkins ME; Keen CW: hemi-body radiotherapy in the management of metastatic carcinoma. *Clin Radiol* 1987; 38: 267
- Wilkins RA See Chong WK
- Wilkins RA See Garvey CJ
- Wilkins RA; Sandin B; Price A; et al: extrarenal arterial connections of the normal renal artery. *Cardiovasc Intervent Radiol* 1986; 9: 119
- Wilkins SA Jr; Holder LE; Raiker RV; et al: acute appendicitis presenting as acute left scrotal pain: diagnostic considerations. (ab). *Radiology* 1986; 158: 568
- Wilkinson JM: application of cost-benefit analysis when considering action to reduce environmental dose rates in hospitals. *Br J Radiol* 1987; 60: 919
- Wilkinson PM See Gupta NK
- Wilkinson RH See Blickman JG
- Wilkinson RH See Brown T
- Wilkinson RH Jr See Halvorsen RA Jr
- Wilkinson RH Jr See Ralston MD
- Wilkinson WE See Sherrier RH
- Will AD See Lewis LK
- Willan BD; Penney H; Castor WR; et al: usefulness of gallium-67 citrate scanning in testicular seminoma. *Clin Nucl Med* 1987; 12: 813
- Willans DJ See Boniface GR
- Willard D See Schwab H
- Willard DA: pelvic varices: sonographic and surgical recognition. *JCU* 1988; 16: 265
- Willard DA; Gabriele OF: megacystis-microcolon-intestinal hypoperistalsis syndrome in a male infant. *JCU* 1986; 14: 481
- Willard DA; Moeschler JB: placental chorioangioma: rare cause of elevated amniotic fluid alpha-fetoprotein. *J Ultrasound Med* 1986; 5: 221
- Willcox PA; Potgieter PD; Bateman ED: rapid diagnosis of sputum negative miliary tuberculosis using the flexible fiberoptic bronchoscope. (ab). *Radiology* 1987; 163: 838
- Willitt J; Schmutzhard E; Aichner F; et al: CT and MR imaging in neuro-Behcet disease. *JCAT* 1986; 10: 313
- Willm R See Jans AWH
- Williams J See Ragnarsson B
- Willmesen JN See Strubbe EH
- Willerson TP See Buja LM
- Willitt CG; Tepper JE; Orloff EL; et al: renal complications secondary to radiation treatment of upper abdominal malignancies. *Int J Radiat Oncol Biol Phys* 1986; 12: 1601
- Willitt CG; Urano M; Suit HD; et al: resident award essay: effect of temperature on blood flow and hypoxic fraction in a murine fibrosarcoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 1309
- William RR See Meher C
- Williams A See Russell E
- Williams AG See Kelsey CA
- Williams AG Jr See Sheward SE
- Williams AG Jr; Mettler FA Jr; Christie JH; et al: fat embolism syndrome. *Clin Nucl Med* 1986; 11: 495
- Williams AG Jr; Sheward SE: ultrasound appearance of biliary rhabdomyosarcoma. *JCU* 1986; 14: 63

Williams

- Williams AJ; Santiago S; Lehrman S; et al: transcatheter needle aspiration of solitary pulmonary masses: how many passes? (ab), *Radiology* 1988; 166: 292
- Williams AL See Breger RK
- Williams AL See Czervonick LF
- Williams AL See Daniels DL
- Williams AL See Houghton VM
- Williams AL See Kilgore DP
- Williams AL See Koehler PR
- Williams AL See Naidich TP
- Williams AL See Pojunaas KW
- Williams AL; Carrera GF; Grogan JP; et al: vacuum phenomenon as a sign of an ununited, unstable dens fracture, *AJNR* 1987; 8: 1144
- Williams AL; Houghton VM; Pojunaas KW; et al: differentiation of intramedullary neoplasms and cysts by MR, *AJNR* 1987; 8: 527
- Williams AR See Gross DR
- Williams AR See Saad AH
- Williams AR; *in vitro* biological effects of ultrasound, *Ultrasound Med Biol* 1986; 12: 685
- Williams AR; McHale J; Bowditch M; et al: effects of MHz ultrasound on electrical pain threshold perception in humans, *Ultrasound Med Biol* 1987; 13: 249
- Williams AR; Miller DL; Gross DR: haemolysis *in vivo* by therapeutic intensities of ultrasound, *Ultrasound Med Biol* 1986; 12: 501
- Williams B See Currarino G
- Williams C See Rossi RP
- Williams CC See Broff TG
- Williams CC See Maxon HR
- Williams CD See Zagoria RJ
- Williams CD III See Martino CR
- Williams CE See Carey BM
- Williams CE See Cooke DI
- Williams CE; Gordon A; Arthur RJ: "pseudocatheter" due to inadvertent ventricular catheter placement, *Pediatr Radiol* 1988; 18: 353
- Williams CE; Nelson M: varied computed tomographic appearances of acute spinal epidural haematoma, *Clin Radiol* 1987; 38: 363
- Williams CJ See Macbeth FR
- Williams CM; Kauda J; Newman RC; et al: extracorporeal shock-wave lithotripsy: long-term complications, *AJR* 1988; 150: 311
- Williams CO; Groce KA: importance of appropriate suite designs in the era of computerized imaging, *Radiol Clin North Am* 1986; 24: 337
- Williams CR See Costello P
- Williams CR; Kottamasu SR; Keller CE: right ventricular infarction in tetralogy of Fallot: thallium myocardial imaging, *Clin Nucl Med* 1988; 13: 125
- Williams CT; Stack JP; Loveday B; et al: magnetic resonance imaging of the mini-pig heart: the effect of gadolinium-DTPA on normal myocardium, *Br J Radiol* 1988; 61: 596
- Williams D See Johnson MA
- Williams DM See Alpern MB
- Williams DM See Andrews JC
- Williams DM See Ho A
- Williams DM See Meyer CR
- Williams DM; Meyer CR; Schreiner RJ: flow effects in multislice, spin-echo magnetic resonance imaging: model, experimental verification, and clinical examples, *Invest Radiol* 1987; 22: 642
- Williams DO See Berger E
- Williams DO; Borer J; Braunwald E; et al: intravenous recombinant tissue-type plasminogen activator in patients with acute myocardial infarction: report from the NHLBI thrombolysis in myocardial infarction trial, (ab), *Radiology* 1986; 160: 286
- Williams DF See Roach ES
- Williams DS; Leslie MD: skin reaction following aminoglutethimide and radiotherapy, *Br J Radiol* 1987; 60: 1226
- Williams DW; Merten DF; Effmann EL; et al: ventilator-induced pulmonary pseudocysts in preterm neonates, *AJR* 1988; 150: 885
- Williams ED See Griffiths DFR
- Williams ED; Parker C; Rankin D; et al: multiple-section radionuclide tomography of the kidney: clinical evaluation, *Br J Radiol* 1986; 59: 975
- Williams ES; Khreisat S; Ell PJ; et al: bone imaging and skeletal radiology in dysbaric osteonecrosis, *Clin Radiol* 1987; 38: 589
- Williams F See Evans S
- Williams G See Hartnell GG
- Williams GM See Kinnison ML
- Williams GM See Wilkins DM
- Williams GM: who should blow up balloons in arteries, *Radiology* 1988; 169: 857
- Williams GT See Griffiths DFR
- Williams HJ Jr See LeRoy AJ
- Williams HJ Jr See May GR
- Williams HJ Jr; Bender CE; May GR: benign postoperative biliary strictures: dilation with fluoroscopic guidance, *Radiology* 1987; 163: 629
- Williams HT; Miller JH: scintigraphy of major closed chest cardiac trauma in childhood, *Pediatr Radiol* 1988; 18: 74
- Williams I; Slavin G; Cox A; et al: diverticular disease (adenomyomatosis) of the gallbladder: radiological-pathological survey, *Br J Radiol* 1986; 59: 29
- Williams J See Rawlinson J
- Williams JC: breast cancer screening: underuse of mammography, *Radiology* 1986; 159: 566
- Williams JE See Bailey MJ
- Williams JJ See Poon PY
- Williams JJ See Chang W
- Williams JL See Cazenave CR
- Williams JL See Kauda J
- Williams JL See Laurin S
- Williams JL See Miles SG
- Williams JL See Ramey SL
- Williams JL; Bush D; Wright PG: omphalocele and ectopic spleen, *JCU* 1987; 15: 409
- Williams JL; Cumming WA; Walker RD III; et al: transitional cell papilloma of the bladder, *Pediatr Radiol* 1986; 16: 322
- Williams JL; Kauda J: sonographic findings in a case of Castleman disease of the neck, *J Ultrasound Med* 1986; 5: 593
- Williams JL; Sieg B; Prevatt LK: capillary anastomosis in vena caval thrombosis, *Clin Nucl Med* 1986; 11: 868
- Williams JP See Allen RF
- Williams JP See Cooper SD
- Williams JP See Lum GB
- Williams JP See Maerten BC
- Williams JP See Maciens FM
- Williams JR See Duncan W
- Williams KD See Brown SB
- Williams KD See Glasier CM
- Williams LA See Nicholson AA
- Williams LE See Turner AF
- Williams LE; Duda RB; Proffitt RT; et al: tumor uptake as a function of tumor mass: a mathematic model, *J Nucl Med* 1988; 29: 103
- Williams MD See Hopper KD
- Williams MP See Belli A-M
- Williams MP See Heron CW
- Williams MP See Meacock CI
- Williams MP See Phillips MS
- Williams MP: non-tuberculous psoas abscess, *Clin Radiol* 1986; 37: 253
- Williams MP; Cherryman GR: lymph-node calcification in Lennert's lymphoma, *Br J Radiol* 1987; 60: 1131
- Williams MP; Cherryman GR: thoracic disk herniation: MR imaging, *Radiology* 1988; 167: 874
- Williams MP; Ford GA: pneumoretroperitoneum following iliac crest trephine, *Br J Radiol* 1986; 59: 935
- Williams MP; Husband JE; Heron CW: intrathoracic manifestations of metastatic testicular seminoma: a comparison of chest radiographic and CT findings, *AJR* 1987; 149: 473
- Williams MP; Husband JE; Heron CW: stage I nonseminomatous germ cell tumors of the testis: radiologic follow-up after orchidectomy, *Radiology* 1987; 164: 671
- Williams MP; Naik G; Heron CW; et al: computed tomography of the abdomen in advanced seminoma: response to treatment, *Clin Radiol* 1987; 38: 629
- Williams MV See Parr MJA
- Williams MV: cribriform plate: sanctuary site for meningeal leukaemia, *Br J Radiol* 1987; 60: 469
- Williams NS See Womack NR
- Williams PG See Holmes KT
- Williams PG; Saunders JK; Dyne M; et al: application of a T₂-filtered COSY experiment to identify the origin of slowly relaxing species in normal and malignant tissue, *Magn Res Med* 1988; 7: 463
- Williams R See Wall BE
- Williams R; Thomas AMK: missing balloon sign, *Clin Radiol* 1987; 38: 59
- Williams RA See Baumgartner F
- Williams RD See Demas BE
- Williams RG See Gomes AS
- Williams RG See Lin AE
- Williams RW See Wolfman NT
- Williams SJ See Mousa SA
- Williams SM See Kaplan PA
- Williams SM See Ong E
- Williams SM; Harned RK: hepatobiliary complications of inflammatory bowel disease, *Radiol Clin North Am* 1987; 25: 175
- Williams SM; Kaplan PA; Petersen JC; Lieberman RP: mammography in women under age 30: is there clinical benefit?, *Radiology* 1986; 161: 49
- Williams SM; May C; Krause DW; et al: symptomatic congenital ectopic gastric mucosa in the upper esophagus, *AJR* 1987; 148: 147
- Williams SR See Gadian DG
- Williams SR; Proctor E; Allen K; et al: quantitative estimation of lactate in the brain by ¹H NMR, *Magn Res Med* 1988; 7: 425
- Williams TM See Marinelli DL
- Williams VL; Higgins WL; Epstein DH: negative radionuclide venogram: an indication for conservative therapy?, *Clin Nucl Med* 1988; 13: 26
- Williams WG See Watanabe T
- Williams WH See Cronin EB
- Williams WV; Cope R; Gaunt WD; et al: metacarpophalangeal arthropathy associated with manual labor (Missouri metacarpal syndrome): clinical, radiographic, and pathologic characteristics of an unusual degenerative process, (ab), *Radiology* 1988; 168: 590
- Williamson B See Butler P
- Williamson B See Hattery RR
- Williamson BRJ See Black WC
- Williamson BRJ See Burke JW
- Williamson BRJ See Gouse JC
- Williamson BRJ See Paling MR
- Williamson BRJ See Phillips CD
- Williamson BRJ; Gouse JC; Rohrer DG; Teates CD: variation in the thickness of the diaphragmatic crura with respiration, *Radiology* 1987; 163: 683
- Williamson BRJ; Paling MR: computed tomography of low pericardial focal fat collections, *CT* 1988; 12: 223
- Williamson JF: accuracy of the line and point source approximations in IR-192 dosimetry, *Int J Radiat Oncol Biol Phys* 1986; 12: 409
- Williamson JF: Monte Carlo and analytic calculation of absorbed dose near ¹³⁷Cs intracavitary sources, *Int J Radiat Oncol Biol Phys* 1988; 15: 227
- Williamson JF; Seminoff T: template-guided interstitial implants: Co-137 reusable sources as a substitute for Ir-192, *Radiology* 1987; 165: 265
- Williamson M See Shah HR
- Williamson MR See Shah HR
- Williamson MR See Williamson SL
- Williamson MR; Anguaco EJ; Jackson JC; Pruitt WB: spine: device to facilitate surface coil MR imaging, *Radiology* 1988; 167: 273
- Williamson MR; Boyd CM; McGuire EL; Anguaco TL; Westbrook KC; Lang NP; Alston J; Broadwater JR; Navab F; Bersey ML: precise intraoperative location of gastrointestinal bleeding with a hand-held counter: work in progress, *Radiology* 1986; 159: 272
- Williamson MR; Boyd CM; Read RC; et al: 111 In-labeled leukocytes in the detection of prosthetic vascular graft infections, *AJR* 1986; 147: 173
- Williamson MR; Boyd CM; Williamson SL; et al: autonomous functioning cystic thyroid adenoma: unusual occurrence, *Clin Nucl Med* 1986; 11: 821
- Williamson MR; Williamson SL; Seibert JJ: indium-111 leukocyte scanning localization for detecting early myocarditis in Kawasaki disease, *AJR* 1986; 146: 255
- Williamson FK See Bomalaski JS
- Williamson RA See Abu-Yousef MM
- Williamson RA See Weiner CP
- Williamson SL See Alexander JE
- Williamson SL See Glasier CM
- Williamson SL See Seibert JJ
- Williamson SL See Seibert RW
- Williamson SL See Williamson MR
- Williamson SL; Seibert JJ; Butler HL; et al: apparent gut excretion of Tc-99m-DISIDA in a case of extrahepatic biliary atresia, *Pediatr Radiol* 1986; 16: 245
- Williamson SL; Seibert JJ; Glasier CM; et al: complications of fractures elucidated by bone scans, *Clin Nucl Med* 1987; 12: 260
- Williamson SL; Seibert JJ; Tryka AF; et al: renal imaging on liver-spleen scans, *Clin Nucl Med* 1987; 12: 831
- Williamson SL; Williamson MR; Golladay ES; et al: use of technetium-99m albumin colloid to assess competency of hemidiaphragms in children, *Clin Nucl Med* 1987; 12: 373
- Williamson SL; Williamson MR; Seibert JJ; et al: indium-111 leukocyte accumulation in submandibular gland saliva as a cause for false-positive gut uptake in children, *Clin Nucl Med* 1987; 12: 867
- Williamson SL; Williamson MR; Seibert JJ; et al: indium 111 white blood cell scanning in the pediatric population, *Pediatr Radiol* 1986; 16: 493
- Williamson SL; Williamson MR; Seibert JJ; et al: submandibular uptake on indium-111 leukocyte scans in children, *Clin Nucl Med* 1987; 12: 27
- Willig R-P See Riebel T
- Willig SJ See Berry DF
- Willig ST See Beers GJ
- Willinsky R; Lasjaunias F; Pruvost F; et al: petrous internal carotid aneurysm causing epistaxis: balloon embolization with preservation of the parent vessel, *Neuroradiol* 1987; 29: 570
- Willinsky RA; Grossman H; Cooper FW; et al: radiology of sacral cysts, *J Canad Assoc Radiol* 1988; 39: 21

- Willinsky RA; Kassel EE; Cooper FW; et al: computed tomography of lingual thyroid. *JCAT* 1987; 11: 182
- Willinsky RA; Nedzelski JM; Cooper FW; et al: dehiscence of jugular megacyst associated with a dominant occipital sinus. *Neuroradiol* 1987; 29: 408
- Willinsky RA; Tator CH; Lewis AJ; et al: epidermoid tumor: unusual cause of ossification within the spinal canal. *J Canad Assoc Radiol* 1986; 37: 56
- Willis CL See Edmonds CJ
- Willis GW See Hayes DH
- Willoughby BL See Kramolowsky EV
- Wills JS See Roesler PJ Jr
- Wills JS: hepatic radiography. *Radiology* 1986; 158: 628
- Wills JS: percutaneous gastrostomy: applications in gastric carcinoma and gastroplasty stoma dilatation. *AJR* 1986; 147: 826
- Wills JS; Oglesby JT: controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall. *Radiology* 1986; 160: 278
- Wills JS; Oglesby JT: percutaneous gastrostomy. *Radiology* 1988; 167: 41
- Willson SA See vanSonnenberg E
- Willson SA See Wittich GR
- Willson SA: fatty meal in biliary tree diagnosis. *Semin US CT MR* 1987; 8: 114
- Willson SA; Gosink BB; vanSonnenberg E: unchanged size of a dilated common bile duct after a fatty meal: results and significance. *Radiology* 1986; 160: 29
- Willson SA; Princenthal RA; Law B; et al: gallbladder carcinoma in association with polyposis coli. *Br J Radiol* 1987; 60: 771
- Wilmink JT See Penning L
- Wilmink JT; Roukema JG: effects of IV contrast administration on intrasplenic and parasplenic tissues: a CT study. 1. measurement of CT attenuation numbers. *AJNR* 1987; 8: 703
- Wilmink JT; Roukema JG; van den Burg W: effects of IV contrast administration on intrasplenic and parasplenic tissues: a CT study. 2. visual assessment. *AJNR* 1988; 9: 191
- Wilmot D See Rush PJ
- Wilmot DM See Cameron BJ
- Wilms GE; Baert AL; Dewaele D; et al: percutaneous transluminal angioplasty of the subclavian artery: early and late results. *Cardiovasc Intervent Radiol* 1987; 10: 123
- Wilms GE; Baert AL; Staessen JA; Amery AK: renal artery stenosis: evaluation with intravenous digital subtraction angiography. *Radiology* 1986; 160: 713
- Wilms GE; Favril A; Baert AL; et al: transcatheter embolization of uterine arteriovenous malformations. *Cardiovasc Intervent Radiol* 1986; 9: 61
- Wilms GE; Marchal GF; Baert AL; et al: CT and ultrasound features of post-traumatic adrenal hemorrhage. *JCAT* 1987; 11: 112
- Wilms GE; Nevelsteen A; Baert AL; et al: intraoperative angioplasty. *Cardiovasc Intervent Radiol* 1987; 10: 6
- Wilms GE; Oyen R; Baert AL: left spermatic vein in left-sided vena cava. *Cardiovasc Intervent Radiol* 1987; 10: 258
- Wilms GE; Oyen R; Casselman J; et al: solitary or predominantly right-sided varicocele: a possible sign of situs inversus. *Urol Radiol* 1988; 9: 243
- Wilms GE; Oyen R; Waer M; et al: CT demonstration of aneurysms in polyarteritis nodosa. *JCAT* 1986; 10: 513
- Wilms GE; Storme L; Vandaele L; et al: CT demonstration of aneurysm of a persistent sciatic artery. *JCAT* 1986; 10: 524
- Wilms GE; Verhaeghe RH; Pouillon MM; et al: local thrombolysis in femoropopliteal occlusion: early and late results. *Cardiovasc Intervent Radiol* 1987; 10: 272
- Wilms GE; Vermeylen J; Baert AL: intraarterial low-dose streptokinase infusion in the treatment of acute renal thromboembolism. *Eur J Radiol* 1987; 7: 72
- Wilner H; Lazo A; Metes JJ; Bell KA; Nowack F; Jacobs J: embolization in cataclysmal hemorrhage caused by squamous cell carcinomas of the head and neck. *Radiology* 1987; 163: 759
- Wilson AG See Bellamy EA
- Wilson AG; Joseph AEA; Butland RJA: radiology of aseptic cavitation in pulmonary infarction. *Clin Radiol* 1986; 37: 327
- Wilson AJ See Wilcox J
- Wilson AJ; Ford LT; Gilula LA: migrating mouse: a sign of dissecting popliteal cyst. *AJR* 1988; 150: 867
- Wilson AJ; Monsees B; Blair VF III: acetabular cup dislocation: a new complication of total joint arthroplasty. *AJR* 1988; 151: 133
- Wilson AJ; Murphy WA; Hardy DC; Totty WG: transient osteoporosis: transient bone marrow edema? *Radiology* 1988; 167: 757
- Wilson AJ; Ramsby GR: skeletal measurements using a flying spot digital imaging device. *AJR* 1987; 149: 339
- Wilson CB See Berger MS
- Wilson CB See Size G
- Wilson CB; Lambert HE; Scott RD: subclavian and axillary vein thrombosis following radiotherapy for carcinoma of the breast. *Clin Radiol* 1987; 38: 95
- Wilson CG See Chatterton BE
- Wilson CR See Chintapalli K
- Wilson CR See Foley WD
- Wilson CR See Goodman LR
- Wilson CR See Size G
- Wilson DA; Nguyen DL; Tittle TL; et al: sonography of the adrenal glands in chronic disseminated histoplasmosis. *J Ultrasound Med* 1986; 5: 69
- Wilson DA; Prince JR: MR imaging of hemophilic pseudotumors. *AJR* 1988; 150: 349
- Wilson DA; Steiner RE: periventricular leukomalacia: evaluation with MR imaging. *Radiology* 1986; 160: 507
- Wilson DG See Kahn D
- Wilson DJ See Hughes DG
- Wilson DJ See Lott CW
- Wilson DL; Sharma SC; Jose B: intracavitary cone system for electron beam therapy using a Therac 20 linear accelerator. *Int J Radiat Oncol Biol Phys* 1986; 12: 1007
- Wilson FMA; Smith FW: unexplained technetium-99m DTPA uptake by lung. *Clin Nucl Med* 1987; 12: 487
- Wilson GA: nuclear medicine therapy. *Radiology* 1988; 166: 756
- Wilson GD See Gasinska A
- Wilson GD See McNally NJ
- Wilson GD; McNally NJ; Dische S; et al: cell proliferation in human tumours measured by *in vivo* labelling with bromodeoxyuridine. *Br J Radiol* 1988; 61: 419
- Wilson GF: haemorrhagic cystitis emphysematosa. (ab). *Radiology* 1986; 158: 569
- Wilson GH See Dietrich RB
- Wilson GH See Teresi LM
- Wilson GJ See Benson LN
- Wilson GM See Teresi LM
- Wilson J See Lewis R
- Wilson JA See Novick RJ
- Wilson JAF See Agha FP
- Wilson JF See Abrams RA
- Wilson JF See Prows J
- Wilson JF; Chassagne D; Joassin C: brachytherapy trials. *Int J Radiat Oncol Biol Phys* 1988; 14: 557
- Wilson JL See Okazaki JR
- Wilson M See Jaspas T
- Wilson MA See Bushnell DL
- Wilson MA See Kahn D
- Wilson MA See Mehta RC
- Wilson MR See Genetz BM
- Wilson MW See Mountz JM
- Wilson RA See Shea MJ
- Wilson RA; Shea M; De Landsheere C; et al: rubidium-82 myocardial uptake and extraction after transient ischemia: PET characteristics. *JCAT* 1987; 11: 60
- Wilson RA; Sullivan FJ; Okada RD; et al: effect of eating on thallium myocardial imaging. (ab). *Radiology* 1986; 160: 574
- Wilson RF; Holida MD; White CW: quantitative angiographic morphology of coronary stenoses leading to myocardial infarction or unstable angina. (ab). *Radiology* 1986; 160: 287
- Wilson SD See Kneeland JB
- Wilson SE See Baumgartner F
- Wilson SE See Butler JA
- Wilson SR See Campbell JP
- Wilson SR See Hennig RC
- Wilson SR; Hine AL: leiomyosarcoma of the portal vein. *AJR* 1987; 149: 183
- Wilson WJ See Berger PE
- Wilson WR; Denny WA; Stewart GM; et al: reductive metabolism and hypoxia-selective toxicity of nitracrine. *Int J Radiat Oncol Biol Phys* 1986; 12: 1235
- Wilton GP See Gross MD
- Wiltse L See Berger PE
- Wimmer B See Reinhold W-D
- Winchester P See Jagannath A
- Winchester P See Kleinman FK
- Winchester P See Sherman C
- Winchester P; Brill FW; Cooper R; et al: prevalence of "compressed" and asymmetric lateral ventricles in healthy full-term neonates: sonographic study. *AJNR* 1986; 7: 149
- Winchman HK See Nosher JL
- Wincze JP See Malhotra CM
- Windeler SA See Palmaz JC
- Windham JP See Burke MW
- Windham JP See Watt AC
- Windham JP; Abd-Allah MA; Reimann DA; et al: eigenimage filtering in MR imaging. *JCAT* 1988; 12: 1
- Windus DW; Stokes TJ; Julian BA; et al: fatal rhizopus infections in hemodialysis patients receiving deferoxamine. (ab). *Radiology* 1988; 167: 587
- Winek TG; Mosely S; Groat G; et al: pneumoperitoneum and its association with ruptured abdominal viscus. (ab). *Radiology* 1988; 169: 585
- Winer-Muram H See Manie JD
- Winer-Muram H See Morgan K
- Winer-Muram H; Gavani ML: asymptomatic left apical mass in an elderly man. *Invest Radiol* 1987; 22: 982
- Winer-Muram HT See Gavani ML
- Winer-Muram HT See Salazar JE
- Winer-Muram HT See Scott RL
- Winfield AC See Earhman WJ
- Winfield AC See Hinton A
- Winfield AC; Ford CV; James AE Jr; et al: response of patients to informed consent for excretory urography. *Urol Radiol* 1986; 8: 35
- Winfield DF See Woodall BH
- Winfield HN; Clayman RV; Chaussy CG; et al: monotherapy of staghorn renal calculi: a comparative study between percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy. (ab). *Radiology* 1988; 169: 586
- Wing VW See Goldstein RB
- Wing VW See Helms CA
- Wing VW See Jeffrey RB Jr
- Wing VW See Laing JC
- Wing VW See Townsend RR
- Wing VW See vanSonnenberg E
- Wing VW See Vernachia FS
- Wing VW See Vogel P
- Wing VW; Jeffrey RB Jr; Hightower DR; et al: digital-acout-radiograph-assisted percutaneous abscess drainage (technical note). *AJR* 1988; 147: 406
- Winget JM See Engler MJ
- Wingfield DD See Evans RJ
- Winkel K See Adolph JMG
- Winkelhaake J See Revel D
- Winkelmann MD See Costigan DA
- Winkelmann MD; Adelstein DJ; Karlins NL: intramedullary spinal cord metastasis: diagnostic and therapeutic considerations. (ab). *Radiology* 1987; 165: 687
- Winkler AR; Barnes JC; Ogden JA: break dance hip: chronic avulsion of the anterior superior iliac spine. *Pediatr Radiol* 1987; 17: 501
- Winkler B See Randel SB
- Winkler C See Kropp J
- Winkler ML See Fritzsche FJ
- Winkler ML See Hricak H
- Winkler ML See McCarthy SM
- Winkler ML See Mark AS
- Winkler ML See Olsen WL
- Winkler ML See White RD
- Winkler ML; Higgins CB: MRI of perivascular infectious pseudoaneurysms. *AJR* 1986; 147: 253
- Winkler ML; Higgins CB: suspected intracardiac masses: evaluation with MR imaging. *Radiology* 1987; 165: 117
- Winkler ML; Hricak H: pelvis imaging with MR: technique for improvement. *Radiology* 1986; 158: 848
- Winkler ML; Hricak H; Higgins CB: MR imaging of diffusely infiltrating gastric carcinoma. *JCAT* 1987; 11: 337
- Winkler ML; Olsen WL; Mills TC; Kaufman L: hemorrhagic and nonhemorrhagic brain lesions: evaluation with 0.35-T fast MR imaging. *Radiology* 1987; 165: 203
- Winkler ML; Ortendahl DA; Mills TC; Crooks LE; Sheldon PE; Kaufman L; Kramer DM: characteristics of partial flip angle and gradient reversal MR imaging. *Radiology* 1988; 166: 17
- Winkler P See Helmke K
- Winkler SS: follow-up chest radiographs in Vietnam veterans: are they useful? *Radiology* 1987; 163: 583
- Winkler SS; Nielsen A; Mesina J: respiratory depression in goats by stable xenon: implications for CT studies. *JCAT* 1987; 11: 496
- Winn RS See Lane JJ
- Winning AJ; McVoy J; Seed WA; et al: interpretation of negative results in fine needle aspiration of discrete pulmonary lesions. (ab). *Radiology* 1987; 164: 291
- Winsett MZ See Bedi DG
- Winsett MZ See Fawcett HD
- Winsett MZ; Amparo EG; Fagan CJ; et al: MR imaging of mediastinal pseudocyst. *JCAT* 1988; 12: 320
- Winsett MZ; Amparo EG; Fawcett HD; et al: renal transplant dysfunction: MR evaluation. *AJR* 1988; 150: 319
- Winsett MZ; Fagan CJ; Bedi DG: sonographic demonstration of bladder-flap hematoma. *J Ultrasound Med* 1986; 5: 483
- Winsett MZ; Kumar R; Balachandran S; et al: pseudocyst following splenectomy: impact of CT and ultrasound on its diagnosis and management. *Gastrointest Radiol* 1988; 13: 177

- Winslade WJ See Schreiber MH
Winston DW See Turner AF
Winston KR See Lutz W
Winston KR See Saunders WM
Winston KR See Saunderson J
Winter HS See Hoffer FA
Winter J See LaFontaine RL
Winter K See Foster A
Winter MW See Weis JW
Winter PF See Fan BW
Winter PF See Olson SL
Winter R See Biedert S
Winters C Jr See Van Ness MM
Winthrop E See Enig B
Winthrop JD See Karnaze MG
Winthrop JD See Sartor K
Wintz F See Pistola F
Winzelberg GG: sensitivity and specificity of common scintigraphic procedures, *Radiology* 1986; 159: 138
Winzelberg GG: thallium 201/^{99m}Tc parathyroid subtraction scintigraphy of the neck: single area of increased thallium uptake, *Semin Nucl Med* 1987; 17: 273
Winzelberg GG: thallium 201/^{99m}Tc parathyroid subtraction scintigraphy of the neck: multiple areas of increased thallium uptake, *Semin Nucl Med* 1987; 17: 276
Winzelberg GG: thallium 201/^{99m}Tc parathyroid subtraction scintigraphy of the mediastinum, *Semin Nucl Med* 1987; 17: 278
Winzelberg GG; Hydovitz JD: localization of parathyroid adenomas in patients who have undergone surgery, *Radiology* 1987; 163: 828
Winzelberg GG; Melada GA; Hydovitz JD: false-positive thallium-201 parathyroid scan of the mediastinum in Hodgkin's lymphoma, *AJR* 1986; 147: 819
Wiot JG See Lukin RR
Wippold F See Jabbari B
Wippold FJ See Barkovich AJ
Wippold FJ See Mulligan ME
Wippold FJ; Citrin C; Barkovich AJ; et al: evaluation of MR in spinal dysraphism with lipoma: comparison with metrizamide computed tomography, *Pediatr Radiol* 1987; 17: 184
Wirell S See Billström A
Wirell S See Lorentzon R
Wirima J See Mohammed SH
Wirth CR See Lee JK
Wirth RL; Zatz LM; Parker BR: CT detection of a Jefferson fracture in a child, *AJR* 1987; 149: 1001
Wirtschafeder JD See Rubinfeld M
Wise A See Penketh ARL
Wise AG; Sage MR: computed tomography of calcified gastric carcinoma: a case report, *Australas Radiol* 1987; 31: 267
Wise PA; Sagar VV: retrograde flow pattern on a gastrointestinal bleeding scan, *Clin Nucl Med* 1988; 13: 56
Wise RH Jr; Retterbush DW; Stanley RJ: CT findings in acute thrombosis of superior mesenteric vein aneurysm, *JCAT* 1987; 11: 172
Wisensberg G; Pflugfelder FW; Kostruk WJ; et al: diagnostic applicability of magnetic resonance imaging in assessing human cardiac allograft rejection, (ab), *Radiology* 1988; 166: 910
Wisner GL See Buxton RB
Wisner GL See Dinamore RE
Wisner GL See Kaul S
Wisner GL See Rosen BR
Wisner GL See Schick RM
Wisner GL See Stratemeyer EJ
Wisner GL; Buxton RB; Rosen BR; et al: susceptibility induced MR line broadening: applications to brain iron mapping, *JCAT* 1988; 12: 259
Wisniewski KE; Dalton AJ; McLachlan DRC; et al: Alzheimer's disease in Down's syndrome: clinicopathologic studies, (ab), *Radiology* 1986; 159: 573
Wiss DA See Hindman BW
Wist AO See Fattorus PP
Witanowski LS See Grossman ZD
Witanowski LS See Kenney PJ
Witanowski LS See Panicek DM
Witanowski LS See Rosebrough SF
Witkofski RL See Formanek AG
Witelson SF: brain connection: corpus callosum is larger in left-handers, (ab), *Radiology* 1986; 158: 285
Withers C See Casola G
Withers C See vanSonnenberg E
Withers CE; Casola G; Herba MJ; Vilorio J: intravascular tumors: transvenous biopsy, *Radiology* 1988; 167: 713
Withers G See Pettigrew JW
Withers HR See Mason KA
Withers HR See Masuda K
Withers HR: predicting late normal tissue responses, *Int J Radiat Oncol Biol Phys* 1986; 12: 693
Withers HR; Mason KA; Thames HD Jr: late radiation response of kidney assayed by tubule-cell survival, *Br J Radiol* 1986; 59: 587
Withers HR; Taylor JMG; Maciejewski B: hazard of accelerated tumor clonogen repopulation during radiotherapy, *Acta Oncol* 1988; 27: 131
Withers HR; Taylor JMG; Maciejewski B: treatment volume and tissue tolerance, *Int J Radiat Oncol Biol Phys* 1988; 14: 751
Witherspoon L; Shuler S; Alyea K; et al: digoxin-like substance in term pregnancy, newborns, and renal failure, *J Nucl Med* 1986; 27: 1418
Withrow SJ See Ahmadi-Suka F
Withrow SJ See Hoopes F
Witkamp TD See Feldberg MAM
Wittrak BJ; Davis PC; Hoffman JC Jr: sinus pericranii: case report, *Pediatr Radiol* 1986; 16: 55
Witt JH See Wechsler-Jentsch K
Witt N See Blom R
Witt TR See Dwarakanathan AA
Witt TR See Rabin DN
Witt TR See Turner DA
Witte DP See Towbin RB
Witte G; Hoehne K-H; Riemer M; et al: use of the Fourier transform in cardiac digital angiography, *Cardiovasc Intervent Radiol* 1987; 10: 59
Witte RJ; Petersen RJ; Augustine SC; et al: indium-111 labeled leukocyte imaging following hepatic artery embolization, *Clin Nucl Med* 1986; 11: 341
Witten DM See Hattery RR
Wittenberg J See Bousquet J-C
Wittenberg J See Butch RJ
Wittenberg J See Edelman RR
Wittenberg J See Elizondo G
Wittenberg J See Hahn PF
Wittenberg J See Mueller PR
Wittenberg J See Papanicolaou N
Wittenberg J See Saini S
Wittenberg J See Stark DD
Wittenberg J See Steiner E
Wittenberg J See Tang Y-M
Wittenberg J See Weissleder R
Wittenberg J See White EM
Wittenberg J; Stark DD; Forman BH; et al: differentiation of hepatic metastases from hepatic hemangiomas and cysts by using MR imaging, *AJR* 1988; 151: 79
Wittenburg J See Mueller PR
Wittich GR See Cabrera O
Wittich GR See Herold CJ
Wittich GR See Kumpan W
Wittich GR See Lee AS
Wittich GR See Neff CC
Wittich GR See Quinn SF
Wittich GR See vanSonnenberg E
Wittich GR See Vergesslich KA
Wittich GR; Karmel F; Schurawitzki H; Jantsch H: percutaneous drainage of mediastinal pseudocysts, *Radiology* 1988; 167: 51
Wittich GR; vanSonnenberg E; Willson SA; et al: computed tomography of peripancreatic fat planes, *Eur J Radiol* 1987; 7: 253
Wittwer G See Denham JW
Wittwer GA See Petro GR
Witzel MA See Stringer DA
Witztum K See Taylor A Jr
Witztum KF See Kipper MS
Wiznia AA See Marion RW
Wladimiroff JW See Reuss A
Wladimiroff JW See Tonge HM
Wladimiroff JW See van Edmond-Linden A
Wohl MEB See Griscorn NT
Wohlmut DE; Price DB; Gordon DH: improved technique for rethreading and modifying Cope loop retention catheters, *Cardiovasc Intervent Radiol* 1987; 10: 175
Wohltmann D See Auffermann W
Woisard KK See Johnson JF
Wojciechowski M See Valman U
Wojcik WG See Gensburg RS
Wojcik WG; Edeiken-Monroe BS; Harris JH Jr: three-dimensional computed tomography in acute cervical spine trauma: preliminary report, *Skeletal Radiol* 1987; 16: 261
Wojtaszek DA; Teixidor HS; Kazam E: appendicitis with bladder involvement: CT appearance, *Urol Radiol* 1988; 9: 237
Wojtowycz M See Shultz S
Wojtowycz M: computer tomographie-verfahren: transmissione, emissions-, magnet-resonanz-CT, physik, technik und medizinische perspektiven (computed tomographic methods: transmission, emission, and magnetic resonance CT, physics, techniques and medical perspectives, *Radiology* 1986; 161: 526
Wojtowycz MM See Traugber PD
Wojtowycz MM; Arata JA Jr: subcutaneous emphysema after percutaneous gastrostomy, *AJR* 1988; 151: 311
Wojtowycz MM; Arata JA Jr; Micklos TJ; et al: CT findings after uncomplicated percutaneous gastrostomy, *AJR* 1988; 151: 307
Wolbarst AB See Lyman JT
Wolcott MW See Karwande SV
Wold LE See Frassica F
Wold LE See Gorman B
Wold LE See Ivins JC
Woldenberg LS See Zeiss J
Woldenberg R See Levine MS
Wolff AP See Arnett CD
Wolff AP See Hiesiger E
Wolff AP See Shiu C-Y
Wolff BC See O'Murchada MT
Wolff BH See Hedrick WR
Wolff DM; Spataro RF: current state of hysterosalpingography, *Radiographics* 1988; 8: 1041
Wolff EJ See Fishman EK
Wolff EL See Brandt LJ
Wolff EL See Frager DH
Wolff EL; Frager D; Beneventano TC: radiologic demonstration of important gastrostomy tube complications, *Gastrointest Radiol* 1986; 11: 20
Wolff EL; Frager J; Brandt LJ; et al: radiographic appearance of the esophagus and stomach after laser treatment of obstructing carcinoma, *AJR* 1986; 146: 519
Wolff GL See Burk DL Jr
Wolff GL: safer, more expensive iodinated contrast agents: how do we decide?, *Radiology* 1986; 159: 557
Wolff GL: vitalism and proton relaxation, *Invest Radiol* 1986; 21: 427
Wolff GL; Joseph PM; Goldstein EJ: optimal pulsing sequences for MR contrast agents, *AJR* 1986; 147: 367
Wolff K-J See Hamm B
Wolff S; Markowitz SK: spontaneous gas formation in a sterile renal cell carcinoma, *Urol Radiol* 1988; 9: 222
Wolfe BK: contrast layering in a choledochal cyst: a new CT observation, *J Can Assoc Radiol* 1988; 39: 51
Wolfe BK; O'Keefe D; Mitchell DM; Tchang SPK: rheumatoid arthritis of the cervical spine: early and progressive radiographic features, *Radiology* 1987; 165: 145
Wolfe BK; Wallace JHK: pitfall to avoid: chorioangioma of the placenta simulating fetal tumor, *JCU* 1987; 15: 405
Wolfe JN See Parekh NJ
Wolfe JN: equipment choices for mammography, *Radiology* 1988; 166: 903
Wolfe JN: history and recent developments in xeroradiography of the breast, *Radiol Clin North Am* 1987; 25: 929
Wolfe JN; Buck KA; Salane M; Parekh NJ: xeroradiography of the breast: overview of 21,057 consecutive cases, *Radiology* 1987; 165: 305
Wolfe JN; Safitis AF; Salane M: mammographic parenchymal patterns and quantitative evaluation of mammographic densities: a case-control study, *AJR* 1987; 148: 1087
Wolfe OH See Patton JA
Wolfe SA See Altman NR
Wolfe WG See Iglehart JD
Wolferth C See Lee LI
Wolff AP See Michael MA
Wolff LJ See Ridgway D
Wolff SM See Dinarello CA
Wolfgang KR See Hill LM
Wolfman M See Fastakia B
Wolfman NT See Bechtold RE
Wolfman NT See Chen YM
Wolfman NT See Gelfand DW
Wolfman NT See Wall BE
Wolfman NT; Williams RW; Wall BE; et al: design modification of dedicated MR breast coil, *JCAT* 1986; 10: 893
Wolfman R See Dietemann JL
Wolfman-Gabel R; Mailloet C; Koritke JG: vascular pattern in the tela choroidea of the prosencephalon in man, *J Neuroradiol* 1987; 14: 10
Wolf-Rosenblum S See Orton CG
Wolfson BJ; Faerber EN; Truex RC Jr: "keyhole": sign of herniation of a trapped fourth ventricle and other posterior fossa cysts, *AJNR* 1987; 8: 473
Wolfson C See Leclerc JR
Wolfson JJ See Gyanani VL
Wolfson P See Mitchell DG
Wolfson RJ See Swartz JD
Wolfson RN; Feisner DB; Chik LL; et al: comparison of biparietal diameter and femur length in the third trimester: effects of gestational age and variation in fetal growth, *J Ultrasound Med* 1986; 5: 145
Wolfstein RS See Bicher HI
Wolfin PM See Cormier PJ
Wolinsky JS See Narayana PA
Wolkow HB; Chenery SG; Asche DR; McPeck EC; Hanks GE; Holmes TW: practical and technical considerations in establishing an intraoperative radiation therapy program in the community practice, *Radiology* 1988; 168: 255
Wollman MR See Blatt J
Wollman R See Geremia GK
Wollman R See Hatfield M
Wollmer F; Albrechtsson U; Brauer K; et al: measurement of pulmonary density by means of x-ray computerized tomography: relation to pulmonary mechanics in normal subjects, (ab), *Radiology* 1987; 162: 883

- Wollmer P; Jakobsson K; Albin M; et al: measurement of lung density by x-ray computed tomography: relation to lung mechanics in workers exposed to asbestos cement, (ab), *Radiology* 1988; 166: 291
- Wollmer P; Rhodes CG: positron emission tomography in pulmonary edema, *J Thorac Imag* 1988; 3-3: 44
- Wollner N See Mandell LR
- Wolman SL See Rose DB
- Wolochow MS: mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, *Radiology* 1987; 162: 879
- Wolpe FM; Khedkar NY; Gordon D; et al: tumoral calcinosis associated with sarcoidosis and positive bone and gallium imaging, *Clin Nucl Med* 1987; 12: 529
- Wolpert SM See Kwan ESK
- Wolpert SM See Runge VM
- Wolpert SM; Anderson M; Scott RM; et al: Chiari II malformation: MR imaging evaluation, *AJNR* 1987; 8: 783
- Wolpert SM; Kwan ESK; Heros D; Kasdon DL; Hedges TR III: selective delivery of chemotherapeutic agents with a new catheter system, *Radiology* 1988; 166: 547
- Wolpert SM; Osborne M; Anderson M; et al: bright pituitary gland—a normal MR appearance in infancy, *AJNR* 1988; 9: 1
- Wolpert SM; Scott RM; Runge VM; et al: difficulties in diagnosing congenital posterior fossa fluid collections after shunting procedures, *AJNR* 1987; 8: 653
- Wolverson MK See Helberg E
- Wolverson MK See Salimi Z
- Wolverson MK See Vas W
- Womack NR; Williams NS; Holmfeld JHM; et al: pressure and prolapse: the cause of solitary rectal ulceration, (ab), *Radiology* 1988; 167: 883
- Wong CS; Cummings BJ; Elhakim T; et al: external irradiation for squamous cell carcinoma of the nasal vestibule, *Int J Radiat Oncol Biol Phys* 1986; 12: 1943
- Wong HB See Yip WCL
- Wong JT-F; Hill RP: biophysical basis of hypoxic radioprotection by deoxygenated dextran-hemoglobin, *Int J Radiat Oncol Biol Phys* 1986; 12: 1303
- Wong JYC; Vora NL; Chou CK; et al: intracatheter hyperthermia and iridium-192 radiotherapy in the treatment of bile duct carcinoma, *Int J Radiat Oncol Biol Phys* 1988; 14: 353
- Wong K-P See Lok AS-F
- Wong L See Ngo C
- Wong L-C See Chan F-L
- Wong R See Kaczmarek RG
- Wong STS; Roos MS: effects of slice selection and diffusion on T₂ measurement, *Magn Res Med* 1987; 9: 358
- Wong W See Grant EG
- Wong W-H See Goldstein RA
- Wong W-H: PET camera performance design evaluation for BGO and BaF₂ scintillators (non-time-of-flight), *J Nucl Med* 1988; 29: 338
- Woo DV See Brady LW
- Woo E See Yu YL
- Woo E; Chan FL; Yu YL; et al: bulbar palsy aggravated by metrizamide CT cisternography, *Neuroradiology* 1987; 29: 219
- Woo E; Huang CY; Chan FL; et al: Claude's syndrome: clinical and computed tomography correlations, *CT* 1987; 11: 208
- Woo E; Yue CP; Mann KS; et al: intracerebral choroidomas: unusual computed tomography appearance of leukemic infiltration, *CT* 1986; 10: 365
- Woo JSK See Li DFH
- Woo JSK; Li DFH; Wan MCW; et al: intrauterine cystocentesis: simple procedure to relieve anatomic and physiologic dysfunction in the fetus, *JCU* 1986; 14: 474
- Woo JSK; Liang ST; Lo RLS; et al: Doppler blood flow velocity waveforms in alpha-thalassemia hydrops fetalis, *J Ultrasound Med* 1987; 6: 679
- Woo JSK; Liang ST; Lo RLS: significance of an absent or reversed end diastolic flow in Doppler umbilical artery waveforms, *J Ultrasound Med* 1987; 6: 291
- Woo JSK; Wan MCW: evaluation of fetal weight prediction using a simple equation containing the fetal femur length, *J Ultrasound Med* 1986; 5: 453
- Woo SY; Rice CG; Kapp DS; et al: predictive assay for human tumor cellular response to hyperthermia using dansyl lysine staining and flow cytometry, *Int J Radiat Oncol Biol Phys* 1988; 14: 361
- Wood AKW; Kundel HL; McGrath JT; et al: computed tomography, magnetic resonance imaging, and pathologic observations of the effects of intrathecal metrizamide and iohexol on the canine central nervous system, *Invest Radiol* 1987; 22: 672
- Wood BJ See Blumhagen JD
- Wood BJ See Machan L
- Wood BP See Johnson ND
- Wood BP See Listinsky JL
- Wood BP See Sheinfeld J
- Wood BP: anatomy of the infant head, *Radiology* 1986; 161: 622
- Wood BP: Caffey's pediatric x-ray diagnosis. integrated imaging approach. 2 vols., *Radiology* 1986; 158: 498
- Wood BP: infant ribs: generalized periosteal reaction resulting from vibrator chest physiotherapy, *Radiology* 1987; 162: 811
- Wood BP: pediatric magnetic resonance imaging, *Radiology* 1986; 161: 340
- Wood BP; Lane AT; Rabinowitz R: cutaneous reaction to contrast material, *Radiology* 1988; 169: 739
- Wood BP; Sinkin RA; Kendig JW; Nottter RH; Shapiro DL: exogenous lung surfactant: effect on radiographic appearance in premature infants, *Radiology* 1987; 165: 11
- Wood CH; Jeane WD; Cookham HR: case report. Moyamoya disease: unusual cause of cerebral infarction, *Clin Radiol* 1986; 37: 289
- Wood GW See Abrahams JJ
- Wood GW See Bie B
- Wood GW See Wagie WA
- Wood MJ: hernia mimicking testicular torsion, *Clin Nucl Med* 1987; 12: 142
- Wood ML See Runge VM
- Wood ML; Henkelman RM: magnetic field dependence of the breathing artifact, *Magn Res Imag* 1986; 4: 387
- Wood ML; Runge VM: application of image enhancement techniques to magnetic resonance imaging, *Radiographics* 1988; 8: 771
- Wood ML; Runge VM; Henkelman RM: overcoming motion in abdominal MR imaging, *AJR* 1988; 150: 513
- Wood VE See Mahoney MD
- Wood WC See Kopans DB
- Wood WC See Tepper JE
- Wood WE See Cibis GW
- Woodall BH; Winfield DF; Bisset GS III: complications due to inadvertent tracheobronchial placement of feeding tubes: reply, *Radiology* 1988; 167: 876
- Woodall BH; Winfield DF; Bisset GS III: inadvertent tracheobronchial placement of feeding tubes, *Radiology* 1987; 165: 727
- Woodard HQ See Havas AG
- Woodard HQ See White DR
- Woodard ML See Petrozso PJ
- Woodcock M See Watts ME
- Woodham CH See Gupta R
- Woodhead MA; Macfarlane JT: Legionnaires' disease: review of 79 community acquired cases in Nottingham, (ab), *Radiology* 1987; 162: 885
- Woodring JH See Cross G
- Woodring JH See Lee C
- Woodring JH: computed tomography mucous bronchogram sign, *CT* 1988; 12: 165
- Woodring JH: determining the cause of pulmonary atelectasis: a comparison of plain radiography and CT, *AJR* 1988; 150: 757
- Woodring JH: round atelectasis, *Australas Radiol* 1987; 31: 144
- Woodring JH; Fried AM: nonfatal venous air embolism after contrast-enhanced CT, *Radiology* 1988; 167: 405
- Woodring JH; Olson MA: computed tomography of the superior intercostal veins, *CT* 1987; 11: 327
- Woodring JH; Vandiviere HM; Fried AM; et al: update: radiographic features of pulmonary tuberculosis, *AJR* 1986; 146: 497
- Woodruff KH; Lyman JT; Fabrikant JE: heavy charged-particle induced lesions in rabbit cerebral cortex, *Int J Radiat Oncol Biol Phys* 1988; 14: 301
- Woodruff WW See Gamba JL
- Woodruff WW III See Sussman SK
- Woodruff WW III; Carroll BA: inadvertent iatrogenic introduction of air into myometrium: sonographic demonstration, *J Ultrasound Med* 1988; 7: 49
- Woodruff WW III; Merten DF; Wagner ML; Kirks DR: chronic pulmonary embolism in children, *Radiology* 1986; 159: 511
- Woodruff WW Jr; Djang WT; McLendon RE; Heinz ER; Voorhees DR: intracerebral malignant melanoma: high-field-strength MR imaging, *Radiology* 1987; 165: 209
- Woodruff WW Jr; Djang WT; Voorhees DR; et al: calvarial destruction: an unusual manifestation of glioblastoma multiforme, *AJNR* 1988; 9: 388
- Woodruff WW Jr; Heinz ER; Djang WT; et al: hyperprolactinemia: unusual manifestation of suprasellar cystic lesions, *AJNR* 1987; 8: 113
- Woodruff WW Jr; Yeates AE; Dent GA: ventricular shunt therapy of the brain: long-term rubber-catheter-induced inflammation, *Radiology* 1986; 158: 171
- Woodruff WW Jr; Yeates AE; McLendon RE: perineural tumor extension to the cavernous sinus from superficial facial carcinoma: CT manifestations, *Radiology* 1986; 161: 395
- Woods AJ See du Boulay GH
- Woods D; Franic S; Lighter M; et al: benign, atrumatic, bronchoesophageal fistulae, *J Canad Assoc Radiol* 1988; 39: 68
- Woods DM; Wright KC; Carrasco CH; et al: experimental enhancement of drug uptake using short-term flow occlusion: comparison of balloon and tourniquet techniques, *AJR* 1986; 146: 375
- Woods E: principles of extracorporeal shock wave lithotripsy, *Radiology* 1988; 168: 126
- Woods WG; Tuchman M: neuroblastoma: the case for screening infants in North America, (ab), *Radiology* 1987; 165: 591
- Woodside JR See Monsein LH
- Woodson GE; Robbins KT; Michaels L: inverted papilloma: considerations in treatment, (ab), *Radiology* 1986; 161: 863
- Woodward DJ See Schlusberg DS
- Woodward JE See Nash JD
- Woodward KG; Weinberg PE; Lipton HL: basal ganglia involvement in subacute sclerosing panencephalitis: CT and MR demonstration, *JCAT* 1988; 12: 489
- Woody RC See Golden GS
- Woolfenden JM See Donohoe KJ
- Woolfenden JM; Carrasquillo JA; Larson SM; Simmons JT; Masur H; Smith PD; Shelhamer JH; Ognibene FP: acquired immunodeficiency syndrome: Ga-67 citrate imaging, *Radiology* 1987; 162: 383
- Woolfitt B See Aristizabal SA
- Woolley MM See Stanley P
- Woolsey EJ See Glazer GM
- Woolsey EJ; Tauscher JR; Dafos DC: pancreas transplantation with pancreaticoduodenectomy for exocrine drainage: cystographic findings, *AJR* 1987; 149: 507
- Worah D See Pflugfelder PW
- Work BA Jr: ethical dilemmas in reproductive medicine, *Invest Radiol* 1988; 23: 404
- Working KR See Ling CC
- Working Group on Renal Vascular Hypertension: detection, evaluation, and treatment of renovascular hypertension: final report, (ab), *Radiology* 1987; 165: 589
- Workman A See Cuwen AR
- Workman F See Honess DJ
- Workman F See Lee FYF
- Workman F See Newman HFV
- Worlicek H; Lutz H; Heyder N; et al: ultrasound findings in Crohn's disease and ulcerative colitis: prospective study, *JCU* 1987; 15: 153
- Worlock P: supracondylar fractures of the humerus: assessment of cubitus varus by the Baumann angle, (ab), *Radiology* 1987; 163: 591
- Woronick CL See Maderazo EG
- Worham DG See Lufkin RB
- Worham DG See Teresi LM
- Worthen NJ; Gilbertson V; Lau C: cortical sulcal development seen on sonography: relationship to gestational parameters, *J Ultrasound Med* 1986; 5: 153
- Worthen NJ; Gunning JE: percutaneous drainage of pelvic abscesses: management of the tubo-ovarian abscess, *J Ultrasound Med* 1986; 5: 551
- Worthington BS See Jaspas T
- Worthington BS See Mawhinney RR
- Worthington BS See Powell MC
- Worthington BS; Wright JE; Curati WL; et al: role of magnetic resonance imaging techniques in the evaluation of orbital and ocular disease, *Clin Radiol* 1986; 37: 219
- Worthington C See Theron J
- Worthington C; Caron J-L; Melanson D; et al: meningioma cysts, (ab), *Radiology* 1986; 161: 863
- Worthington JL See Siegel MJ
- Worthington JL; Balfé DM; Lee JKT; Gensell DJ; Heiken JP; Ling D; Glazer HS; Jacobs AJ; Kao MS; McClelland BL: uterine neoplasms: MR imaging, *Radiology* 1986; 159: 725
- Worthington JL; Shackelford GD; Cole BK; et al: sonographically detectable cysts in polycystic kidney disease in newborn and young infants, *Pediatr Radiol* 1988; 18: 287
- Worthington-Kirsch RL; Raptopoulos V; Cohen IT: sequential bilateral torsion of normal ovaries in a child, *J Ultrasound Med* 1986; 5: 663
- Worthy L; Miller EJ; Chinn DH: evaluation of extratesticular findings in scrotal neoplasms, *J Ultrasound Med* 1986; 5: 261
- Wortman JA; Alavi A; Attie M; et al: quantitative autoradiography of parathyroid glands in rats with carbon-14-labeled amino acids, *J Nucl Med* 1987; 28: 1447
- Wortzman G See Rooney MS
- Wouters JMGW; Reekers P; van de Putte LBA: adult-onset Still's disease: disease course and HLA associations, (ab), *Radiology* 1986; 161: 575
- Wozney P; Zajko AB; Bron KM; et al: vascular complications after liver transplantation: 5-year experience, *AJR* 1986; 147: 657

- Wright EP See Collart RS
Wright P See Clarke SEM
Wray AB See Abu-Yousef MM
Wray S See Tofts PS
Wrenn EL Jr See Tonkin ILD
Wriedt CHR See Fexman JHW
Wright A See Enzmann DR
Wright A See Guthaner DF
Wright A See Rubin JB
Wright DC See Di Chiro G
Wright DC See Frank JA
Wright DC See Yuh WTC
Wright DC; Yuh WTC; Thompson HS; et al: bilateral microphthalmos with orbital cysts: MR findings, *JCAT* 1987; 11: 727
Wright GL; Smith RJH; Katz CD; et al: benign parotid diseases of childhood, (ab), *Radiology* 1986; 159: 823
Wright HR Jr See Timmons JH
Wright JE See Krohel GB
Wright JE See Worthington BS
Wright JK: emergency planning, *Br J Radiol* 1987; 60: 1177
Wright JL See Churg A
Wright JL See Magee F
Wright JL See Müller NL
Wright JM See Ammann W
Wright JP See Gilinsky NH
Wright JR Jr See McAllister WH
Wright JW See McArdle CB
Wright KC See Bechtel W
Wright KC See Charnsangavej C
Wright KC See Duprat G Jr
Wright KC See Lawrence DD Jr
Wright KC See Pan G
Wright KC See Rollins N
Wright KC See Wallace MJ
Wright KC See Woods DM
Wright KC See Yoshioka T
Wright KC; Wallace S; Charnsangavej C; et al: flow-directed catheter for superselective arterial catheterization: experimental evaluation, *Cardiovasc Intervent Radiol* 1986; 9: 54
Wright LL; Baker KR; Meny RG: ultrasound demonstration of gastroesophageal reflux, *J Ultrasound Med* 1988; 7: 471
Wright PG See Kauda JV
Wright PG See Williams JL
Wright RM See Hanigan WC
Wright RM See Wright SM
Wright SM See Hanigan WC
Wright SM See Magin RL
Wright SM; Wright RM: multi-plane scout sequence using FLASH imaging, *Magn Res Imag* 1988; 6: 105
Wu A See Lin P-S
Wu A; Siegel MJ: sonography of pelvic masses in children: diagnostic predictability, *AJR* 1987; 148: 1199
Wu A; Sternick ES; Shahabi S; et al: technique for delivering uniform dose at the junction of two spinal fields, *Br J Radiol* 1986; 59: 929
Wu AC; Gullula LA: distal phalangeal brachydactyly secondary to healed renal osteodystrophy, *Skeletal Radiol* 1987; 16: 312
Wu C-C: sonographic findings of generalized meconium peritonitis presenting as neonatal ascites, *JCU* 1988; 16: 48
Wu C-C; Chow K-S; Lü T-N; et al: sonographic features of tuberculous omental cakes in peritoneal tuberculosis, *JCU* 1988; 16: 195
Wu D See Littner PJ
Wu E-H; Tang Y-S; Zhang Y-T; et al: CT in diagnosis of acoustic neuromas, *AJNR* 1986; 7: 645
Wu F; Snow B; Taylor A Jr: potential pitfall of DMSA scintigraphy in patients with ureteral duplication, *J Nucl Med* 1986; 27: 1154
Wu J-L See Baldwin RM
Wu J-T See Mason KA
Wu P See Jackson IMD
Wu PYK See Walther FJ
Wu S See Auffermann W
Wu S-Y; Brown T; Milne N; et al: iodine 131 total body scan—extrathyroidal uptake of radioiodine, *Semin Nucl Med* 1986; 16: 82
Wu S-Y; Kollin J; Coodley E; et al: I-131 total-body scan: localization of disseminated gastric adenocarcinoma. case report and survey of the literature, (ab), *Radiology* 1986; 158: 567
Wu T-T See Sheu J-C
Wu WC See Chen YM
Wu WC See Ott DJ
Wu WC See Richter JE
Wu XL See Yin ZY
Wu-Connolly L See Wallis JW
Wujanto R; Lawson RS; Prescott MC; et al: importance of using anterior and posterior views in the calculation of differential renal function using ^{99m}Tc -DMSA, *Br J Radiol* 1987; 60: 869
Wulff K; Heger L: CT of the calcaneus, *Semin US CT MR* 1986; 7: 362
Wunsch P See Rempen A
Wurschmidt F See Beck-Bornholdt H-P
Wurschmidt F; Vogler H; Beck-Bornholdt H-P: radiotherapy of the rhabdomyosarcoma R1H of the rat: the influence of the number of fractions on tumor and skin response, *Int J Radiat Oncol Biol Phys* 1988; 18: 497
Wyatt J See Chalmers AG
Wyatt SH See Powers TA
Wycliffe ND; Savolaine ER: computed tomography evaluation of subependymal cortical heterotopia: a case report, *CT* 1987; 11: 312
Wyker AW See Kellum CD
Wyker AW See Tegtmeyer CJ
Wyly JB See Atkinson GO; Jr
Wyly JB See Ball TI
Wyly JB See Davis PC
Wyly JB See Hoffer FA
Wyman SM: RSNA and its sister societies, *Radiology* 1987; 163: 404
Wynchank S See Cremin BJ
Wynn-Williams G See Reasbeck J
Wyns W See Rousseau MF
Wyper D See Condon BR
Wysenbeek AJ See Mor F
Wyshak G See Hall FM
- X**
- Xerra A See Serra S
Xiang-song L See De-en H
Xipell JM; Beamish MR; Clark D: case report 432, *Skeletal Radiol* 1987; 16: 425
Xipell JM; McConchie I; Wallis PL: case report 447, *Skeletal Radiol* 1987; 16: 597
Xuan JA See Shine NR
Xuan Z See Delius M
Xue L-y See Chiu S-m
- Y**
- Yabuuchi I See Matsuda Y
Yaes RJ: some implications of the linear quadratic model for tumor control probability, *Int J Radiat Oncol Biol Phys* 1988; 14: 147
Yaes RJ; Kalend A: local stem cell depletion model for radiation myelitis, *Int J Radiat Oncol Biol Phys* 1988; 14: 1247
Yaffe MJ; Johns PC; Nishikawa RM; Mawdsley GE; Caldwell CB: anthropomorphic radiologic phantoms, *Radiology* 1986; 158: 550
Yagan R: needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls, *Radiology* 1987; 163: 284
Yagan R; Radivoyevitch MA; Khan MA: double cortical line in the acetabular roof: a sign of disuse osteoporosis, *Radiology* 1987; 165: 171
Yagan R; Radivoyevitch MA; Khan MA: double cortical line in the acetabular roof: a sign of disuse osteoporosis: reply, *Radiology* 1988; 167: 873
Yagan R; Wiesen E; Bellon EM: difficult mammographic needle localizations: use of alternate orthogonal projections, *Radiology* 1987; 163: 829
Yaghamai I See Hansen GC
Yaghamai I See Ngo C
Yaghamai I: spine changes in neurofibromatosis, *Radiographics* 1986; 6: 261
Yaghamai I; Foster WC: case report 404, *Skeletal Radiol* 1987; 16: 153
Yaghoobian J See Epstein S
Yaghoobian J See Ramanathan K
Yaghoobian J: sonographic appearance of artificial urinary sphincter, *J Ultrasound Med* 1987; 6: 711
Yaghoobian J; Comrie M: transitory bilateral isolated fetal pleural effusions, *J Ultrasound Med* 1988; 7: 231
Yaghoobian J; Finck RL; Ramanathan K; et al: sonographic demonstration of simultaneous intrauterine and extrauterine gestation, *J Ultrasound Med* 1986; 5: 309
Yaghoobian J; Zinn D; Ramanathan K; et al: ultrasound and computed tomographic findings in aggressive angiomatosis of the uterine cervix, *J Ultrasound Med* 1987; 6: 209
Yagisawa H See Ishida H
Yagura H See Komiya M
Yahalom M See Or I
Yahiku PY See Smith DC
Yakabe S See Taguchi T
Yakes WF: percutaneous retrieval of Kimray-Greenfield filter from right atrium and placement in inferior vena cava, *Radiology* 1988; 169: 849
Yakes WF; Pevsner P; Reed M; et al: serial embolizations of an extremity arteriovenous malformation with alcohol via direct percutaneous puncture, *AJR* 1986; 146: 1038
Yalaz K See Anlar B
Yam LT See Huang T-Y
Yamabayashi H See Shioya S
Yamada H See Sakai N
Yamada K See Touho H
Yamada N See Nakamura T
Yamada T See Furukawa T
Yamada T See Muramatsu Y
Yamada T See Takayasu K
Yamada T; Tada S; Harada J: aortic dissection without intimal rupture: diagnosis with MR imaging and CT, *Radiology* 1988; 168: 347
Yamagata H See Tropp JS
Yamagata S See Minami S
Yamagishi M See Miyatake K
Yamaguchi A See Matsui O
Yamaguchi H See Ishigaki T
Yamaguchi M; Takeuchi S; Matsuo S-I: ultrasonic evaluation of pediatric superficial masses, *JCU* 1987; 15: 107
Yamakita I See Vink R
Yamakita N; Yasuda K; Goshima E; et al: comparative assessment of ultrasonography and computed tomography in adrenal disorders, *Ultrasound Med Biol* 1986; 12: 23
Yamakita N; Yasuda K; Miura K: delineation of adrenal in controls and nontumorous adrenal disorders by real-time ultrasonic-scanner, *Ultrasound Med Biol* 1986; 12: 107
Yamamoto H See Soejima T
Yamamoto I See Aoki J
Yamamoto I See Kanoh T
Yamamoto I See Tonami H
Yamamoto I; Matsumae M; Ikeda A; et al: thoracic spinal stenosis: experience with seven cases, (ab), *Radiology* 1988; 169: 294
Yamamoto K See Aihara T
Yamamoto K See Hayashi N
Yamamoto K; Sum P; Brill AB; et al: dual tracer autoradiographic study of β -methyl-(1- ^{14}C) heptadecanoic acid and 15-p-(^{131}I)-iodophenyl- β -methylpentadecanoic acid in normotensive and hypertensive rats, *J Nucl Med* 1986; 27: 1178
Yamamoto LY See Meyer E
Yamamoto M See Matsushima K
Yamamoto S See Akira M
Yamamoto S; Amano M; Miura S; et al: deadtime correction method using random coincidence for PET, *J Nucl Med* 1986; 27: 1925
Yamamoto S; Kojoh K; Saito I; et al: computer tomography of congenital absence of the left lobe of the liver, *JCAT* 1988; 12: 206
Yamamoto S; Miura S; Iida H; et al: BGO detector unit for a stationary high resolution positron emission tomograph, *JCAT* 1986; 10: 851
Yamamoto T See Todo Y
Yamamoto Y See Asari S
Yamamoto Y; Asari S; Sadamoto K: computed angiography of the brain: normal and normal variations of cerebral vessels, *Comput Radiol* 1986; 10: 71
Yamamoto Y; Asari S; Sunami N; et al: computed angiography of unruptured cerebral aneurysms, *JCAT* 1986; 10: 21
Yamamoto YL See Tyler JL
Yamamura H See Iishi H
Yamanaka C; Hirohata T; Kiya K; et al: basilar bifurcation aneurysm associated with bilateral internal carotid occlusion, *Neuroradiol* 1987; 29: 84
Yamanaka WK See Beitler MK
Yamanashi WS See Baldwin BA
Yamanashi WS See Barnes PD
Yamanashi WS; Patil AA; Valentine JL; et al: electromagnetically induced focused heat in the treatment of surgically created aneurysm models, *Invest Radiol* 1987; 22: 574
Yamaoka Y See Hayashi N
Yamasaki K See Sugimura K
Yamasaki T See Shinotoh H
Yamasaki T; Handa H; Yamashita J; et al: intracranial and orbital cavernous angiomatosis: review of 30 cases, (ab), *Radiology* 1987; 162: 589
Yamashita J See Shibamoto Y
Yamashita J See Yamasaki T
Yamashita K See Hayakawa K
Yamashita K See Minami S
Yamashita K See Noma S
Yamashita S See Yonei A
Yamashita S; Kondo M; Inuyama Y; et al: improved survival of patients with nasopharyngeal squamous cell carcinoma, *Int J Radiat Oncol Biol Phys* 1986; 12: 307
Yamashita Y; Takahashi M; Bussaka H; et al: cerebral vasculitis secondary to Wegener's granulomatosis: computed tomography and angiographic findings, *CT* 1986; 10: 115
Yamashita Y; Takahashi M; Tsuji A; et al: primary carcinoid tumor of the liver: case report, *CT* 1986; 10: 313
Yamato M; Fuhrman CR: computed tomography of fatty replacement in extramedullary hematopoiesis, *JCAT* 1987; 11: 541

- Yamato M; Ido K; Izutsu M; et al: CT and ultrasound findings of surgically retained sponges and towels. *JCAT* 1987; 11: 1003
- Yamato M; Lecky JW; Hiramatsu K; Kohda E; Takayasu arthritis: radiographic and angiographic findings in 59 patients. *Radiology* 1986; 161: 329
- Yamauchi T See Furui S
- Yamauchi T See Itai Y
- Yamauchi T See Tsuchiya K
- Yamauchi T; Furui S; Ohtomo K; et al: stereoscopic digital subtraction angiography of hepatic artery and vein. *AJR* 1987; 148: 825
- Yamauchi T; Itai Y; Furui S; et al: prominent collateral vein in portal hypertension mimicking liver tumours: a pitfall in computed tomography. *Br J Radiol* 1987; 60: 531
- Yamazaki T See Sukigara M
- Yamazaki Y; Eguchi S; Terashima M; et al: inferior vena caval obstruction: transvenous instrumental membranotomy. *Cardiovasc Intervent Radiol* 1988; 11: 18
- Yanagisawa S See Sakai F
- Yancey JM See Feaster SH
- Yancey JM; Ackerman N; Kaude JV; et al: gadolinium-DTPA enhancement of VX-2 carcinoma of the rabbit kidney on T1 weighted magnetic resonance images. *Acta Radiol* 1987; 28: 479
- Yancey JM; Kaude JV: diagnosis of perirenal fibrosis by MR imaging. *JCAT* 1988; 12: 335
- Yanch JC; Irvine AT; Webb S; et al: deconvolution of emission tomographic data: a clinical evaluation. *Br J Radiol* 1988; 61: 221
- Yandow D See Pozniak MA
- Yandow DR See Light MC
- Yang A See Beltran J
- Yang A See Zerhouni EA
- Yang C-F See Shen W-C
- Yang CJC See Barloon TJ
- Yang CJC; Murakami J; Lu CH; Franken EA Jr: general case of the day: annual meeting, 1986. *Radiographics* 1987; 7: 609
- Yang DC; Patel D; Babaria A; et al: demonstration of parotid maxillary sinus nasal fistula by radionuclide salivary imaging. *Clin Nucl Med* 1987; 12: 411
- Yang HM See Beaumier PL
- Yang K-TA; Thompson CJ; Mena I: automatic ventricular edge detection for determination of left ventricular volumes, ejection fraction and regional ejection fractions from first pass radioisotope angiography. *Comput Med Imag Graph* 1988; 12: 147
- Yang N-C See Leichter FK
- Yang N-C; Leichter FK; Fishman EK; et al: CT volumetrics of primary liver cancers. *JCAT* 1986; 10: 621
- Yang PJ See Burt TB
- Yang PJ See Carmody RF
- Yang PJ See Johnson JE
- Yang PJ; Burt TB; Strifol DD; Seeger JF: intracranial non-Hodgkin lymphoma occurring after treatment of Hodgkin disease. *Radiology* 1986; 161: 541
- Yang PJ; Carmody RF; Seeger JF: computed tomography in hematologic malignancies of paranasal sinuses. *JCAT* 1986; 10: 1003
- Yang PJ; Graham AR; Carmody RF; et al: intracranial mass in a neonate. *Invest Radiol* 1986; 21: 360
- Yang PJ; Halbach VV; Higashida RT; et al: platinum wire: a new transvascular embolic agent. *AJNR* 1988; 9: 547
- Yang PJ; Reger KM; Seeger JF; et al: brain abscess: an atypical CT appearance of CNS tuberculosis. *AJNR* 1987; 8: 919
- Yang PJ; Seeger JF; Carmody RF; et al: cerebellopontine angle lymphoma. *AJNR* 1987; 8: 368
- Yang PJ; Seeger JF; Carmody RF; et al: chondroma of falx: CT findings. *JCAT* 1986; 10: 1075
- Yang PJ; Seeger JF; Carmody RF; et al: Horner's syndrome secondary to traumatic pseudoaneurysms. *AJNR* 1986; 7: 913
- Yang PJ; Seeger JF; Dzibba RB; et al: high-dose IV contrast in CT scanning of the postoperative lumbar spine. *AJNR* 1986; 7: 703
- Yang PJ; Seeley GW; Carmody RF; et al: conventional vs computed radiography: evaluation of myelography. *AJNR* 1988; 9: 165
- Yang P-M See Shu J-C
- Yang S-J; Rafia S; Yousef E; Selim H; Salloum N; Chuang JY: changes in T-cell subsets after radiation therapy. *Radiology* 1988; 168: 537
- Yang S-L See Kim SM
- Yang SL See Ralsis IP
- Yang S-L See Wechsler RJ
- Yang SSL See Levy LM
- Yang WC See Liu H-M
- Yankasak BC; Staab EV; Craven MB; et al: delayed complications from fine-needle biopsies of solid masses of the abdomen. *Invest Radiol* 1986; 21: 325
- Yankellevitz DF See Lisann NM
- Yankes JR; Baker ME; Cooper C; et al: CT appearance of focal pseudomembranous colitis. *JCAT* 1988; 12: 394
- Yankes JR; Bowie JD; Effmann EL; et al: antenatal diagnosis of meconium peritonitis with inguinal hernias by ultrasonography. therapeutic implications. *J Ultrasound Med* 1988; 7: 221
- Yankes JR; Uglietta JF; Grant J; et al: percutaneous transhepatic recanalization and thrombolysis of the superior mesenteric vein. *AJR* 1988; 151: 289
- Yanoff M See Zimmerman RA
- Yao JST See Limpert JD
- Yao JST See Vogelzang RL
- Yao L See Lee JK
- Yao L; Lee JK: case report 494. *Skeletal Radiol* 1988; 17: 378
- Yao L; Lee JK: occult intracerebral fracture: detection with MR imaging. *Radiology* 1988; 167: 749
- Yao T See Iida M
- Yap LY See Karim ABMF
- Yap S See Puvanawary M
- Yaqub BA; Dalf AK; Panayiotopoulos CP: pancrerebellar syndrome in heat stroke: clinical course and CT scan findings. *Neuroradiol* 1987; 29: 294
- Yardley JH See Jessurun J
- Yarkoni S; Reece EA; Wan M; et al: intrapartum fetal weight estimation: comparison of three formulae. *J Ultrasound Med* 1986; 5: 707
- Yarnold JR See Hoskin FJ
- Yaru N See Hayward I
- Yashiro N See Ohtomo K
- Yasuda H See Shilina S
- Yasuda H See Takada T
- Yasuda K See Yamakita N
- Yasuda T See Khaw BA
- Yasuda Y; Dokoh S; Seko K; et al: autosomal dominant osteoclerosis associated with familial spinal canal stenosis. (ab). *Radiology* 1987; 163: 293
- Yasue H See Toubho H
- Yasumori K See Hasuo K
- Yasumoto M See Suzuki T
- Yasumoto M; Shibuya H; Goto Y; et al: primary saphenous venous aneurysms presenting in a child. *Clin Nucl Med* 1987; 12: 29
- Yasunaga T; Takada C; Uozumi H; et al: radiotherapy of spontaneous carotid-cavernous sinus fistulas. *Int J Radiat Oncol Biol Phys* 1987; 13: 1909
- Yasunaga T; Takahashi M; Uozumi H; et al: radiation therapy of primary malignant lymphoma of the brain. *Acta Oncol* 1986; 25: 23
- Yatco R See Schulman ML
- Yates CK; Streight RA: focal fatty infiltration of the liver simulating metastatic disease. *Radiology* 1986; 159: 83
- Yardi R; Cote C: watershed infarction in a case of polycythemia vera. *Clin Nucl Med* 1986; 11: 665
- Yeager AM; Kanof ME; Kramer SS; et al: pneumatosis intestinalis in children after allogeneic bone marrow transplantation. *Pediatr Radiol* 1987; 17: 18
- Yeager BA See Grenier N
- Yeager BA; Guglielmi GE; Schiebler ML; et al: magnetic resonance imaging of Morgagni hernia. *Gastrointest Radiol* 1987; 12: 296
- Yeager BA; Schiebler ML; Wertheim SB; et al: MR imaging of osteoid osteoma of the talus. *JCAT* 1987; 11: 916
- Yeakel K See McKenna WG
- Yeakley JW See Ghorayeb BY
- Yeakley JW See Mayer JS
- Yeakley JW See Van Tassel P
- Yeakley JW; Kulkarni MV; McArdle CB; et al: high-resolution MR imaging of juxtasellar meningiomas with CT and angiographic correlation. *AJNR* 1988; 9: 279
- Yeakley JW; Lee KF; Patchall LL: modified scalp vein needle for arterial puncture in infants. *AJNR* 1986; 7: 517
- Yeakley JW; Patchall LL; Lee KF: interpeduncular fossa sign: CT criterion of subarachnoid hemorrhage. *Radiology* 1986; 158: 699
- Yeates AE See Gamba JL
- Yeates AE See Salomon A
- Yeates AE See Woodruff WW Jr
- Yedlicka J See Gray R
- Yedlicka JW Jr; Cormier MG; Gray R; et al: computed tomography of superior vena cava obstruction. *J Thorac Imag* 1987; 2: 72
- Yee A See Gray RR
- Yee AC See Ho C-S
- Yee AC See Matzinger FRK
- Yee ACN See Rawas MM
- Yee ACN; Gopinath N; Ho C-S; et al: fine-needle aspiration biopsy of adrenal tuberculosis. *J Canad Assoc Radiol* 1986; 37: 287
- Yee ACN; Ho C-S: complications of percutaneous biliary drainage: benign vs malignant diseases. *AJR* 1987; 148: 1207
- Yee J See Raghavendra BN
- Yegashankaran S See Burbank FH
- Yeh H-C See Hermann G
- Yeh H-C See Ruchman RB
- Yeh H-C: adrenal gland and nonrenal retroperitoneum. *Urol Radiol* 1987; 9: 127
- Yeh H-C; Futterweit W; Thornton JC: polycystic ovarian disease: US features in 104 patients. *Radiology* 1987; 163: 111
- Yeh H-C; Goodman JD; Carr L; Rabinowitz JG: intrauterine sign: US criterion of early intrauterine pregnancy. *Radiology* 1986; 161: 463
- Yeh H-C; Goodman JD; Rabinowitz JG: floating gallstones in bile without added contrast material. *AJR* 1986; 146: 49
- Yeh H-C; Rabinowitz JG: amniotic sac development: ultrasound features of early pregnancy—the double bleb sign. *Radiology* 1988; 166: 97
- Yeh JK See Aloia JF
- Yeh SDJ See Divgi CR
- Yeh SDJ See Kossleigh MA
- Yeh SDJ; Helson L; Benua RS: correlation between iodine-131 MIBG imaging and biological markers in advanced neuroblastoma. *Clin Nucl Med* 1988; 13: 46
- Yeh SDJ; Morse MJ; Grando R; et al: lymphoscintigraphic studies of lymphatic drainage from the testes. *Clin Nucl Med* 1986; 11: 823
- Yeh SDJ; White DA; Stover-Pepe DE; et al: abnormal gallium scintigraphy in pulmonary alveolar proteinosis (PAF). *Clin Nucl Med* 1987; 12: 294
- Yeh S-H See Liu R-S
- Yellin A; Benfield JR: pneumothorax associated with lymphoma. (ab). *Radiology* 1987; 162: 885
- Yellin A; Hill LR; Benfield JR: bronchogenic carcinomas associated with upper aerodigestive cancers. (ab). *Radiology* 1987; 162: 884
- Yellin AE See Harch JM
- Yellin JA: cystlike lesions of the pancreatic region on computed tomography. *Semin Roentgenol* 1987; 22: 82
- Yen C-K; Pollock M; Crass R; et al: portosystemic shunt fraction quantification with colonic iodine-123 iodoamphetamine. *J Nucl Med* 1986; 27: 1321
- Yen T-C See Liu R-S
- Yen TSB See Bretan PN Jr
- Yenerich DO; Houghton VM: oblique plane MR imaging of the cervical spine. *JCAT* 1986; 10: 823
- Yeoh CB See Brown KT
- Yeoh EK See Denham JW
- Yeoh EK; Horowitz M: radiation enteritis. (ab). *Radiology* 1988; 167: 586
- Yeoh EK; Spittle MF: treatment of carcinoma of the cervix and poor-risk endometrial carcinoma using the Cathetron at the Middlesex Hospital: experience since 1979. *Clin Radiol* 1986; 37: 165
- Yeom KM See Im J-G
- Yeom KM See Park JH
- Yernault J-C; Kuhn G; Dumortier F; et al: "solid" mediastinal bronchogenic cyst: mineralogic analysis. *AJR* 1986; 146: 73
- Yessier R: histopathology of lung cancer. *Semin US CT MR* 1988; 9: 4
- Yester MB See Russell CD
- Yester MV See Chakraborty DP
- Yester MV See Gray JE
- Yester MV See Niklasen LT
- Yetkin E See Derin H
- Yetkin Z; Chintapalli K; Daniels DL; et al: gas in spinal articulations. *Neuroradiol* 1986; 28: 150
- Yeung E See Adam A
- Yeung E See Gibson RN
- Yeung EYC; Adam A; Gibson RN; Benjamin IS; Allison DJ: spiral-shaped biliary endoprosthesis: initial study. *Radiology* 1988; 168: 365
- Yeung HN See Hopkins AL
- Yeung HN See Kormos DW
- Yeung HN; Kormos DW: separation of true fat and water images by correcting magnetic field inhomogeneity in situ. *Radiology* 1986; 159: 783
- Yeung HN; Kormos DW; Sebok DA: single-acquisition chemical-shift imaging of a binary system with use of stimulated echoes. *Radiology* 1988; 167: 537
- Yeung HN; Lent AH: proton transverse relaxation rate of ^{17}O -enriched water. *Magn Res Med* 1987; 5: 87
- Yeung SC: case of the season. *Semin Roentgenol* 1986; 21: 5
- Yiannikas J See Bellamy GR
- Yiengpruksawan A; Ganepola GAF; Freeman HF: tendinous intersection as an unusual site for portosystemic anastomosis: an ultrasonographic observation. *JCU* 1987; 15: 265
- Yiengpruksawan A; Pow-Anpongkul S; Ganepola GAF; et al: echogenic wound abscess mimicking hepatic mass on ultrasonography. *JCU* 1986; 14: 376

- Yilmaz A; Chu SC; Osmanoglu S: dependence of the solvent proton $1/T_1$ on the iron content in normal human serum, *Magn Res Med* 1988; 7: 337
- Yin ZY; Wu XL; Hu YH; et al: cylindroma of the nasopharynx: chronic disease, *Int J Radiat Oncol Biol Phys* 1986; 12: 23
- Yip CH See Mohd TBH
- Yip CK See Peterson MW
- Yip WCL; Tay JSH; Wong HB: sonographic diagnosis of infantile hypertrophic pyloric stenosis: critical appraisal of reliability and diagnostic criteria, (ab), *Radiology* 1986; 159: 570
- Ylinen S-L See Raininko R
- Yobbagy JJ; Levatter R; Sisson JC; et al: scintigraphic portrayal of the syndrome of multiple endocrine neoplasia type-2B, *Clin Nucl Med* 1988; 13: 433
- Yochmowitz MG See Cordeis RE
- Yochum TR See Howe JW
- Yoder IC See Grant DC
- Yoder IC See Kushner DC
- Yoder IC See Papanicolaou N
- Yoder IC See Pfister RC
- Yohem KH; Bregman MD; Meyskens FL Jr: effect of tumor colony definition on ionizing radiation survival curves of melanoma-colony forming cells, *Int J Radiat Oncol Biol Phys* 1987; 13: 1725
- Yokota K See Yonei A
- Yokota T See Morita S
- Yokoyama A See Arano Y
- Yokoyama K See Carrasquillo JA
- Yokoyama N; Nagayama Y; Kakezono F; et al: determination of the volume of the thyroid gland by a high resolution ultrasonic scanner, *J Nucl Med* 1986; 27: 1475
- Yonas H See Darby JM
- Yonas H See Latchaw RE
- Yonei A; Yokota K; Yamashita S; et al: ultrasound-guided catheterization of the subclavian vein, *JCU* 1988; 16: 499
- Yonekawa Y See Fujisawa I
- Yonekura Y See Murata K
- Yonekura Y See Senda M
- Yonekura Y See Tamaki N
- Yoneya M See Mineura K
- Yong-Sik L See Akira M
- Yoo HS See Park CH
- Yoo JHK; Orzel JA; Bagnall JW; et al: technetium-99m red blood cell blood-pool imaging in functional asplenia due to leukemic infiltration, *Clin Nucl Med* 1986; 11: 493
- Yoo OH See Cucco RA
- Yoo RE; Sunwoo YC; Markivee CR: male pelvic hemangiopericytoma on computed tomography, *CT* 1986; 10: 73
- Yoon C See Pusey E
- Yoon Y See Lim JH
- Yoon YS See Park JH
- Yoon PMF: simple technique for double-contrast oesophagrams, *Br J Radiol* 1987; 60: 1021
- Yoozufani Z See Slavin JD Jr
- Yoozufani Z; Slavin JD Jr; Hellman RM; et al: preleukemia following large dose radioiodine therapy for metastatic thyroid carcinoma, *J Nucl Med* 1987; 28: 1348
- Yoozufani Z; Sziklas JJ; Spencer RP: bladder defect due to use of vaginal tampon, *Clin Nucl Med* 1987; 12: 144
- Yorke ED; Schell MC; Gaskill JW; et al: using measured dose distribution data of the Fletcher-Suit-Declous colpostat in brachytherapy treatment planning, *Int J Radiat Oncol Biol Phys* 1987; 13: 1413
- Yoshi Y; Maki Y: late radiation effects in the mouse brain: a quantitative study on PAS positive deposits, *Acta Oncol* 1987; 26: 373
- Yoshida H See Hoshino T
- Yoshida H See Itai Y
- Yoshida H See Mano I
- Yoshida M See Ebisuno S
- Yoshida M See Nishimura Y
- Yoshida SO; Karjoo R; Johnstone MR: case report 480, *Skeletal Radiol* 1988; 17: 226
- Yoshida T See Miyake T
- Yoshida T; Itai T; Sakamoto H; et al: technetium-99m serum albumin measurement of gastrointestinal protein loss in a subtotal gastrectomy patient with giant hypertrophic gastritis, *Clin Nucl Med* 1987; 12: 773
- Yoshida T; Matsue H; Okazaki N; et al: ultrasonographic differentiation of hepatocellular carcinoma from metastatic liver cancer, *JCU* 1987; 15: 431
- Yoshii F See Saitoh H
- Yoshikai T; Murakami J; Nishihara H; et al: hemossuccus pancreaticus: CT manifestations, *JCAT* 1986; 10: 510
- Yoshikawa J See Ida M
- Yoshikawa J; Matsui O; Takashima T; et al: fatty metamorphosis in hepatocellular carcinoma: radiologic features in 10 cases, *AJR* 1988; 151: 717
- Yoshikawa J; Matsui O; Takashima T; et al: focal fatty change of the liver adjacent to the falciform ligament: CT and sonographic findings in five surgically confirmed cases, *AJR* 1987; 149: 491
- Yoshikawa K See Itai Y
- Yoshikawa K See Kokubo T
- Yoshikawa K See Ohtomo K
- Yoshikawa M; Hayashi T; Sato T; et al: case of pericardial hemangioma with consumption coagulopathy cured by radiotherapy, *Pediatr Radiol* 1987; 17: 149
- Yoshimatsu S See Suzuki T
- Yoshimoto H; Ikeda S; Tanaka M; Matsumoto S; Nakayama F: endoscopic retrograde cholangiography with a balloon catheter: analysis of 100 consecutive cases, *Radiology* 1986; 159: 53
- Yoshimoto Y See Morimoto I
- Yoshimura H See Nakajo M
- Yoshimura H; Hatakeyama M; Otsuji H; Maeda M; Ohishi H; Uchida H; Kasuga H; Katada H; Narita N; Mikami R; Konishi Y: pulmonary asbestosis: CT study of subpleural curvilinear shadow, work in progress, *Radiology* 1986; 158: 653
- Yoshinaga H See Kosuda S
- Yoshinaka H; Nishi M; Kajisa T; et al: ultrasonic detection of lymph node metastases in the region around the celiac axis in esophageal and gastric cancer, (ab), *Radiology* 1986; 158: 567
- Yoshino MT See Fajardo LL
- Yoshino MT: duodenal hematoma: CT demonstration of the ring sign, *Gastrointest Radiol* 1987; 12: 330
- Yoshino MT; Boyle RR Jr: strangulation of the colon caused by an intestinal decompression tube: radiographic findings, *AJR* 1987; 149: 735
- Yoshino MT; Hillman BJ; Gaigiani JN: coccidioidomycosis in renal dialysis and transplant patients: radiologic findings in 30 patients, *AJR* 1987; 149: 989
- Yoshioka H See Kashiwagi T
- Yoshioka H See Kuroda C
- Yoshioka T; Wright KC; Wallace S; et al: self-expanding endovascular graft: an experimental study in dogs, *AJR* 1988; 151: 673
- Yoshizaki K See Schnell MD
- Yoshizawa M See Horimoto Y
- Yoss BS See Giulian BB
- Yost FJ See Hagan JJ
- You E See Bouvier J-F
- Youser JE See Soulen RL
- Young AB See Starosta-Rubinstein S
- Young AE See Phillips GWL
- Young AT See Cardella JF
- Young AT See McKinstry CS
- Young AT See Mercado S
- Young AT See Smith TP
- Young AT; Morin RL; Hunter DW; Nelson KL; Cardella JF; Castaneda-Zuniga WR; Amplatz K: surface shield: device to reduce personnel radiation exposure, *Radiology* 1986; 159: 601
- Young BK See Raghavendra BN
- Young EG See Nordstrom LA
- Young HH See Papanicolaou N
- Young IR See Curati WL
- Young IR See Guilleux M-H
- Young IR See Robinson DA
- Young IR; Burl M; Bydder GM: comparative efficiency of different pulse sequences in MR imaging, *JCAT* 1986; 10: 271
- Young IR; Bydder GM; Payne JA: flow measurement by the development of phase differences during slice formation in MR imaging, *Magn Res Med* 1986; 3: 175
- Young IR; Cox IJ; Bryant DJ; et al: benefits of increasing spatial resolution as a means of reducing artifacts due to field inhomogeneities, *Magn Res Imag* 1988; 6: 585
- Young IR; Hall AS; Bydder GM: design of a multiple inversion recovery sequence for T1 measurement, *Magn Res Med* 1987; 5: 99
- Young IR; Khenia S; Thomas DGT; et al: clinical magnetic susceptibility mapping of the brain, *JCAT* 1987; 11: 2
- Young IR; Payne JA: slice-shape artifact changes with precession angle in rapid MR imaging, *Magn Res Med* 1987; 5: 177
- Young IR; Payne JA; Collins AG; et al: MRI: development of T2 contrast with rapid field echo sequences, *Magn Res Med* 1987; 4: 333
- Young JD Jr See Kalash SS
- Young JR See Graor RA
- Young JR See Olin JW
- Young JR See Risis B
- Young JWR See Austin CB
- Young JWR See Bidwell JK
- Young JWR See Mirvis SE
- Young JWR See Rothe AJ
- Young JWR See Templeton PA
- Young JWR See Tobin KD
- Young JWR: bone tumors: general aspects and data on 8,547 cases, *Radiology* 1987; 164: 424
- Young JWR: diagnostic imaging in surgery, *Radiology* 1987; 165: 48
- Young JWR: diagnostic imaging of the acutely injured patient, *Radiology* 1986; 161: 640
- Young JWR: magnetic resonance imaging of the knee, *Radiology* 1988; 168: 6
- Young JWR: radiology of bone disease, 4th ed., *Radiology* 1986; 161: 726
- Young JWR; Aisner SC; Levine AM; et al: computed tomography of desmoid tumors of bone: desmoplastic fibroma, *Skeletal Radiol* 1988; 17: 333
- Young JWR; Bright RW; Whitley NO: computed tomography in the evaluation of partial growth plate arrest in children, *Skeletal Radiol* 1986; 15: 530
- Young JWR; Burgess AR: use of CT in acute trauma victims, *Radiology* 1988; 166: 903
- Young JWR; Burgess AR; Brumback RJ; et al: lateral compression fractures of the pelvis: importance of plain radiographs in the diagnosis and surgical management, *Skeletal Radiol* 1986; 15: 103
- Young JWR; Burgess AR; Brumback RJ; Poka A: pelvic fractures: value of plain radiography in early assessment and management, *Radiology* 1986; 160: 445
- Young LS See Rubin RH
- Young LW See Dominguez R
- Young M See Osbakken M
- Young PA See Ash CJ
- Young RH See Clement PB
- Young S See Glass RB
- Young S See Schlesinger AE
- Young SC; Grossman RI; Goldberg HI; et al: MR of vascular encasement in paraneoplastic masses: comparison with angiography and CT, *AJNR* 1988; 9: 35
- Young SC; Zimmerman RA; Nowell MA; et al: giant cystic craniopharyngiomas, *Neuroradiol* 1987; 29: 468
- Young VI See Reinas WR
- Younis M; Coode PE: nasal glioma and encephalocele: two separate entities, report of two cases, (ab), *Radiology* 1987; 162: 295
- Yousefzadeh DK See Gussard DA
- Yousefzadeh DK See Naidich TP
- Yousefzadeh DK See Rosenblum J
- Yousefzadeh DK; Ramilo JL: normal hip in children: correlation of US with anatomic and cryomicrotome sections, *Radiology* 1987; 165: 647
- Yousem D; Traill TT; Wheeler PS; et al: illustrative cases in pericardial effusion misdiagnosis: correlation of echocardiography and CT, *Cardiovasc Intervent Radiol* 1987; 10: 162
- Yousem DM See Scatarige JC
- Yousem DM; Fishman EK; Jones B: Crohn disease: perirectal and perianal findings at CT, *Radiology* 1988; 167: 331
- Yousem DM; Gatewood OMB; Goldman SM; Marshall FF: synchronous and metachronous transitional cell carcinoma of the urinary tract: prevalence, incidence, and radiographic detection, *Radiology* 1988; 167: 613
- Yousem DM; Magid D; Fishman EK; et al: computed tomography of stress fractures, *JCAT* 1986; 10: 92
- Yousem DM; Scatarige JC; Fishman EK; et al: low-attenuation thoracic metastases in testicular malignancy, *AJR* 1986; 146: 291
- Yousem DM; Scott WW Jr; Fishman EK: case report 440, *Skeletal Radiol* 1987; 16: 652
- Yousem DM; Scott WW Jr; Fishman EK; et al: saphenous vein graft aneurysms demonstrated by computed tomography, *JCAT* 1986; 10: 526
- Yousem SA; Weiss LM; Colby TV: primary pulmonary Hodgkin's disease: clinicopathologic study of 15 cases, (ab), *Radiology* 1986; 160: 857
- Youssef E See Yang S-J
- Yrizarry JM See Greenwood LH
- Yrizarry JM See Murphy BJ
- Yrizarry JM See Nunez D Jr
- Yrizarry JM See Russell E
- Yrizarry JM See Treffer M
- Ytterbergh C See Hemmingson A
- Ytterbergh C See Mostrom U
- Yu A: cancers of the head and neck, *Radiology* 1988; 167: 724
- Yu AC See Eisenberg D
- Yu C-Y See Scott G
- Yu E See Sarpel S
- Yu ES See Choi BI
- Yu S See Czervionke LF
- Yu S See Daniels DL
- Yu S See Ho PSP
- Yu S; Haughton VM; Ho PSP; Sether LA; Wagner M; Ho K-C: progressive and regressive changes in the nucleus pulposus: part II, the adult, *Radiology* 1988; 169: 93
- Yu S; Haughton VM; Sether LA; Wagner M: anulus fibrosus in bulging intervertebral disks, *Radiology* 1988; 169: 761
- Yu S; Sether LA; Haughton VM: facet joint menisci of the cervical spine: correlative MR imaging and cryomicrotome study, *Radiology* 1987; 164: 79
- Yu S; Sether LA; Ho PSP; et al: tears of the anulus fibrosus: correlation between MR and pathologic findings in cadavers, *AJNR* 1988; 9: 367

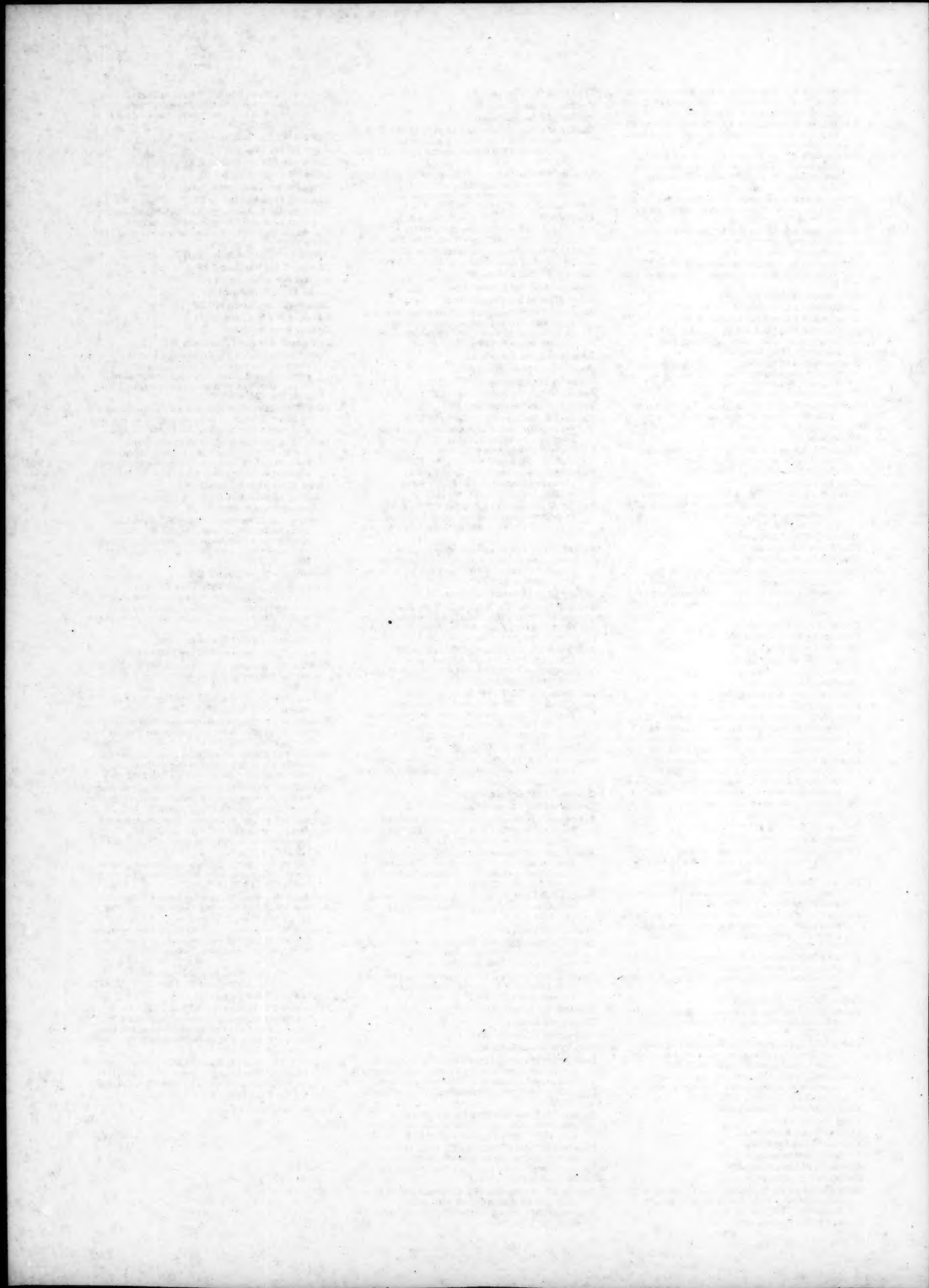
- Yu VL See Korvick JA
 Yu VL; Muder RR; Poosattar A: significance of isolation of *Aspergillus* from the respiratory tract in diagnosis of invasive pulmonary aspergillosis: results from a three-year prospective study. (ab). *Radiology* 1987; 162: 885
- Yu YL See Kwong YL
 Yu YL See Lau SPC
 Yu YL See Stevens JM
 Yu YL See Woo E
 Yu YL; Chin EKW; Woo E; et al: dystrophic intracranial calcification: CT evidence of 'cerebral steal' from arteriovenous malformation. *Neuroradiol* 1987; 29: 519
- Yu YL; du Boulay GH; Paul E: influence of certain factors on the manifestations of the adverse effects of metrizamide myelography. *Neuroradiol* 1986; 28: 339
- Yu YL; du Boulay GH; Stevens JM; et al: computed tomography in cervical spondylotic myelopathy and radiculopathy: visualisation of structures, myelographic comparison, cord measurements and clinical utility. *Neuroradiol* 1986; 28: 221
- Yu YL; Moseley IF: spondylomyelia and cervical spondylitis: clinico-radiological investigation. *Neuroradiol* 1987; 29: 143
- Yu ZH See Chen ZX
 Yuasa T See Hashimoto H
 Yuasa Y See Takeda T
 Yudd AP See Van Heertum RL
 Yudd AP; Van Heertum RL; Brunetti JC: single photon emission computed tomography and transmission computed tomography in the evaluation of liver disease. *Clin Nucl Med* 1988; 13: 397
- Yudit WM See Fawcett HD
 Yudit WM See Sayle BA
 Yue CF See Woo E
 Yueh N See Day DL
 Yuh WT See Cheung YY
 Yuh WTC See Barloon TJ
 Yuh WTC See Bruno A
 Yuh WTC See Flickinger FW
 Yuh WTC See Honda H
 Yuh WTC See Jacoby CG
 Yuh WTC See Kao SCS
 Yuh WTC See Kimball DA
 Yuh WTC See Ludwig WD
 Yuh WTC See Sato Y
 Yuh WTC See Wright DC
 Yuh WTC; Barloon TJ; Jacoby CG; et al: MR of fourth-ventricular epidermoid tumors. *AJNR* 1988; 9: 794
- Yuh WTC; Barloon TJ; Jacoby CG: trigeminal nerve lipoma: MR findings. *JCAT* 1987; 11: 518
- Yuh WTC; DeMarino GB; Ludwig WD; et al: MR imaging of pregnancy in bicornuate uterus. *JCAT* 1988; 12: 162
- Yuh WTC; Flickinger FW; Barloon TJ; et al: MR imaging of unusual chordomas. *JCAT* 1988; 12: 30
- Yuh WTC; Kathol MH; Sein MA; et al: hemangiomas of skeletal muscle: MR findings in five patients. *AJR* 1987; 149: 765
- Yuh WTC; Schreiber AE; Montgomery WJ; et al: magnetic resonance imaging of pyomyositis. *Skeletal Radiol* 1988; 17: 190
- Yuh WTC; Segall HD; Senac MO; et al: MR imaging of Chiari II malformation associated with dysgenesis of cerebellum and brain stem. *JCAT* 1987; 11: 188
- Yuh WTC; Wiese JA; Abu-Yousef MM; Rezaei K; Sato Y; Berbaum KS; Kao SCS; Hunsicker LG; Corry RJ: pancreatic transplant imaging. *Radiology* 1988; 167: 679
- Yuh WTC; Wright DC; Barloon TJ; et al: MR imaging of primary tumors of trigeminal nerve and Meckel's cave. *AJNR* 1988; 9: 665
- Yuhara A; Akamatsu N; Sekiba K: use of transrectal radial scan ultrasonography in evaluating the extent of uterine cervical cancer. *JCU* 1987; 15: 507
- Yuhara JM See Evans SM
 Yui Y See Aso M
 Yu-IP C See Gomori JM
 Yujin W; Babgen S; Liming J; et al: CT diagnosis in sixty cases of small cerebral abscess. *J Neuroradiol* 1988; 15: 77
- Yullish BS See Goldberg RE
 Yullish BS; Lieberman JM; Newman AJ; Bryan PJ; Mulopulos GP; Modic MT: juvenile rheumatoid arthritis: assessment with MR imaging. *Radiology* 1987; 165: 149
- Yullish BS; Lieberman JM; Strandjord SE; Bryan PJ; Mulopulos GP; Modic MT: hemophilic arthropathy: assessment with MR imaging. *Radiology* 1987; 164: 759
- Yullish BS; Montanez J; Goodfellow DB; Bryan PJ; Mulopulos GP; Modic MT: chondromalacia patellae: assessment with MR imaging. *Radiology* 1987; 164: 763
- Yullish BS; Mulopulos GP; Goodfellow DB; et al: MR imaging of osteochondral lesions of talus. *JCAT* 1987; 11: 296
- Yullish BS; Rothstein FC; Halpin TC Jr: radiographic findings in children and young adults with Barrett's esophagus. *AJR* 1987; 148: 353
- Yun LCM See Mo LYL
 Yune HY See Klatte EC
 Yuppa F See Smith J
 Yuschok TJ See Urrutia EJ
 Yussen PS; LaManna MM: pulmonary scintigraphy in talc granulomatosis. *Clin Nucl Med* 1987; 12: 949
- Yuzuriha H See Nishitani H

Z

- Zastari GS See Atkinson GO Jr
 Zabel H-J See Semmler W
 Zabel H-J; Bader R; Gehrig J; Lorenz WJ: high-quality MR imaging with flexible transmission line resonators. *Radiology* 1987; 165: 857
- Zabetakis PM See Weinstein GS
 Zabkar J See Onik G
 Zabkar JH See Daffner RH
 Zachar CK See Barloon TJ
 Zachar CK: case of the season. *Semin Roentgenol* 1987; 22: 231
- Zachariae C; Overgaard J: interactions of radiation, cyclophosphamide and nimorazole in a C3H mammary carcinoma in vivo. *Int J Radiat Oncol Biol Phys* 1986; 12: 1445
- Zachariah SB See Naseem G
 Zacharias CE See Petasnick JP
 Zackrisson BF See Björk L
 Zador I See Marjona F
 Zador IE See Evans MI
 Zader IE; Bottoms SF; Tse GM; et al: nomograms for ultrasound visualization of fetal organs. *J Ultrasound Med* 1988; 7: 197
- Zador IE; Sokol RJ; Chik L: interobserver variability: a source of error in obstetric ultrasound. *J Ultrasound Med* 1988; 7: 245
- Zafarano S; Bryk D; Gerard PS: obstructive jaundice secondary to multiple myeloma—case report. *Comput Radiol* 1986; 4: 197
- Zafrani B See Calle R
 Zagars G See Constine LS
 Zagars G See Rubin P
 Zagars GK See Mills MD
 Zagars GK; Babian RJ: role of radiation in stage II testicular seminoma. *Int J Radiat Oncol Biol Phys* 1987; 13: 163
- Zagars GK; Babian RJ: stage I testicular seminoma: rationale for postorchectomy radiation therapy. *Int J Radiat Oncol Biol Phys* 1987; 13: 155
- Zagars GK; Johnson DE; von Eschenbach AC; et al: adjuvant estrogen following radiation therapy for stage C adenocarcinoma of the prostate: long-term results of a prospective randomized study. *Int J Radiat Oncol Biol Phys* 1988; 14: 1085
- Zagars GK; von Eschenbach AC; Johnson DE; et al: role of radiation therapy in stages A2 and B adenocarcinoma of the prostate. *Int J Radiat Oncol Biol Phys* 1988; 14: 701
- Zagoria RJ; D'Souza VJ; Baker AL: recommended precautions when using low-osmolality or nonionic contrast agents with vasodilators. *Invest Radiol* 1987; 22: 513
- Zagoria RJ; D'Souza VJ; Sharling ES: prosthetic arterial graft occlusion: a complication of tourniquet use during arteriography. *Radiology* 1988; 167: 121
- Zagoria RJ; Gelfand DW; Ott DJ: retrograde examination of the small bowel in patients with an ileostomy. *Gastrointest Radiol* 1986; 11: 97
- Zagoria RJ; Higgins WJ; King GT; et al: elderly man with hematuria and a pelvic mass. *Invest Radiol* 1987; 22: 424
- Zagoria RJ; Karstaedt N; Koubek TD: MR imaging of rhabdomyolysis. *JCAT* 1986; 10: 268
- Zagoria RJ; Machen BC; King GT; et al: unsuspected fetal abnormality. *Invest Radiol* 1986; 21: 282
- Zagoria RJ; Papanicolaou N; Pfister RC; et al: seminal vesicle abscess after vasectomy: evaluation by transrectal sonography and CT. *AJR* 1987; 149: 137
- Zagoria RJ; Steiner E; Williams CD; et al: progressive neurologic disorder in a middle-aged man. *Invest Radiol* 1986; 21: 589
- Zagzag D; Gomori JM; Rappaport ZH; et al: cystic meningioma presenting as a ring lesion. *AJNR* 1986; 7: 911
- Zagzebski JA See Boote EJ
 Zaharia M; Caceres E; Valdivia S; et al: postoperative whole lung irradiation with or without adriamycin in osteogenic sarcoma. *Int J Radiat Oncol Biol Phys* 1986; 12: 907
- Zaharia M; Caceres E; Valdivia S; et al: radiotherapy in the management of locally advanced breast cancer. *Int J Radiat Oncol Biol Phys* 1987; 13: 1179
- Zahoor A See Edwards DI
 Zaidar M See Marchese MJ
 Zaidi MK See Sostre S
 Zajicek G See Horev G
 Zajicek J See Pearlman JD
 Zajko AB See Cassidy FP Jr
 Zajko AB See Flint EW
 Zajko AB See Herbener T
 Zajko AB See Longley DG
 Zajko AB See Segel MC
 Zajko AB See Tobben PJ
 Zajko AB See Trambert JJ
 Zajko AB See White RM
 Zajko AB See Wozney P
 Zajko AB; Bron KM: hepatopetal collaterals after portal vein thrombosis following liver transplantation. *Cardiovasc Intervent Radiol* 1986; 9: 46
- Zajko AB; Bron KM; Campbell WL; et al: percutaneous transhepatic cholangiography and biliary drainage after liver transplantation: five-year experience. *Gastrointest Radiol* 1987; 12: 137
- Zajko AB; Bron KM; Campbell WL: treatment of iatrogenic biliary obstruction by balloon dilatation of a biliary jejunal fistula. *Cardiovasc Intervent Radiol* 1987; 10: 28
- Zajko AB; Campbell WL; Logsdon GA; et al: cholangiographic findings in hepatic artery occlusion after liver transplantation. *AJR* 1987; 149: 485
- Zak BJ See Henderson DK
 Zak SM See Robinson BP
 Zakaria AH See Nuruddin RN
 Zakko SF See vanSonnenberg E
 Zakrzewski C See Rose SC
 Zalcmann M See Matos C
 Zalcmann M; Avni EF; Balasae H; et al: spinal segmentation anomalies: *in utero* diagnosis by ultrasound. *Br J Radiol* 1988; 61: 847
- Zalcmann M; Matos C; Van Gansbeke D; et al: hepatic artery aneurysm: CT and MR features. *Gastrointest Radiol* 1987; 12: 203
- Zalcmann M; Van Gansbeke D; Matos C; et al: sonographic demonstration of portal venous system thromboses secondary to inflammatory diseases of the pancreas. *Gastrointest Radiol* 1987; 12: 114
- Zaleske DJ See Kushner DC
 Zalev AH See Fong KW
 Zalev AH See Rahmani MR
 Zalev AH: placental chorioangioma, an unusual cause of polyhydramnios: antenatal diagnosis. *J Canad Assoc Radiol* 1986; 37: 60
- Zalev AH: radiologic treatment of a patient with the "steakhouse syndrome": case report. *J Canad Assoc Radiol* 1988; 39: 39
- Zalev AH: recurrent hepatoma with CT, MRI, and angiographic correlation. *J Canad Assoc Radiol* 1986; 37: 114
- Zalev AH: segmental renal venous catheterization: technical note. *J Canad Assoc Radiol* 1986; 37: 100
- Zalev AH; Rahmani MR; Henderson RD: comparative assessment of tube esophagography with double-contrast esophagography in the detection of reflux esophagitis. *J Canad Assoc Radiol* 1987; 38: 45
- Zalewski A See Hopkins J
 Zaleudek C See Mitchell DG
 Zaltzman S; Ophir J; Brenner S: differential diagnosis between Kaposi's sarcoma and pseudo-Kaposi's arteriovenous malformation by scintigraphy. *Clin Nucl Med* 1986; 11: 556
- Zalutsky MR; de Souza M; Venkatesan P; et al: evaluation of indium-111 chloride as a radiopharmaceutical for joint imaging in a rabbit model of arthritis. *Invest Radiol* 1987; 22: 733
- Zalutsky MR; Noska MA; Seltzer SE: characterization of liposomes containing iodine-125-labeled radiographic contrast agents. *Invest Radiol* 1987; 22: 141
- Zamani A See Haykal HA
 Zamani AA See Wang A-M
 Zamenhof RG; Shahabi S; Morgan HT: improved method for estimating the entrance exposure in diagnostic radiographic examinations. *AJR* 1987; 149: 631
- Zammit-Maempel I See Bisset RAL
 Zamora PO See Rhodes BA
 Zamora PO See Som P
 Zanello FE See Neufang KFR
 Zanello GD See Smith T
 Zanello GD; Cook N; Lahiri A; et al: protein binding studies of technetium-99m-labeled phosphine and isocyanide cationic complexes. *J Nucl Med* 1988; 29: 62
- Zaner KS See Rosen BR
 Zaner RM See James AE Jr
 Zani L See Bolondi L
 Zanni D See Hoefnagel CA
 Zannini P See Grillo HC
 Zanzi I; Taylor S; Gould E; et al: scintigraphic and magnetic resonance studies in a patient with Gaucher's disease. *Clin Nucl Med* 1988; 13: 491

- Zapf SE See Harcke HT
 Zappasodi F See Solbiati L
 Zappasodi F, Derchi LE, Rizzatto G: ultrasonography of the normal adrenal glands: study using linear-array real-time equipment. *Br J Radiol* 1986; 59: 759
 Zappasodi F, Sanna G, Fiorentini G, et al: small hyperechoic nodules of the renal parenchyma. (ab). *Radiology* 1986; 159: 571
 Zaragoza EJ IV See Dietrich RB
 Zaric A See Gough S
 Zarins CK See Kenney KR
 Zarnke MD, Gould HR, Goldman MH: computed tomography in the evaluation of the patient with symptomatic abdominal aortic aneurysm. (ab). *Radiology* 1988; 169: 885
 Zarra AMF See Ferrara N
 Zasloff MA See Reising JW
 Zatorre RJ See Tyler JL
 Zatz LM See Chak LY
 Zatz LM See Pfefferbaum A
 Zatz LM See Wirth RL
 Zavitz WR See Russ PD
 Zazgornik J See Sommer G
 Zbornikova V, Lasavik C: duplex scanning in presumably normal persons of different ages. *Ultrasound Med Biol* 1986; 12: 371
 Zee-Mendoza AC See Morales-Piga A
 Zee OF See Wagner LR
 Zee C-S See Segall HD
 Zee C-S; Segall HD; Ahmadi J; et al: CT myelography in spinal cysticercosis. *JCAT* 1986; 10: 195
 Zee C-S; Segall HD; McComb JG; et al: intracranial arterial aneurysms in childhood: more recent considerations. (ab). *Radiology* 1986; 161: 287
 Zeeberg B See Bice AN
 Zeichner SJ, Ruttimann UE, Webber RL: dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients. *Radiology* 1987; 162: 691
 Zein TA See Marino R
 Zeiss J See Coombs RJ
 Zeiss J; Brinker RA: MR imaging of cerebral hemiatrophy. *JCAT* 1988; 12: 640
 Zeiss J; Brinker RA: role of contrast enhancement in cerebral CT of carbon monoxide poisoning. *JCAT* 1988; 12: 341
 Zeiss J; Smith RR; Taha AM: iliopsoas hypertrophy mimicking acute abdomen in a bodybuilder. *Gastrointest Radiol* 1987; 12: 340
 Zeiss J; Woldenberg LS: inadvertent tracheobronchial placement of feeding tubes. *Radiology* 1988; 169: 874
 Zeit RM See Cope C
 Zeit RM: arterial and venous embolization: clotting of dialysis shunts by direct injection of streptokinase. *Radiology* 1986; 159: 639
 Zeit RM: Greenfield filter placement via the femoral vein: improved technique with extra-long sheath and purse-string suture. *Radiology* 1987; 163: 575
 Zeit RM: Greenfield filter placement with the extra-long sheath technique. *Radiology* 1987; 165: 583
 Zeitler E See Seyferth W
 Zeitler E: introduction: beginning of cardiovascular intervention using roentgen rays and image intensifier-TV-fluoroscopy. *Cardiovasc Intervent Radiol* 1986; 9: 233
 Zeitler E; Kaiser W; Schuierer G; et al: magnetic resonance imaging of aneurysms and thrombi. *Cardiovasc Intervent Radiol* 1986; 9: 321
 Zelch MG See Geisinger MA
 Zelch MG See Risis B
 Zelenock GB See Ho A
 Zeligman BE; Feinberg LE; Johnson ED: complication of cleansing enema: retained protective shield of the enema tip. *Gastrointest Radiol* 1986; 11: 372
 Zeller J See Mazeron J-J
 Zeller R See Radin DR
 Zelovitsky JL: basic imaging in congenital heart disease. *Radiology* 1987; 163: 696
 Zeman EM; Bedford JS: co-cultured transformed and untransformed C3H 10T $\frac{1}{2}$ cells: preferential killing of transformed cells by low dose rate irradiation. *Int J Radiat Oncol Biol Phys* 1986; 12: 51
 Zeman EM; Brown JM; Lemmon MJ; et al: SR-4233: new bioreductive agent with high selective toxicity for hypoxic mammalian cells. *Int J Radiat Oncol Biol Phys* 1986; 12: 1239
 Zeman RK See Archer AG
 Zeman RK See Brody JM
 Zeman RK See Choyke PL
 Zeman RK See Clark A
 Zeman RK See Cronan JJ
 Zeman RK See Jaffe MH
 Zeman RK See Kelly DR
 Zeman RK See Welly EM
 Zeman RK; Benjamin SB; Cunningham MB; et al: small bowel obstruction due to Garren gastric bubble: radiographic diagnosis. *AJR* 1988; 150: 581
 Zeman RK; Clements LA; Silverman PM; et al: CT of the liver: a survey of prevailing methods for administration of contrast material. *AJR* 1988; 150: 107
 Zeman RK; Cronan JJ; Rosenfield AT; Choyke PL; Paushtler DM; Clark LR; Jaffe MH; Schiebeler ML: computed tomography of renal masses: pitfalls and anatomic variants. *Radiographics* 1986; 6: 351
 Zeman RK; Cronan JJ; Rosenfield AT; Lynch JH; Jaffe MH; Clark LR: renal cell carcinoma: dynamic thin-section CT assessment of vascular invasion and tumor vascularity. *Radiology* 1988; 167: 393
 Zeman RK; McVay LV; Silverman PM; Cattau EL; Benjamin SB; Fleischer DF; Garra BS; Jaffe MH: pancreas divisum: thin-section CT. *Radiology* 1988; 169: 395
 Zenger GH; DeVries WC: role of nuclear medicine in three permanent total artificial heart recipients. *Semin Nucl Med* 1988; 18: 241
 Zenglein JP See Tournade A
 Zenteno M See Greselle JF
 Zentler-Munro PL; Bessell EM: medical management of radiation enteritis—algorithmic guide. *Clin Radiol* 1987; 38: 291
 Zentner J; Schumacher M; Bien S: motor evoked potentials during interventional neuroradiology. *Neuroradiol* 1988; 30: 252
 Zerbinini MA See Lizama VA
 Zerhouni EA See Ashida C
 Zerhouni EA See Fishman EK
 Zerhouni EA See Hruban RH
 Zerhouni EA See Kuhlman JE
 Zerhouni EA See McDonnell CH III
 Zerhouni EA See Merline DS
 Zerhouni EA See Mezziane MA
 Zerhouni EA See Milne ENC
 Zerhouni EA See Fakter RL
 Zerhouni EA See Siegelman SS
 Zerhouni EA See Soulen MC
 Zerhouni EA See Soulen RL
 Zerhouni EA; Caskey C; Khouri NF: pulmonary nodule. *Semin US CT MR* 1988; 9: 67
 Zerhouni EA; Parish DM; Rogers WJ; Yang A; Shapiro EF: human heart: tagging with MR imaging—a method for noninvasive assessment of myocardial motion. *Radiology* 1988; 169: 59
 Zerhouni EA; Stittik FP; Siegelman SS; Naidich DP; Sagel SS; Proto AV; Muhm JR; Walsh JW; Martinez CR; Heelan RT; Brantly P; Bozeman RE; Disantis DJ; Ettenger N; McCauley D; Aughenbaugh GL; Brown LR; Miller WE; Litt AW; Leo FP; Fishman EK; Khouri NF: CT of the pulmonary nodule: cooperative study. *Radiology* 1986; 160: 319
 Zerin JM See Abbott PL
 Zeumer H See Bruckmann H
 Zevallos M; Chan PYM; Munoz L; et al: epidural spinal cord compression from metastatic tumor. *Int J Radiat Oncol Biol Phys* 1987; 13: 875
 Zhang C-C; Hu L-X; Hsieh SW; et al: echocardiographic features of a giant congenital aneurysm of the right coronary artery. *JCU* 1988; 16: 502
 Zhang G; Day DL; Loken M; et al: grading of reflux by radionuclide cystography. *Clin Nucl Med* 1987; 12: 106
 Zhang T See Zhang T-I
 Zhang T-I; Shao S; Zhang T; et al: idiopathic inflammation of optic nerve simulating optic nerve sheath meningioma: CT demonstration. *JCAT* 1987; 11: 360
 Zhang Y-t See Wu E-h
 Zhu XP See Checkley DR
 Zhu XP; Checkley DR; Hickey DS; et al: accuracy of area measurements made from MR images compared with computed tomography. *JCAT* 1986; 10: 96
 Ziada G See Bahar RH
 Zibrak JD; Silvestri RC; Costello P; et al: bronchoscopic and radiologic features of Kaposi's sarcoma involving the respiratory system. (ab). *Radiology* 1987; 163: 587
 Zickuhr D See Poznanski MA
 Zide A See Kalnicki S
 Zieger M: ultrasound of the infant hip. part 2. validity of the method. *Pediatr Radiol* 1986; 16: 488
 Zieger MM; Dörr U: pediatric spinal sonography. part I: anatomy and examination technique. *Pediatr Radiol* 1988; 18: 9
 Zieger MM; Dörr U; Schulz RD: pediatric spinal sonography. part II: malformations and mass lesions. *Pediatr Radiol* 1988; 18: 105
 Zieger MM; Dörr U; Schulz RD: sonography of slipped humeral epiphysis due to birth injury. *Pediatr Radiol* 1987; 17: 425
 Zieger MM; Dörr U; Schulz RD: ultrasonography of hip joint effusions. *Skeletal Radiol* 1987; 16: 607
 Zieger MM; Hilpert S: ultrasonography of the infant hip. part IV: normal development in the newborn and preterm neonate. *Pediatr Radiol* 1987; 17: 470
 Zieger MM; Hilpert S; Schulz RD: ultrasound of the infant hip. part I: basic principles. *Pediatr Radiol* 1986; 16: 483
 Zieger MM; Schulz RD: ultrasonography of the infant hip. part III: clinical application. *Pediatr Radiol* 1987; 17: 226
 Ziegler DW; Lung JA; Philippart AL; et al: pancreatitis in childhood: experience with 49 patients. (ab). *Radiology* 1988; 169: 887
 Ziegler JC; Cooper JS: brain metastases from malignant melanoma: conventional vs. high-dose-per-fraction radiotherapy. *Int J Radiat Oncol Biol Phys* 1986; 12: 1839
 Zielonka JS See Wang Y
 Zientara GP: role of artificial intelligence in medical imaging. *Invest Radiol* 1988; 23: 68
 Zierler RE; Phillips DJ; Beach KW; et al: noninvasive assessment of normal carotid bifurcation hemodynamics with color-flow ultrasound imaging. *Ultrasound Med Biol* 1987; 13: 471
 Ziessman HA See Balseiro J
 Ziessman HA See Chow CK
 Ziessman HA See Ferris JV
 Ziessman HA See Goldstein HA
 Ziessman HA See Meekin GK
 Ziessman HA See Muherji S
 Ziessman HA See Wilf LH
 Ziessman HA; Bahar H; Fahey FH; et al: hepatic visualization on iodine-131 whole-body thyroid cancer scans. *J Nucl Med* 1987; 28: 1408
 Ziessman HA; Balseiro J; Fahey FH; et al: 99m Tc-glucroheptonate for quantitation of differential renal function. *AJR* 1987; 148: 889
 Ziessman HA; Collen MJ; Fahey FH; et al: effect of the Garren-Edwards Gastric Bubble on solid and liquid gastric emptying. *Clin Nucl Med* 1988; 13: 586
 Ziessman HA; Fahey FH; Gochoco JM: impact of radiocontaminants in commercially available iodine-123: dosimetric evaluation. *J Nucl Med* 1986; 27: 428
 Ziewacz JT See Nemecek AA Jr
 Ziewacz JT; Slavin JD Jr; Spencer RF: unusual scintigraphic findings in a case of treated monostotic Paget's disease. *Clin Nucl Med* 1988; 13: 93
 Ziffer JA; Fajman WA: ectopic parathyroid gland: localization with thallium-201 SPECT. *Clin Nucl Med* 1987; 12: 617
 Zikk D See Reider-Groswasser I
 Zikos E See Raju TNK
 Zikria EA See Sirivella S
 Zikria EA See Wholey MH
 Zilianti M; Fernandez S; Azuaga A; et al: ultrasound evaluation of the distal femoral epiphyseal ossification center as a screening test for intrauterine growth retardation. (ab). *Radiology* 1988; 166: 586
 Zimmer AM See Spies SM
 Zimmer AM; Rosen ST; Spies SM; et al: radioimmunotherapy of patients with cutaneous T-cell lymphoma using an iodine-131-labeled monoclonal antibody: analysis of retreatment following plasmapheresis. *J Nucl Med* 1988; 29: 174
 Zimmer R See Martin RW
 Zimmerman BL; Haller JO; Price AP; et al: children with AIDS—is pathologic diagnosis possible based on chest radiographs? *Pediatr Radiol* 1987; 17: 303
 Zimmerman JJ; Cipriano PR; Hayden WG; Fogarty TJ: balloon embolectomy catheter used percutaneously. *Radiology* 1986; 158: 260
 Zimmerman NB See Schwartz HS
 Zimmerman R; Sherry RG; Elwood JC; et al: vascular thrombosis and homocystinuria. *AJR* 1987; 148: 953
 Zimmerman RA See Atlas SW
 Zimmerman RA See Bilaniuk LT
 Zimmerman RA See Braffman BH
 Zimmerman RA See Dunn V
 Zimmerman RA See Goldberg HI
 Zimmerman RA See Gomori JM
 Zimmerman RA See Grossman RI
 Zimmerman RA See Hackney DB
 Zimmerman RA See Igiddashian V
 Zimmerman RA See Johnson MH
 Zimmerman R-A See Kemp SS
 Zimmerman RA See Nowell MA
 Zimmerman RA See Packer RJ
 Zimmerman RA See Roden DT
 Zimmerman RA See Som PM
 Zimmerman RA See Spagnoli MV
 Zimmerman RA See Young SC
 Zimmerman RA; Bilaniuk LT: applications of magnetic resonance imaging in diseases of the pediatric central nervous system. *Magn Res Imag* 1986; 4: 11
 Zimmerman RA; Bilaniuk LT: imaging of tumors of the spinal canal and cord. *Radiol Clin North Am* 1988; 26: 965
 Zimmerman RA; Bilaniuk LT: ocular MR imaging. *Radiology* 1988; 168: 875

- Zimmerman RA; Bilaniuk LT; Hackney DB; et al: head injury: early results of comparing CT and high-field MR. *AJNR* 1986; 7: 757
- Zimmerman RA; Bilaniuk LT; Hackney DB; et al: magnetic resonance imaging in temporal bone fracture. *Neuroradiol* 1987; 29: 246
- Zimmerman RA; Bilaniuk LT; Hackney DB; Goldberg HI; Grossman RI: paranasal sinus hemorrhage: evaluation with MR imaging. *Radiology* 1987; 162: 499
- Zimmerman RA; Bilaniuk LT; Johnson MH; et al: MRI of central nervous system: early clinical results. *AJNR* 1986; 7: 587
- Zimmerman RA; Bilaniuk LT; Yanoff M; et al: orbital magnetic resonance imaging. (ab). *Radiology* 1986; 159: 822
- Zimmerman RA; Gill F; Goldberg HI; et al: MRI of sickle cell cerebral infarction. *Neuroradiol* 1987; 29: 232
- Zimmerman RD See Kelly AB
- Zimmerman RD See Sae G
- Zimmerman RD See Weingarten KL
- Zimmerman RD; Deck MDF: intracranial hematomas: imaging by high-field MR. *Radiology* 1986; 159: 565
- Zimmerman RD; Fleming CA; Lee BCP; et al: periventricular hyperintensity as seen by magnetic resonance: prevalence and significance. *AJNR* 1986; 7: 13
- Zimmerman RD; Heier LA; Souw RI; et al: acute intracranial hemorrhage: intensity changes on sequential MR scans at 0.5 T. *AJNR* 1988; 9: 47
- Zindrick M See Larson BJ
- Zingas AP; Kiling GA; Crotte E; et al: computed tomography of nephrogenic adenoma of the urinary bladder. *JCAT* 1986; 10: 979
- Zingraff J See Bardin T
- Zink SR; Lyman JT; Castro JR; et al: treatment planning study for carcinoma of the esophagus: helium ions versus photons. *Int J Radiat Oncol Biol Phys* 1988; 14: 993
- Zinman LN See Liberto JA
- Zinn D See Yaghoobian J
- Zinn WI See Naidich DP
- Zinn WL; Naidich DP; Whelan CA; et al: fluid within preexisting pulmonary air-spaces: a potential pitfall in the CT differentiation of pleural from parenchymal disease. *JCAT* 1987; 11: 441
- Zinner MJ See Cameron JL
- Zinreich ES See Fishman EK
- Zinreich ES See Jacobs CG
- Zinreich ES See Scaratarie JC
- Zinreich SJ See Kumar AJ
- Zinreich SJ See Powe NR
- Zinreich SJ See Regenbogen VS
- Zinreich SJ See Wang H
- Zinreich SJ; Kennedy DW; Malat J; Curtin HD; Epstein JI; Huff LC; Kumar AJ; Johns ME; Rosenbaum AE: fungal sinusitis: diagnosis with CT and MR imaging. *Radiology* 1988; 169: 439
- Zinreich SJ; Kennedy DW; Rosenbaum AE; Gayler BW; Kumar AJ; Stammberger H: paranasal sinuses: CT imaging requirements for endoscopic surgery. *Radiology* 1987; 163: 769
- Ziprkowski M See Hoffman-Tretin J
- Zirilli VL See Genex BM
- Zirinsky K See Auh YH
- Zirinsky K See Kneeland JB
- Zirinsky K; Auh YH; Hartman BJ; et al: computed tomography of renal aspergillosis. *JCAT* 1987; 11: 177
- Zirinsky K; Auh YH; Rubenstein WA; et al: computed tomography appearance of adrenal vein thrombosis. *CT* 1987; 11: 216
- Zirinsky K; Markisz JA; Auh YH; et al: computed tomography and magnetic resonance imaging of a superior gluteal artery pseudoaneurysm. *CT* 1988; 12: 75
- Zirinsky K; Markisz JA; Rubenstein WA; et al: MR imaging of portal venous thrombosis: correlation with CT and sonography. *AJR* 1988; 150: 283
- Ziskin MC See LaFollette PS Jr
- Ziskin MC: American Institute of Ultrasound policy and statement on safety. *Ultrasound Med Biol* 1986; 12: 711
- Ziskin MC; LaFollette PS Jr; Radecki PD; et al: retrolentular afterglow: echo enhancement artifact. *J Ultrasound Med* 1986; 5: 385
- Ziskin MC; Pettiti DB: epidemiology of human exposure to ultrasound: a critical review. *Ultrasound Med Biol* 1988; 14: 91
- Ziter FMH Jr See Ozonoff MB
- Zito J See Pillari G
- Zitomer N See Brandon JC
- Zitomer N See Teplick SK
- Ziv N See Grunebaum M
- Zivanovic F See Blake GM
- Zivnaska F See Perez CA
- Zizic TM; Marcoux C; Hungerford DS; et al: early diagnosis of ischemic necrosis of bone. (ab). *Radiology* 1987; 163: 591
- Zlatkin M See Patheria MN
- Zlatkin M See Van Lom KJ
- Zlatkin MB See Bhasin S
- Zlatkin MB See Hayward I
- Zlatkin MB; Bjorkengren AG; Gylis-Morin V; et al: cross-sectional imaging of the capsular mechanism of the glenohumeral joint. *AJR* 1988; 150: 151
- Zlatkin MB; Bjorkengren A; Sartoris DJ; et al: stress fractures of the distal tibia and calcaneus subsequent to acute fractures of the tibia and fibula. *AJR* 1987; 149: 329
- Zlatkin MB; Lander PH; Hadjipavlos AG; Levine JS: Paget disease of the spine: CT with clinical correlation. *Radiology* 1986; 160: 155
- Zlatkin MB; Patheria M; Sartoris DJ; et al: diabetic foot. *Radiol Clin North Am* 1987; 25: 1095
- Zlotnick RA See Rubin JM
- Zlotogorski A See Gomori JM
- Zobel BB; et al See Passariello R
- Zochodne DW; Thompson RT; Driedger AA; et al: metabolic changes in human muscle denervation: topical ^{31}P NMR spectroscopy studies. *Magn Res Med* 1988; 7: 373
- Zoffmann E See Burgess AE
- Zoger S See Moore SG
- Zoghbi S See Majumdar S
- Zoghbi SS See Cornelius EA
- Zoghbi SS See Sostman HD
- Zoghbi SS; Neumann RD; Gottschalk A: preparation and immunoreactivity of high specific activity indium-111-DTPA labeled monoclonal antibody (MoAb) using ultrapurified indium-111. *Invest Radiol* 1986; 21: 788
- Zoghbi SS; Neumann RD; Gottschalk A: ultrapurification of indium-111 for radiotracer studies. *Invest Radiol* 1986; 21: 710
- Zoli M; Marchesini G; Cordiani MR; et al: echo-Doppler measurement of splanchnic blood flow in control and cirrhotic subjects. *JCU* 1986; 14: 429
- Zoli M; Melli A; Viti G; et al: sonographic evaluation of liver, spleen, and splanchnic vessels following partial liver resection. *J Ultrasound Med* 1986; 5: 563
- Zollars L See Hernandez-Schulman M
- Zollars LE; Nagel JS; Tumes SS: three cases demonstrating the role of gallium scanning in relapsing Hodgkin's disease and non-Hodgkin lymphoma. *J Nucl Med* 1987; 28: 1611
- Zollkofer CL; Largader I; Bruhlmann WF; Uhlischmid GK; Marty AH: endovascular stenting of veins and grafts: preliminary clinical experience. *Radiology* 1988; 167: 707
- Zollkofer CL; Redha FH; Bruhlmann WF; Uhlischmid GK; Vloder Z; Castaneda-Zuniga WR; Amplatz K: acute and long-term effects of massive balloon dilation on the aortic wall and vasa vasorum. *Radiology* 1987; 164: 145
- Zollinger RM Jr See Haaga JR
- Zong-Cheng L; En-Huel W: osteoporosis—early radiographic sign of endemic fluorosis. *Skeletal Radiol* 1986; 15: 350
- Zonneveld FW See Koornneef L
- Zonneveld FW; Koornneef L: patient positioning for direct sagittal CT of the orbit parallel to the optic nerve. *Radiology* 1986; 158: 547
- Zonneveld FW; Koornneef L; Hillen B; et al: normal direct multiplanar CT anatomy of the orbit with correlative anatomic cryosections. *Radiol Clin North Am* 1987; 25: 381
- Zorba J; Schier D; Posmituck G: clinical value of blood pool radionuclide venography. *AJR* 1986; 146: 1051
- Zorn GL See Shin MS
- Zorzi C; Perale R; Benini F; et al: diagnostic value of ultrasonography in neonatal liver rupture. *Pediatr Radiol* 1986; 16: 425
- Zouaoui A; Metzger J; Princ G; et al: computerized tomography CT in orbito-frontal injuries. *J Neuroradiol* 1986; 13: 291
- Zucali R See Veronesi U
- Zucca S See Grolli C
- Zuckerman H See Shalev E
- Zuckler L See Jackson ML
- Zuckler LS; Ongseng F; Goldfarb CR: lymphocytic interstitial pneumonitis: a cause of pulmonary gallium-67 uptake in a child with acquired immunodeficiency syndrome. *J Nucl Med* 1988; 29: 707
- Zuckler LS; Patel YD; Fine EJ; et al: Fraley's syndrome: case report and update on current diagnostic methods. *Urol Radiol* 1988; 10: 103
- Zuckler LS; Patel YD; Kratka PS; et al: pelvic kidney displacing a sigmoid diverticular bleed: scintigraphic and angiographic correlation. *Clin Nucl Med* 1988; 13: 463
- Zuckler LS; Weissmann HS; Goldman MJ; et al: detection of postcardiotomy bacterial pericarditis with gallium-67 citrate. *Clin Nucl Med* 1986; 11: 276
- Zuckler LS; Weissmann HS; Kaplan L; et al: significance of skeletal uptake detected on radionuclide renal perfusion studies. *Clin Nucl Med* 1987; 12: 448
- Zuelzer WA See Beltran J
- Zuger JH See Moore AV Jr
- Zukerberg BW See Brooks RA
- Zulauf DRP See Kageura NJ
- Zuniga M See Rodriguez-Valverde V
- Zupaniz I See Kveder M
- Zur Y; Stokar S; Bendel P: analysis of fast imaging sequences with steady-state transverse magnetization refocusing. *Magn Res Med* 1988; 6: 175
- Zurawski VR Jr See Haisma HJ
- Zurcher C See Verekamp AE
- Zur Nedden D See Resch H
- Zusko H See Kobayashi H
- Zusmer NR See Andreotti RF
- Zusman WV See Barnett MJ
- Zusarte J See Bomanji J
- Zwamborn AW See Trouerbach WT
- Zwas ST; Caerniak A; Boruchowsky S; et al: preoperative parathyroid localization by superimposed iodine-131 toluidine blue and technetium-99m pertechnetate imaging. *J Nucl Med* 1987; 28: 298
- Zwas ST; Elkanovitch R; Frank G: interpretation and classification of bone scintigraphic findings in stress fractures. *J Nucl Med* 1987; 28: 452
- Zwas ST; Katz I; Belfer B; et al: scintigraphic monitoring of mucociliary tracheo-bronchial clearance of technetium-99m macroaggregated albumin aerosol. *J Nucl Med* 1987; 28: 161
- Zwas A See Abdelwahab IF
- Zwas A; Abdelwahab IF; Klein MJ: case report 463. *Skeletal Radiol* 1988; 17: 81
- Zwelling LA; Silberman L; Estey E: intercalator-induced, topoisomerase II-mediated DNA cleavage and its modification by antineoplastic antimetabolites. *Int J Radiat Oncol Biol Phys* 1986; 12: 1041
- Zwerdinger S See Kumpke DA
- Zwerling HK; Diamond JN; Levy GC; et al: phosphorus-31 nuclear magnetic resonance measurements of 2,3-DPG degradation in human adult and cord blood erythrocytes. *Magn Res Med* 1986; 3: 10
- Zweyffeningh RCJ See Falke THM
- Zweyffeningh-Snijders MC See Falke THM
- Zwiebel WJ: anatomy and duplex characteristics of the normal deep veins. *Semin US CT MR* 1988; 9: 269
- Zwiebel WJ: color-encoded blood flow imaging. *Semin US CT MR* 1988; 9: 329
- Zwiebel WJ: primer of cerebrovascular ultrasound. part III: carotid duplex examination procedures. *Semin US CT MR* 1987; 8: 9
- Zwiebel WJ: primer of cerebrovascular ultrasound. part II: physical principles and duplex instrumentation. *Semin US CT MR* 1987; 8: 5
- Zwiebel WJ: primer of cerebrovascular ultrasound. part I: rationale for noninvasive cerebrovascular examination. *Semin US CT MR* 1987; 8: 27
- Zwiebel WJ: primer of cerebrovascular ultrasound. part IV: normal and abnormal B-mode appearance of the carotid arteries. *Semin US CT MR* 1987; 8: 17
- Zwiebel WJ: primer of cerebrovascular ultrasound. part V: analysis of carotid Doppler signals. *Semin US CT MR* 1987; 8: 27
- Zwiebel WJ: primer of cerebrovascular ultrasound. part VI: duplex vertebral examination. *Semin US CT MR* 1987; 8: 51
- Zwiebel WJ: sources of error in duplex venography and an algorithmic approach to the diagnosis of deep venous thrombosis. *Semin US CT MR* 1988; 9: 286
- Zwiebel WJ: spectrum analysis in carotid sonography. *Ultrasound Med Biol* 1987; 13: 625
- Zwillenberg S See Swartz JD
- Zwirbach CV; Müller NL; Abboud RT; Lepawsky M: noncardiogenic pulmonary edema caused by decompression sickness: rapid resolution following hyperbaric therapy. *Radiology* 1987; 163: 81
- Zylak CJ; Littleton JT; Durlezh ML: illusory consolidation of the left lower lobe: a pitfall of portable radiography. *Radiology* 1988; 167: 653
- Zyroff J See Rush M
- Zyroff J See Sobel DF



CUMULATIVE SUBJECT INDEX

A

Abdomen

annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease. Meyers MA; Oliphant M; Berne AS; Feldberg MAM. *Radiology* 1987; 163: 593

Abdomen, abnormalities

barium intravasation: radiographic and CT findings in a nonfatal case, Chan F-L; Tao W-K; Wong L-C; Ngan H. *Radiology* 1987; 163: 311

fetal omphalocele and gastroschisis: pitfalls in sonographic diagnosis, Lindfors KK; McGahan JP; Walter JP. *AJR* 1986; 147: 797

fetal omphalocele and gastroschisis: review of 24 cases, Bair JH; Russ PD; Pretorius DH; et al. *AJR* 1986; 147: 1047

MR imaging of pathologic abdominal fluid collections, Wall SD; Hricak H; Bailey GD; et al. *JCAT* 1986; 10: 746

"negative" renal outline in prune belly syndrome, Karimeddini MK; Spencer RP. *Clin Nucl Med* 1986; 11: 129

Abdomen, abscess

abdominal patterns of indium-111 labeled leukocyte imaging, Carrier L; Picard D; Chartrand R; et al. *Clin Nucl Med* 1986; 11: 153

abscess drainage in the genitourinary tract, Bernardino ME; Baumgartner BR. *Radiol Clin North Am* 1986; 24: 539

abscesses in Crohn disease: percutaneous drainage, Casola G; vanSonnenberg E; Neff CC; Saba RM; Withers C; Emarine CW. *Radiology* 1987; 163: 19

abscesses with enteric communication: a potential pitfall in computed tomography. Heavely LR; Glazer GM; Francis IR; et al. *JCAT* 1987; 11: 470

case report: metastatic teratoma associated with an intra-abdominal abscess, Dunn KS; Goepel JR. *Clin Radiol* 1988; 39: 321

"coffee bean" sign in periappendiceal and peridiverticular abscesses, Machan L; Pon MS; Wood BJ; et al. *J Ultrasound Med* 1987; 6: 373

CT and ultrasound in abscess detection at specific anatomic sites: a study of 198 patients, Jasinski RW; Glazer GM; Francis IR; et al. *Comput Radiol* 1987; 11: 41

CT features of intraabdominal abscesses: prediction of successful percutaneous drainage, Jaques PF; Mauro MA; Safrit H; et al. *AJR* 1986; 146: 1041

CT in the management of periappendiceal abscess, Barakos JA; Jeffrey RB Jr; Federle MP; et al. *AJR* 1986; 146: 1161

diverticular abscesses: percutaneous drainage. Neff CC; vanSonnenberg E; Casola G; Wittich GR; Hoyt DB; Halasz NA; Martini DJ. *Radiology* 1987; 163: 15

echogenic wound abscess mimicking hepatic mass on ultrasonography. Yiangpruksawan A; Pow-Anpongkul S; Ganepola GAP; et al. *JCU* 1986; 14: 376

efficacy of abdominal computed tomography in evaluation of possible abdominal abscess. Paling MR; Gouse JC. *CT* 1986; 10: 111

false-positive radiocolloid liver image due to a subphrenic abscess, Shih W-J; Daniel T; DeLand FH; et al. *Clin Nucl Med* 1986; 11: 400

ilio-psoas abscess: diagnosis and management. Hoffer FA; Shamberger RC; Teele RL. *Pediatr Radiol* 1987; 17: 23

left subphrenic crescent sign in direct cholangiography, Iko BO. *Clin Radiol* 1987; 38: 549

MR imaging of pathologic abdominal fluid collections, Wall SD; Hricak H; Bailey GD; et al. *JCAT* 1986; 10: 746

operative versus percutaneous drainage of intraabdominal abscesses: comparison of morbidity and mortality, (ab), Olak J; Christou NV; Stein LA; et al. *Radiology* 1986; 160: 284

percutaneous diagnostic and therapeutic interventional radiologic procedures in children: experience in 100 patients, vanSonnenberg E; Wittich GR; Edwards DK; Casola G; Hilton SW; Self TW; Keightley A; Withers C. *Radiology* 1987; 162: 601

percutaneous drainage of periappendiceal abscesses: review of 20 patients, Jeffrey RB Jr; Tolentino CS; Federle MP; et al. *AJR* 1987; 149: 59

periappendiceal abscesses: percutaneous drainage, vanSonnenberg E; Wittich GR; Casola G; Neff CC; Hoyt DB; Polansky AD; Keightley A. *Radiology* 1987; 163: 23

periappendiceal inflammatory masses: CT-directed management and clinical outcome in 70 patients, Jeffrey RB Jr; Federle MP; Tolentino CS. *Radiology* 1988; 167: 13

perinephric abscess: modern diagnosis and treatment in 47 cases, (ab), Edelstein H; McCabe RE. *Radiology* 1988; 169: 587

prospective investigation of radiologic methods in the diagnosis of intra-abdominal abscesses, Lundstedt C; Hederstrom E; Brismar J; et al. *Acta Radiol* 1986; 27: 49

sigmoid diverticular abscesses: percutaneous drainage as an adjunct to surgical resection in 24 cases, Mueller PR; Saini S; Wittenburg J; Simeone JF; Hahn PF; Steiner E; Dawson SL; Butch RJ; Stark DD; Ottinger LW; Rodkey GV; Bousquet J-C; Ferrucci JT Jr. *Radiology* 1987; 164: 321

sonographic evaluation of pericholecystic abscess with intrahepatic extension, Teeley SA; Wechter DG. *J Ultrasound Med* 1987; 6: 659

transvaginal pelvic abscess drainage with US guidance, Noshier JL; Winchman HK; Needell GS. *Radiology* 1987; 165: 872

Abdomen, acute conditions

abdominal pain in sickle cell disease: role of CT, Magid D; Fishman EK; Charache S; Siegelman SS. *Radiology* 1987; 163: 325

mesenteric adenitis and acute terminal ileitis: US evaluation using graded compression, Puylaert JBCM. *Radiology* 1986; 161: 691

ultrasonography in acute upper abdomen, Khosla A; Berry M; Mukhopadhyay S; et al. *Australas Radiol* 1987; 31: 62

ultrasound examination of the paediatric "acute abdomen": preliminary findings, Mendelson RM; Lindsell DRM. *Br J Radiol* 1987; 60: 414

Abdomen, anatomy

superior aspect of the perirenal space: anatomy and pathological correlation, Lim JH; Yoon Y; Lee SW; et al. *Clin Radiol* 1988; 39: 368

Abdomen, biopsy

abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy, Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P. *Radiology* 1986; 159: 345

delayed complications from fine-needle biopsies of solid masses of the abdomen, Yankaskas BC; Staab EV; Craven MB; et al. *Invest Radiol* 1986; 21: 325

multiple simultaneous percutaneous needle biopsy (MSPNB) technique for masses of the abdomen and peritoneum, Moretton LB; Brown RW; Amparo EG; et al. *Eur J Radiol* 1987; 7: 98

percutaneous diagnostic and therapeutic interventional radiologic procedures in children: experience in 100 patients, vanSonnenberg E; Wittich GR; Edwards DK; Casola G; Hilton SW; Self TW; Keightley A; Withers C. *Radiology* 1987; 162: 601

percutaneous real-time ultrasonic guided biopsy in the diagnosis of deep-seated, non-palpable intra-abdominal masses (initial experience), Sawhney S; Berry M; Bhargava S. *Australas Radiol* 1987; 31: 295

ultrasound-guided fine-needle histological biopsies in the abdomen, Tudway DC; Newman J; Chard MJ. *Clin Radiol* 1988; 39: 377

Abdomen, CT

abdominal computed tomography in teratoma of the testis: its accuracy in Stage I disease and an assessment of the distribution of retroperitoneal lymph-node metastases in other stages of the disease, Bradley N; Johnson RJ; Read G. *Br J Radiol* 1987; 60: 487

abdominal CT in acquired immunodeficiency syndrome, Jeffrey RB Jr; Nyberg DA; Bottles K; et al. *AJR* 1986; 146: 7

abdominal CT in the staging of small-cell carcinoma of the lung: incidence of metastases and effect on prognosis, Mirvis SE; Whitley NO; Aisner J; et al. *AJR* 1987; 148: 845

abdominal lymphadenopathy in benign diseases: CT detection, Deutsch SJ; Sandler MA; Alpern MB. *Radiology* 1987; 163: 335

abdominal pain in sickle cell disease: role of CT, Magid D; Fishman EK; Charache S; Siegelman SS. *Radiology* 1987; 163: 325

Abdomen, CT

- abscesses with enteric communication: a potential pitfall in computed tomography. Heavey LR; Glazer GM; Francis IR; et al. *JCAT* 1987; 11: 470
- AIDS-related lymphomas: evaluation by abdominal CT. Nyberg DA; Jeffrey RB Jr; Federle MP; Bottles K; Abrams DI. *Radiology* 1986; 159: 59
- circumferential para-aortic masses: computed tomographic observations. Chisholm RA; Coltart KS; Cooper P; et al. *Clin Radiol* 1986; 37: 531
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence. Freeny PC; Marks WM; Ryan JA; Bolen JW. *Radiology* 1986; 158: 347
- computed tomographic evaluation of spigelian hernia. Luedke M; Scholz FJ; Larsen CR. *Comput Med Imag Graph* 1988; 12: 123
- computed tomography characteristics of intermesenteric hematomas. Chintapalli K; Dodds WJ; Olson DL. *CT* 1988; 12: 122
- computed tomography of abdominal carcinoid tumour. Gould M; Johnson RJ. *Br J Radiol* 1986; 59: 881
- computed tomography of mesenteric disease. Silverman PM; Baker ME; Cooper C; Kelvin FM. *Radiographics* 1987; 7: 309
- computed tomography of omental pathology. Cooper C; Jeffrey RB Jr; Silverman PM; et al. *JCAT* 1986; 10: 62
- computed tomography of the abdomen in advanced seminoma: response to treatment. Williams MP; Naik G; Heron CW; et al. *Clin Radiol* 1987; 38: 629
- computed tomography of the abdomen in the diagnosis of splenic emboli. (ab). Haft JJ; Altieri J; Smith LG; et al. *Radiology* 1988; 168: 291
- contrast medium precipitation during abdominal CT. Ball DS; Radecki PD; Friedman AC; Caroline DF; Mayer DP. *Radiology* 1986; 158: 258
- CT and ultrasound in abscess detection at specific anatomic sites: a study of 198 patients. Jasinski RW; Glazer GM; Francis IR; et al. *Comput Radiol* 1987; 11: 41
- CT demonstration of traumatic ventral hernia. Peters JC; Reinertson JS; Polansky SM; et al. *JCAT* 1988; 12: 710
- CT diagnosis of primary torsion of greater omentum. Ceuterick L; Baert AL; Marchal G; et al. *JCAT* 1987; 11: 1083
- CT diagnostic of occult incisional hernias. Ghahremani GG; Jimenez MA; Rosenfeld M; et al. *AJR* 1987; 148: 139
- CT features of intraabdominal abscesses: prediction of successful percutaneous drainage. Jaques PF; Mauro MA; Safrit H; et al. *AJR* 1986; 146: 1041
- CT findings after uncomplicated percutaneous gastrostomy. Wojtowycz MM; Arata JA Jr; Micklos TJ; et al. *AJR* 1988; 151: 307
- CT findings in abdominal actinomycosis. Shah HR; Williamson MR; Boyd CM; et al. *JCAT* 1987; 11: 466
- CT findings in palpable lesions of the anterior abdominal wall. Pandolfo I; Blandino A; Gaeta M; et al. *JCAT* 1986; 10: 629
- CT in the management of periappendiceal abscess. Barakos JA; Jeffrey RB Jr; Federle MP; et al. *AJR* 1986; 146: 1161
- CT of false-negative peritoneal lavage following blunt abdominal trauma. Orwig DS; Jeffrey RB Jr. *JCAT* 1987; 11: 1079
- direct coronal and direct sagittal CT of abdomen and pelvis: approach to staging malignancies. van Waas PFGM; Feldberg MAM; Goldberg HI; Herve P; Zonneveld FW; Cann CE. *Radiographics* 1986; 6: 213
- efficacy of abdominal computed tomography in evaluation of possible abdominal abscess. Paling MR; Gouse JC. *CT* 1986; 10: 111
- efficacy of CT following peritoneal lavage in abdominal trauma. Kane NM; Dorfman GS; Cronan JJ. *JCAT* 1987; 11: 998
- fat-density oral contrast agent for abdominal CT. Raptopoulos V; Davis MA; Davidoff A; Karellas A; Hays D; D'Orsi CJ; Smith EH. *Radiology* 1987; 164: 653
- heavenly twins: useful anatomic landmarks in C.T. and ultrasound of the abdomen. Albertyn L. *Australas Radiol* 1987; 31: 278
- hypovolemic shock in children. Kaufman RA; Stalker HP. *Radiology* 1988; 166: 579
- hypovolemic shock in children: abdominal CT manifestations. Taylor GA; Fallat ME; Eichelberger MR. *Radiology* 1987; 164: 479
- iliopsoas hypertrophy mimicking acute abdomen in a bodybuilder. Zeiss J; Smith RR; Taha AM. *Gastrointest Radiol* 1987; 12: 340
- influence of section spacing on reliability of abdominal computed tomography in early stage non-seminomatous testicular tumor. Lien HH; Stenwig AE; Ous S; et al. *Acta Radiol* 1987; 28: 169
- intraabdominal hematoma following orchiectomy: potential pitfall in using CT for staging of testicular cancer. Kullmann G; Lien HH. *Radiology* 1987; 163: 129
- IV contrast material for abdominal CT: comparison of three methods of administration. Platt JF; Glazer GM. *AJR* 1988; 151: 275
- liver and abdominal screening in patients with cancer: CT versus MR imaging. Chezmar JL; Rumanick WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME. *Radiology* 1988; 168: 43
- malignant melanoma: correlating abdominal and pelvic CT with clinical staging. Shirkhoda A; Albin J. *Radiology* 1987; 165: 75
- mechanism of direct spread of abdominal neuroblastoma: CT demonstration and clinical implications. Oliphant M; Berne AS. *Gastrointest Radiol* 1987; 12: 59
- periappendiceal inflammatory masses: CT-directed management and clinical outcome in 70 patients. Jeffrey RB Jr; Federle MP; Tolentino CS. *Radiology* 1988; 167: 13
- periportal tuberculous adenitis: CT features. Mathieu D; Ladeb MF; Guigui B; Rousseau M; Vassile N. *Radiology* 1986; 161: 713
- psoas muscle disorders: MR imaging. Lee JKT; Glazer HS. *Radiology* 1986; 160: 683
- retained surgical sponge: diagnosis with CT and sonography. Choi BI; Kim SH; Yu ES; et al. *AJR* 1988; 150: 1047
- retained surgical sponges: CT and US appearance. Kokubo T; Itai Y; Ohtomo K; Yoshikawa K; Iio M; Atomi Y. *Radiology* 1987; 165: 415
- right lower quadrant pain in the immunocompromised patient: CT findings in 10 cases. Merline DS; Fishman EK; Jones B; et al. *AJR* 1987; 149: 1177
- semirect computed tomography of the abdomen using the Imatron ultrafast CT scanner. Feuerstein IM; Margulis AR. *JCAT* 1987; 11: 1107
- triple-contrast computed tomography in the evaluation of penetrating posterior abdominal injuries. (ab). Hauser CJ; Huprich JE; Bosco P; et al. *Radiology* 1988; 166: 908
- unusual metastases from esophageal carcinoma: computed tomography demonstration. Varma DGK; Godiwala T. *CT* 1987; 11: 205
- upper abdomen: CT findings following partial hepatectomy. Letourneau JG; Steely JW; Crass JR; Goldberg ME; Grage TB; Day DL. *Radiology* 1988; 166: 139
- upper abdomen: CT findings following partial hepatectomy. Quinn SF; Bodne DJ; Clark RA; Karl RC; Nicosia SV. *Radiology* 1988; 168: 879
- upper abdomen: CT findings following partial hepatectomy: reply. Letourneau JG; Steely JW; Crass JR; Goldberg ME; Grage TB; Day DL. *Radiology* 1988; 168: 880
- upper abdominal trauma: pitfalls in CT diagnosis. Cook DE; Walsh JW; Vick CW; Brewer WH. *Radiology* 1986; 159: 65
- use of contrast media in patients with hypovolemic shock. Schiffer MS. *Radiology* 1988; 166: 579
- use of contrast media in patients with hypovolemic shock: reply. Taylor GA; Eichelberger MR. *Radiology* 1988; 166: 579
- variation in the thickness of the diaphragmatic crura with respiration. Williamson BRJ; Gouse JC; Rohrer DG; Teates CD. *Radiology* 1987; 163: 683
- visceral CT findings associated with Thorotrast. Rao BK; Brodel GK; Haaga JR; et al. *JCAT* 1986; 10: 57

Abdomen, cysts

- fluid-filled structures simulating solid tumors at ultrasonography—report on five cases. Soderlund V; Mortenson W; Nybonde T. *Pediatr Radiol* 1986; 16: 110
- giant fetal abdominal cyst: ultrasonic diagnosis and management. Jaffe R; Abramowicz J; Feigin M; et al. *J Ultrasound Med* 1987; 6: 45
- intrauterine cystocentesis: simple procedure to relieve anatomic and physiologic dysfunction in the fetus. Woo JSK; Li DFH; Wan MCW; et al. *JCU* 1986; 14: 474
- sonographic diagnosis of a chylous mesenteric cyst. Longmaid HE III; Tymkiw J; Rider EA. *JCU* 1986; 14: 458

Abdomen, diseases

- computed tomography of mesenteric disease. Silverman PM; Baker ME; Cooper C; Kelvin FM. *Radiographics* 1987; 7: 309
- renal ring sign: a new ultrasound indication of inflammatory disease in the abdomen. Belli A-M; Joseph AEA. *Br J Radiol* 1988; 61: 806

Abdomen, hematoma

See Abdomen, hemorrhage

Abdomen, hemorrhage

- computed tomography characteristics of intermesenteric hematomas. Chintapalli K; Dodds WJ; Olson DL. *CT* 1988; 12: 122
- intraabdominal hematoma: concentric-ring sign in MR imaging. Hahn PF; Saini S; Stark DD; et al. *AJR* 1987; 148: 115
- MR imaging of pathologic abdominal fluid collections. Wall SD; Hricak H; Bailey GD; et al. *JCAT* 1986; 10: 746
- scintigraphic detection of an occult abdominal bleed in a child. Mitchell DS; Stacy TM; Gronow JE; et al. *Clin Nucl Med* 1988; 13: 546
- transcatheter intracavitary fibrinolysis of infected extravascular hematomas. Vogelzang RL; Tobin RS; Burstein S; et al. *AJR* 1987; 148: 378

Abdomen, infection

- annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease. Meyers MA; Oliphant M; Berne AS; Feldberg MAM. *Radiology* 1987; 163: 593
- repeated laparotomy for postoperative intra-abdominal sepsis: an analysis of outcome predictors. (ab). Butler JA; Huang J; Wilson SE. *Radiology* 1988; 166: 291
- transcatheter intracavitary fibrinolysis of infected extravascular hematomas. Vogelzang RL; Tobin RS; Burstein S; et al. *AJR* 1987; 148: 378

Abdomen, injuries

- abdominal trauma with leukocytosis and Howell-Jolly bodies: idiopathic functional asplenia. Spencer RP; Grimmond AP; Treschuk-Bahn J. *Clin Nucl Med* 1988; 13: 544
- colloid shift in technetium-99m sulfur colloid liver-spleen scans of trauma patients. Lee HK; Kajubi S. *Clin Nucl Med* 1987; 12: 801
- computed tomography of blunt trauma to the gallbladder. Jeffrey RB Jr; Federle MP; Laing FC; et al. *JCAT* 1986; 10: 756
- CT demonstration of traumatic ventral hernia. Peters JC; Reinertson JS; Polansky SM; et al. *JCAT* 1988; 12: 710
- CT of false-negative peritoneal lavage following blunt abdominal trauma. Orwig DS; Jeffrey RB Jr. *JCAT* 1987; 11: 1079
- efficacy of CT following peritoneal lavage in abdominal trauma. Kane NM; Dorfman GS; Cronan JJ. *JCAT* 1987; 11: 998
- hepatic and splenic injury in children: role of CT in the decision for laparotomy. Brick SH; Taylor GA; Potter BM; Eichelberger MR. *Radiology* 1987; 165: 643
- hepatobiliary scintigraphy and scintiangiography in abdominal trauma. Colletti PM; Barakos JA; Ralls PW; et al. *Clin Nucl Med* 1987; 12: 901
- hypovolemic shock in children. Kaufman RA; Stalker HP. *Radiology* 1988; 166: 579
- hypovolemic shock in children: abdominal CT manifestations. Taylor GA; Fallat ME; Eichelberger MR. *Radiology* 1987; 164: 479
- investigation of childhood blunt abdominal trauma: a practical approach using ultrasound as the initial diagnostic modality. Filiatrault D; Longpre D; Patriquin H; et al. *Pediatr Radiol* 1987; 17: 373

- triple-contrast computed tomography in the evaluation of penetrating posterior abdominal injuries, (ab), Hauser CJ; Hupprich JE; Bosco P; et al, *Radiology* 1988; 166: 908
- upper abdominal trauma: pitfalls in CT diagnosis, Cook DE; Walsh JW; Vick CW; Brewer WH, *Radiology* 1986; 159: 65
- use of contrast media in patients with hypovolemic shock, Schiffer MS, *Radiology* 1988; 166: 579
- use of contrast media in patients with hypovolemic shock: reply, Taylor GA; Eichelberger MR, *Radiology* 1988; 166: 579
- Abdomen, MR studies**
- comparison of respiratory triggering and gating techniques for the removal of respiratory artifacts in MR imaging, Lewis CE; Prato FS; Drost DJ; Nicholson RL, *Radiology* 1986; 160: 803
- Hippel-Lindau disease: MR imaging, Sato Y; Waziri M; Smith W; Frey EE; Yuh WTC; Hanson J; Franken EA Jr, *Radiology* 1988; 166: 241
- intraabdominal hematoma: concentric-ring sign in MR imaging, Hahn PF; Saini S; Stark DD; et al, *AJR* 1987; 148: 115
- liver and abdominal screening in patients with cancer: CT versus MR imaging, Cheezmar JL; Rumancik WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME, *Radiology* 1988; 168: 43
- magnetic resonance characteristics of an abdominal desmoid tumor, Hamlin DJ; Paige R; Petterson H; et al, *Comput Radiol* 1986; 10: 11
- motion artifact reduction in MR imaging of the abdomen: gradient moment nulling versus respiratory-sorted phase encoding, Mitchell DG; Yinitzki S; Burk DL Jr; Levy DW; Rifkin MD, *Radiology* 1988; 169: 155
- MR imaging of pathologic abdominal fluid collections, Wall SD; Hricak H; Bailey GD; et al, *JCAT* 1986; 10: 746
- overcoming motion in abdominal MR imaging, Wood ML; Runge VM; Henkelman RM, *AJR* 1988; 150: 513
- psaos muscle disorders: MR imaging, Lee JKT; Glazer HS, *Radiology* 1986; 160: 683
- respiratory effects in two-dimensional Fourier transform MR imaging, Axel L; Summers RM; Kressel HY; Charles C, *Radiology* 1986; 160: 795
- three-dimensional flash MR imaging of thorax and abdomen without triggering or gating, Matthaei D; Frahm J; Haase A; et al, *Magn Res Imag* 1986; 4: 381
- Abdomen, neoplasms**
- abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy, Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P, *Radiology* 1986; 159: 345
- abdominal manifestation of von Hippel-Lindau disease and a radiological screening protocol for an affected family, Jennings CM; Gaines PA, *Clin Radiol* 1988; 39: 363
- abdominal mass in the neonate, Teele RL; Share JC, *Semin Roentgenol* 1988; 23: 175
- AIDS-related lymphomas: evaluation by abdominal CT, Nyberg DA; Jeffrey RB Jr; Federle MP; Bottles K; Abrams DI, *Radiology* 1986; 159: 59
- annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease, Meyers MA; Oliphant M; Berne AS; Feldberg MAM, *Radiology* 1987; 163: 593
- circumferential para-aortic masses: computed tomographic observations, Chisholm RA; Coltart RS; Cooper P; et al, *Clin Radiol* 1986; 37: 531
- clinical aspects of abdominal masses in children, Mahaffey SM; Ryckman FC; Martin LW, *Semin Roentgenol* 1988; 23: 161
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence, Freeny PC; Marks WM; Ryan JA; Bolen JW, *Radiology* 1986; 158: 347
- computed tomography of abdominal carcinoid tumour, Gould M; Johnson RJ, *Br J Radiol* 1986; 59: 881
- computed tomography of mesenteric disease, Silverman PM; Baker ME; Cooper C; Kelvin FM, *Radiographics* 1987; 7: 309
- direct coronal and direct sagittal CT of abdomen and pelvis: approach to staging malignancies, van Waas PFGM; Feldberg MAM; Goldberg HI; Herve P; Zonneveld FW; Cann CE, *Radiographics* 1986; 6: 213
- Hippel-Lindau disease: MR imaging, Sato Y; Waziri M; Smith W; Frey EE; Yuh WTC; Hanson J; Franken EA Jr, *Radiology* 1988; 166: 241
- imaging techniques: metastases and tumor extension in the abdomen, Kagan AR; Steckel RJ; Weiner M; et al, *AJR* 1987; 148: 1123
- imaging the direct bidirectional spread of disease between the abdomen and the female pelvis via the subperitoneal space, Oliphant M; Berne AS; Meyers MA, *Gastrointest Radiol* 1988; 13: 285
- ¹³¹I-meta-iodobenzylguanidine scintigraphy in patients with neuroblastoma, Hibi S; Todo S; Imashuku S; et al, *Pediatr Radiol* 1987; 17: 308
- liver and abdominal screening in patients with cancer: CT versus MR imaging, Cheezmar JL; Rumancik WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME, *Radiology* 1988; 168: 43
- magnetic resonance characteristics of an abdominal desmoid tumor, Hamlin DJ; Paige R; Petterson H; et al, *Comput Radiol* 1986; 10: 11
- malignant melanoma: correlating abdominal and pelvic CT with clinical staging, Shirkhoda A; Albin J, *Radiology* 1987; 165: 75
- management of seminoma with bulky abdominal disease, Laakkonen E; Olivetto I; Jackson S, *Int J Radiat Oncol Biol Phys* 1988; 14: 227
- mechanism of direct spread of abdominal neuroblastoma: CT demonstration and clinical implications, Oliphant M; Berne AS, *Gastrointest Radiol* 1987; 12: 59
- other abdominal and pelvic masses in children, Sty JR; Wells RC, *Semin Roentgenol* 1988; 23: 216
- pathology of selected abdominal masses in children, Bove KE, *Semin Roentgenol* 1988; 23: 147
- percutaneous real-time ultrasonic guided biopsy in the diagnosis of deep-seated, non-palpable intra-abdominal masses (initial experience), Sawhney S; Berry M; Bhargava S, *Australas Radiol* 1987; 31: 295
- pictorial essay of pelvic and abdominal masses seen during pregnancy, Rahatzad MT; Adamson D, *JCU* 1986; 14: 255
- psaos muscle disorders: MR imaging, Lee JKT; Glazer HS, *Radiology* 1986; 160: 683
- sonographic diagnosis and follow-up of abdominal neuroblastoma, Dershaw DD; Helson L, *Urol Radiol* 1988; 10: 80
- sonographic manifestations of abdominal lymphoma, Jackson FI; Lalani Z, *Semin US CT MR* 1987; 8: 61
- unusual metastases from esophageal carcinoma: computed tomography demonstration, Varma DGK; Godiwala T, *CT* 1987; 11: 205
- upper abdominal trauma: pitfalls in CT diagnosis, Cook DE; Walsh JW; Vick CW; Brewer WH, *Radiology* 1986; 159: 65
- visceral CT findings associated with Thorotrast, Rao BK; Brodell GK; Haaga JR; et al, *JCAT* 1986; 10: 57
- Abdomen, radiography**
- plain film evaluation of patients with abdominal pain: are three radiographs necessary?, Mirvis SE; Young JWR; Keramati B; et al, *AJR* 1986; 147: 501
- review of the plain abdominal radiograph in acute rupture of abdominal aortic aneurysms, Loughran CF, *Clin Radiol* 1986; 37: 383
- Abdomen, radionuclide studies**
- abdominal patterns of indium-111 labeled leukocyte imaging, Carrier L; Picard D; Chartrand R; et al, *Clin Nucl Med* 1986; 11: 153
- abdominal SPECT imaging, Van Heertum RL; Brunetti JC; Yudd AP, *Semin Nucl Med* 1987; 17: 230
- diffuse abdominal gallium-67 citrate uptake in salmonella infections, Garty I; Koren A, *Clin Nucl Med* 1987; 12: 872
- diffuse abdominal gallium uptake, Ammann W; Kassen BO, *Semin Nucl Med* 1986; 16: 214
- diffuse radioactivity in the thoraco-abdominal region seen in bone scintigraphy, Shih W-J; Domstad PA; DeLand FH, *Semin Nucl Med* 1986; 16: 211
- false-positive leukocyte imaging: case of colon carcinoma, Bauman JM; Hartshorne MF; Cawthon MA; et al, *Clin Nucl Med* 1986; 11: 211
- hepatobiliary scintigraphy and scintiangiography in abdominal trauma, Colletti PM; Barakos JA; Ralls PW; et al, *Clin Nucl Med* 1987; 12: 901
- ¹³¹I-meta-iodobenzylguanidine scintigraphy in patients with neuroblastoma, Hibi S; Todo S; Imashuku S; et al, *Pediatr Radiol* 1987; 17: 308
- "negative" renal outline in prune belly syndrome, Karimeddini MK; Spencer RP, *Clin Nucl Med* 1986; 11: 129
- scintigraphic demonstration of splenosis, Stewart CA; Sakimura IT; Siegel ME, *Clin Nucl Med* 1986; 11: 161
- scintigraphic detection of an occult abdominal bleed in a child, Mitchell DS; Stacy TM; Cronow JE; et al, *Clin Nucl Med* 1988; 12: 546
- Abdomen, surgery**
- bile-duct dilatation after laparotomy: potential effect of intestinal hypomotility, Raptopoulos V; Smith EH; Cummings T; et al, *AJR* 1986; 147: 729
- CT diagnosis of occult incisional hernias, Gahremani GG; Jimenez MA; Rosenfeld M; et al, *AJR* 1987; 148: 139
- lymphatic disruption following abdominal aortic surgery, Jensen SR; Voegeli DR; McDermott JC; et al, *Cardiovasc Intervent Radiol* 1986; 9: 199
- retained surgical sponges: CT and US appearance, Kokubo T; Imai Y; Ohtomo K; Yoshikawa K; Iio M; Atomi Y, *Radiology* 1987; 165: 415
- Abdomen, therapeutic radiology**
- intraoperative US as an aid to intraoperative electron beam radiation therapy, Schoenacker SA; Mack LA; Russell AH; Cyr DR; Shuman WP; Lennard ES; Montana MA, *Radiology* 1986; 160: 251
- whole abdominal irradiation following chemotherapy in advanced ovarian carcinoma, Kuten A; Stein M; Steiner M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 273
- Abdomen, US studies**
- abdominal sonography after hepatic transplantation: results in 36 patients, Letourneau JG; Day DL; Ascher NL; et al, *AJR* 1987; 149: 299
- acute appendicitis: US evaluation using graded compression, Puylaert JBCM, *Radiology* 1986; 158: 355
- analysis of referrals for primary diagnostic abdominal ultrasound to a general X-ray department, Colquhoun IR; Saywell WR; Dewbury KC, *Br J Radiol* 1988; 61: 297
- anechoic abdominal mass on ultrasound, Baker M, *Semin Roentgenol* 1988; 23: 143
- combined perineal-abdominal sonography in the evaluation of vaginal atresia, Graham D; Nelson MW, *JCU* 1986; 14: 735
- CT and ultrasound in abscess detection at specific anatomic sites: a study of 198 patients, Jasinski RW; Glazer GM; Francis IR; et al, *Comput Radiol* 1987; 11: 41
- diagnostic value of ultrasonography in hydatid disease in abdomen and chest, Pant CS; Gupta RK, *Acta Radiol* 1987; 28: 743
- differential diagnosis of anechoic/hypochoic lesions in the abdomen detected by ultrasound, Scholmerich J; Volk BA, *JCU* 1986; 14: 339
- distended gasless abdomen: fertile field for ultrasound, Seibert JJ; Williamson SL; Golladay ES; et al, *J Ultrasound Med* 1986; 5: 301
- echogenic forms of hydatid cysts: sonographic diagnosis, Garcia FJ; Marti-Bonmati L; Menor F; et al, *JCU* 1988; 16: 305
- evaluation of the usefulness of dimethicone and/or senna extract in improving the visualization of abdominal organs, Heldwein W; Sommerlatte T; Hasford J; et al, *JCU* 1987; 15: 455
- fluid-filled structures simulating solid tumors at ultrasonography—report on five cases, Soderlund V; Mortenson W; Nybom T, *Pediatr Radiol* 1986; 16: 110

graded compression ultrasound in acute disease of the right lower quadrant, Puyllaert JBCM, Semin US CT MR 1987; 8: 385

heavenly twins: useful anatomic landmarks in C.T. and ultrasound of the abdomen, Albertyn L, Australas Radiol 1987; 31: 278

initial detection of gastrointestinal disease during routine real-time, abdominal ultrasound in adults, Fataar S, Australas Radiol 1987; 31: 164

intraoperative abdominal ultrasonography: initial experience with a dedicated high-resolution operative transducer, Rifkin MD; Mack LA; Lennard ES; et al, J Ultrasound Med 1986; 5: 429

investigation of childhood blunt abdominal trauma: a practical approach using ultrasound as the initial diagnostic modality, Filiatrault D; Longpre D; Patriquin H; et al, Pediatr Radiol 1987; 17: 373

new transducer technology—the annular phased array: comparison with a conventional mechanically rotating sector transducer: the upper abdomen, Schwaighofer B; Stiglbauer R; Frühwald F; et al, Eur J Radiol 1987; 7: 285

retained surgical sponge: diagnosis with CT and sonography, Choi BI; Kim SH; Yu ES; et al, AJR 1988; 150: 1047

retained surgical sponges: CT and US appearance, Kokubo T; Imai Y; Ohtomo K; Yoshikawa K; Iio M; Atomi Y, Radiology 1987; 165: 415

sonographic diagnosis and follow-up of abdominal neuroblastoma, Dershow DD; Helson L, Urol Radiol 1988; 10: 80

sonographic manifestations of abdominal lymphoma, Jackson FI; Lalani Z, Semin US CT MR 1987; 8: 61

ultrasonography in acute upper abdomen, Khosla A; Berry M; Mukhopadhyay S; et al, Australas Radiol 1987; 31: 62

ultrasound findings in children with cystic fibrosis, McHugo JM; McKeown C; Brown MT; et al, Br J Radiol 1987; 60: 137

vascular ultrasonography: abdominal applications, Needleman L; Rifkin MD, Radiol Clin North Am 1986; 24: 461

Abortion

abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Nyberg DA; Filly RA; Filho DLD; Laing FC; Mahony BS, Radiology 1986; 158: 393

abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Kadar N; Romero R, Radiology 1986; 161: 854

abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels: reply, Filly RA; Laing FC; Nyberg DA, Radiology 1986; 161: 854

combined sonographic-pathologic surveillance in elective first-trimester termination of pregnancy, (ab), Goldstein SR; Snyder JR; Watson C; et al, Radiology 1988; 169: 289

failed first trimester pregnancy termination: uterine anomaly as etiologic factor, Pennes DR; Bowerman RA; Silver TM; et al, JCU 1987; 15: 165

prognostic value of ultrasound, HCG and progesterone in threatened abortion, Eriksen BC; Eik-Nes SH, JCU 1986; 14: 3

real-time ultrasound diagnosis of bleeding uterine perforation during therapeutic abortion, Shalev E; Ben-Ami M; Zuckerman H, JCU 1986; 14: 66

selective first-trimester termination in octuplet and quadruplet pregnancies: clinical and ethical issues, (ab), Evans MI; Fletcher JC; Zador IE; et al, Radiology 1988; 168: 588

sonographic identification of an unusual complication of midtrimester pregnancy termination: unrecognized intra-abdominal extrusion of fetal parts, Bowerman RA; Pennes DR; Jongeward RH Jr, JCU 1988; 16: 119

spontaneous abortion rate in ultrasonographically viable pregnancies, (ab), Mackenzie WE; Holmes DS; Newton JR, Radiology 1988; 167: 884

spontaneous fetal loss after demonstration of a live fetus in the first trimester, (ab), Cashner KA; Christopher CR; Dysert GA, Radiology 1988; 167: 884

threatened abortion: sonographic distinction of normal and abnormal gestation sacs, Nyberg DA; Laing FC; Filly RA, Radiology 1986; 158: 397

threatened abortion: sonographic distinction of normal and abnormal gestation sacs, Cadkin AV; McAlpin J, Radiology 1986; 160: 567

threatened abortion: sonographic distinction of normal and abnormal gestation sacs: reply, Nyberg DA; Laing FC; Filly RA, Radiology 1986; 160: 567

ultrasound-guided selective feticide of hydrocephalic fetus in triplet pregnancy, Shalev E; Issacov D; Weiner E; et al, JCU 1988; 16: 41

ultrasound of the empty gestation sac in threatened abortion, Scott RF; Featherstone T; Hussey JK, Clin Radiol 1987; 38: 127

varied ultrasonographic appearance of laminaria, Hirsh MJ; Levy HM, J Ultrasound Med 1988; 7: 45

yolk sac sign: sonographic appearance of the fetal yolk sac in missed abortion, Hurwitz SR, J Ultrasound Med 1986; 5: 435

Abscess

See also under names of individual organs and regions, such as Liver, abscess

dorsal defect of the patella and infection, Alexander JE; Seibert JJ; Aronson J, Pediatr Radiol 1987; 17: 325

Pott puffy tumor: a serious occult infection, (ab), Feder HM; Cates KL; Cementina AM, Radiology 1987; 165: 591

unusual presentation of a large infected hemophilic pseudotumor in an autologous indium-111 WBC scan, Auger MJ; Critchley M; McVerry BA, Clin Nucl Med 1986; 11: 568

Abscess, CT

diverticular abscesses: percutaneous drainage, Neff CC; vanSonnenberg E; Casola G; Wittich GR; Hoyt DB; Halasz NA; Martini DJ, Radiology 1987; 163: 15

hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, Radiology 1988; 166: 417

periappendiceal inflammatory masses: CT-directed management and clinical outcome in 70 patients, Jeffrey RB Jr; Federle MP; Tolentino CS, Radiology 1988; 167: 13

value of CT scanning in assessing location and extent of epidural and paraspinal inflammatory conditions, O'Sullivan R; McKenzie A; Hennessy O, Australas Radiol 1988; 32: 203

wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, Radiology 1988; 169: 578

wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, Radiology 1988; 169: 579

Abscess, MR studies

amebic liver abscess: diagnosis and treatment evaluation with MR imaging, Elizondo G; Weissleder R; Stark DD; Todd LE; Compton C; Wittenberg J; Ferrucci JT Jr, Radiology 1987; 165: 795

MRI of multiple limb abscesses in a child, Cremin BJ; Wynchank S, Australas Radiol 1987; 31: 202

Abscess, percutaneous drainage

abdominal abscess drainage under radiologic guidance: causes of failure, Lang EK; Springer RM; Glorioso LW III; Cammarata CA, Radiology 1986; 159: 329

abscess drainage in the genitourinary tract, Bernardino ME; Baumgartner BR, Radiol Clin North Am 1986; 24: 539

abscesses in Crohn disease: percutaneous drainage, Casola G; vanSonnenberg E; Neff CC; Saba RM; Withers C; Emarine CW, Radiology 1987; 163: 19

CT features of intraabdominal abscesses: prediction of successful percutaneous drainage, Jaques PF; Mauro MA; Safrit H; et al, AJR 1986; 146: 1041

digital-scout-radiograph-assisted percutaneous abscess drainage (technical note), Wing VW; Jeffrey RB Jr; Hightower DR; et al, AJR 1986; 147: 406

diverticular abscesses: percutaneous drainage, Neff CC; vanSonnenberg E; Casola G; Wittich GR; Hoyt DB; Halasz NA; Martini DJ, Radiology 1987; 163: 15

double-coated medical tape modification of finger trap method for anchoring drainage catheters to the skin, Dixon GD; Farthing DG; Longson F, Cardiovasc Intervent Radiol 1986; 9: 113

drainage of pelvic abscesses through the greater sciatic foramen, Butch RJ; Mueller PR; Ferrucci JT Jr; Wittenberg J; Simeone JF; White EM; Brown AS, Radiology 1986; 158: 487

drainage of pelvic abscesses through the greater sciatic foramen, Jaques PF; Mauro MA, Radiology 1986; 160: 278

drainage of pelvic abscesses through the greater sciatic foramen: reply, Butch RJ; Mueller PR; Ferrucci JT Jr, Radiology 1986; 160: 279

loculated abscesses: management by percutaneous fracture of septations, Lieberman RP; Hahn FJ; Imray TJ; Phalen JT, Radiology 1986; 161: 827

operative versus percutaneous drainage of intraabdominal abscesses: comparison of morbidity and mortality, (ab), Olak J; Christou NV; Stein LA; et al, Radiology 1986; 160: 284

pancreatic pseudocysts drained through a percutaneous transgastric approach: further experience, Matzinger FRK; Ho C-S; Yee AC; Gray RR, Radiology 1988; 167: 431

percutaneous abscess drainage in Crohn's disease, Safrit H; Mauro MA; Jaques PF, AJR 1987; 148: 859

percutaneous aspiration and catheter drainage of abscesses, (ab), Diamant MJ; Stanley P; Kangaroo H; et al, Radiology 1986; 160: 575

percutaneous diagnostic and therapeutic interventional radiologic procedures in children: experience in 100 patients, vanSonnenberg E; Wittich GR; Edwards DK; Casola G; Hilton SW; Self TW; Keightley A; Withers C, Radiology 1987; 162: 601

percutaneous drainage and aspiration of fluid collections: emphasis on pancreatic collections and transplant patients, Cadotte RN; Rankin RN, J Canad Assoc Radiol 1988; 39: 121

percutaneous drainage of abscesses in patients with Crohn's disease, Doemeyn JM; Burke DR; Meranze SG, Gastrointest Radiol 1988; 13: 237

percutaneous drainage of abscesses in patients with Crohn disease, Lambias RE; Cronan JJ; Dorfman GS; et al, AJR 1988; 150: 1043

percutaneous drainage of pancreatic and peripancreatic fluid collections, Stanley JH; Gobien RP; Schabel SJ; et al, Cardiovasc Intervent Radiol 1988; 11: 21

percutaneous drainage of pelvic abscesses: management of the tubo-ovarian abscess, Worthen NJ; Gunning JE, J Ultrasound Med 1986; 5: 551

percutaneous drainage of periappendiceal abscesses: review of 20 patients, Jeffrey RB Jr; Tolentino CS; Federle MP; et al, AJR 1987; 149: 59

percutaneous drainage of subphrenic abscess: review of 62 patients, Mueller PR; Simeone JF; Butch RJ; et al, AJR 1986; 147: 1237

periappendiceal abscesses: percutaneous drainage, vanSonnenberg E; Wittich GR; Casola G; Neff CC; Hoyt DB; Polansky AD; Keightley A, Radiology 1987; 163: 23

radiologic management of fluid collections in children, Gaisie G; Jaques PF; Mauro MA, Pediatr Radiol 1987; 17: 143

renal and related retroperitoneal abscesses: percutaneous drainage, Sacks D; Banner MP; Meranze SG; Burke DR; Robinson M; McLean GK, Radiology 1988; 167: 447

replaceable sump lumen catheter for abscess drainage, Kerlan RK Jr; Ring EJ, Gastrointest Radiol 1986; 11: 112

saline microbubbles monitoring sonography-assisted abscess drainage, Scatamacchia SA; Raptopoulos V; Davidson RI, Invest Radiol 1987; 22: 868

sigmoid diverticular abscesses: percutaneous drainage as an adjunct to surgical resection in 24 cases, Mueller PR; Saini S; Wittenberg J; Simeone JF; Hahn FJ; Stark DD; Steiner E; Dawson SL; Butch RJ; Ottiger LW; Rodkey GV; Bousquet J-C; Ferrucci JT Jr, Radiology 1987; 164: 321

transesophageal drainage of mediastinal abscesses, Meranze SG; LeVein RF; Burke DR; Cope C; McLean GK, *Radiology* 1987; 165: 395

treatment of hepatic amebic abscess: need for percutaneous drainage, Ralls PW; Barnes PF; Johnson MB; De Cock KM; Radin DR; Halls JM, *Radiology* 1987; 165: 805

Abscess, radionuclide studies

accumulation of indium-111-labeled neutrophils and gallium-67 citrate in rabbit abscesses, Bitar RA; Scheffel U; Murphy PA; et al, *J Nucl Med* 1986; 27: 1883

comparison of leukocytes labeled with indium-111-2-mercaptopyridine-N-oxide and indium-111 oxine for abscess detection, Intenzo CM; Desai AG; Thakur ML; et al, *J Nucl Med* 1987; 28: 438

demonstration of a cold abscess by gallium-67 imaging in a patient with Job syndrome, Jaramillo D; Kim EE, *AJR* 1986; 147: 610

new method for granulocyte labeling with technetium-99m: preliminary results in abscess detection, Sundrehaugen E; Bengtsson A-M; Bremer PO; et al, *J Nucl Med* 1986; 27: 555

Abscess, US studies

amebic liver abscess: sonographic diagnosis and management, Berry M; Bazaz K; Bhargava S, *JCU* 1986; 14: 239

CT and ultrasound in abscess detection at specific anatomic sites: a study of 198 patients, Jasinski RW; Glazer GM; Francis IR; et al, *Comput Radiol* 1987; 11: 41

echogenic wound abscess mimicking hepatic mass on ultrasonography, Yiengpruksawan A; Pow-Anpongkul S; Ganepola GAP; et al, *JCU* 1986; 14: 376

hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, *Radiology* 1988; 166: 417

sonography of thigh abscess: detection, diagnosis, and drainage, vanSonnenberg E; Wittich GR; Casola G; et al, *AJR* 1987; 149: 769

wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, *Radiology* 1988; 169: 578

wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, *Radiology* 1988; 169: 579

Abused children

See Children, injuries; Infants, injuries

Acetabulum

See also Hip

acetabular protrusion in the Marfan syndrome, Kuhlman JE; Scott WW Jr; Fishman EK; Peyeritz RE; Siegelman SS, *Radiology* 1987; 164: 415

double cortical line in the acetabular roof: a sign of disuse osteoporosis, Yagan R; Radiovoyevitch M; Khan MA, *Radiology* 1987; 165: 171

double cortical line in the acetabular roof: a sign of disuse osteoporosis, Watt JH, *Radiology* 1988; 167: 873

double cortical line in the acetabular roof: a sign of disuse osteoporosis: reply, Yagan R; Radiovoyevitch MA; Khan MA, *Radiology* 1988; 167: 873

proximal femoral focal deficiency: radiologic analysis of 49 cases, Hillmann JS; Mesgarzadeh M; Revesz G; Bonakdarpour A; Clancy M; Betz RR, *Radiology* 1987; 165: 769

torn acetabular labrum, (ab), Dorrell JH; Catterall A, *Radiology* 1987; 162: 294

Acetabulum, CT

computed tomography of acetabular fractures, Magid D; Fishman EK, *Semin US CT MR* 1986; 7: 351

Acetabulum, fractures

acetabular fractures: optimal imaging, Scott WW Jr; Fishman EK; Magid D, *Radiology* 1987; 165: 537

acetabular fractures: three-dimensional computed tomographic imaging and interactive surgical planning, Burk DL Jr; Mears DC; Cooperstein LA; et al, *CT* 1986; 10: 1

computed tomography of acetabular fractures, Magid D; Fishman EK, *Semin US CT MR* 1986; 7: 351

multiplanar computed tomography: multidimensional tool for evaluation and treatment of acetabular fractures, Mandelbaum BR; Magid D; Fishman EK; et al, *CT* 1987; 11: 167

multiplanar computed tomography of acetabular fractures, Magid D; Fishman EK; Brooker AF Jr; et al, *JCAT* 1986; 10: 778

normal acetabular anatomy for acetabular fracture assessment: CT and plain film correlation, Saks BJ, *Radiology* 1986; 159: 139

volumetric rendering techniques: applications for three-dimensional imaging of the hip, Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS, *Radiology* 1987; 163: 737

Achalasia

See Esophagus, achalasia

Achondroplasia

See Bones, osteochondrodysplasias

Acquired immunodeficiency syndrome (AIDS)

abdominal cryptococcoma in AIDS: a case report, Scalfano FP Jr; Prichard JG; Lamki N; et al, *CT* 1988; 12: 237

abdominal CT in acquired immunodeficiency syndrome, Jeffrey RB Jr; Nyberg DA; Bottles K; et al, *AJR* 1986; 146: 7

abdominal pain in patients with acquired immune deficiency syndrome, (ab), Barone JE; Gingoold BS; Nealon TF; et al, *Radiology* 1987; 163: 836

acalculous inflammatory disease of the biliary tree in acquired immunodeficiency syndrome: CT demonstration, Radin DR; Cohen H; Halls JM, *JCAT* 1987; 11: 775

acquired immune deficiency syndrome—overview, Solinger AM; Hess EV, *Semin Roentgenol* 1987; 22: 9

acquired immunodeficiency syndrome: Ga-67 citrate imaging, Woolfenden JM; Carrasquillo JA; Larson SM; Simmons JT; Masur H; Smith PD; Shelhamer JH; Ognibene FP, *Radiology* 1987; 162: 383

AIDS awareness in the conduct of radiologic procedures: guidelines to safe practice, Heller KM; Horev G; Kirchner SG; Schaffner W, *Radiology* 1988; 166: 563

AIDS: calcification of the basal ganglia in infants and children, (ab), Belman AL; Lantos G; Horoupian D; et al, *Radiology* 1987; 164: 887

AIDS-related cholangitis: radiographic findings in nine patients, Dolmatch BL; Laing FC; Federle MP; Jeffrey RB Jr; Cello J, *Radiology* 1987; 163: 313

AIDS-related Kaposi sarcoma and lymphomas, Nyberg DA; Federle MP, *Semin Roentgenol* 1987; 22: 54

AIDS-related lymphomas: evaluation by abdominal CT, Nyberg DA; Jeffrey RB Jr; Federle MP; Bottles K; Abrams DL, *Radiology* 1986; 159: 59

appendix mass in AIDS?, Lee SH; Hall-Craggs MA; Lees WR, *Br J Radiol* 1987; 60: 1030

benign lymphoepithelial parotid cysts and hyperplastic cervical adenopathy in AIDS-risk patients: a new CT appearance, Holliday RA; Cohen WA; Schinella RA; Rothstein SG; Pensky MS; Jacobs JM; Som PM, *Radiology* 1988; 168: 439

biliary tract obstruction in the acquired immunodeficiency syndrome, (ab), Margulis SJ; Honig CL; Soave R; et al, *Radiology* 1987; 163: 289

case of the month: epidemic tumour, Henderson RG; Rahmatulla TD, *Br J Radiol* 1987; 60: 511

case of the season, Kinori I, *Semin Roentgenol* 1987; 22: 146

central nervous system (CNS) manifestations of AIDS, Reilman LL, *Semin Roentgenol* 1987; 22: 4

central nervous system disease in acquired immunodeficiency syndrome: prospective correlation using CT, MR imaging, and pathologic studies, Post MJD; Sheldon JJ; Hensley GT; Soila KP; Tobias JA; Chan JC; Quencer RM; Moskowitz LB, *Radiology* 1986; 158: 141

central nervous system tuberculosis with the acquired immunodeficiency syndrome and its related complex, (ab), Bisburg E; Sunderam G; Reichman LB; et al, *Radiology* 1987; 163: 294

chest x-ray changes in A.I.D.S., Nicolson V; Branson J, *Australas Radiol* 1987; 31: 251

children with AIDS—is pathologic diagnosis possible based on chest radiographs?, Zimmerman BL; Haller JO; Price AP; et al, *Pediatr Radiol* 1987; 17: 303

cholangitis in the acquired immunodeficiency syndrome: report of two cases and review of the literature, (ab), Roulot D; Valla D; Brun-Vezinet F; et al, *Radiology* 1988; 168: 291

closed system for arterial puncture in patients at risk for AIDS, Olsen WL; Jeffrey RB Jr; Tolentino CS, *Radiology* 1988; 166: 551

CMV colitis mimicking Crohn's disease in a patient with acquired immune deficiency syndrome (AIDS), Caroline DF; Hilpert PL; Kussin VL, *J Canad Assoc Radiol* 1987; 38: 227

CNS complications of AIDS: CT and MR findings, Ramsey RG; Geremia GK, *AJR* 1988; 151: 449

computed tomography findings in gastrointestinal involvement by opportunistic organisms in acquired immune deficiency syndrome, Greyson-Fleg KT; Jones B; Fishman EK; et al, *CT* 1986; 10: 175

computed tomography of rectal and perirectal disease in AIDS patients, Albin J; Lewis E; Eftekhari F; et al, *Gastrointest Radiol* 1987; 12: 67

computerized tomographic diagnostic aspects of acquired immunodeficiency syndrome, Weisberg LA; Garcia C; Stazio A, *Comput Med Imag Graph* 1988; 12: 225

congestive cardiomyopathy in association with AIDS, Corboy JR; Fink L; Miller WT, *Radiology* 1987; 165: 139

cryptosporidiosis of the gastric antrum: detection using CT, Soulen MC; Fishman EK; Scarlata JC; Hutchins D; Zerhouni EA, *Radiology* 1986; 159: 705

cutaneous gallium uptake in patients with AIDS with mycobacterium avium-intracellular septicemia, Allwright SJ; Chapman PR; Antico VF; et al, *Clin Nucl Med* 1988; 13: 506

cytomegalic inclusion virus encephalitis in patients with AIDS: CT, clinical, and pathologic correlation, Post MJD; Hensley GT; Moskowitz LB; et al, *AJNR* 1986; 7: 275

cytomegalic inclusion virus encephalitis in patients with AIDS: CT, clinical, and pathologic correlation, Post MJD; Hensley GT; Moskowitz LB; et al, *AJR* 1986; 146: 1229

cytomegalovirus colitis in acquired immune deficiency syndrome: radiologic spectrum, Frager DH; Frager JD; Wolf EL; et al, *Gastrointest Radiol* 1986; 11: 241

cytomegalovirus encephalitis in patients with acquired immunodeficiency syndrome, (ab), Morgello S; Cho E-S; Nielsen S; et al, *Radiology* 1987; 164: 591

cytomegalovirus esophagitis in AIDS: radiographic features in 16 patients, Balthazar EJ; Megibow AJ; Hulnick D; et al, *AJR* 1987; 149: 919

cytomegalovirus infection of the alimentary canal: radiologic findings with pathologic correlation, Teixidor HS; Honig CL; Nonsoph E; Albert S; Mouradian JA; Whalen JP, *Radiology* 1987; 163: 317

diagnosis for interstitial lung disease in patients with acquired immunodeficiency syndrome (AIDS): prospective comparison of bronchial washing, alveolar lavage, transbronchial lung biopsy, and open-lung biopsy, (ab), McKenna RJ Jr; Campbell A; McMurtrey MJ; et al, *Radiology* 1986; 160: 571

efficacy and complications of transthoracic needle biopsy of lung in patients with Pneumocystis carinii pneumonia and AIDS, Batra P; Wallace JM; Ovensfors C-O, *J Thorac Imag* 1987; 2: 79

enhanced mucosal reactions in AIDS patients receiving oropharyngeal irradiation, Watkins EB; Findlay P; Gelmann E; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1403

fine-needle aspiration biopsy of patients with the acquired immunodeficiency syndrome (AIDS): experience in an outpatient clinic, (ab), Bottles K; McPhaul LW; Volberding P, *Radiology* 1988; 168: 592

Acquired immunodeficiency syndrome (AIDS)

- focal esophageal candidiasis in acquired immunodeficiency syndrome (AIDS), Farman J; Tavittian A; Rosenthal LE; et al, *Gastrointest Radiol* 1986; 11: 213
- gallbladder and bile duct abnormalities in AIDS: sonographic findings in eight patients, Romano AJ; vanSonnenberg E; Casola G; et al, *AJR* 1988; 150: 123
- gallium-67 detection of occult gastric lymphoma in AIDS, Gianfelice D; Rosenthal L; Falut J, *AJR* 1987; 149: 305
- gallium-67 imaging of unsuspected cerebral toxoplasmosis in AIDS, Gilbertson V; Oates E, *Clin Nucl Med* 1988; 13: 679
- gallium-67 scans of the chest in patients with acquired immunodeficiency syndrome, Kramer EL; Sanger JJ; Garay SM; et al, *J Nucl Med* 1987; 28: 1107
- gallium scanning in lymphoid interstitial pneumonitis of children with AIDS, Schiff RG; Kabat L; Kamani N, *J Nucl Med* 1987; 28: 1915
- gastric manifestations of autoimmune deficiency syndrome-related Kaposi's sarcoma on computed tomography, Leibman AJ; Gold BM, *CT* 1986; 10: 85
- gastric tuberculosis: manifestation of acquired immunodeficiency syndrome, Brody JM; Miller DK; Zeman RK; Klappenbach RS; Jaffe MH; Clark LR; Benjamin SB; Choyke PL, *Radiology* 1986; 159: 347
- gastrointestinal complications of AIDS: radiologic features, Frager DH; Frager JD; Brandt LJ; Wolf EL; Rand LG; Klein RS; Beneventano TC, *Radiology* 1986; 158: 597
- heterotopic ossification (myositis ossificans) in acquired immunodeficiency syndrome: detection by gallium scintigraphy, Drane WE; Tipler BM, *Clin Nucl Med* 1987; 12: 433
- histologic features of hyperplastic lymphadenopathy in AIDS-related complex are nonspecific, (ab), O'Murchadha MT; Wolf BC; Neiman RS, *Radiology* 1987; 164: 296
- histoplasmosis involving the omentum in an AIDS patient: CT demonstration, Alterman DD; Cho KC, *JCAT* 1988; 12: 664
- human T-cell lymphotropic virus type III (HTLV-III) embryopathy, (ab), Marion RW; Wiznia AA; Hutcheon RG; et al, *Radiology* 1987; 163: 838
- indications for and diagnostic efficacy of open-lung biopsy in the patient with acquired immunodeficiency syndrome (AIDS), (ab), Pass HI; Potter D; Shelhammer J; et al, *Radiology* 1986; 160: 571
- innocent intramural gastric uptake of gallium-67 in a case of AIDS, McNeill JA; Liauro DG, *Clin Nucl Med* 1986; 11: 123
- intestinal infections in patients with the acquired immunodeficiency syndrome (AIDS): etiology and response in therapy, (ab), Smith PD; Lane HC; Gill V; et al, *Radiology* 1988; 169: 585
- intrathoracic Kaposi sarcoma in AIDS patients: radiographic-pathologic correlation, Davis SD; Henschke CI; Chalmers BK; Westcott JL, *Radiology* 1987; 163: 495
- Kaposi's sarcoma involving the thyroid in a patient with AIDS, Krauth PH; Katz JF, *Clin Nucl Med* 1987; 12: 848
- Kaposi's sarcoma of the lung in AIDS: radiologic-pathologic analysis, Sivitz CJ; Schwartz AM; Rockoff SD, *AJR* 1987; 148: 25
- lesions of the head and neck in patients with AIDS: CT and MR findings, Olsen WL; Jeffrey RB Jr; Sooy CD; et al, *AJNR* 1988; 9: 693
- lymphocytic interstitial pneumonitis: a cause of pulmonary gallium-67 uptake in a child with acquired immunodeficiency syndrome, Zuckier LS; Ongseng F; Goldfarb CR, *J Nucl Med* 1988; 29: 707
- magnetic resonance imaging and the acquired immunodeficiency syndrome dementia complex, Ekholm S; Simon JH, *Acta Radiol* 1988; 29: 227
- MRI appearance of AIDS subacute encephalopathy, Shabas D; Gerard G; Cunha B; et al, *Comput Radiol* 1987; 11: 69
- multifocal abnormalities of the gastrointestinal tract in AIDS, Wall SD; Ominsky S; Altman DF; et al, *AJR* 1986; 146: 1
- negative gallium scan in an AIDS patient with *Pneumocystis pneumonia*, Binstock P; Barnett C; McCabe R, *Br J Radiol* 1987; 60: 714
- neurologic manifestations of AIDS, (ab), McArthur JC, *Radiology* 1988; 167: 887
- neurologic manifestations of infection with human immunodeficiency virus: clinical features and pathogenesis, (ab), Gabuzda DH; Hirsch MS, *Radiology* 1988; 167: 591
- neuropathology of AIDS: UCLA experience and review, (ab), Anders KH; Guerra WF; Tomiyasu U; et al, *Radiology* 1987; 163: 294
- neuroradiologic findings in AIDS: review of 200 cases, Levy RM; Rosenbloom S; Perrett LV, *AJNR* 1986; 7: 833
- neuroradiology of AIDS, Sze G; Brant-Zawadzki MN; Norman D; et al, *Semin Roentgenol* 1987; 22: 42
- nonspecific interstitial pneumonitis: a common cause of pulmonary disease in the acquired immunodeficiency syndrome, (ab), Suffredini AF; Ognibene FP; Lack EE; et al, *Radiology* 1988; 167: 586
- nonspecific interstitial pneumonitis in patients with AIDS: radiologic features, Simmons JT; Suffredini AF; Lack EE; et al, *AJR* 1987; 149: 265
- nontuberculous mycobacterial infection in AIDS: clinical, pathologic, and radiographic features, Marinelli DL; Albelda SM; Williams TM; Kern JA; Iozzo RV; Miller WT, *Radiology* 1986; 160: 77
- nuclear medicine, RSNA '87 meeting notes, Siegel BA; Alderson PO; Brown ML; Mettler FA Jr; Miller TR, *Radiology* 1988; 166: 615
- opportunistic esophagitis in AIDS: radiographic diagnosis, Levine MS; Woldenberg R; Herlinger H; Laufer I, *Radiology* 1987; 165: 815
- opportunistic intracranial infection in AIDS: detection by technetium-99m DTPA brain scintigraphy, Shih W-J; Domstad PA; DeLand FH, *J Nucl Med* 1986; 27: 498
- opportunistic lung infection caused by *Rhodococcus corynebacterium* equi, MacGregor JH; Samuelson WM; Sane DC; Godwin JD, *Radiology* 1986; 160: 83
- otolaryngologic and head and neck manifestations of acquired immunodeficiency syndrome (AIDS), (ab), Marcusen DC; Sooy CD, *Radiology* 1986; 158: 861
- partial, combined cortical and medullary neurocalcinosis: US and CT patterns in AIDS-associated MAI infection, Falkoff CE; Rigby CM; Rosenfield AT, *Radiology* 1987; 162: 343
- patchy uptake of gallium in the lungs of AIDS patients with atypical mycobacterial infection, Skarzynski JJ; Sherman W; Lee HK; et al, *Clin Nucl Med* 1987; 12: 507
- patterns of gallium-67 scintigraphy in patients with acquired immunodeficiency syndrome and the AIDS related complex, Bitran J; Bekerman C; Weinstein R; et al, *J Nucl Med* 1987; 28: 1103
- pediatric AIDS, Amodio JB; Abramson SJ; Berdon WE; et al, *Semin Roentgenol* 1987; 22: 66
- percutaneous needle lung aspiration for diagnosing pneumonitis in the patient with acquired immunodeficiency syndrome (AIDS), (ab), Wallace JM; Batra P; Gong H Jr; et al, *Radiology* 1986; 160: 572
- pharyngeal Kaposi's sarcoma in patients with AIDS, Emery CD; Wall SD; Federle MP; et al, *AJR* 1986; 147: 919
- pneumocystis carinii pneumonia presenting as cavitating and noncavitating solitary pulmonary nodules in patients with the acquired immunodeficiency syndrome, (ab), Barrio JL; Suarez M; Rodriguez JL; et al, *Radiology* 1987; 163: 587
- pneumonia in children and some of its variants, Griscorn NT, *Radiology* 1988; 167: 297
- progressive multifocal leukoencephalopathy associated with human immunodeficiency virus infection: a review of the literature with a report of sixteen cases, (ab), Berger JR; Kaszovitz B; Post MJD; et al, *Radiology* 1988; 167: 591
- pulmonary complications of the acquired immunodeficiency syndrome: an update: report of the second National Heart, Lung and Blood Institute workshop, (ab), Murray JF; Garay SM; Hopewell PC; et al, *Radiology* 1987; 164: 588
- pulmonary disease in children with acquired immunodeficiency syndrome and AIDS-related complex, (ab), Rubinstein A; Morecki R; Silverman B; et al, *Radiology* 1986; 160: 862
- pulmonary Kaposi's sarcoma in the acquired immunodeficiency syndrome: clinical, radiographic, and pathologic manifestations, (ab), Meduri GU; Stover DE; Lee M; et al, *Radiology* 1987; 162: 587
- pulmonary manifestations of AIDS: review of 106 episodes, Suster B; Akerman M; Orenstein M; Wax MR, *Radiology* 1986; 161: 87
- radiation therapy in AIDS related Kaposi's sarcoma, O'Brien PC; Denham JW, *Australas Radiol* 1987; 31: 319
- radiographic manifestations of pulmonary disease in the acquired immunodeficiency syndrome (AIDS), Naidich DP; Garay SM; Leitman BS; et al, *Semin Roentgenol* 1987; 22: 14
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, *Radiology* 1988; 166: 553
- radiology of immunologic diseases of the lung, Rubin SA, *J Thorac Imag* 1988; 3-2: 21
- radiology of nonneoplastic gastrointestinal disorders in acquired immunodeficiency syndrome, Megibow AJ; Balthazar EJ; Hulnick DH, *Semin Roentgenol* 1987; 22: 31
- reactivation of congenital cytomegalic inclusion disease in an infant with HTLV-III associated immunodeficiency: CT-pathologic correlation, Post MJD; Curless RG; Gregorios JB; et al, *JCAT* 1986; 10: 533
- renal involvement in AIDS: sonographic-pathologic correlation, Hamper UM; Goldblum LE; Hutchings GM; et al, *AJR* 1988; 150: 1321
- risk of nosocomial infection with human T-cell lymphotropic virus type III/lymphadenopathy-associated virus in a large cohort of intensively exposed health care workers, (ab), Henderson DK; Saah AJ; Zak BJ; et al, *Radiology* 1986; 161: 283
- risk of transmitting the human immunodeficiency virus, cytomegalovirus, and hepatitis B virus to health care workers exposed to patients with AIDS and AIDS-related conditions, (ab), Gerberding JL; Bryant-LeBlanc CE; Nelson K; et al, *Radiology* 1988; 166: 296
- roentgenographic patterns of pneumocystis carinii pneumonia in 104 patients with AIDS, (ab), DeLorenzo LJ; Huang CT; Maguire GP; et al, *Radiology* 1987; 164: 882
- secondary pulmonary alveolar proteinosis occurring in two patients with acquired immunodeficiency syndrome, (ab), Ruben FL; Talamo TS, *Radiology* 1987; 162: 587
- simple apparatus to avoid inadvertent needle puncture, vanSonnenberg E; Casola G; Mayse M, *Radiology* 1988; 166: 550
- single photon emission computed tomography in AIDS dementia complex, Pohl P; Vogl G; Fill H; et al, *J Nucl Med* 1988; 29: 1382
- splenic size on routine chest films in AIDS: diagnostic and prognostic significance, Pugh P; Brenner M; Milne ENC, *J Thorac Imag* 1988; 3-2: 40
- spontaneous pneumothorax in AIDS patients with *Pneumocystis carinii* pneumonia, Goodman PC; Daley C; Minagi H, *AJR* 1986; 147: 79
- squamous cell carcinoma of the esophagus in patients with acquired immunodeficiency syndrome, Frager DH; Wolf EL; Competiello LS, *Gastrointest Radiol* 1988; 13: 358
- surgical management of spontaneous pneumothorax in patients with acquired immunodeficiency syndrome, (ab), Fleisher AG; McElvaney G; Lawson L; et al, *Radiology* 1988; 168: 587
- technetium-99m DTPA aerosol and gallium scanning in acquired immunodeficiency syndrome, Picard C; Meignan M; Koss J; et al, *Clin Nucl Med* 1987; 12: 501
- unilateral calcification and contrast enhancement of the basal ganglia in a child with AIDS encephalopathy, Epstein LG; Berman CZ; Sharer LR; et al, *AJNR* 1987; 8: 163

usual and unusual radiologic manifestations of acquired immunodeficiency syndrome (AIDS) and human immunodeficiency virus (HIV) infection in children, Bradford BF, Abdenour GE Jr, Frank JL; et al, *Radiol Clin North Am* 1988; 26: 341

utility of gallium-67 scintigraphy and bronchial washings in the diagnosis and treatment of *Pneumocystis carinii* pneumonia in patients with the acquired immune deficiency syndrome, (ab), Tuazon CU, Delaney MD, Simon GL; et al, *Radiology* 1986; 159: 569

utility of gallium imaging in the diagnosis of mycobacterium avium-intracellular infection in patients with the acquired immunodeficiency syndrome, Bach MC, Bagwell SP, Masur H, *Clin Nucl Med* 1986; 11: 175

value of bronchoalveolar lavage in the diagnosis of mycobacterium infection in acquired immune deficiency syndrome, (ab), Orenstein M, Weber CA, Cash M; et al, *Radiology* 1987; 162: 290

white matter disease in AIDS: findings at MR imaging, Olsen WL, Longo FM, Mills CM; Norman D, *Radiology* 1988; 169: 445

Acromegaly

extrathoracic airway in acromegaly, Morewood DJW, Belchitz PE; Evans CC; et al, *Clin Radiol* 1986; 37: 243

kissing intrasellar carotid arteries in acromegaly: CT demonstration, Sacher M, Som PM, Shugar JMA; et al, *JCAT* 1986; 10: 1033

metastatic pitting in acromegaly: a proposed mechanism based on CT findings, Doppman JL, Sharon M, Gordon P, *JCAT* 1988; 12: 708

Acro-osteolysis

See Osteolysis

Actinomycosis

actinomycosis: CT findings in six patients, Allen HA III, Scarige JC, Kim MH, *AJR* 1987; 149: 1255

actinomycosis involving the liver: computed tomography/ultrasound correlation, Sheth S, Fishman EK, Sanders RC, *J Ultrasound Med* 1987; 6: 329

actinomycotic granuloma of the trigeminal ganglion, Atri M, Robertson WD; Durity FA; et al, *AJNR* 1987; 8: 167

case report 395, Mesgarzadeh M; Bonakdarpour A; Radecki PD, *Skeletal Radiol* 1986; 15: 584

CT findings in abdominal actinomycosis, Shah HR, Williamson MR, Boyd CM; et al, *JCAT* 1987; 11: 466

CT myelography of cauda equina actinomycosis, Osborn RE, Mojtahedi S, *JCAT* 1987; 11: 361

hepatic actinomycosis: CT features, Roessler PJ Jr, Wills JS, *JCAT* 1986; 10: 335

radionuclide angiography in two cases of hepatic actinomycosis, Ueno K, Kabuto H; Haseda Y; et al, *Clin Nucl Med* 1986; 11: 44

scintigraphic findings in chronic actinomycosis osteomyelitis and associated soft tissue infection, Grund FM, Ewing SL; Shafer RB, *Clin Nucl Med* 1986; 11: 23

Addison disease

See Adrenal gland, insufficiency

Adenocarcinoma

ACUPS (adenocarcinoma of unknown primary site): a clinical and cost benefit analysis, Hamilton CS; Langlands AO, *Int J Radiat Oncol Biol Phys* 1987; 13: 1497

age-dependent variation of T1 and T2 relaxation times of adenocarcinoma in mice, Kovalikova Z; Hoehn-Berlage MH; Gersonde K; Porschen R; Mittermayer C; Franke R-P, *Radiology* 1987; 164: 543

carcinoma of the ampulla of Vater, (ab), Hayes DH; Bolton JS; Willis GW; et al, *Radiology* 1988; 167: 882

case of the season, Pope TL Jr, *Semin Roentgenol* 1987; 22: 137

case report: metastatic adenocarcinoma masquerading as a psoas abscess, Avery GR, *Clin Radiol* 1988; 39: 319

cold technetium-99m HDP and hot gallium-67 images of metastatic adenocarcinoma of bone, Ahn C-S; Tow DE, *Clin Nucl Med* 1988; 13: 371

contribution of SPECT to imaging of gastrointestinal adenocarcinoma with ¹¹¹In-labeled anti-CEA monoclonal antibody, Kramer EL; Sanger JJ; Walsh C; et al, *AJR* 1988; 151: 697

CT detection of calcified nodal metastases of lung adenocarcinoma, Austin JHM; Grimes MM; Carberry D, *JCAT* 1988; 12: 314

early effects of preoperative irradiation upon the cell cycle composition in rectal adenocarcinomas: flow-cytometric DNA investigation, Hammarberg C; Tribukait B; Ohman U, *Acta Oncol* 1986; 25: 45

follicular adenocarcinoma arising in a thyroglossal duct remnant, Johnson LA; Polga JP, *Clin Nucl Med* 1988; 13: 378

inoperable adenocarcinoma of endometrium: radiation therapy, Wang M-L; Hussey DH; Vigliotti AP; Benda J; Wen B-C; Doornbos JF; Anderson B, *Radiology* 1987; 165: 561

is adenocarcinoma/large cell carcinoma the most radiocurable type of cancer of the lung?, Cox JD; Barber-Derus S; Hartz AJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1801

medically inoperable stage I adenocarcinoma of the endometrium treated with radiotherapy alone, Grigsby PW; Kuske RR; Perez CA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 483

metastatic adenocarcinoma of the paraspinal muscles, O'Keeffe D; Gholkar A, *Br J Radiol* 1988; 61: 849

papillary adenocarcinoma of the rete testis: sonographic findings, Smith SJ; Vogelzang RL; Smith WM; et al, *AJR* 1987; 148: 1147

postoperative radiotherapy in stage II and III renal adenocarcinoma: a randomized trial by the Copenhagen renal cancer study group, Kjaer M; Frederiksen PL; Engelholm SA, *Int J Radiat Oncol Biol Phys* 1987; 13: 665

primary adenocarcinoma of the terminal ileum simulating Crohn's disease, Callego MS; Pulpeiro JR; Arenas A; et al, *Gastrointest Radiol* 1986; 11: 355

primary fallopian tube adenocarcinoma presenting as a hydrosalpinx: CT appearance, Shamam OM; Bennett WF; Teteris NJ; et al, *JCAT* 1988; 12: 674

renal adenocarcinoma and end stage kidney disease, (ab), Boileau M; Foley R; Flechner S; et al, *Radiology* 1988; 166: 909

split course radiation therapy for adenocarcinoma of the pancreas, Flickinger J; Jawalekar K; Deutsch M; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 359

treatment and prognosis of patients with renal adenocarcinoma with solitary metastasis. 10 year survival results, Kjaer M, *Int J Radiat Oncol Biol Phys* 1987; 13: 619

Adenoids

unsuspected non-Hodgkin's lymphoma of the tonsils and adenoids in children, (ab), Ridgway D; Wolff LJ; Neerhout RC; et al, *Radiology* 1987; 165: 296

Adenoma

See neoplasms under the name of a specific organ

Adrenal gland, abnormalities

adrenal hypertrophy: possible pitfall in the sonographic diagnosis of renal agenesis, McGahan JP; Myracle MR, *J Ultrasound Med* 1986; 5: 265

adrenocortical micronodular dysplasia, cardiac myxomas, lentiginos, and spindle cell tumors, (ab), Danoff A; Jormark S; Lorber D; et al, *Radiology* 1987; 164: 293

calcification in the adrenal glands associated with disseminated herpes simplex infection, Morrison SC; Comisky E; Fletcher BD, *Pediatr Radiol* 1988; 18: 240

CT diagnosis of adrenal abnormalities in patients with primary non-adrenal malignancies, Hussain S; Belldugra A; Seltzer SE; et al, *Eur J Radiol* 1986; 6: 127

imaging of the adrenal glands, Glazer GM; Francis IR; Quint LE, *Invest Radiol* 1988; 23: 3

intravascular papillary endothelial hyperplasia of the adrenal gland, Kawashima A; Johsen T; Murayama S; et al, *Br J Radiol* 1986; 59: 610

macronodular adrenal hyperplasia in Cushing disease, Doppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield E; Loriaux DL, *Radiology* 1988; 166: 347

right adrenal pseudotumor caused by colon: CT demonstration, Schwartz JM; Bosniak MA; Megibow AJ; et al, *JCAT* 1988; 12: 153

Adrenal gland, abscess

computed tomography of adrenal abscess, O'Brien WM; Choyke PL; Copeland J; et al, *JCAT* 1987; 11: 550

Adrenal gland, biopsy

fine-needle aspiration biopsy of adrenal tuberculosis, Yee ACN; Gopinath N; Ho C-S; et al, *J Canad Assoc Radiol* 1986; 37: 287

management of the asymptomatic patient with a unilateral adrenal mass, Bernardino ME, *Radiology* 1988; 166: 121

unsuspected pheochromocytoma: risk of blood-pressure alterations during percutaneous adrenal biopsy, Casola G; Nicolet V; vanSonnenberg E; Withers C; Bretagnolle M; Saba RM, *Radiology* 1986; 159: 733

Adrenal gland, CT

adrenal masses in oncologic patients: functional and morphologic evaluation, Francis IR; Smid A; Gross MD; Shapiro B; Naylor B; Glazer GM, *Radiology* 1988; 166: 353

adrenoleukodystrophy: imaging with CT, MRI, and PET, Volkow ND; Patehell L; Kulkarni MV; et al, *J Nucl Med* 1987; 28: 524

atypical CT scans in adrenoleukodystrophy, Hong-Magno ET; Muraki AS; Huttenlocher PR, *JCAT* 1987; 11: 333

calcified adrenal masses, Kenney PJ; Stanley RJ, *Urol Radiol* 1987; 9: 9

case report: an unusual appearance of a left adrenal mass on computed tomography, Pombo Felipe F; Marini M; Arroyo Suarez De Centi L; et al, *Clin Radiol* 1988; 39: 99

comparative assessment of ultrasonography and computed tomography in adrenal disorders, Yamakita N; Yasuda K; Goshima E; et al, *Ultrasound Med Biol* 1986; 12: 23

computed tomography in the early detection of congenital lipid adrenal hyperplasia, Ogata T; Ishikawa K; Kohda E; et al, *Pediatr Radiol* 1988; 18: 360

computed tomography in the evaluation of adrenal glands in infants and children, Mahboubi S; Patel K; O'Neill JA, *CT* 1988; 12: 240

computed tomography in untreated adults with virilizing congenital adrenal cortical hyperplasia, Falke THM; van Seters AP; Schaberg A; et al, *Clin Radiol* 1986; 37: 155

computed tomography of adrenal abscess, O'Brien WM; Choyke PL; Copeland J; et al, *JCAT* 1987; 11: 550

CT and MRI of adrenal lesions, Dunnick NR, *Urol Radiol* 1988; 10: 12

CT and MR of the adrenal glands, Schultz CL, *Semin US CT MR* 1986; 7: 219

CT and ultrasound features of post-traumatic adrenal hemorrhage, Wilms GE; Marchal GJF; Baert AL; et al, *JCAT* 1987; 11: 112

CT diagnosis of adrenal abnormalities in patients with primary non-adrenal malignancies, Hussain S; Belldugra A; Seltzer SE; et al, *Eur J Radiol* 1986; 6: 127

CT findings in Addison's disease caused by tuberculosis, Sawczuk IS; Reitelman C; Libby C; et al, *Urol Radiol* 1986; 8: 44

CT of adult adrenal cortical carcinoma: six years experience, Cranston PE; Morano JU, *Comput Med Imag Graph* 1988; 12: 115

detection of adrenal melanoma with computed tomography, Parker LA; Vincent LM, *Urol Radiol* 1986; 8: 209

differentiation between small benign and malignant adrenal masses with dynamic incremented CT, Berland LL; Koslin DB; Kenney PJ; et al, *AJR* 1988; 151: 95

extramedullary hematopoiesis in the adrenal glands: CT characteristics, King BF; Koepke KK; Baker MK; et al, *JCAT* 1987; 11: 342

imaging of the adrenal glands, Glazer GM; Francis IR; Quint LE, *Invest Radiol* 1988; 23: 3

incidentally discovered mass of the adrenal gland, (ab), Belldugra A; Hussain S; Seltzer SE; et al, *Radiology* 1987; 162: 885

Adrenal gland, CT

macronodular adrenal hyperplasia in Cushing disease, Doppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield E; Loriaux DL, *Radiology* 1988; 166: 347

management of the asymptomatic patient with a unilateral adrenal mass, Bernardino ME, *Radiology* 1988; 166: 121

miliary tuberculosis associated with adrenal enlargement: CT appearance, Hauser H; Gurrett JP, *JCAT* 1986; 10: 254

MR imaging of the adrenals: correlation with computed tomography, Falke THM; te Strake L; Shaff MI; et al, *JCAT* 1986; 10: 242

pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, Quint LE; Glazer GM; Francis IR; Shapiro B; Chenevert TL, *Radiology* 1987; 165: 89

pituitary and adrenal CT of Cushing syndrome, Pojunaš KW; Daniels DL; Williams AL; et al, *AJNR* 1986; 7: 271

pituitary and adrenal CT of Cushing syndrome, Pojunaš KW; Daniels DL; Williams AL; et al, *AJR* 1986; 146: 1235

primary adrenal lymphoma: CT and sonographic appearances, Vicks BS; Perusek M; Johnson J; et al, *JCU* 1987; 15: 135

primary adrenocortical carcinoma: CT evaluation with clinical correlation, Fishman EK; Deutch BM; Hartman DS; et al, *AJR* 1987; 148: 531

right adrenal pseudotumor caused by colon: CT demonstration, Schwartz JM; Bosniak MA; Megibow AJ; et al, *JCAT* 1988; 12: 153

Adrenal gland, cysts

sonographic diagnosis of a large hemorrhagic adrenal cyst in an adult, Barki Y; Eilig I; Moses M; et al, *JCU* 1987; 15: 194

Adrenal gland, diseases

benign adrenal lesions mimicking malignancy on MR imaging: report of two cases, Baker ME; Spritzer CE; Blinder R; Herfkens RJ; Leight GS; Dunnick NR, *Radiology* 1987; 163: 669

comparative assessment of ultrasonography and computed tomography in adrenal disorders, Yamakita N; Yasuda K; Goshima E; et al, *Ultrasound Med Biol* 1986; 12: 23

computed tomography in untreated adults with virilizing congenital adrenal cortical hyperplasia, Falke THM; van Seters AP; Schaberg A; et al, *Clin Radiol* 1986; 37: 155

delineation of adrenal in controls and nontumorous adrenal disorders by real-time ultrasonic-scanner, Yamakita N; Yasuda K; Miura K, *Ultrasound Med Biol* 1986; 12: 107

difficulties in the prospective diagnosis of functional adrenal diseases by CT, Kenney PJ; Streeten DP; Anderson GH, *Urol Radiol* 1986; 8: 184

functional adrenal disease: radiologic evaluation in a patient with anomalous kidneys, Kenney PJ; Keller FS; Koehler RE, *AJR* 1986; 147: 289

macronodular adrenal hyperplasia in Cushing disease, Doppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield E; Loriaux DL, *Radiology* 1988; 166: 347

miliary tuberculosis associated with adrenal enlargement: CT appearance, Hauser H; Gurrett JP, *JCAT* 1986; 10: 254

MR imaging of the adrenal gland in Sipple disease, Mathieu E; Despres E; Delphine N; et al, *JCAT* 1987; 11: 790

MR imaging of the adrenals: correlation with computed tomography, Falke THM; te Strake L; Shaff MI; et al, *JCAT* 1986; 10: 242

Adrenal gland, hemorrhage

CT and ultrasound features of post-traumatic adrenal hemorrhage, Wilms GE; Marchal GJF; Baert AL; et al, *JCAT* 1987; 11: 112

enlargement of adrenal glands preceding adrenal hemorrhage, Nissenbaum M; Jequier S, *JCU* 1988; 16: 349

non-functioning kidney associated with neonatal adrenal hemorrhage: report of 2 cases, Starinsky R; Manor A; Segal M, *Pediatr Radiol* 1986; 16: 427

right adrenal gland hemorrhage as a complication of liver transplantation: CT appearance, Solomon N; Sumkin J, *JCAT* 1988; 12: 95

simultaneous renal vein thrombosis and bilateral adrenal hemorrhage: MR demonstration, Koch KJ; Cory DA, *JCAT* 1986; 10: 681

traumatic adrenal hemorrhage: radiologic findings, Murphy BJ; Casillas J; Yrizarry JM, *Radiology* 1988; 169: 701

ultrasound diagnosis of adrenal hemorrhage in meningococemia, Sarnaik AP; Sanfilippo DJ; Slovis TL, *Pediatr Radiol* 1988; 18: 427

Adrenal gland, insufficiency

Addison's disease due to tuberculosis in a 13-year-old girl, Jagannath A; Brill PW; Winchester P, *Pediatr Radiol* 1986; 16: 522

adrenal magnetic resonance imaging in Addison's disease, Baker DE; Glazer GM; Francis IR, *Urol Radiol* 1988; 9: 199

adrenoleukodystrophy: correlating MR imaging with CT, Kumar AJ; Rosenbaum AE; Naidu S; Wener L; Citrin CM; Lindenberger R; Kim WS; Zinreich SJ; Molliver ME; Mayberg HS; Moser HW, *Radiology* 1987; 165: 497

adrenoleukodystrophy: imaging with CT, MRI, and PET, Volkow ND; Patchell L; Kulkarni MV; et al, *J Nucl Med* 1987; 28: 524

atypical CT scans in adrenoleukodystrophy, Hong-Magno ET; Muraki AS; Huttenlocher PR, *JCAT* 1987; 11: 333

case report: pituitary enlargement associated with Addison's disease, Mineura K; Goto T; Yoneya M; et al, *Clin Radiol* 1987; 38: 435

CT findings in Addison's disease caused by tuberculosis, Sawczuk IS; Reitelman C; Libby C; et al, *Urol Radiol* 1986; 8: 44

Adrenal gland, MR studies

adrenal gland: MR imaging, Chang A; Glazer HS; Lee JKT; Ling D; Heiken JP, *Radiology* 1987; 163: 123

adrenal gland: MR imaging, McGahan JP, *Radiology* 1988; 166: 284

adrenal gland: MR imaging: reply, Glazer HS; Lee JKT, *Radiology* 1988; 166: 285

adrenal magnetic resonance imaging in Addison's disease, Baker DE; Glazer GM; Francis IR, *Urol Radiol* 1988; 9: 199

adrenal masses: characterization with T1-weighted MR imaging, Chezar JL; Robbins SM; Nelson RC; Steinberg HV; Torres WE; Bernardino ME, *Radiology* 1988; 166: 357

adrenal masses differentiated by MR, Reinig JW; Doppman JL; Dwyer AJ; Johnson AR; Knop RH, *Radiology* 1986; 158: 81

adrenal masses: characterization using MR imaging, Glazer GM; Woolsey EJ; Borrello J; Francis IR; Aisen AM; Bookstein FL; Amendola MA; Gross MD; Bree RL; Martel W, *Radiology* 1986; 158: 73

adrenoleukodystrophy: imaging with CT, MRI, and PET, Volkow ND; Patchell L; Kulkarni MV; et al, *J Nucl Med* 1987; 28: 524

benign adrenal lesions mimicking malignancy on MR imaging: report of two cases, Baker ME; Spritzer CE; Blinder R; Herfkens RJ; Leight GS; Dunnick NR, *Radiology* 1987; 163: 669

CT and MRI of adrenal lesions, Dunnick NR, *Urol Radiol* 1988; 10: 12

CT and MR of the adrenal glands, Schultz CL, *Semin US CT MR* 1986; 7: 219

high-resolution MR imaging using loop-gap resonators: work in progress, Kneeland JB; Jesmanowicz A; Francis W; Grist TM; Hyde JS, *Radiology* 1986; 158: 247

imaging of the adrenal glands, Glazer GM; Francis IR; Quint LE, *Invest Radiol* 1988; 23: 3

magnetic resonance imaging of the adrenal glands, Falke THM; te Strake L; Sandler MP; Shaff MI; Page DL; Bloem JL; van Seters AP; Fartain CL; James AE Jr; Bluem RM, *Radiographics* 1987; 7: 343

magnetic resonance imaging of the adrenal glands, Mezrich R; Banner MP; Pollack HM, *Urol Radiol* 1986; 8: 127

management of the asymptomatic patient with a unilateral adrenal mass, Bernardino ME, *Radiology* 1988; 166: 121

MR imaging of a large adrenal cyst, Pastakia B; Miller I; Wolfman M; et al, *JCAT* 1986; 10: 710

MR imaging of the adrenal gland in Sipple disease, Mathieu E; Despres E; Delphine N; et al, *JCAT* 1987; 11: 790

MR imaging of the adrenals: correlation with computed tomography, Falke THM; te Strake L; Shaff MI; et al, *JCAT* 1986; 10: 242

MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, *Radiology* 1988; 166: 303

MRI of indeterminate adrenal masses, Reinig JW; Doppman JL; Dwyer AJ; et al, *AJR* 1986; 147: 493

pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, Quint LE; Glazer GM; Francis IR; Shapiro B; Chenevert TL, *Radiology* 1987; 165: 89

traumatic adrenal hemorrhage: radiologic findings, Murphy BJ; Casillas J; Yrizarry JM, *Radiology* 1988; 169: 701

Adrenal gland, neoplasms

adrenal-cell carcinoma and rhabdomyosarcoma occurring in father and daughter: "SBLA" syndrome?, Tomlinson MJ; Bullimore JA, *Br J Radiol* 1987; 60: 89

adrenal cortical carcinoma: survival after radiotherapy, Magee BJ; Gattamaneni HR; Pearson D, *Clin Radiol* 1987; 38: 587

adrenal gland: MR imaging, Chang A; Glazer HS; Lee JKT; Ling D; Heiken JP, *Radiology* 1987; 163: 123

adrenal gland: MR imaging, McGahan JP, *Radiology* 1988; 166: 284

adrenal gland: MR imaging: reply, Glazer HS; Lee JKT, *Radiology* 1988; 166: 285

adrenal hemangioma: case report, Auh YH; Anand J; Zirinsky K; et al, *CT* 1986; 10: 57

adrenal masses: characterization with T1-weighted MR imaging, Chezar JL; Robbins SM; Nelson RC; Steinberg HV; Torres WE; Bernardino ME, *Radiology* 1988; 166: 357

adrenal masses differentiated by MR, Reinig JW; Doppman JL; Dwyer AJ; Johnson AR; Knop RH, *Radiology* 1986; 158: 81

adrenal masses in oncologic patients: functional and morphologic evaluation, Francis IR; Smid A; Gross MD; Shapiro B; Naylor B; Glazer GM, *Radiology* 1988; 166: 353

adrenal myelolipoma: diagnosis by fine-needle aspiration, Gould JD; Mitty HA; Pertsemidis D; et al, *AJR* 1987; 148: 921

adrenal myelolipoma: impact of modern investigations on the diagnosis and patient management, Lau LSW, *Australas Radiol* 1987; 31: 58

adrenal neoplasms in children, Daneman A, *Semin Roentgenol* 1988; 23: 205

adrenal tissue characterization using MR imaging, Glazer GM; Woolsey EJ; Borrello J; Francis IR; Aisen AM; Bookstein FL; Amendola MA; Gross MD; Bree RL; Martel W, *Radiology* 1986; 158: 73

adrenal tumors: involvement of the inferior vena cava, (ab), Ritchey ML; Kinard R; Novicki DE, *Radiology* 1988; 167: 294

adrenocortical neoplasm in children: ultrasound appearance, Davies RP; Lam AH, *J Ultrasound Med* 1987; 6: 325

antenatal sonographic diagnosis of adrenal neuroblastoma, Fowlie F; Giacomantonio M; McKenzie E; et al, *J Canad Assoc Radiol* 1986; 37: 50

arterial embolization of adrenal tumors: results in nine cases, O'Keeffe FN; Carrasco CH; Charnsangavej C; et al, *AJR* 1988; 151: 819

benign adrenal lesions mimicking malignancy on MR imaging: report of two cases, Baker ME; Spritzer CE; Blinder R; Herfkens RJ; Leight GS; Dunnick NR, *Radiology* 1987; 163: 669

calcified adrenal masses, Kenney PJ; Stanley RJ, *Urol Radiol* 1987; 9: 9

case report: adrenal haemangioma coexisting with malignant haemangioendothelioma, Nakagawa N; Takahashi M; Maeda K; et al, *Clin Radiol* 1986; 37: 97

- case report: an unusual appearance of a left adrenal mass on computed tomography, Pombo Felipe F; Marini M; Arrojo Suarez De Centi L; et al, Clin Radiol 1988; 39: 99
- case report: malignant teratoma presenting with an adrenal mass, McMillan A; Horwich A, Clin Radiol 1987; 38: 327
- congenital hemihypertrophy with adrenal adenoma and medullary sponge kidney, Tomooka Y; Onitsuka H; Goya T; et al, Br J Radiol 1988; 61: 851
- CT and MRI of adrenal lesions, Dunnick NR, Urol Radiol 1988; 10: 12
- CT diagnosis of adrenal abnormalities in patients with primary non-adrenal malignancies, Hussain S; Belldgrun A; Seltzer SE; et al, Eur J Radiol 1986; 6: 127
- CT localization of an aldosteronoma in a 10-year-old boy, Filiatrault D; Perreault G; Laberge JM; et al, Pediatr Radiol 1986; 16: 85
- CT of adult adrenal cortical carcinoma: six years experience, Cranston PE; Morano JU, Comput Med Imag Graph 1988; 12: 115
- cystic schwannoma mimicking adrenal tumor, Andreu J; Alegret X; Pérez C; et al, Comput Med Imag Graph 1988; 12: 183
- detection of adrenal melanoma with computed tomography, Parker LA; Vincent LM, Urol Radiol 1986; 8: 209
- differentiation between small benign and malignant adrenal masses with dynamic incremented CT, Berland LL; Koslin DB; Kenney PJ; et al, AJR 1988; 151: 95
- functional and scintigraphic evaluation of the silent adrenal mass, Gross MD; Wilton GP; Shapiro B; et al, J Nucl Med 1987; 28: 1401
- gadolinium-DTPA enhanced MR imaging of intravenous extension of adrenocortical carcinoma, Falke THM; Peetoom JJ; de Roos A; et al, JCAT 1988; 12: 331
- gallium-67 uptake by a benign adrenocortical adenoma, Jackson JA; Naul LG; Montgomery JL; et al, J Nucl Med 1988; 29: 1451
- incidentally discovered mass of the adrenal gland, (ab), Belldgrun A; Hussain S; Seltzer SE; et al, Radiology 1987; 162: 885
- isolated clinical syndrome of primary aldosteronism in four patients with adrenocortical carcinoma, (ab), Farge D; Chatellier G; Pagny J-Y; et al, Radiology 1988; 167: 294
- macronodular adrenal hyperplasia in Cushing disease, Doppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield E; Loriaux DL, Radiology 1988; 166: 347
- management of the asymptomatic patient with a unilateral adrenal mass, Bernardino ME, Radiology 1988; 166: 121
- massive bilateral non-Hodgkin's lymphomas of the adrenals, Feldberg MAM; Hendriks MJ; Klinkhamer AC, Urol Radiol 1986; 8: 85
- MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, Radiology 1988; 166: 303
- MRI of indeterminate adrenal masses, Reinig JW; Doppman JL; Dwyer AJ; et al, AJR 1986; 147: 493
- pediatric case of the day: annual meeting, 1986, Kaufman RA; Towbin RB; Ball WS Jr, Radiographics 1987; 7: 1021
- pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, Quint LE; Glazer GM; Francis IR; Shapiro B; Chenevert TL, Radiology 1987; 165: 89
- prenatal adrenal neuroblastoma: case report with review of the literature, Ferraro EM; Fakhrj J; Arun JE; et al, J Ultrasound Med 1988; 7: 275
- prenatal ultrasonographic diagnosis of fetal adrenal neuroblastoma, Giulian BB; Chang CCN; Yoss BS, JCU 1986; 14: 225
- primary adrenal lymphoma: CT and sonographic appearances, Vicks BS; Perusek M; Johnson J; et al, JCU 1987; 15: 135
- primary adrenocortical carcinoma: CT sonographic evaluation with clinical and pathologic correlation in 26 patients, Hamper UM; Fishman EK; Hartman DS; et al, AJR 1987; 148: 915
- renal and scapular masses in a 57-year-old woman, van der Vliet AH; Ling D, Urol Radiol 1986; 8: 56
- ultrasound in the detection of adrenal tumours, Päivänsalo M; Merikanto J; Kallioinen M; et al, Eur J Radiol 1988; 8: 183
- unsuspected adrenal masses in the neonate: adrenal cortical carcinoma and neuroblastoma, a report of two cases, Butler H; Bick R; Morrison S, Pediatr Radiol 1988; 18: 237
- Adrenal gland, radionuclide studies**
- adrenal masses in oncologic patients: functional and morphologic evaluation, Francis IR; Smid A; Gross MD; Shapiro B; Naylor B; Glazer GM, Radiology 1988; 166: 353
- adrenoleukodystrophy: imaging with CT, MRI, and PET, Volkow ND; Pachtell L; Kulkarni MV; et al, J Nucl Med 1987; 28: 524
- experience with I-131-metadobenzylguanidine (MIBG): retrospective study, Chan R; Warshawski RS; Scott J; et al, J Canad Assoc Radiol 1987; 38: 35
- functional and scintigraphic evaluation of the silent adrenal mass, Gross MD; Wilton GP; Shapiro B; et al, J Nucl Med 1987; 28: 1401
- gallium-67 uptake by a benign adrenocortical adenoma, Jackson JA; Naul LG; Montgomery JL; et al, J Nucl Med 1988; 29: 1451
- imaging of medullary thyroid carcinoma and hyperfunctioning adrenal medulla using iodine-131 metaiodobenzylguanidine, Ansari AN; Siegel ME; DeQuattro V; et al, J Nucl Med 1986; 27: 1858
- pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, Quint LE; Glazer GM; Francis IR; Shapiro B; Chenevert TL, Radiology 1987; 165: 89
- positive iodine-131 6 β -iodomethyl-19-norcholesterol (NP-59) adrenal images can precede return of adrenocortical function after O,P DDD treatment, Sparagana M; Ackerman L, Clin Nucl Med 1987; 12: 348
- quantitation of iodine-123 MIBG uptake by normal adrenal medulla in hypertensive patients, Bonanni J; Flatman WD; Horne T; et al, J Nucl Med 1987; 28: 319
- Adrenal gland, therapeutic radiology**
- adrenal cortical carcinoma: survival after radiotherapy, Magee BJ; Gattamaneni HR; Pearson D, Clin Radiol 1987; 38: 587
- Adrenal gland, US studies**
- adrenal gland and nonrenal retroperitoneum, Yeh H-C, Urol Radiol 1987; 9: 127
- adrenal hypertrophy: possible pitfall in the sonographic diagnosis of renal agenesis, McGahan JP; Myracle MR, J Ultrasound Med 1986; 5: 265
- adrenocortical neoplasm in children: ultrasound appearance, Davies RP; Lam AH, J Ultrasound Med 1987; 6: 325
- cava-suprarenal line: new position for sonographic imaging of left adrenal gland, Krebs CA; Eisenberg RL; Ratcliff S; et al, JCU 1986; 14: 535
- comparative assessment of ultrasonography and computed tomography in adrenal disorders, Yamakita N; Yasuda K; Goshima E; et al, Ultrasound Med Biol 1986; 12: 23
- CT and ultrasound features of post-traumatic adrenal hemorrhage, Wilms GE; Marchal GJF; Baert AL; et al, JCAT 1987; 11: 112
- delineation of adrenal in controls and nontumorous adrenal disorders by real-time ultrasonic-scanner, Yamakita N; Yasuda K; Miura K, Ultrasound Med Biol 1986; 12: 107
- focal adrenal hemorrhage: new US appearance, Cohen EK; Daneman A; Stringer DA; Soto G; Thorne P, Radiology 1986; 161: 631
- high-resolution real-time sonography of the adrenal glands: routine examination?, Marchal GJF; Gelin J; Verbeke EE; et al, J Ultrasound Med 1986; 5: 65
- primary adrenal lymphoma: CT and sonographic appearances, Vicks BS; Perusek M; Johnson J; et al, JCU 1987; 15: 135
- primary adrenocortical carcinoma: pathologic evaluation with clinical and pathologic correlation in 26 patients, Hamper UM; Fishman EK; Hartman DS; et al, AJR 1987; 148: 915
- sonographic diagnosis of a large hemorrhagic adrenal cyst in an adult, Barki Y; Ellig I; Moses M; et al, JCU 1987; 15: 194
- sonography of adrenal glands in neonates and children: changes in appearance with age, Kangaroo H; Diamant MJ; Gold RH; et al, JCU 1986; 14: 43
- sonography of the adrenal glands in chronic disseminated histoplasmosis, Wilson DA; Nguyen DL; Tittle TL; et al, J Ultrasound Med 1986; 5: 69
- traumatic adrenal hemorrhage: radiologic findings, Murphy BJ; Casillas J; Yrizarry JM, Radiology 1988; 169: 701
- ultrasonography of the normal adrenal glands: study using linear-array real-time equipment, Zappasodi F; Derchi L; Rizzatto G; Br J Radiol 1986; 59: 759
- ultrasound diagnosis of adrenal hemorrhage in meningococemia, Sarnaik AP; Sanfilippo DJ; Slovis TL, Pediatr Radiol 1988; 18: 427
- ultrasound in the detection of adrenal tumours, Päivänsalo M; Merikanto J; Kallioinen M; et al, Eur J Radiol 1988; 8: 183
- Adrenoleukodystrophy**
- See Adrenal gland, insufficiency
- Aerosols**
- aerosol lung scintigraphy in the detection of bronchiectasis, Ashford NS; Buxton-Thomas MS; Flower CDR; et al, Clin Radiol 1988; 39: 29
- aerosol penetration ratio: new index of ventilation, Sirr SA; Elliott GR; Regelmann WE; et al, J Nucl Med 1986; 27: 1343
- airflow measurement inaccuracies in aerosol imaging, Sirr SA; Miltz-Miller S; Notman DNH; Boyle MJ; Boudreau RJ; Loken MK, Radiology 1986; 159: 268
- assessment of mucociliary clearance in patients with tracheobronchoplasty using radioaerosol, Kusuda S; Kubo A; Samiya T; et al, J Nucl Med 1986; 27: 1397
- chemical breakdown of technetium-99m DTPA during nebulization, Waldman DL; Weber DA; Oberdorster G; et al, J Nucl Med 1987; 28: 378
- clinical comparison of a new technetium-99m DTPA aerosol delivery system with krypton 81m, Finn JP; Myers MJ; Nair KM; et al, Br J Radiol 1986; 59: 19
- clinical experience with technetium-99m DTPA aerosol with perfusion scintigraphy in suspected pulmonary embolism, Selby JB; Gardner JF, Clin Nucl Med 1987; 12: 1
- clinical outcomes of patients with suspected pulmonary embolism and low-probability aerosol-perfusion scintigrams, Smith R; Maher JM; Miller RI; Alderson PO, Radiology 1987; 164: 731
- effect of bronchodilation on the deposition and clearance of radioaerosol in bronchial asthma in remission, Isawa T; Teshima T; Hirano T; et al, J Nucl Med 1987; 28: 1901
- falsely positive radionuclide venogram following DTPA aerosol ventilation scan, Sirota PS; Dubinsky TJ, Clin Nucl Med 1987; 12: 325
- laryngeal injury demonstrated by aerosol ventilation imaging, Greyson ND; Ador-Dionisio J, Clin Nucl Med 1988; 13: 204
- measurement of pulmonary epithelial permeability with ^{99m}Tc-DTPA aerosol, Coates G; O'Brodoich H, Semin Nucl Med 1986; 16: 275
- radioaerosol assessment of mucociliary clearance: towards definition of a normal range, Agnew JE; Sutton PP; Pavia D; et al, Br J Radiol 1986; 59: 147
- respiratory clearance of aerosolized radioactive solutes of varying molecular weight, Huchon GJ; Montgomery AB; Lipavsky A; et al, J Nucl Med 1987; 28: 894
- scintigraphic monitoring of mucociliary tracheo-bronchial clearance of technetium-99m macroaggregated albumin aerosol, Zwan ST; Katz J; Belfer B; et al, J Nucl Med 1987; 28: 161

- simplified assessment of fine aerosol distribution in human airways, Laube BL; Links JM; Wagner HN Jr; et al, *J Nucl Med* 1988; 29: 1057
- technetium-99m DTPA aerosol and gallium scanning in acquired immune deficiency syndrome, Picard C; Meignan M; Rosso J; et al, *Clin Nucl Med* 1987; 12: 501
- ventilation scintigraphy with submicron radioaerosol as an adjunct in the diagnosis of congenital lobar emphysema, Loewy J; O'Brodoich H; Coates G, *J Nucl Med* 1987; 28: 1213
- Aging**
- age-related changes in carotid artery wall properties in men, Reneman RS; van Merode T; Hick P; et al, *Ultrasound Med Biol* 1986; 12: 465
- age-related morphology of the normal pancreas on computed tomography, Heuck A; Maubach PA; Reiser M; et al, *Gastrointest Radiol* 1987; 12: 18
- computer-interactive method for quantifying cerebrospinal fluid and tissue in brain CT scans: effects of aging, Pfefferbaum A; Zatz LM; Jernigan TL, *JCAT* 1986; 10: 571
- cross-sectional study of age-related loss of mineral content of phalangeal bone in men and women, Trouerbach WT; Birkenhäger JC; Schmitz PIM; et al, *Skeletal Radiol* 1988; 17: 338
- diagnostic tests in the evaluation of dementia: prospective study of 200 elderly outpatients, (ab), Larson EB; Reifler BV; Sumi SM; et al, *Radiology* 1987; 163: 295
- end plate of the discvertebral joint: degenerative change in the elderly adult, Aoki J; Yamamoto I; Kitamura N; Sone T; Itoh H; Torizuka K; Takasu K, *Radiology* 1987; 164: 411
- imaging of the aging brain: part I. normal findings, Drayer BP, *Radiology* 1988; 166: 785
- leukoencephalopathy in normal and pathologic aging: 2. MRI of brain lucencies, George AE; de Leon MJ; Kalnin A; et al, *AJNR* 1986; 7: 567
- leukoencephalopathy in normal and pathologic aging: 1. CT of brain lucencies, George AE; de Leon MJ; Gentes CI; et al, *AJNR* 1986; 7: 561
- macrocephaly with symptomatic osteoporosis, wrinkled skin, and aged appearance: presumed autosomal recessive condition, McAlister WH; Coe JD; Whyte MP, *Skeletal Radiol* 1986; 15: 47
- MR signal abnormalities at 1.5 T in Alzheimer's dementia and normal aging, Fazekas F; Chawluk JB; Alavi A; et al, *AJNR* 1987; 8: 421
- positron emission tomography in aging and dementia: effect of cerebral atrophy, Chawluk JB; Alavi A; Dann R; et al, *J Nucl Med* 1987; 28: 431
- pseudodementia in the geriatric population, Adler YT; Draths KG; Markey WS, *Radiographics* 1986; 6: 995
- quantitative study of physiological cerebral atrophy with aging: a statistical analysis of the normal range, Nagata K; Basugi N; Fukushima T; et al, *Neuroradiol* 1987; 29: 327
- wandering spleen and advanced age, Sawaf NW; Orzel JA, *Clin Nucl Med* 1987; 12: 561
- Alagille syndrome**
- See Liver, diseases
- Albumin**
- albumin labeled with Gd-DTPA as an intravascular, blood pool-enhancing agent for MR imaging: biodistribution and imaging studies, Schmiedl U; Ogan MD; Paajanen H; Marotti M; Crooks LE; Brito AC; Brasch RC, *Radiology* 1987; 162: 205
- Alcohol**
- angiomyolipomas in tuberous sclerosis: subselective embolotherapy with alcohol, with long-term follow-up study, Earthman WJ; Mazer MJ; Winfield AC, *Radiology* 1986; 160: 437
- effect of alcohol intake on the radiographic quality in patients with midfacial trauma, Kinnunen J; Göthlin JH, *Acta Radiol* 1988; 29: 217
- effect of ethanol on the radiation response of CHO-K1 cells, Seymour CB; Mothersill C; Moriarty MJ; et al, *Br J Radiol* 1987; 60: 577
- fatal outcome after ethanol renal ablation in child with end-stage kidneys, Garel L; Mareschal JL; Gagnadoux MF; et al, *AJR* 1986; 146: 593
- hepatic artery embolization of experimental hepatic tumors with absolute ethanol, Matsui O; Kawamura I; Kadoya M; et al, *Cardiovasc Intervent Radiol* 1986; 9: 146
- percutaneous ethanol injection in the treatment of liver neoplasms, Shiina S; Yasuda H; Muto H; et al, *AJR* 1987; 149: 949
- renal embolization: a study of the interaction of contrast media and ethanol, Hoogewoud H-M; Petropoulos P; Cardiovasc Intervent Radiol 1987; 10: 219
- renal vein ethanol concentration during ablation of renal cell carcinoma, Haapanen AA; Dean PB, *Cardiovasc Intervent Radiol* 1986; 9: 205
- small hepatocellular carcinoma: intratumor ethanol treatment using new needle and guidance systems, Sheu J-C; Huang G-T; Chen D-S; Sung J-L; Yang P-M; Wei T-C; Lai M-Y; Su C-T; Tsang Y-M; Hsu H-C; Su J-J; Wu T-T; Lin J-T; Chuang C-N, *Radiology* 1987; 163: 43
- small hepatocellular carcinoma: percutaneous alcohol injection—results in 23 patients, Livraghi T; Salmi A; Bolondi L; Marin G; Arienti V; Monti F; Vettori C, *Radiology* 1988; 168: 313
- treatment of experimental adenocarcinomas by percutaneous intratumoral injection of absolute ethanol, Burgener FA; Steinmetz SD, *Invest Radiol* 1987; 22: 472
- US-guided percutaneous alcohol injection of small hepatic and abdominal tumors, Livraghi T; Festi D; Monti F; Salmi A; Vettori C, *Radiology* 1986; 161: 309
- Alcoholism**
- acute alcoholic esophagitis, O'Riordan D; Levine MS; Laufer I, *J Canad Assoc Radiol* 1986; 37: 54
- computed tomography in acute alcoholic myopathy, Grau A; Pomes J; Davalos A; et al, *CT* 1988; 12: 161
- computerized tomography and nuclear magnetic resonance imaging in Marchiafava-Bignami disease, Mayer JM; De Liège P; Netter JM; et al, *J Neuroradiol* 1987; 14: 152
- isolated ventral pancreatitis in an alcoholic with pancreas divisum, Brinberg DE; Carr MF Jr; Premkumar A; et al, *Gastrointest Radiol* 1988; 13: 323
- malignant fibrous histiocytoma in bone infarct: association with sickle cell trait and alcohol abuse, (ab), Frierson HF Jr; Fehner RE; Stallings RG; et al, *Radiology* 1987; 164: 591
- Marchiafava-Bignami disease: case studied by CT and MR imaging, Clavier E; Thiebot J; Delange T; et al, *Neuroradiol* 1986; 28: 376
- neuroarthropathy associated with chronic alcoholism, Bjorkengren AG; Weisman M; Pathria MN; et al, *AJR* 1988; 151: 743
- nonvisualization of the liver by indium-111 oxine labeled leukocytes in alcoholic liver disease, Segall GM; Goodwin DA, *Clin Nucl Med* 1986; 11: 79
- scanographie et IRM de la maladie de Marchiafava-Bignami (computerized tomography and MRI in Marchiafava-Bignami disease), Bracard S; Claude D; Vespignani H; et al, *J Neuroradiol* 1986; 13: 87
- Allergy**
- See Anaphylaxis and allergy
- Aluminum**
- aluminum bone disease in children: radiographic features from diagnosis to resolution, Daves ML, *Radiology* 1986; 159: 283
- aluminum bone disease in children: radiographic features from diagnosis to resolution: reply, Andreoli SP; Smith JA; Bergstein JM, *Radiology* 1986; 159: 284
- aluminum bone disease in children: radiographic features from diagnosis to resolution, Vukicevic S, *Radiology* 1987; 163: 583
- aluminum toxicity in patients undergoing dialysis: radiographic findings and prediction of bone biopsy results, Kriegshauser JS; Sweet RG; McCarthy JT; Hauser MF, *Radiology* 1987; 164: 399
- radiographic manifestations of experimental aluminum toxicity in growing bone, Hernandez RJ; Sedman AB; Smid DM; et al, *Skeletal Radiol* 1987; 16: 209
- radiological assessment of aluminium-related bone disease, Garrett P; McWade M; O'Callaghan J, *Clin Radiol* 1986; 37: 63
- Alzheimer disease**
- See Dementia
- Amebiasis**
- amebic liver abscess: diagnosis and treatment evaluation with MR imaging, Elizondo G; Weissleder R; Stark DD; Todd LE; Compton C; Wittenberg J; Ferrucci JT Jr, *Radiology* 1987; 165: 795
- amebic liver abscess: MR imaging, Ralls PW; Henley DS; Colletti PM; Benson R; Raval JK; Radin DR; Boswell WD Jr; Halls JM, *Radiology* 1987; 165: 801
- amebic liver abscess: sonographic diagnosis and management, Berry M; Bazaz R; Bhargava S, *JCU* 1986; 14: 239
- CT of amebic liver abscess, Radin DR; Ralls PW; Colletti PM; et al, *AJR* 1988; 150: 1297
- discordant uptake of technetium-99m DISIDA and technetium-99m sulfur colloid in an amebic abscess, Allard JC; Lee VW; Foster J, *Clin Nucl Med* 1988; 13: 114
- echo-guided percutaneous puncture: a safe and valuable therapeutic tool for amebic liver abscess, Giorgio A; Amoroso P; Franca G; et al, *Gastrointest Radiol* 1988; 13: 336
- hepatic amebic abscess: cholecystographic rim enhancement, Remedios PA; Colletti PM; Ralls PW, *Radiology* 1986; 160: 395
- intrahepatic bile leak producing delayed accumulation of technetium-99m DISIDA in an amebic liver abscess, Prakash R; Jena A; Behari V; et al, *Clin Nucl Med* 1986; 11: 360
- sonographic features of amebic and pyogenic liver abscesses: a blinded comparison, Ralls PW; Barnes PF; Radin DR; et al, *AJR* 1987; 149: 499
- treatment of hepatic amebic abscess: need for percutaneous drainage, Ralls PW; Barnes PF; Johnson MB; De Cock KM; Radin DR; Halls JM, *Radiology* 1987; 165: 805
- American Board of Radiology**
- report from the trustees of the American Board of Radiology, Brady LW; Davis LW; Levitt SH; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 993
- American Medical Association**
- radiology and the health policy agenda for the American people, MacLewin DW, *Radiology* 1987; 163: 559
- Amniocentesis**
- antenatal sonographic diagnosis of congenital clubfoot: possible indication for amniocentesis, Benacerraf BR, *JCU* 1986; 14: 703
- early amniocentesis for prenatal cytogenetic evaluation, Benacerraf BR; Greene MF; Saltzman DH; Barsz VA; Penso CA; Nadel AS; Heffner LJ; Stryker JM; Sandstrom MM; Frigoletto FD Jr, *Radiology* 1988; 169: 709
- ultrasound assessment of fetal response to second-trimester amniocentesis, (ab), Gianopoulos J; Elias SS; Simpson JL; et al, *Radiology* 1986; 160: 575
- Amniography**
- early diagnosis and intrauterine therapy of meconium plug syndrome in the fetus: risks and benefits, Samuel N; Dicker D; Landman J; et al, *J Ultrasound Med* 1986; 5: 425
- in utero diagnosis of congenital diaphragmatic hernia by CT amniography, Kelly DR; Grant EG; Zeman RK; et al, *JCAT* 1986; 10: 500
- Amniotic fluid**
- amniotic sheets, Randel SB; Filly RA; Callen PW; Anderson RL; Golbus MS, *Radiology* 1988; 166: 633
- objective method of diagnosing oligohydramnios in postterm pregnancies, Hashimoto BE; Filly RA; Belden C; et al, *J Ultrasound Med* 1987; 6: 81

- oligohydramnios associated with bilateral multicystic dysplastic kidneys: prenatal diagnosis at 15 weeks' gestation, Stiller RJ; Pinto M; Heller C; et al, *JCU* 1988; 16: 436
- placental chorioangioma, an unusual cause of polyhydramnios: antenatal diagnosis, Zalev AH, *J Canad Assoc Radiol* 1986; 37: 60
- second-trimester polyhydramnios: evaluation with US, Sivit CJ; Hill MC; Larsen JW; Lande IM, *Radiology* 1987; 165: 467
- severe polyhydramnios: incidence of anomalies, Barkin SZ; Pretorius DH; Beckett MK; et al, *AJR* 1987; 148: 155
- sonographic estimation of amniotic fluid volume: subjective assessment versus pocket measurements, Goldstein RB; Filly RA, *J Ultrasound Med* 1988; 7: 363
- sonographic evaluation of fetal anomalies in oligohydramnios between 16 and 30 weeks gestation, Sivit CJ; Hill MC; Larsen JW; et al, *AJR* 1986; 146: 1277
- ultrasound appearance of particulate matter in amniotic cavity: vernix or meconium?, DeVore GR; Platt LD, *JCU* 1986; 14: 229
- use of furosemide in pregnancies complicated by oligohydramnios, Kaghavendra BN; Young BK; Greco MA; Lustig-Gillman I; Horii SC; Hirsch MA; Yee J, *Radiology* 1987; 165: 455
- vernix in amniotic fluid: sonographic detection, Hill LM; Breckle R, *Radiology* 1986; 158: 80
- ### Amyloidosis
- abnormal scintigraphic evolution in AA hepatic amyloidosis, Lomeña F; Roselló R; Pons F; et al, *Clin Nucl Med* 1988; 13: 194
- amyloidomas in the cerebellopontine angle and jugular foramen: case report, (ab), Matsumoto T; Tani E; Maeda Y; et al, *Radiology* 1986; 158: 571
- amyloidosis and plasma cell dyscrasias: gastrointestinal involvement, Carlson HC; Breen JF, *Semin Roentgenol* 1986; 21: 128
- amyloidosis and plasma cell dyscrasias of the musculoskeletal system, Subbarao K; Jacobson HG, *Semin Roentgenol* 1986; 21: 139
- amyloidosis: overview, Scott PP; Scott WW Jr; Siegelman SS, *Semin Roentgenol* 1986; 21: 103
- case report and review: computed tomography of multiple nodular pulmonary amyloidosis, Savader SJ; Nokes SR; Chappel G, *Comput Radiol* 1987; 11: 111
- cerebral amyloid angiopathy, (ab), Cosgrove GR; Leblanc R; Meagher-Villemure K; et al, *Radiology* 1986; 159: 286
- computed tomography in amyloid goiter, Miyake H; Maeda H; Isomoto I; et al, *JCAT* 1988; 12: 621
- computed tomography of the tongue in primary amyloidosis, Larsson SG; Benson L; Westermark P, *JCAT* 1986; 10: 836
- CT appearance of localized pulmonary amyloidosis, Ayuso MC; Gilabert R; Bombi JA; et al, *JCAT* 1987; 11: 197
- CT findings in hepatic and splenic amyloidosis, Suzuki S; Takizawa K; Nakajima Y; et al, *JCAT* 1986; 10: 332
- diffuse alveolar septal amyloidosis presenting with recurrent hemoptysis and medial dissection of pulmonary arteries, (ab), Road JD; Jacques J; Sparling JR, *Radiology* 1986; 159: 569
- extensive soft tissue uptake of bone tracer in primary amyloidosis, Lee KJ; Southee AE; Morris JG; et al, *Clin Nucl Med* 1988; 13: 675
- hemodialysis-associated amyloidosis and beta-2 microglobulin: clinical and immunohistochemical study, (ab), Bardin T; Zingraff J; Shirahama T; et al, *Radiology* 1988; 166: 913
- hepatic amyloidosis in an IV drug abuser detected by bone scintigraphy, Ferraro EM; Alfolor FR; Lee M; et al, *Clin Nucl Med* 1987; 12: 274
- magnetic resonance imaging in primary amyloidosis, Benson L; Hemmingson A; Ericsson A; et al, *Acta Radiol* 1987; 28: 13
- other organs and other amyloids, Pear BL, *Semin Roentgenol* 1986; 21: 150
- primary amyloidosis of the ureter and renal pelvis, Davis PS; Babaria A; March DE; et al, *Urol Radiol* 1987; 9: 158
- primary pulmonary amyloidosis with multiple nodules, Tamura K; Nakajima N; Makino S; et al, *Eur J Radiol* 1988; 8: 128
- radiologic manifestations of amyloidosis (a reverse gamut), Neils EW, *Semin Roentgenol* 1986; 21: 99
- renal amyloidosis: evaluation by gallium imaging, Lee VW; Skinner M; Cohen AS; et al, *Clin Nucl Med* 1986; 11: 642
- respiratory tract in amyloidosis and the plasma cell dyscrasias, Gross BH; Felson B; Birnberg FA, *Semin Roentgenol* 1986; 21: 113
- tumoral amyloidosis of bone of beta₂-microglobulin origin in association with long-term hemodialysis: new type of amyloid disease, (ab), Casey TT; Stone WJ; DiRaimondo CR; et al, *Radiology* 1986; 161: 860
- unusual hepatic uptake pattern of technetium-99m sulfur colloid and technetium-99m HDP in amyloidosis, Vincent LM; McCartney WH; Flynn TC, *Clin Nucl Med* 1986; 11: 436
- ### Analgesics
- See Anesthesia
- ### Anaphylaxis and allergy
- allergy to barium sulfate suspension with angioedema of the stomach and small bowel, Shaffer HA Jr; Eckard DA; de Lange EE; et al, *Gastrointest Radiol* 1988; 13: 221
- anaphylaxis following "hexabrix" during routine coronary angiography, Langton JA; Magee P; Sedgwick J; et al, *Eur J Radiol* 1988; 8: 60
- coherent biochemical basis for increased reactivity to contrast material in allergic patients: novel concept, Lasser EC, *AJR* 1987; 149: 1281
- cow's milk protein/soy protein allergy: gastrointestinal imaging, Richards DG; Somers S; Issenman RM; Stevenson GW, *Radiology* 1988; 167: 721
- cow's milk protein/soy protein allergy: gastrointestinal imaging, Taylor GA, *Radiology* 1988; 167: 866
- food allergy presenting as obstruction in an infant, McIlhenny J; Sutphen JL; Block CA, *AJR* 1988; 150: 373
- man-in-the-barrel syndrome: first CT images, Delavelle J; Lalanne B; Megret M, *Neuroradiol* 1987; 29: 501
- severe systemic reaction to diphosphonate bone imaging agents: skin testing to predict allergic response and a safe alternative agent, Ramos-Gabatin A; Orzel JA; Maloney TR; et al, *J Nucl Med* 1986; 27: 1432
- ### Anemia
- anemia: problem or an opportunity in radiotherapy?, Hirst DG, *Int J Radiat Oncol Biol Phys* 1986; 12: 2009
- aseptic necrosis of femoral head complicating thalassemia, Orzincolo C; Castaldi G; Scutellari PN; et al, *Skeletal Radiol* 1986; 15: 541
- avidity of radiogallium for bone in thalassemia, Grimmond AP; Spencer RP, *Clin Nucl Med* 1987; 12: 758
- circumscribed lytic lesions of the thalassaemic skull, Orzincolo C; Castaldi G; Bariani L; et al, *Skeletal Radiol* 1988; 17: 344
- diagnosis of anemia on computed tomography scans of the thorax, Corcoran HL; Cook DE; Proto AV, *CT* 1988; 12: 116
- Doppler blood flow velocity waveforms in alpha-thalassemia hydrops fetalis, Woo JSK; Liang ST; Lo RLS; et al, *J Ultrasound Med* 1987; 6: 679
- effect of anemia on tumor radiosensitivity under normo and hyperbaric conditions, Rojas A; Stewart FA; Smith KA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1681
- gallium scan findings following multiple blood transfusions in an infant with erythroblastosis fetalis, Edeburn GF; Treves ST, *Clin Nucl Med* 1987; 12: 70
- "hair-on-end" pattern in the skull, Daly D, *Semin Roentgenol* 1987; 22: 144
- hepatic uptake of technetium-99m diphosphonate in thalassemia major, Levy HM; Smith R, *Clin Nucl Med* 1986; 11: 110
- magnetic resonance imaging of marrow heterotopia in haemoglobinopathy, Papavasiliou C; Trakadas S; Gouliamos A; et al, *Eur J Radiol* 1988; 8: 50
- marrow heterotopia in thalassemia, Papavasiliou C; Gouliamos A; Andreou J, *Eur J Radiol* 1986; 6: 92
- MR relaxation times and iron content of thalassemic spleens: an in vitro study, Gomori JM; Grossman RI; Drott HR, *AJR* 1988; 150: 567
- paranasal sinus involvement in thalassemia major: CT demonstration, Smithson LV; Lipper MH; Hall JA Jr, *AJNR* 1987; 8: 564
- premature epiphyseal fusion and extramedullary hematopoiesis in thalassemia, Colavita N; Orazi C; Danza SM; et al, *Skeletal Radiol* 1987; 16: 533
- sickle-cell nephropathy: MR imaging, Lande IM; Glazer GM; Sarnaik S; Aisen AM; Rucknagel D; Martel W, *Radiology* 1986; 158: 379
- work in progress: dual energy CT estimation of liver iron content in thalassemic children, Leighton DM; de Campo JF; Matthews R; et al, *Australas Radiol* 1988; 32: 214
- ### Anemia, aplastic
- bone marrow in leukemia and aplastic anemia: MR imaging before, during, and after treatment, McKinstry CS; Steiner RE; Young AT; Jones L; Swirsky D; Aber V, *Radiology* 1987; 162: 701
- bone marrow patterns in aplastic anemia: observations with 1.5-T MR imaging, Kaplan PA; Aleson RJ; Klassen LW; Duggan MJ, *Radiology* 1987; 164: 441
- magnetic resonance imaging of the bone marrow in patients with leukemia, aplastic anemia, and lymphoma, Olson DO; Shields AF; Scheurich CJ; et al, *Invest Radiol* 1986; 21: 540
- ### Anesthesia
- addition of local anesthetics to contrast media: I. effects on patient discomfort and hemodynamics in aortofemoral angiography, Nilsson P; Almén T; Golman K; et al, *Acta Radiol* 1987; 28: 209
- addition of local anesthetics to contrast media: II. increase of acute mortality in mice with intravenous contrast administration, Nilsson P; Almén T; Golman K; et al, *Acta Radiol* 1988; 29: 247
- analgesic nephropathy: ultrasonic features, Puvaneswary M; Segasothy M, *Australas Radiol* 1988; 32: 247
- anterior approach to celiac plexus block during interventional biliary procedures, Lieberman RP; Nance PN; Cuka DJ, *Radiology* 1988; 167: 562
- case report 388, Brogdon BG; Arcecent LJ, *Skeletal Radiol* 1986; 15: 503
- celiac plexus block for interventional radiology, Whiteman MS; Rosenberg H; Haskin PH; Teplick SK, *Radiology* 1986; 161: 836
- displaced calcium as a sign of transitional cell carcinoma in analgesic nephropathy, Marrocco FS; Leekam RN; Matzinger MA; et al, *J Canad Assoc Radiol* 1986; 37: 122
- driving ability after intravenous fentanyl or diazepam: controlled double-blind study, Stevenson GW; Pathria MN; Lamping DL; et al, *Invest Radiol* 1986; 21: 717
- epidural steroid injection: a procedure ideally performed with fluoroscopic control, El-Khoury GY; Ehara S; Weinstein JN; Montgomery WJ; Kathol MH, *Radiology* 1988; 168: 554
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures, Miller DL; Wall KT, *Radiology* 1987; 162: 195
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures, Redmond PL; Kump DA, *Radiology* 1987; 164: 284
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures: reply, Miller DL, *Radiology* 1987; 164: 284
- fentanyl and midazolam: an alternative to diazepam, Ayre-Smith G, *Radiology* 1987; 164: 285
- immersion anesthesia for extracorporeal shock wave lithotripsy: review of two hundred twenty treatments, (ab), London RA; Kudlak T; Riehle RA, *Radiology* 1987; 162: 886

interstitial emphysema associated with epidural anesthesia for extracorporeal shock-wave lithotripsy, Roberts MC; Pollack HM; Banner MP; et al, *AJR* 1987; 148: 301

intravenously administered pentobarbital sodium for sedation in pediatric CT, Strain JD; Harvey LA; Foley LC; Campbell JB, *Radiology* 1986; 161: 105

IV nembutal: safe sedation for children undergoing CT, Strain JD; Campbell JB; Harvey LA; et al, *AJNR* 1988; 9: 955

local anaesthetics modifying the dermal response of irradiation: an experimental study, Ohlén L; Evers H; Segerström K; et al, *Acta Oncol* 1987; 26: 467

patient anesthesia and monitoring at a 1.5-T MRI installation, Karlik SJ; Heatherley T; Pavan F; et al, *Magn Res Med* 1988; 7: 210

preprocedure sedation in children: a review, (ab), Swigart SA; Gould KA, *Radiology* 1988; 167: 592

prospective blinded trial of warm and cold lidocaine for intradermal injection, Cragg AH; Berbaum K; Smith TP, *AJR* 1988; 150: 1183

radionuclide-anesthetic flow study: new technique for the study of regional anesthesia, Bauman JM; Middaugh RE; Cawthon MA; et al, *J Nucl Med* 1986; 27: 1487

sciatic nerve block under fluoroscopic guidance, Tan WS; Spigos DG, *Cardiovasc Intervent Radiol* 1986; 9: 59

sedation, analgesia, and anesthesia for radiologic procedures, Lind LJ; Mushlin PS, *Cardiovasc Intervent Radiol* 1987; 10: 247

sedation and analgesia for interventional radiologic procedures in adults, (ab), Hurlbert BJ; Landers DF, *Radiology* 1988; 167: 592

spinal Wada test, Doppman JL; Gorton ME; Oldfield EH, *Radiology* 1986; 161: 319

superficial peroneal nerve block for leg venography, Lieberman RP; Kaplan PA, *Radiology* 1987; 165: 578

use of fentanyl and diazepam for special procedures, Neff CC, *Radiology* 1988; 166: 581

use of fentanyl and diazepam for special procedures: reply, Miller DL; Wall RT, *Radiology* 1988; 166: 581

use of intravenous sedatives in infants and children, (ab), Brett CM, *Radiology* 1988; 167: 592

use of midazolam for sedation of infants and children, Diamant MJ; Stanley P, *AJR* 1988; 150: 377

Aneurysm

aneurysmal dilatation of a patent umbilical vein masquerading as a pancreatic pseudocyst: CT characteristics, Khouri MR; Mintz MC; Coleman BG, *JCAT* 1988; 12: 662

case report 374, Stein E, *Skeletal Radiol* 1986; 15: 391

case report: hypothermic hammer syndrome with embolic occlusion of digital arteries, Savader SJ; Savader BL; Drewry GR, *Clin Radiol* 1988; 39: 324

changing epidemiology of pseudoaneurysm: therapeutic implications, (ab), Sedwitz MM; Hye RJ; Stabile BE, *Radiology* 1988; 168: 886

coagulation of aneurysms by direct percutaneous thrombin injection, Cope C; Zeit RM, *AJR* 1986; 147: 383

electromagnetically induced focused heat in the treatment of surgically created aneurysm models, Yamanashi WS; Patil AA; Valentine JL; et al, *Invest Radiol* 1987; 22: 574

popliteal venous aneurysm, Ross GJ; Violi L; Barber LW; Vujic I, *Radiology* 1988; 168: 721

postrenal segment aneurysm and infrahepatic interruption of the inferior vena cava: a case report, Stris MG; Finnanger AM, *Acta Radiol* 1987; 28: 545

saphenous vein graft aneurysms demonstrated by computed tomography, Yousem DM; Scott WW Jr; Fishman EK; et al, *JCAT* 1986; 10: 526

transcatheter embolisation of arterial aneurysms, Uflacker R, *Br J Radiol* 1986; 59: 317

Aneurysm, abdominal

duodenal obstruction after repair of abdominal aortic aneurysm, Budorick NE; Love L, *Radiology* 1988; 169: 421

idiopathic aneurysm of inferior vena cava: CT demonstration, Furukawa T; Yamada T; Mori Y; et al, *JCAT* 1986; 10: 1076

iliac artery aneurysms arising in patients having had resections of abdominal aneurysms, Munk PL; Pitman RG; Chipperfield PM; et al, *J Canad Assoc Radiol* 1988; 39: 224

Aneurysm, aortic

abdominal aortic aneurysm causing duodenal obstruction, Redmond PL; Price GJ; Nolan DJ, *Clin Radiol* 1987; 38: 513

abdominal aortic aneurysm with periaortic fibrosis: demonstration of ureteric obstruction by computerized tomography, Gibson RN; Halliday A; Mansfield A, *Australas Radiol* 1988; 32: 149

abdominal pseudoaneurysm arising from a true aneurysm: presentation as a pulmonary mass, Shin MS; Ho K-J; Kirklin JW; et al, *AJR* 1986; 146: 155

anechoic crescent in abdominal aortic aneurysms: not a sign of dissection, King PS; Cooperberg PL; Madigan SM, *AJR* 1986; 146: 345

aortic aneurysm dissection causing V/Q mismatch, Tiu S; Toth PJ; Banner HJ; et al, *Clin Nucl Med* 1988; 13: 190

aortic dissection with concurrent abdominal aortic aneurysm: computed tomography diagnosis, Taylor CR; August D; Greenwood L, et al, *CT* 1987; 11: 392

aortic pseudoaneurysm complicating Takayasu disease: CT appearance, Peterson IM; Guthaner DF, *JCAT* 1986; 10: 676

ascending aorta complications of cardiac surgery: CT evaluation, Thorsen MK; Goodman LR; Sagel SS; et al, *JCAT* 1986; 10: 219

case of the month: "all's well that ends well", Bell J; Kabala J; Horrocks M, *Br J Radiol* 1987; 60: 1231

case report: computed tomography and ultrasound diagnosis of mycotic aneurysm of the abdominal aorta due to salmonella, Wilde CC; Tan L; Cheong FW, *Clin Radiol* 1987; 38: 325

chronic posttraumatic aneurysm of the thoracic aorta: surgically correctable occult threat, Heystraten FM; Rosenbusch G; Kingma LM; et al, *AJR* 1986; 146: 303

complementary role of magnetic resonance imaging, Doppler echocardiography, and computed tomography in the diagnosis of dissecting thoracic aneurysms, (ab), Goldman AP; Kotler MN; Scanlon MH; et al, *Radiology* 1987; 162: 886

compression of left main bronchus and left pulmonary artery by thoracic aortic aneurysm, Duke RA; Barrett MR II; Payne SD; et al, *AJR* 1987; 149: 261

computed tomography in the evaluation of the patient with symptomatic abdominal aortic aneurysm, (ab), Zarke MD; Gould HR; Goldman MH, *Radiology* 1988; 169: 885

computed tomography of abdominal aortic aneurysm: an in vivo pathological report with a note on dynamic predictors, (ab), Pillari G; Chang JB; Zito J; et al, *Radiology* 1988; 169: 885

computed tomography of life-threatening complications of abdominal aortic aneurysm: disrupted aortic wall, Raptopoulos V; Cummings T; Smith EH, *Invest Radiol* 1987; 22: 372

CT of aortic aneurysms: the distinction between mural and thrombus calcification, Torres WE; Maurer DE; Steinberg HV; et al, *AJR* 1988; 150: 1317

demonstration of aortic root aneurysm on first-pass study of the right heart, Kasner JR; Bamrah P; Glisch J; et al, *Clin Nucl Med* 1987; 12: 71

evaluation of an aortic aneurysm pseudoaneurysm by MRI: comparison with echocardiography, angiography and surgery, Akins EW; Limacher M; Slone RM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 188

evolution of a mural thrombus in false aneurysm: CT demonstration, Danza FM; Valentini AL; Colosimo C Jr; et al, *JCAT* 1986; 10: 126

gallium localization in dissecting aortic aneurysm, Haden HT; Lippman HR, *Clin Nucl Med* 1988; 13: 569

huge abdominal aortic aneurysm demonstrated by technetium-99m labeled RBC blood pool imaging, Shih W-J; Magoun S; Domstad PA, *Clin Nucl Med* 1987; 12: 825

improving long-term outlook for patients over 70 years of age with abdominal aortic aneurysms, (ab), Bernstein EF; Dilley RB; Randolph HF III, *Radiology* 1988; 169: 885

infected aortic aneurysms: CT appearance, Vogelzang RL; Sohaey R, *JCAT* 1988; 12: 109

'inflammatory' abdominal aortic aneurysms, Fitzgerald EJ; Blackett RL, *Clin Radiol* 1988; 39: 247

inflammatory aneurysm of aorta: development documented by computed tomography, Kittredge RD; Gordon RB, *CT* 1987; 11: 128

inflammatory aortic aneurysm (periaortic fibrosis): radiologic imaging, Cullenward MJ; Scanlan KA; Pozniak MA; Acher CA, *Radiology* 1986; 159: 75

intrarenal rupture of the abdominal aorta: CT features, Gavatt ML; Salazar JE; Ellis JV, *JCAT* 1986; 10: 516

juxtarenal infrarenal abdominal aortic aneurysm: special diagnostic and therapeutic considerations, (ab), Crawford ES; Beckett WC; Green MS, *Radiology* 1986; 161: 860

magnetic resonance imaging of aortic aneurysms with 3-D image reconstruction, Valk PE; Hale JD; Crooks LE; et al, *Australas Radiol* 1987; 31: 196

magnetic resonance imaging of thoracic aortic aneurysms: comparison with other imaging methods, Dinsmore RE; Liberton RR; Wismer GL; et al, *AJR* 1986; 146: 309

MRI diagnosis of aorticocaval fistula secondary to ruptured infrarenal abdominal aortic aneurysm, Lupetin AR; Dash N; Contractor FM, *Cardiovasc Intervent Radiol* 1987; 10: 24

mycotic aneurysms of the aorta: radiologic features, Gonda RL Jr; Gutierrez OH; Azodo MVU, *Radiology* 1988; 168: 343

mycotic aneurysms of the aortic root: a pathologic study of 20 cases, (ab), Feigl D; Feigl A; Edwards JE, *Radiology* 1987; 164: 293

nuclear magnetic resonance imaging in the assessment of unusual abdominal aortic aneurysms, (ab), Barter SC; Hicks IP; Hartnell GG; et al, *Radiology* 1986; 158: 286

pediatric case of the day: annual meeting, 1986, Towbin RB; Ball WS Jr; Kaufman RA, *Radiographics* 1987; 7: 818

perirenal cobwebs: a sign of aortic aneurysm rupture, Albertin LE, *Australas Radiol* 1988; 32: 98

preoperative evaluation of abdominal aortic aneurysms by computed tomography, Papanicolaou N; Wittenberg J; Ferrucci JT Jr; et al, *AJR* 1986; 146: 711

problems in CT diagnosis of ruptured abdominal aortic aneurysms, Gale ME; Johnson WC; Gerzof SC; et al, *JCAT* 1986; 10: 637

pseudoaneurysm of the ascending aorta following cardiac surgery, (ab), Sullivan KL; Steiner RM; Smullen SN; et al, *Radiology* 1988; 168: 886

radiographic and clinical findings in unusual abdominal aortic aneurysms, Raabe R; Lawrence PF; Luers PR; et al, *Cardiovasc Intervent Radiol* 1986; 9: 176

rapid evolution of a large mycotic aneurysm of the abdominal aorta, Byard RW; Leduc JR; Chambers RJ; et al, *J Canad Assoc Radiol* 1988; 39: 62

recurrent aneurysms and late vascular complications following repair of abdominal aortic aneurysms, (ab), Plate G; Hollier LA; O'Brien P; et al, *Radiology* 1986; 158: 281

review of the plain abdominal radiograph in acute rupture of abdominal aortic aneurysms, Loughran CF, *Clin Radiol* 1986; 37: 383

role of computed tomography in symptomatic aortic aneurysms, (ab), Johnson WC; Gale ME; Gerzof SC; et al, *Radiology* 1986; 160: 287

ruptured thoracic aneurysm: unusual manifestation and early diagnosis using CT, Kucich VA; Vogelzang RL; Hartz RS; LoCicero J III; Dalton D, *Radiology* 1986; 160: 87

segmental absence of the aortic wall: magnetic resonance imaging sign of aneurysm, Lupetin AR; Dash N; Beckman I; et al, *CT* 1987; 11: 279

- sinus of Valsalva aneurysm secondary to aortic valve endocarditis, Ikeda DM; Bank ER; Liddell R, *Invest Radiol* 1988; 23: 222
- suspected leaking abdominal aortic aneurysm: use of sonography in the emergency room, Shuman WP; Hastrup W Jr; Kohler TR; Nyberg DA; Wang KY; Vincent LM; Mack LA, *Radiology* 1988; 168: 117
- tuberosus sclerosis with aortic aneurysm and rib changes: CT demonstration, Ng S-H; Ng K-K; Pai S-C; et al, *JCAT* 1988; 12: 666
- Aneurysm, cardiac**
- aneurysm of the atrial septum: motion pattern in relation to respiratory and cardiac cycles, Haugland H; Vik-Mo H, *JCU* 1986; 14: 52
- aneurysms of the right ventricular outflow tract after tetralogy of Fallot repair: role of radiology, Ascuotto RJ; Ross-Ascuotto NT; Markowitz RJ; Kopf GS; Hellenbrand WE; Fahey JT; Kleinman CS, *Radiology* 1988; 167: 115
- computed tomographic evaluation of morphological and functional condition of left ventricle in heart aneurysm, Rabkin I; Ovtchinnikov V; Judin A, *Eur J Radiol* 1986; 6: 15
- left ventricular aneurysm formation: an iatrogenic cause for the third mogul, Aldridge S; Frazer J; Tawn J; et al, *Br J Radiol* 1988; 61: 463
- MR and CT findings in infected ventricular aneurysm repair, Otto R; Henderson R; Dandekar N, *JCAT* 1987; 11: 1069
- right ventricular aneurysm due to ischemic disease: diagnosis of radionuclide angiography with localization of the site of PVC origin by phase analysis, Shaffer PB; Bashore TM; Noto AM; et al, *Clin Nucl Med* 1987; 12: 103
- SPECT thallium-201 scintigraphy for the detection of left-ventricular aneurysm, Morton KA; Alazraki NP; Taylor AT; et al, *J Nucl Med* 1987; 28: 168
- two-dimensional echocardiographic detection of a left sinus of Valsalva aneurysm, Danchin N; Le Helloc A; Amrein D; et al, *JCU* 1987; 15: 480
- varied appearance of cardiac pseudoaneurysms on blood pool images, Ginsberg F; Rosenberg RJ; Sziklas JJ; et al, *Clin Nucl Med* 1987; 12: 430
- Aneurysm, carotid**
- aneurysm of intrapetrous carotid artery: CT and angiographic findings, DelBalso AM; Bowers JE, *JCAT* 1986; 10: 702
- basilar bifurcation aneurysm associated with bilateral internal carotid occlusion, Yamanaka C; Hirohata T; Kiya K; et al, *Neuroradiol* 1987; 29: 84
- bull's-eye sign of extracranial cervical aneurysms, Som PM; Dorfman GS; Reede DL; et al, *CT* 1988; 12: 81
- carotid artery aneurysm diagnosed by duplex scanning, Rosenthal D; Ellison RG Jr; Clark MD; et al, *JCU* 1986; 14: 732
- common carotid artery aneurysm: ultrasonic diagnosis, Wang A-M; O'Leary DH, *JCU* 1988; 16: 262
- CT demonstration of extracranial carotid artery aneurysms, Duvall ER; Gupta KL; Vitek JJ; et al, *JCAT* 1986; 10: 404
- diagnosis of bilateral intracavernous carotid artery aneurysms by computed tomography, Deeb ZL; Schmel S; Rothfus WE; et al, *CT* 1986; 10: 121
- duplex sonography in embolotherapy of external carotid artery traumatic aneurysms, Civanani VL; Gerlock AJ Jr; Mirfakhraee M; et al, *AJNR* 1987; 8: 1131
- giant cavernous aneurysm associated with trigeminal artery: treatment by detachable balloon, Higashida RT; Halbach VV; Mehlinger CM; et al, *AJNR* 1987; 8: 757
- giant intracavernous carotid aneurysm after spontaneous thrombosis of a carotid cavernous sinus fistula, Graves VB; Strother CM; Weinstein JM; et al, *AJNR* 1988; 9: 595
- giant intracranial aneurysms: MR imaging, Olsen WL; Brant-Zawadzki M; Hodes J; Norman D; Newton TH, *Radiology* 1987; 163: 431
- intracavernous aneurysms: treatment by proximal balloon occlusion of the internal carotid artery, Raymond J; Theron J, *AJNR* 1986; 7: 1087
- petrous internal carotid aneurysm causing epistaxis: balloon embolization with preservation of the parent vessel, Willinsky R; Lasjaunias P; Pruvost P; et al, *Neuroradiol* 1987; 29: 570
- posttraumatic internal carotid aneurysm presenting as a nasal sinus lesion, (ab), Inoue M; Abe H; Kobayashi T; et al, *Radiology* 1987; 164: 591
- traumatic carotid aneurysm secondary to cavernous sinus penetration by wood: CT features, Braun J; Gdál-On M; Goldsher D; et al, *JCAT* 1987; 11: 525
- Aneurysm, cerebellar**
- aneurysms of the peripheral portion of the anterior inferior cerebellar artery: report of two cases, Fukuya T; Kishikawa T; Ikeda J; et al, *Neuroradiol* 1987; 29: 493
- computed tomography of anterior inferior cerebellar artery aneurysm mimicking an acoustic neuroma, Dalley RW; Robertson WD; Nugent RA; et al, *JCAT* 1986; 10: 881
- giant intracranial aneurysms: MR imaging, Olsen WL; Brant-Zawadzki M; Hodes J; Norman D; Newton TH, *Radiology* 1987; 163: 431
- Aneurysm, cerebral**
- accuracy of high resolution computed tomography in direct diagnosis of cerebral aneurysms, Schmid UD; Steiger HJ; Huber P, *Neuroradiol* 1987; 29: 152
- anomalous origin of the anterior cerebral artery associated with aneurysm—embryological considerations, Bollar A; Martinez R; Gelabert M; et al, *Neuroradiol* 1988; 30: 86
- bilateral anomalous anterior cerebral artery and infraoptic aneurysm, Klein SI; Gahbauer H; Goodrich I, *AJNR* 1987; 8: 1142
- computed angiography of unruptured cerebral aneurysms, Yamamoto Y; Asari S; Sunami N; et al, *JCAT* 1986; 10: 21
- CT visualization of ruptured Berry aneurysm within hematoma: flip-flop sign, McCormack J; Peyster RG; Brodner RA; et al, *JCAT* 1986; 10: 28
- dissecting aneurysm of cerebral arteries in congenital valvular deficiency, Steiner H; Lammer J; Kleinert R; et al, *Neuroradiol* 1986; 28: 331
- infantile intracranial aneurysm: report of a case and review of the literature, Thrush AL; Marano GD, *AJNR* 1988; 9: 903
- intracranial vascular malformations and aneurysms: current imaging applications, Atlas SW, *Radiol Clin North Am* 1988; 26: 821
- partially thrombosed giant intracranial aneurysms: correlation of MR and pathologic findings, Atlas SW; Grossman RI; Goldberg HI; Hackney DB; Bilaniuk LT; Zimmerman RA, *Radiology* 1987; 162: 111
- permanent inflation of detachable balloons with a low-viscosity, hydrophilic polymerizing system, Goto K; Halbach VV; Hardin CW; Higashida RT; Hieshima GB, *Radiology* 1988; 169: 787
- pulseless disease associated with multiple intracranial aneurysms, Masuzawa T; Kurokawa T; Oguro K; et al, *Neuroradiol* 1986; 28: 17
- ruptured middle cerebral aneurysm with accumulation of subarachnoid blood within convexity arachnoid cyst, Jinkins JR; Siqueira EB; Holoubi A, *Comput Radiol* 1987; 11: 185
- spontaneous occlusion of traumatic pericallosal aneurysm and pericallosal artery, Nakstad P, *Neuroradiol* 1987; 29: 312
- Aneurysm, coronary**
- acquired coronary arterial aneurysms: autopsy study of 52 patients, (ab), Virmani R; Robinowitz M; Atkinson JB; et al, *Radiology* 1986; 161: 861
- aspect radiologique et echographique de la maladie de Kawasaki: experience de 75 cas a l'Hopital Sainte-Justine de Montreal, Guerin R; van Doesburg NH; Nicolas E; et al, *J Canad Assoc Radiol* 1986; 37: 229
- case of neurofibromatosis associated with a coronary artery aneurysm and myocardial infarction, Kandarpa K; Stoll JF; Reiss C; et al, *Cardiovasc Intervent Radiol* 1988; 11: 143
- coronary artery aneurysms due to Kawasaki disease: diagnosis with ultrasound, Frey EE; Matherne GP; Mahoney LT; Sato Y; Stanford W; Smith WL, *Radiology* 1988; 167: 725
- CT appearance of coronary aneurysm in Kawasaki disease, Laurent F; Drouillard J; Dorcier F; et al, *JCAT* 1987; 11: 151
- echocardiographic features of a giant congenital aneurysm of the right coronary artery, Zhang C-C; Hu L-X; Hsieh SW; et al, *JCU* 1988; 16: 502
- frequency in size of coronary arterial aneurysm at necropsy in Kawasaki disease, (ab), Fujiwara T; Fujiwara H; Hamashima Y, *Radiology* 1987; 165: 884
- Kawasaki disease: review of risk factors for coronary aneurysms, (ab), Koren G; Lavi S; Rose V; et al, *Radiology* 1986; 160: 575
- mycotic right coronary artery aneurysm: CT and MR diagnosis, Strasser SF; Matalon TAS; Turner DA; et al, *JCAT* 1986; 10: 667
- Aneurysm, cranial**
- superficial temporal artery aneurysms, Locatelli D; Messina AL; Ricevuti G; et al, *J Neuroradiol* 1988; 15: 89
- Aneurysm, ductus arteriosus**
- ductus arteriosus aneurysm in Marfan syndrome, Müller NL; Mayo J; Culham JAG; et al, *J Canad Assoc Radiol* 1986; 37: 195
- enlarging mediastinal mass, Traugott PD; Wojtowycz MM; Karwande SV; et al, *Invest Radiol* 1987; 22: 240
- Aneurysm, femoral**
- detection of a false aneurysm in the thigh by scintigraphy: case report, Fritsch S; Arleth J; Becker HM; et al, *Clin Nucl Med* 1987; 12: 564
- false aneurysm of the femoral artery: computed tomographic and ultrasound appearances, Fitzgerald EJ; Bowsher WG; Rutledge MST, *Clin Radiol* 1986; 37: 585
- femoral artery pseudoaneurysm: diagnosis with conventional duplex and color Doppler US, Mitchell DG; Needleman L; Bezzzi M; Goldberg BB; Kurtz AB; Pennell RG; Rifkin MD; Vilano M; Baltarowich OH, *Radiology* 1987; 165: 687
- indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoaneurysms, Gilbert BR; Cerqueira MD; Vea HW; Nelp WB, *Radiology* 1986; 158: 761
- indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoaneurysms, Bauman JM; Landry AJ; Cawthon MA; Hartshorne MF, *Radiology* 1986; 161: 570
- peripheral pseudoaneurysms: evaluation with duplex US, Coughlin BF; Paushter DM, *Radiology* 1988; 168: 339
- ultrasound diagnosis of profunda femoris pseudoaneurysm following nail-plate fixation of a transcervical femoral fracture, Ritchie DA; Hill D; Fullerton GM; et al, *Br J Radiol* 1987; 60: 502
- Aneurysm, gastroduodenal**
- detection of an asymptomatic gastroduodenal artery aneurysm by real-time a d pulsed Doppler sonography, Dufresne M-F; Dubuc G; Nicolet V; et al, *J Canad Assoc Radiol* 1986; 37: 40
- development and regression of visceral artery aneurysms following liver transplantation: case report, Larson PA; Lipchik EO; Adams MB, *Cardiovasc Intervent Radiol* 1988; 11: 75
- nonoperative management of peripancreatic arterial aneurysms: a 10-year experience, (ab), Mandel SR; Jaques PF; Mauro MA; et al, *Radiology* 1987; 164: 590
- splanchnic artery aneurysms and pseudoaneurysms: transcatheter embolization, Baker KS; Tisnado J; Cho S-R; Beachley MC, *Radiology* 1987; 163: 135
- Aneurysm, hepatic**
- aneurysmal portahepatic venous fistula: report of two cases, Chagnon SF; Vallee CA; Barge J; Chevalier L; Le Gal J; Blery MV, *Radiology* 1986; 159: 693
- aneurysm of the proper hepatic artery as a rare source of upper gastrointestinal bleeding, Hugel HE; Oser W; Bodner E, *Gastrointest Radiol* 1986; 11: 158
- duodenal fistula: complication of a pseudoaneurysm of the common hepatic artery, Aggarwal S; Berry M, *Gastrointest Radiol* 1988; 13: 230

Aneurysm, hepatic

- hemobilia associated with hepatic artery aneurysms: scintigraphic detection with technetium-99m-labeled red blood cells, Jackson DE Jr; Floyd JL; Levesque PH, *J Nucl Med* 1986; 27: 491
- hepatic artery aneurysm: CT and MR features, Zalman M; Matos C; Van Gansbeke D; et al, *Gastrointest Radiol* 1987; 12: 203
- hepatic artery aneurysm: ultrasonic diagnosis, Rigaux A; Vossen P; Van Baarle A; et al, *JCU* 1986; 14: 401
- mycotic aneurysm of the right hepatic artery presenting with obstructive jaundice, Tierney AB; Palmer FJ, *Australas Radiol* 1987; 31: 50
- nonoperative management of peripancreatic arterial aneurysms: a 10-year experience, (ab), Mandel SR; Jaques PF; Mauro MA; et al, *Radiology* 1987; 164: 590
- pseudoaneurysm of anomalous right hepatic artery as a cause for hemobilia: pancreatitis, Rao RCK; Kumar A; Berry M, *Gastrointest Radiol* 1987; 12: 313
- pseudoaneurysms complicating organ transplantation: roles of CT, duplex sonography, and angiography, Tobben PJ; Zajko AB; Sumkin JH; Bowen A; Fuhrman CR; Skolnick ML; Bron KM; Esquivel CO; Starzl TE, *Radiology* 1988; 169: 65
- sonography in the diagnosis of hepatic artery aneurysms, Athey PA; Sax SL; Lamki N; et al, *AJR* 1986; 147: 725
- splanchnic artery aneurysms and pseudoaneurysms: transcatheter embolization, Baker KS; Tisnado J; Cho S-R; Beachley MC, *Radiology* 1987; 163: 135
- Aneurysm, iliac**
- iliac artery aneurysms arising in patients having had resections of abdominal aneurysms, Munk PL; Pitman RG; Chipperfield PM; et al, *J Canad Assoc Radiol* 1988; 39: 224
- isolated external iliac artery aneurysm secondary to cystic medial necrosis, Crivello MS; Porter DH; Kim D; et al, *Cardiovasc Intervent Radiol* 1986; 9: 139
- urological manifestations of isolated iliac artery aneurysms, (ab), Marino R; Mooppan UMM; Zein TA; et al, *Radiology* 1987; 164: 883
- Aneurysm, intracranial**
- comparison of MR imaging and CT in patients with intracranial aneurysm clips, Holtás S; Olsson M; Romner B; et al, *AJNR* 1988; 9: 891
- completely thrombosed giant aneurysm of the pericallosal artery: case report, Nitta T; Nakajima K; Maeda M; et al, *CT* 1987; 11: 140
- detection of unruptured familial intracranial aneurysms by intravenous digital subtraction angiography: screening of two affected families, ter Berg JWM; Overtoom TMD; Ludwig JW; et al, *Neuroradiol* 1987; 29: 272
- even echo MR rephasing in the diagnosis of giant intracranial aneurysm, Alvarez O; Hyman RA, *JCAT* 1986; 10: 699
- giant intracranial aneurysms: MR imaging, Olsen WL; Brant-Zawadzki M; Hodes J; Norman D; Newton TH, *Radiology* 1987; 163: 431
- growth-mechanism of giant intracranial aneurysms: demonstration by CT and MR imaging, Schubiger O; Valavanis A; Wichmann W, *Neuroradiol* 1987; 29: 266
- intracranial aneurysms: MR imaging, Biondi A; Scialfa G; Scotti G, *Neuroradiol* 1988; 30: 214
- intracranial arterial aneurysms in childhood: more recent considerations, (ab), Zee C-S; Segall HD; McComb JG; et al, *Radiology* 1986; 161: 287
- intravenous digital subtraction angiography in intracranial aneurysms, Butler P; Freer CEL; Jha AN; et al, *Br J Radiol* 1987; 60: 323
- magnetic resonance imaging with even-echo rephasing sequences in the assessment and management of giant intracranial aneurysms, Jaspán T; Wilson M; O'Donnell H; et al, *Br J Radiol* 1988; 61: 351
- MR evaluation of large intracranial aneurysms using cine low flip angle gradient-refocused imaging, Tsuruda JS; Halbach VV; Higashida RT; et al, *AJNR* 1988; 9: 415

- MR identification of bleeding site in subarachnoid hemorrhage with multiple intracranial aneurysms, Hackney DB; Lesnick JE; Zimmerman RA; et al, *JCAT* 1986; 10: 878
- MR imaging in patients with intracranial aneurysm clips, Becker RL; Norfray JF; Teitelbaum GP; et al, *AJNR* 1988; 9: 885
- partially thrombosed giant aneurysm simulating an arteriovenous malformation on MR imaging, Camras LR; Reicher MA; Bentson JR; et al, *JCAT* 1987; 11: 326
- peripheral signal void ring in giant vertebral aneurysm: MR and pathology findings, Hahn FJ; Ong E; McComb RD; et al, *JCAT* 1986; 10: 1036
- traumatic aneurysms of the pericallosal arteries, Nakstad PH; Nornes H; Hauge HN, *Neuroradiol* 1986; 28: 335
- usefulness of computed tomography in predicting outcome after aneurysmal subarachnoid hemorrhage: a preliminary report of the cooperative aneurysm study, (ab), Adams HP Jr; Kassell NF; Torner JC, *Radiology* 1986; 160: 286
- vascular intracranial lesions: applications of gradient-echo MR imaging, Atlas SW; Mark AS; Fram EK; Grossman RI, *Radiology* 1988; 169: 455
- Aneurysm, mesenteric**
- aneurysm of the superior mesenteric vein, Mathias KD; Hoffmann J; Krabb HJ; et al, *Cardiovasc Intervent Radiol* 1987; 10: 269
- computed tomography of isolated dissecting aneurysm of superior mesenteric artery, Takehara Y; Takahashi M; Fukaya T; et al, *JCAT* 1988; 12: 678
- splanchnic artery aneurysms and pseudoaneurysms: transcatheter embolization, Baker KS; Tisnado J; Cho S-R; Beachley MC, *Radiology* 1987; 163: 135
- superior mesenteric aneurysm diagnosed by ultrasound, Mourad K; Guggiana P; Minasian H, *Br J Radiol* 1987; 60: 287
- Aneurysm, MR studies**
- giant intracranial aneurysms: MR imaging, Olsen WL; Brant-Zawadzki M; Hodes J; Norman D; Newton TH, *Radiology* 1987; 163: 431
- growth-mechanism of giant intracranial aneurysms: demonstration by CT and MR imaging, Schubiger O; Valavanis A; Wichmann W, *Neuroradiol* 1987; 29: 266
- intracranial aneurysms: MR imaging, Biondi A; Scialfa G; Scotti G, *Neuroradiol* 1988; 30: 214
- magnetic resonance imaging of aneurysms and thrombi, Zeitler E; Kaiser W; Schuierer G; et al, *Cardiovasc Intervent Radiol* 1986; 9: 321
- MR evaluation of large intracranial aneurysms using cine low flip angle gradient-refocused imaging, Tsuruda JS; Halbach VV; Higashida RT; et al, *AJNR* 1988; 9: 415
- MR of CSF flow phenomenon mimicking basilar artery aneurysm, Burt TB, *AJNR* 1987; 8: 55
- partially thrombosed giant aneurysm simulating an arteriovenous malformation on MR imaging, Camras LR; Reicher MA; Bentson JR; et al, *JCAT* 1987; 11: 326
- peripheral signal void ring in giant vertebral aneurysm: MR and pathology findings, Hahn FJ; Ong E; McComb RD; et al, *JCAT* 1986; 10: 1036
- Aneurysm, mycotic**
- case report: computed tomography and ultrasound diagnosis of mycotic aneurysm of the abdominal aorta due to salmonella, Wilde CC; Tan L; Cheong FW, *Clin Radiol* 1987; 38: 325
- gallium-67 citrate accumulation in a mycotic popliteal artery aneurysm, Leclerc Y; Verreault J; Bisson G, *Clin Nucl Med* 1988; 13: 571
- mycotic aneurysm in angitis associated with herpes zoster ophthalmicus, O'Donohue JM; Enzmann DR, *AJNR* 1987; 8: 615
- mycotic aneurysm of the renal artery: CT appearance, Stavos JM; Reinke DB; Miller RP, *Br J Radiol* 1986; 59: 401
- mycotic aneurysm of the right hepatic artery presenting with obstructive jaundice, Tierney AB; Palmer FJ, *Australas Radiol* 1987; 31: 50

- mycotic aneurysms of the aorta: radiologic features, Gonda RL Jr; Gutierrez OH; Azodo MVU, *Radiology* 1988; 168: 343
- mycotic aneurysms of the aortic root: a pathologic study of 20 cases, (ab), Feigl D; Feigl A; Edwards JE, *Radiology* 1987; 164: 293
- mycotic aneurysm visualized on technetium-99m venogram, Skarzynski JJ; Mockapetris A; Lee HK; et al, *Clin Nucl Med* 1987; 12: 428
- mycotic embolism and embolomycotic aneurysms: neglected lessons of the past, (ab), Dean RH; Waterhouse G; Meacham PW; et al, *Radiology* 1987; 163: 292
- mycotic right coronary artery aneurysm: CT and MR diagnosis, Strasser SF; Matalon TAS; Turner DA; et al, *JCAT* 1986; 10: 667
- percutaneous coil embolization in the management of peripheral mycotic aneurysms, Glanz S; Gordon DH; Sclafani SJA, *Cardiovasc Intervent Radiol* 1987; 10: 198
- rapid evolution of a large mycotic aneurysm of the abdominal aorta, Byard RW; Leduc JR; Chambers RJ; et al, *J Canad Assoc Radiol* 1988; 39: 62
- ruptured mycotic aneurysms, Patel YD; Norowitz DB, *Cardiovasc Intervent Radiol* 1988; 11: 86
- ultrasound visualization of a mycotic left gastric aneurysm, Arenson AM; Huang SN; McKee JD, *J Canad Assoc Radiol* 1986; 37: 285
- Aneurysm, pancreaticoduodenal**
- hepatic artery pseudoaneurysm: diagnosis with real-time and pulsed Doppler US, Falkoff GE; Taylor KJW; Morse SS, *Radiology* 1986; 158: 55
- pseudoaneurysms complicating organ transplantation: roles of CT, duplex sonography, and angiography, Tobben PJ; Zajko AB; Sumkin JH; Bowen A; Fuhrman CR; Skolnick ML; Bron KM; Esquivel CO; Starzl TE, *Radiology* 1988; 169: 65
- splanchnic artery aneurysms and pseudoaneurysms: transcatheter embolization, Baker KS; Tisnado J; Cho S-R; Beachley MC, *Radiology* 1987; 163: 135
- Aneurysm, portal vein**
- aneurysmal dilatation of the portal vein: case diagnosed by real-time ultrasonography, Boyez M; Fourcade Y; Sebag A; et al, *Gastrointest Radiol* 1986; 11: 319
- CT demonstration of portal vein aneurysm, Andoh K; Tanohata K; Asakura K; et al, *JCAT* 1988; 12: 325
- sonographic diagnosis of aneurysm of the right portal vein, Fannery D; Castillo M; Montalvo B; et al, *J Ultrasound Med* 1987; 6: 605
- Aneurysm, pulmonary**
- CT demonstration of a traumatic aneurysm of the pulmonary artery, Daykin EL; Irwin GAL; Harrison DA, *JCAT* 1986; 10: 323
- traumatic pulmonary artery aneurysm: CT evaluation, Crivello MS; Hayes C; Thurer RL; et al, *JCAT* 1986; 10: 503
- traumatic pulmonary artery pseudoaneurysm, Gavanti ML; Winer-Muram HT, *J Canad Assoc Radiol* 1986; 37: 108
- Aneurysm, renal**
- CT demonstration of aneurysms in polyarteritis nodosa, Wilms GE; Oyen R; Waer M; et al, *JCAT* 1986; 10: 513
- incidence of microaneurysms in polyarteritis nodosa, Sellar RJ; Mackay IG; Buist TAS, *Cardiovasc Intervent Radiol* 1986; 9: 123
- mycotic aneurysm of the renal artery: CT appearance, Stavos JM; Reinke DB; Miller RP, *Br J Radiol* 1986; 59: 401
- pseudoaneurysms complicating organ transplantation: roles of CT, duplex sonography, and angiography, Tobben PJ; Zajko AB; Sumkin JH; Bowen A; Fuhrman CR; Skolnick ML; Bron KM; Esquivel CO; Starzl TE, *Radiology* 1988; 169: 65
- unusual clinical presentations of bilateral renal artery aneurysms in a child: the value of ultrasound in diagnosis, Walsh JS; Hendry GMA; Utley WS, *Pediatr Radiol* 1987; 17: 436
- Aneurysm, rupture**
- aneurysmal rupture during computed tomography scanning, Allen RF; Williams JP; Joslyn JN; et al, *CT* 1986; 10: 93

- computed tomography of life-threatening complications of abdominal aortic aneurysms: disrupted aortic wall, Raptopoulos V; Cummings T; Smith EH, *Invest Radiol* 1987; 22: 372
- CT of ruptured aneurysm of aberrant right subclavian artery, Vega A; Ortiz A; Longo JM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 13
- hemorrhagic pancreatic: CT manifestations, Yoshikawa T; Murakami J; Nishihara H; et al, *JCAT* 1986; 10: 510
- intrarenal rupture of the abdominal aorta: CT features, Gavanti ML; Salazar JE; Ellis JV, *JCAT* 1986; 10: 516
- perirenal cobwebs: a sign of aortic aneurysm rupture, Albertin LE, *Australas Radiol* 1988; 32: 98
- problems in CT diagnosis of ruptured abdominal aortic aneurysms, Gale ME; Johnson WC; Gerzof SG; et al, *JCAT* 1986; 10: 637
- ruptured arterial aneurysms in the area of the celiac trunk, Battikha JG; Schneider PA; Garcia J; et al, *Eur J Radiol* 1987; 7: 94
- ruptured mycotic aneurysms, Patel YD; Norowitz DB, *Cardiovasc Intervent Radiol* 1988; 11: 86
- ruptured thoracic aneurysm: unusual manifestation and early diagnosis using CT, Kucich VA; Vogelzang RL; Hartz RS; LoCicero J III; Dalton D, *Radiology* 1986; 160: 87
- Aneurysm, saphenous**
primary saphenous venous aneurysms presenting in a child, Yasumoto M; Shibuya H; Goto Y; et al, *Clin Nucl Med* 1987; 12: 29
- Aneurysm, sciatic**
CT demonstration of aneurysm of a persistent sciatic artery, Wilms GE; Storme L; Vandaele L; et al, *JCAT* 1986; 10: 524
- Aneurysm, splenic**
development and regression of visceral artery aneurysms following liver transplantation: case report, Larson PA; Lipchik EO; Adams MB, *Cardiovasc Intervent Radiol* 1988; 11: 75
- hemorrhagic pancreatic: CT manifestations, Yoshikawa T; Murakami J; Nishihara H; et al, *JCAT* 1986; 10: 510
- nonoperative management of peripancreatic arterial aneurysms: a 10-year experience, (ab), Mandel SR; Jaques PF; Mauro MA; et al, *Radiology* 1987; 164: 590
- splenic artery aneurysms and pseudoaneurysms: transcatheter embolization, Baker KS; Tisnado J; Cho S-R; Beachley MC, *Radiology* 1987; 163: 135
- Aneurysm, subclavian**
aneurysm of an aberrant right subclavian artery, Poon FW; Stewart IS, *Br J Radiol* 1988; 61: 249
- CT of ruptured aneurysm of aberrant right subclavian artery, Vega A; Ortiz A; Longo JM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 13
- embolization of a subclavian artery aneurysm with steel coils and thrombin, Fedullo LM; Meranze SG; McLean GK; et al, *Cardiovasc Intervent Radiol* 1987; 10: 134
- MR imaging of aneurysm of an aberrant right subclavian artery, Brown K; Batra P, *JCAT* 1987; 11: 1071
- right subclavian artery aneurysms—role of CT, Stark P; David C, *Comput Radiol* 1986; 4: 253
- subclavian aneurysm producing the subclavian steal syndrome, Otto R; Tan WS; Spigos DG, *Cardiovasc Intervent Radiol* 1986; 9: 90
- Aneurysm, vein of Galen**
Gianturco coil embolization of vein of Galen aneurysms: technical aspects, Hanner JS; Quisling RG; Mickle JP; Hawkins JS, *Radiographics* 1988; 8: 935
- MR of an aneurysm of the vein of Galen, Roosen N; Schirmer M; Lins E; et al, *AJNR* 1986; 7: 733
- role of dural anomalies in vein of Galen aneurysms: report of six cases and review of the literature, Lasjaunias P; TerBrugghe KG; Ibor LL; et al, *AJNR* 1987; 8: 185
- spontaneous thrombosis of a vein of Galen aneurysm, Whitaker JB; Latak JT; Venes JL, *AJNR* 1987; 8: 1134
- Aneurysm, vertebral**
bull's-eye sign of extracranial cervical aneurysms, Som PM; Dorfman GS; Reede DL; et al, *CT* 1988; 12: 81
- endovascular treatment of aneurysms of the terminal vertebral artery, Aymard A; Merland JJ; Rufenacht D; et al, *J Neurosurg* 1987; 14: 1
- giant aneurysm of the vertebral artery simulating intracranial tumour at the foramen magnum, Sørensen P; Lundorf E, *Neuroradiol* 1988; 30: 359
- Aneurysm, vertebrobasilar**
saccular aneurysms in basilar artery fenestration, Campos J; Fox AJ; Vinuela FV; et al, *AJNR* 1987; 8: 233
- Aneurysmal bone cyst**
See Bones, cysts
- Angina**
angiographic demonstration of a common link between unstable angina pectoris and non-Q wave acute myocardial infarction, (ab), Ambrose JA; Hjemdahl-Monsen CE; Borrico S; et al, *Radiology* 1988; 169: 291
- dynamic variations in resistance of coronary arterial narrowings in angina pectoris at rest, (ab), Ganz P; Abben RP; Barry WH, *Radiology* 1987; 164: 884
- magnetic resonance imaging in patients with unstable angina: comparison with acute myocardial infarction and normals, Ahmad M; Johnson RF Jr; Fawcett HD; et al, *Magn Res Imag* 1988; 6: 527
- Angiocardiology**
See also Angiography; Coronary angiography
comparison of digital with conventional ventriculography for quantitative right ventricular studies, Lange PE; Radtke W; Fellows KE; et al, *Cardiovasc Intervent Radiol* 1988; 11: 5
- could inspiratory apnea disturb left ventricular volume assessment by contrast angiography?, Rocha P; Pathe M; Baron B; et al, *Cardiovasc Intervent Radiol* 1987; 10: 65
- cytogenetic effects of cardioangiography on blood lymphocytes in children and in vitro effects of contrast medium and low dose radiation, Nikula E; Kiviniitty K, *Acta Oncol* 1987; 26: 69
- estimation of left ventricular volume and mass by magnetic resonance imaging: comparison with quantitative biplane angiocardiology, Just H; Holubarsch C; Friedburg H, *Cardiovasc Intervent Radiol* 1987; 10: 1
- gallbladder opacification in infants following high dose angiocardiology, Markowitz RJ; Malat J; Keller MS; et al, *Pediatr Radiol* 1988; 18: 319
- gallbladder visualization following pediatric cardioangiography with Hexabrix, (ab), Gillespie JE; Ghoshkar A; Gupta S, *Radiology* 1986; 158: 575
- persisting myocardial sinusoids of both ventricles as an isolated anomaly: echocardiographic, angiographic, and pathologic anatomical findings, Jenni R; Goebel N; Tartini R; et al, *Cardiovasc Intervent Radiol* 1986; 9: 127
- Angiocardiology, contrast media**
cardioangiography in children with iohexol, metrizoate and ioxaglate, (ab), Kunnen M; Van Egmond H; Verhaaren H; et al, *Radiology* 1986; 158: 283
- double-blind study of a new nonionic contrast agent for cardiac angiography, Reagan K; Bettman MA; Finkelstein J; Ganz P; Grassi CJ, *Radiology* 1988; 167: 409
- Angiocardiology, radionuclide**
congenitally corrected transposition in the adult: detection by radionuclide angiocardiology, Daves ML; Pryor RJ; Bowles CR, *Radiology* 1986; 160: 854
- congenitally corrected transposition in the adult: detection by radionuclide angiocardiology: reply, Guit GL; Kroon HM; Chin JG; Pauwels EK; van Voorthuizen AE, *Radiology* 1986; 160: 854
- quantitative radionuclide angiocardiology, Grégoire J; Parker JA; Holman BL, *Cardiovasc Intervent Radiol* 1987; 10: 384
- radionuclide angiocardiology in the clinical evaluation of cardiac malpositions in situs solitus in adults, Guit GL; Kroon HM; Chin JG; et al, *J Nucl Med* 1986; 27: 484
- radionuclide cardioangiographic**
demonstration of a coronary artery fistula, Wells RG; Litwin SB; Sty JR, *Pediatr Radiol* 1986; 16: 61
- role of radionuclide shunt studies in management of infants and children, Hurwitz RA; Caldwell RL; Mahony L; et al, *Clin Nucl Med* 1986; 11: 781
- splenic "disappearance" during gated exercise nuclear angiocardiology, Gates CF; Ames AW, *Clin Nucl Med* 1986; 11: 683
- usefulness of radionuclide angiocardiology in predicting stenotic mitral orifice area, (ab), Burns RJ; Armitage DL; Fountas PN; et al, *Radiology* 1987; 164: 293
- Angiofibroma**
chemotherapy for aggressive juvenile nasopharyngeal angiofibroma, (ab), Goepfert H; Cangir A; Lee Y-Y, *Radiology* 1986; 159: 287
- embolization of epistaxis and juvenile nasopharyngeal angiofibromas, Davis KR, *AJNR* 1986; 9: 953
- juvenile angiofibroma: imaging by magnetic resonance, CT and conventional techniques, (ab), Lloyd GAS; Phelps PD, *Radiology* 1987; 162: 887
- Angiography**
angiography in patients with arterial trauma: correlation between angiographic abnormalities, operative findings, and clinical outcome, Rose SC; Moore EE, *AJR* 1987; 149: 613
- apparent arterial occlusion due to pneumatic antishock garment: pitfall in trauma angiography (case report), Morse SS; Strauss EB; Sumpio BE, *AJR* 1986; 147: 391
- bronchial arteries: CT demonstration with arteriographic correlation, Furuse M; Saito K; Kunieda E; Aihara T; Tabei H; Ohara T; Fukushima K, *Radiology* 1987; 162: 393
- computed angiography of unruptured cerebral aneurysms, Yamamoto Y; Asari S; Sunami N; et al, *JCAT* 1986; 10: 21
- control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery, Jardin M; Remy J, *Radiology* 1988; 168: 377
- emergency trauma angiography: accuracy, safety, and pitfalls, Rose SC; Moore EE, *AJR* 1987; 148: 1243
- extracranial vascular angiography, Gonzalez CF; Doan HT; Han SS; et al, *Radiol Clin North Am* 1986; 24: 419
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures, Miller DL; Wall RT, *Radiology* 1987; 162: 195
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures, Redmond PL; Kumpe DA, *Radiology* 1987; 164: 284
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures: reply, Miller DL, *Radiology* 1987; 164: 284
- fentanyl and midazolam: an alternative to diazepam, Ayre-Smith G, *Radiology* 1987; 164: 285
- intracranial vascular malformations: imaging of charged-particle radiosurgery. part I. results of therapy, Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 447
- minipuncture angiography, Cope C, *Radiol Clin North Am* 1986; 24: 359
- motor evoked potentials during interventional neuroradiology, Zentner J; Schumacher M; Bien S, *Neuroradiol* 1988; 30: 252
- MR angiography of peripheral, carotid, and coronary arteries, Alifidi RJ; Masaryk TJ; Haacke EM; et al, *AJR* 1987; 149: 1097
- MR subtraction angiography with a matched filter, de Castro JB; Tasciyan TA; Lee JN; et al, *JCAT* 1988; 12: 355
- nonselective angiography after intracorporeal papaverine injection: an alternative technique for evaluating penile arterial integrity, Schwartz AN; Freidenberg D; Harley JD, *Radiology* 1988; 167: 249
- noninvasive repositioning of central venous catheters, Lois JF; Gomes AS; Pusey E, *Radiology* 1987; 165: 329

nonsurgical repositioning of central venous catheters, Hartnell GG; Wilde PH, Radiology 1988; 168: 581

obstetric and nonmalignant gynecologic bleeding: treatment with angiographic embolization, Greenwood LF; Clickman MG; Schwartz PE; Morse SS; Denny DF, Radiology 1987; 164: 155

penetrating vascular injuries of the face and neck: clinical and angiographic correlation, North CM; Ahmadi J; Segall HD; et al, AJNR 1986; 7: 855

quantitation of atherosclerosis in femoral arteriography with ECG gated exposures, Nilsson S; Berglund I; Bylund H; et al, Acta Radiol 1988; 29: 311

quantitative flow measurement in phase contrast MR angiography, Walker MF; Souza SP; Dumoulin CL, JCAT 1988; 12: 304

radiologist and angiographic procedures: absorbed radiation dose, Tryhus M; Mettler FA Jr; Kelsey C, Invest Radiol 1987; 22: 747

repeat femoral arteriography in hyperlipidemic patients: a study of progression and regression of atherosclerosis, Erikson U; Helms G; Hemmingsson A; et al, Acta Radiol 1988; 29: 303

trauma angiography of the extremity: the impact of injury mechanism on triage decisions, Rose SC; Moore EE, Cardiovasc Intervent Radiol 1988; 11: 136

use of fentanyl and diazepam for special procedures, Neff CC, Radiology 1988; 166: 581

use of fentanyl and diazepam for special procedures: reply, Miller DL; Wall RT, Radiology 1988; 166: 581

utilization of angiography in trauma, Chakravarty M, Radiol Clin North Am 1986; 24: 383

Angiography, comparative studies

comparison of brachiocephalic angiography and IVDSA in the same group of patients, Thijssen HOM; Merx JL; Mostart JEJ; et al, Neuroradiol 1988; 30: 91

Angiography, complications

aortic lacerations: fatal complications of thoracic aortography, LaBerge JM; Jeffrey RB Jr, Radiology 1987; 165: 367

blood clot formation in angiographic syringes containing nonionic contrast media, Robertson HJF, Radiology 1987; 162: 621

blood clot formation in angiographic syringes containing nonionic contrast media, Millward S; Wedding K; Frankow-Reid E, Radiology 1987; 164: 879

blood clot formation in angiographic syringes containing nonionic contrast media, Rasuli P, Radiology 1987; 165: 582

blood clot formation in angiographic syringes containing nonionic contrast media: reply, Robertson HJF, Radiology 1987; 165: 582

closed system for arterial puncture in patients at risk for AIDS, Olsen WL; Jeffrey RB Jr; Tolentino CS, Radiology 1988; 166: 551

complications in cerebral angiography with iohexol (Omnipaque) and meglumine metrizoate (Isopaque cerebral), Skälpe IO, Neuroradiol 1988; 30: 69

complications of spinal cord arteriography: prospective assessment of risk for diagnostic procedures, Forbes G; Nichols DA; Jack CR Jr; Ilstrup DM; Kispert DB; Piegras DG; Wiebers DO; Earnest FIV; Axley PL, Radiology 1988; 169: 479

experimental investigations of the Hexabrix-papaverine interaction, McGill JE; Rysavy JA; Frick MP, Radiology 1988; 166: 577

femoral artery compression device for outpatient angiography, Colapinto RF; Harty PW, Radiology 1988; 166: 890

incompatibility of Hexabrix and papaverine in peripheral arteriography, Shah SJ; Gerlock AJ Jr, Radiology 1987; 162: 619

indium-111 labeled platelet deposition following transfemoral angiography, O'Connor MK; Brennan SS; Shanik DG, Radiology 1986; 158: 191

intravascular contrast media: effect of dose on renal function, Miller DL; Chang R; Wells WT; Dowjat BA; Malinsky RM; Doppman JL, Radiology 1988; 167: 607

osmolality and ionicity: confusion in terminology applied to contrast media, De Bono GG, Radiology 1988; 168: 281

osmolality and ionicity: confusion in terminology applied to contrast media: reply, Sovak M; Robertson HJF, Radiology 1988; 168: 281

pain during angiography: randomized double-blind trial comparing ioxaglate and diatrizoate, Pathria M; Somers S; Gill G, J Canad Assoc Radiol 1987; 38: 32

prosthetic arterial graft occlusion: a complication of tourniquet use during arteriography, Zagoria RJ; D'Souza VJ; Sharling ES, Radiology 1988; 167: 121

scintigraphic detection of bleeding after transfemoral arteriography, using technetium-99m labeled RBCs, Glips S; Israel O, Clin Nucl Med 1986; 11: 669

septic arthritis of the hip: a rare complication of angiography, Resnik CS; Sawyer RW; Tisnado J, J Canad Assoc Radiol 1987; 38: 299

Angiography, contrast media

addition of local anesthetics to contrast media: I. effects on patient discomfort and hemodynamics in aortofemoral angiography, Nilsson P; Almen T; Golman K; et al, Acta Radiol 1987; 28: 209

blood clot formation in angiographic syringes containing nonionic contrast media, Robertson HJF, Radiology 1987; 162: 621

blood clot formation in angiographic syringes containing nonionic contrast media, Millward S; Wedding K; Frankow-Reid E, Radiology 1987; 164: 879

blood clot formation in angiographic syringes containing nonionic contrast media, Rasuli P, Radiology 1987; 165: 582

blood clot formation in angiographic syringes containing nonionic contrast media: reply, Robertson HJF, Radiology 1987; 165: 582

comparative trial of hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and lopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report, Doyon D; Ducot B; Halimi PH; et al, Br J Radiol 1987; 60: 671

comparison of low-osmolar contrast media in paediatric cardiac angiography, Rubin CME; Ogilvie BC; Keeton BR, Br J Radiol 1987; 60: 133

contrast media for angiography: effect on renal function, Cruz C; Hricak H; Samhoury F; Smith RF; Elyer WR; Levin NW, Radiology 1986; 158: 109

cytotoxic effects of six angiographic contrast media on human endothelium in culture, Laerum F, Acta Radiol 1987; 28: 99

heating contrast media in a microwave oven, Halsell RD, Radiology 1987; 163: 279

heating contrast media: role in contemporary angiography, Halsell RD, Radiology 1987; 164: 276

intravascular contrast media: effect of dose on renal function, Miller DL; Chang R; Wells WT; Dowjat BA; Malinsky RM; Doppman JL, Radiology 1988; 167: 607

in vitro study of high-pressure catheters and various contrast agents, Rees CR; Merchun G; Becker GJ; Klatte EC; Mail JT; Mulry C, Radiology 1988; 166: 53

iohexol and ioxaglate in peripheral angiography, Stiris MC; Laerum F, Acta Radiol 1987; 28: 767

optimal concentration of contrast medium for aortography and femoral arteriography: comparison of Hexabrix 320 and Hexabrix 250, Grainger RG, Clin Radiol 1986; 37: 281

osmolality and ionicity: confusion in terminology applied to contrast media, De Bono GG, Radiology 1988; 168: 281

osmolality and ionicity: confusion in terminology applied to contrast media: reply, Sovak M; Robertson HJF, Radiology 1988; 168: 281

peripheral vascular disease: prospective study of intraarterial digital subtraction angiography using a 9-inch intensifier, Garvey CJ; Wilkins RA; Lewis JD, Radiology 1986; 159: 423

pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate, Smith DC; Lois JF; Gomes AS; Maloney MD; Yahiku PY, Radiology 1987; 162: 617

pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate, Seyferth W; Zeitler E, Radiology 1987; 164: 875

pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate: reply, Smith DC; Maloney MD, Radiology 1987; 164: 875

recommended precautions when using low-osmolality or nonionic contrast agents with vasodilators, Zagoria RJ; D'Souza VJ; Baker AL, Invest Radiol 1987; 22: 513

reducing the cost of using contrast media: a look at discarded volumes, Kinnison ML; Steinberg EP; Powe NR; Anderson GF, Radiology 1988; 166: 367

Angiography, in infants and children

application of IV digital subtraction angiography to cranial disease in children, Mueller DL; Amundson GM; Wesenberg RL; et al, AJNR 1986; 7: 669

comparison of low-osmolar contrast media in paediatric cardiac angiography, Rubin CME; Ogilvie BC; Keeton BR, Br J Radiol 1987; 60: 133

cytogenetic effects of cardioangiography on blood lymphocytes in children and in vitro effects of contrast medium and low dose radiation, Nikula E; Kiviniitty K, Acta Oncol 1987; 26: 69

inadvertent ligation of the left pulmonary artery, Jaffe RB; Orsmond GS; Veasy LG, Radiology 1986; 161: 355

outpatient performance of invasive radiologic procedures in pediatric patients, Diamant MJ; Bird CR; Stanley P, Radiology 1988; 166: 401

Angiography, intravenous

application of IV digital subtraction angiography to cranial disease in children, Mueller DL; Amundson GM; Wesenberg RL; et al, AJNR 1986; 7: 669

Angiography, postoperative

inadvertent ligation of the left pulmonary artery, Jaffe RB; Orsmond GS; Veasy LG, Radiology 1986; 161: 355

shunts for portal hypertension: MR and angiography for determination of patency, Bernardino ME; Steinberg HV; Pearson TC; Gaudaudas-McCles RK; Torres WE; Henderson JM, Radiology 1986; 158: 57

Angiography, preoperative

angiographic preoperative bowel segment localization using methylene blue, isosulfan blue, and fluorescein, Jasinski RW; Smith DC; Chase DR; et al, Invest Radiol 1987; 22: 462

arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings, de Lange EE; Vielvoe GJ; Voormolen JHC, Radiology 1986; 158: 721

arterial trauma: diagnostic and therapeutic angiography, Scalfani SJA; Cooper R; Shafat CW; Goldstein AS; Glanz S; Gordon DH, Radiology 1986; 161: 165

balloon occlusion femoral angiography prior to in-situ saphenous vein bypass, Cardella JF; Smith TP; Darcy MD; et al, Cardiovasc Intervent Radiol 1987; 10: 181

Angiography, radionuclide

acute cholecystitis: diagnosis with radionuclide angiography, Colletti PM; Ralls PW; Siegel ME; Halls JM, Radiology 1987; 163: 615

assessment of the radionuclide angiographic left ventricular maximum time-varying elastance calculation in man, Starling MR; Gross MD; Walsh RA; et al, J Nucl Med 1988; 29: 1368

automatic ventricular edge detection for determination of left ventricular volumes, ejection fraction and regional ejection fractions from first pass radioisotope angiography, Yang K-TA; Thompson CJ; Mena I, Comput Med Imag Graph 1988; 12: 147

background correction in first-pass radionuclide angiography: comparison of several approaches, Gal R; Grenier RP; Schmidt DH; et al, J Nucl Med 1986; 27: 1480

comparison of left ventricular diastolic function as determined by nuclear cardiac probe, radionuclide angiography, and contrast cineangiography, Seals AA; Verani MS; Tadros S; et al, J Nucl Med 1986; 27: 1908

- demonstration of aortic root aneurysm on first-pass study of the right heart, Kasser JR; Bamrah P; Glisch J; et al, *Clin Nucl Med* 1987; 12: 71
- demonstration of intracardiac tumor and its associated hemodynamic derangement by radionuclide angiography, Wang D-J; Cheng C-Y; Chen C-Y; et al, *Clin Nucl Med* 1987; 12: 869
- demonstration of persistent left superior vena cava by first pass radionuclide angiography, Cheng C-Y; Wang D-J; Chen W-L; et al, *Clin Nucl Med* 1987; 12: 843
- detection of a false aneurysm in the thigh by scintiangiography: case report, Fritsch S; Arleth J; Becker HM; et al, *Clin Nucl Med* 1987; 12: 564
- evaluation of valvular regurgitation by factor analysis of first-pass angiography, Philippe L; Mena I; Darcourt J; et al, *J Nucl Med* 1988; 29: 159
- first-pass radionuclide angiography using a multiwire gamma camera and tantalum-178, Lacy JL; Verani MS; Ball ME; et al, *J Nucl Med* 1988; 29: 293
- high count rate first-pass radionuclide angiography using a digital gamma camera, Gal R; Grenier RP; Carpenter J; et al, *J Nucl Med* 1986; 27: 198
- monitoring of pancreatic graft perfusion by first passage radionuclide angiography, Thomsen HS; Rasmussen K; Burchard F; et al, *Acta Radiol* 1988; 29: 138
- quantification of left-ventricular regional dysynergy by radionuclide angiography, Starling MR; Walsh RA; Lasher JC; et al, *J Nucl Med* 1987; 28: 1725
- radionuclide angiography in congenitally corrected transposition of the great vessels in an adult, Gal R; Port SC; *J Nucl Med* 1987; 28: 116
- radionuclide angiography in the evaluation of arterial and venous grafts, Rudavsky AZ, *Semin Nucl Med* 1988; 18: 261
- radionuclide angiography in two cases of hepatic actinomycosis, Ueno K; Kabuto H; Haseda Y; et al, *Clin Nucl Med* 1986; 11: 44
- radionuclide angiography of azygos continuation of inferior vena cava in left atrial isomerism (polysplenia syndrome), Roguin N; Lam M; Frenkel A; et al, *Clin Nucl Med* 1987; 12: 708
- right ventricular aneurysm due to ischemic disease: diagnosis of radionuclide angiography with localization of the site of PVC origin by phase analysis, Shaffer PB; Bashore TM; Noto AM; et al, *Clin Nucl Med* 1987; 12: 103
- use of factor analysis in the evaluation of left to right cardiac shunts, Villanueva-Meyer J; Philippe L; Cordero S; et al, *J Nucl Med* 1986; 27: 1442
- Angiography, technology**
- balloon occlusion femoral angiography prior to in-situ saphenous vein bypass, Cardella JF; Smith TP; Darcy MD; et al, *Cardiovasc Intervent Radiol* 1987; 10: 181
- closed system for arterial puncture in patients at risk for AIDS, Olsen WL; Jeffrey RB Jr; Tolentino CS, *Radiology* 1988; 166: 551
- clot embolic stroke in the vertebrobasilar system of rabbits: a transfemoral angiographic technique, Pan G; Wright KC, *Cardiovasc Intervent Radiol* 1987; 10: 285
- development of a new universal neuroangiographic unit, Takahashi M; Miyawaki M; Bussaka H, *Neuroradiol* 1986; 28: 351
- femoral artery compression device for outpatient angiography, Colapinto RF; Harty PW, *Radiology* 1988; 166: 890
- forceful pulsatile local infusion of enzyme accelerates thrombolysis: in vivo evaluation of a new delivery system, Kandarpa K; Drinker PA; Singer SJ; Caramore D, *Radiology* 1988; 168: 739
- functional angiography of the head and neck, Russell EJ, *AJNR* 1986; 7: 927
- glove rattling induction maneuver (GRIM): a valuable angiographic technique, Racker DR; Smith DC, *Cardiovasc Intervent Radiol* 1988; 11: 50
- improved vessel dilator for percutaneous catheterization, Smith TP; Vloder Z; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 271
- in-plane vascular imaging: pulse sequence design and strategy, Lenz GW; Haacke EM; Masaryk TJ; Laub G, *Radiology* 1988; 166: 875
- interventional angiography in the diagnosis of acute lower gastrointestinal bleeding, Roach J; Kozak BE; Keller FS; et al, *Eur J Radiol* 1986; 6: 136
- magnetic resonance angiography, Dumoulin CL; Hart HR Jr, *Radiology* 1986; 161: 717
- minipuncture angiography, Cope C, *Radiol Clin North Am* 1986; 24: 359
- modified sheath introducer for reduced arterial damage, Butto F; Robinson JD; Vloder Z; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 824
- modified technique for percutaneous transfemoral pulmonary angiography, Mills CS; Van Aman ME, *Cardiovasc Intervent Radiol* 1986; 9: 52
- movable core guide wire: evaluation of improved model, Smith TP; Derauf BJ; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1986; 159: 552
- MR gated subtraction angiography: evaluation of lower extremities, Meuli RA; Wedeen VJ; Geller SC; Edelman RR; Frank LR; Brady TJ; Rosen BR, *Radiology* 1986; 159: 411
- MR vascular imaging with a fast gradient refocusing pulse sequence and reformatted images from transaxial sections, Gullberg GT; Wehrli FW; Shimakawa A; Simons MA, *Radiology* 1987; 165: 241
- new catheter for selective and superselective angiography, Rosen RJ, *Cardiovasc Intervent Radiol* 1986; 9: 49
- new heavy-duty exchange guide wire, Butto F; Robinson JD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 276
- new torque guide wire, Robinson JD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 165: 572
- optical push device: aid to the angiographer, Gerard PS; Lefkowitz Z, *Cardiovasc Intervent Radiol* 1986; 9: 111
- percutaneous brachial artery catheterization, Lipchik EO; Sugimoto H, *Radiology* 1986; 160: 842
- peripheral angiography in a standard fluoroscopy room, Dixon PM; Fletcher EWL, *Br J Radiol* 1987; 60: 923
- quantification in peripheral angiography, Harrington DP; Kandarpa K, *Cardiovasc Intervent Radiol* 1987; 10: 400
- rapid three-dimensional angiography with undersampled MR imaging, Wedeen VJ; Chao YS, *JCAT* 1987; 11: 24
- relationship between the common femoral artery, the inguinal crease, and the inguinal ligament: a guide to accurate angiographic puncture, Lechner G; Jantsch H; Waneck R; et al, *Cardiovasc Intervent Radiol* 1988; 11: 165
- safe splenoportography, Brazzini A; Hunter DW; Darcy MD; Smith TP; Cragg AH; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 162: 607
- simplified peripheral arteriography, Owens AP; Logan H; MacElean DP; et al, *Clin Radiol* 1987; 38: 425
- single catheter for aortic arch and selective cerebral angiography, Hinck VC, *AJNR* 1986; 7: 159
- technical advances in penile arteriography, Delcour C; Vandenbosch G; Delatte P; et al, *AJR* 1988; 150: 803
- transbrachial arteriography: techniques and complications, Grollman JH Jr; Marcus R, *Cardiovasc Intervent Radiol* 1988; 11: 32
- translumbar catheter angiography with a needle-sheath system, Gmelin E; Rinast E, *Radiology* 1988; 166: 888
- Angioma**
- adrenal hemangioma: case report, Auh YH; Anand J; Zirinsky K; et al, *CT* 1986; 10: 57
- computed tomography of hemangiomas and related soft-tissue lesions in children, Liu P; Daneman A; Stringer DA; et al, *J Canad Assoc Radiol* 1986; 37: 248
- CT findings in splenic hemangiomas in the Klippel-Trenaunay-Weber syndrome, Pakter RL; Fishman EK; Nusbaum A; et al, *JCAT* 1987; 11: 88
- CT, MRI, and angiography of venous angiomas: a comparative study, Fontaine S; de la Sayette V; Gianfelice D; et al, *J Canad Assoc Radiol* 1987; 38: 259
- cutaneous and visceral hemangiomas in the Klippel-Trenaunay-Weber syndrome: antenatal sonographic detection, Lewis BD; Doubilet PM; Heiler VL; et al, *AJR* 1986; 147: 598
- embolization therapy in the management of infantile hemangioma with Kasabach Merritt syndrome, Sato Y; Frey EE; Wicklund B; et al, *Pediatr Radiol* 1987; 17: 503
- facial vascular malformations in children: conventional and digital, diagnostic and therapeutic angiography, Brunelle FO; Chaumont P; Teillac D; et al, *Pediatr Radiol* 1988; 18: 377
- focal liver masses: differential diagnosis with pulsed Doppler US, Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR, *Radiology* 1987; 164: 643
- hemangioma of the spleen: radiologic-pathologic correlation in ten cases, Ros PR; Moser RP Jr; Dachman AH; Murari PJ; Olmsted WW, *Radiology* 1987; 162: 73
- intraocular tumors: evaluation with MR imaging, Peyster RG; Augsburg JR; Shields JA; Hershhey BL; Eagle R Jr; Hankin ME, *Radiology* 1988; 168: 773
- medial hemangiomas, (ab) Cohen AJ; Saschnig RJ; Hochholzer L, *Radiology* 1987; 165: 587
- MR imaging and CT of extrahepatic cavernous hemangiomas, Levine E; Weitzel LH; Neff JR, *AJR* 1986; 147: 1299
- MR imaging of blue rubber bleb nevus syndrome, Jorizzo JR; Amparo EG, *JCAT* 1986; 10: 686
- MR imaging of cavernous hemangioma of the face and neck, Itoh K; Nishimura K; Togashi K; et al, *JCAT* 1986; 10: 831
- MR imaging of Maffucci syndrome, Unger EC; Kessler HB; Kowalyszyn MJ; et al, *AJR* 1988; 150: 351
- MR imaging of spinal cord hemangioblastoma associated with syringomyelia, Kaffenberger DA; Shah CP; Murtagh FR; et al, *JCAT* 1988; 12: 495
- mucocutaneous and peripheral soft-tissue hemangiomas: MR imaging, Kaplan PA; Williams SM, *Radiology* 1987; 163: 163
- multiple cavernous hemangiomas of the spleen: CT findings, Moss CN; Van Dyke JA; Koehler RE; et al, *JCAT* 1986; 10: 338
- prenatal sonographic diagnosis of a fetal placental hemangioma, Pennell RG; Baltarowich OH, *J Ultrasound Med* 1986; 5: 525
- radiation therapy of hemangiomas, 1909-1959: a cohort based on 50 years of clinical practice at Radiumhemmet, Stockholm, Furst CJ; Lundell M; Holm L-E, *Acta Oncol* 1987; 26: 33
- radiographic appearance of diffuse splenic hemangiomatosis, Rose SC; Kump DA; Manco-Johnson ML, *Gastrointest Radiol* 1986; 11: 342
- Angioma, cardiovascular system**
- case of pericardial hemangioma with consumption coagulopathy cured by radiotherapy, Yoshikawa M; Hayashi T; Sato T; et al, *Pediatr Radiol* 1987; 17: 149
- cerebral venous angioma and a varix: rare combination, Numaguchi Y; Nadell JM; Mizushima A; et al, *Comput Radiol* 1986; 10: 319
- prenatal sonographic diagnosis of atrial hemangioma, Leithiser RE Jr; Fyfe D; Weatherly E III; et al, *AJR* 1986; 147: 1207
- Angioma, central nervous system**
- angiographic, CT and MRI study of cryptic brain stem vascular malformations, Bozzao L; Bastianello S; Fantozzi LM; et al, *J Neuroradiol* 1988; 15: 148
- calified hemangioma of the spinal canal: unusual CT and MR presentation, Salamon O; Freilich MD, *AJNR* 1988; 9: 799
- cavernous angiomas of the spinal cord, (ab) Cosgrove GR; Bertrand G; Fontaine S; et al, *Radiology* 1988; 169: 294
- cavernous hemangioma of the thoracic spinal cord, Wang A-M; Morris JH; Fischer EG; et al, *Neuroradiol* 1988; 30: 261
- cavernous hemangiomas of the spinal cord: MR imaging, Fontaine S; Melanson D; Cosgrove R; Bertrand G, *Radiology* 1988; 166: 839

Angioma, central nervous system

- cerebral varix associated with a venous angioma, Dross P; Raji MR; Dastur KJ, *AJNR* 1987; 8: 373
- cerebral venous angioma of the pons: report of a case with pontine hemorrhage, Ibayashi S; Sadoshima S; Ogata K; et al, *CT* 1986; 10: 377
- CT and MR of angiomatous malformations of the choroid plexus in patients with Sturge-Weber disease, Stimac GK; Solomon MA; Newton TH, *AJNR* 1986; 7: 623
- hemangioblastoma of the cervicomedullary junction: report of three cases, (ab), Sanford RA; Smith RA, *Radiology* 1987; 162: 590
- intracranial and orbital cavernous angiomas: review of 30 cases, (ab), Yamasaki T; Handa H; Yamashita J; et al, *Radiology* 1987; 162: 589
- intratemporal vascular tumors: evaluation with CT, Lo WWM; Horn KL; Carberry JN; Solti-Bohman LG; Wade CT; Brackmann DE; Waluch V, *Radiology* 1986; 159: 181
- MR imaging of orbital cavernous hemangioma, Fries PD; Char DH; Norman D, *JCAT* 1987; 11: 418
- spinal-cord compression caused by vertebral haemangioma relieved by percutaneous catheter embolisation: 15 years later, Hekster REM; Endtz LJ, *Neuroradiol* 1987; 29: 101
- supratentorial hemangioblastoma associated with Von Hippel Lindau disease: case report and review of the literature, Miller MH; Tucker WS; Bilbao JM, *J Canad Assoc Radiol* 1986; 37: 35
- value of CT-scanning in supratentorial haemangioblastomas, Pinto JA; Pereira JR; Guimarães A; et al, *Neuroradiol* 1987; 29: 573
- venous angioma of the brain: CT and angiographic diagnosis, Lim GHK, *Australas Radiol* 1987; 31: 236
- Angioma, gastrointestinal tract**
- accumulation of technetium-99m MDP in a cavernous hemangioma of the liver, Burkhalter JL; Morano JU; Patel BR, *Clin Nucl Med* 1986; 11: 498
- atypical radiographic findings in hepatic cavernous hemangioma: correlation with histologic features, Takayasu K; Moriyama N; Shima Y; et al, *AJR* 1986; 146: 1149
- blood pool SPECT and planar imaging in hepatic hemangioma, Malik MH, *Clin Nucl Med* 1987; 12: 543
- cavernous haemangioma of the liver: a diagnostic problem, Phillips RL, *Australas Radiol* 1987; 31: 287
- cavernous hemangioma of the liver: role of percutaneous biopsy, Cronan JJ; Esparza AR; Dorfman GS; Ridlen MS; Paoletta LP, *Radiology* 1988; 166: 135
- cavernous hemangioma: why is peripheral filling at scintigraphy so rare?, Drane WE; Weatherly E III, *Clin Nucl Med* 1987; 12: 793
- clinical significance of focal echogenic liver lesions, Pen JH; Pelckmans PA; van Maercke YM; et al, *Gastrointest Radiol* 1986; 11: 61
- colorectal hemangioma: radiologic findings, Dachman AH; Ros PR; Shekitka KM; Buck JL; Olmsted WW; Hinton CB, *Radiology* 1988; 167: 31
- computed tomographic appearances of massive neonatal hemangioma of the liver: a case report, Qureshi SA; Gregg JEM; Galloway RW, *CT* 1988; 12: 135
- computed tomography of cavernous hemangiomas of the liver: how sure are we?, Penkrot RJ; Van Thiel D, *CT* 1986; 10: 309
- computed tomography of hepatic cavernous hemangioma, Ashida C; Fishman EK; Zerhouni EA; et al, *JCAT* 1987; 11: 455
- CT demonstration of fluid-fluid levels in nonenhancing hemangiomas of the liver, Itai Y; Ohtomo K; Kokubo T; et al, *JCAT* 1987; 11: 763
- CT of giant cavernous hemangioma, Scatarige JC; Kenny JM; Fishman EK; et al, *AJR* 1987; 149: 83
- detection of abdominal hemangiomas during technetium-99m DTPA renal imaging, du Cret RP; Drake DG; Murray BL; et al, *Clin Nucl Med* 1988; 13: 471
- detection of an iliac cavernous hemangioma by technetium-99m red blood cell imaging, Holloway H; Johnson J; Sandler M, *Clin Nucl Med* 1988; 13: 32
- detection of hemangiomas using whole-body imaging with technetium-99m labeled RBCs, Hollerman JJ; Bernstein MA; Froelich JW; et al, *Clin Nucl Med* 1986; 11: 716
- differentiation of hepatic metastases from hepatic hemangiomas and cysts by using MR imaging, Wittenberg J; Stark DD; Forman BH; et al, *AJR* 1988; 151: 79
- gastrointestinal hemangiomas in children: demonstration with CT, Bank ER; Hernandez RJ; Byrne WJ, *Radiology* 1987; 165: 657
- hemangioma of the liver: heterogeneous appearance on T2-weighted images, Ros PR; Lubbers PR; Olmsted WW; et al, *AJR* 1987; 149: 1167
- hemangioma of the rectum: CT appearance, Perez C; Andreu J; Lauger J; et al, *Gastrointest Radiol* 1987; 12: 347
- hemangioma of the tongue demonstrating a perfusion blood pool mismatch, Front D; Groshar D; Israel O; et al, *Clin Nucl Med* 1986; 11: 113
- hepatic cavernous hemangioma: diagnosis with ^{99m}Tc-labeled red cells and single-photon emission CT, Brodsky RI; Friedman AC; Maurer AH; et al, *AJR* 1987; 148: 125
- hepatic cavernous hemangioma in patients at high risk for liver cancer, Itai Y; Ohnishi S; Ohtomo K; et al, *Acta Radiol* 1987; 28: 697
- hepatic haemangioma: dynamic MRI using gadolinium-DTPA, Ohtomo K; Itai Y; Yoshikawa K; et al, *Eur J Radiol* 1987; 7: 257
- hepatic hemangioma: diagnosis by emission computed tomography, Talley MA; Nguyen DL; Leonard JC, *Clin Nucl Med* 1986; 11: 49
- hepatic hemangioma: dynamic bolus CT, Freeny PC; Marks WM, *AJR* 1986; 147: 711
- hepatic hemangiomas: evaluation by magnetic resonance imaging and technetium-99m red blood cell scintigraphy, Brown RKJ; Gomes A; King W; et al, *J Nucl Med* 1987; 28: 1683
- hepatic hemangioma: unexpected bone scan finding, Le Bel L; Carrier L; Chartrand R; et al, *Clin Nucl Med* 1988; 13: 132
- hepatic tumors: dynamic MR imaging, Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Yashiro N; Iio M; Furukawa K, *Radiology* 1987; 163: 27
- hepatocellular carcinoma and cavernous hemangioma: differentiation with MR imaging, efficacy of T2 values at 0.35 and 1.5 T, Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Iio M, *Radiology* 1988; 168: 621
- iodine-131-labeled Lipiodol retention within hepatic cavernous hemangioma, Park CH; Suh JH; Yoo HS; Lee JT; Kim DI; Lee KS, *Radiology* 1987; 163: 283
- pathognomonic scintigraphic finding of hepatic cavernous hemangioma, Kim SM; Park CH; Yang S-L; et al, *Clin Nucl Med* 1987; 12: 53
- patterns of contrast enhancement of benign and malignant hepatic neoplasms during bolus dynamic and delayed CT, Freeny PC; Marks WM, *Radiology* 1986; 160: 613
- planar and SPECT Tc-99m red blood cell imaging in hepatic cavernous hemangiomas and other hepatic lesions, Intenzo C; Kim S; Madsen M; et al, *Clin Nucl Med* 1988; 13: 237
- radiologic and endoscopic diagnosis of duodenal angioma, Plavčić B; Jereb-Provič B, *Acta Radiol* 1987; 28: 735
- significant reduction of the echogenicity of the compressed cavernous hemangioma, Choji K; Shinohara M; Nojima T; et al, *Acta Radiol* 1988; 29: 317
- sonographically detected hepatic hemangiomas: absence of change over time, Gibney RG; Hendin AP; Cooperberg PL, *AJR* 1987; 149: 953
- splenic hemangioma presenting as a "hot spot" on radiocolloid scintigraphy, Gulenchyn KY; Dover MR; Kelly S, *J Nucl Med* 1986; 27: 804
- splenic hemangioma with thrombocytopenia in a newborn, (ab), Sencer S; Coulter-Knoff A; Day D; et al, *Radiology* 1987; 165: 887
- technetium-99m-labeled red blood cells in the evaluation of hemangiomas of the liver in infants and children, Miller JH, *J Nucl Med* 1987; 28: 1412
- technetium-99m red blood cell scintigraphy in diagnosis of hepatic hemangioma, Prakash R; Jena A; Behari V; et al, *Clin Nucl Med* 1987; 12: 235
- unusual cause of gastrointestinal hemorrhage, Travis RC, *Br J Radiol* 1987; 60: 933
- varied appearances of hepatic cavernous hemangiomas with sonography, computed tomography, magnetic resonance imaging and scintigraphy, Bree RL; Schwab RE; Glazer GM; Fink-Bennett D, *Radiographics* 1987; 7: 1153
- venous hemangioma of the gallbladder, Jones WP; Keller FS; Odreznin GT; et al, *Gastrointest Radiol* 1987; 12: 319
- Angioma, genitourinary system**
- bladder hemangioma: ultrasonographic demonstration, Gupta AK; Bhargava S, *Urol Radiol* 1987; 9: 181
- case report: adrenal haemangioma coexisting with malignant haemangioendothelioma, Nakagawa N; Takahashi M; Maeda K; et al, *Clin Radiol* 1986; 37: 97
- MR demonstration of extensive pelvic involvement in vulvar hemangiomas, O'Neal MF; Amparo EG, *JCAT* 1988; 12: 219
- Angioma, muscular**
- accumulation of technetium-99m MDP in an intramuscular hemangioma, Mandell GA; Harcke HT; Davis N, *Clin Nucl Med* 1986; 11: 487
- case report 440, Yousem DM; Scott WW Jr; Fishman EK, *Skeletal Radiol* 1987; 16: 652
- hemangiomas of skeletal muscle: MR findings in five patients, Yuh WTC; Kathol MH; Sein MA; et al, *AJR* 1987; 149: 765
- MR imaging of soft-tissue hemangiomas: correlation with pathologic findings, Cohen EK; Kressel HY; Perosio T; et al, *AJR* 1988; 150: 1079
- mucocutaneous and peripheral soft-tissue hemangiomas: MR imaging, Kaplan PA; Williams SM, *Radiology* 1987; 163: 163
- positional changes in a hemangioma demonstrated by red blood cell imaging, Greenberg ID; McNicholas P, *Clin Nucl Med* 1987; 12: 668
- skeletal-muscle haemangioma presenting as an abdominal mass, Malone M; de Bruyn R; Spitz L, *Br J Radiol* 1986; 59: 513
- Angioma, respiratory system**
- platelet sequestration in widespread pulmonary hemangiolymphangiectasia: demonstration by indium-111 labeled platelets, Kim SM; Park CH; Thakur ML, *Clin Nucl Med* 1987; 12: 215
- pulmonary capillary hemangiomatosis, (ab), Magee F; Wright JL; Kay JM; et al, *Radiology* 1986; 158: 862
- Angioma, skeletal system**
- case report 367, Pope TL Jr; Fechner RE; Keats TE, *Skeletal Radiol* 1986; 15: 327
- case report 494, Yao L; Lee JK, *Skeletal Radiol* 1988; 17: 378
- co-existence of enchondromatosis exostosis and hemangiomas, Saha MM; Gupta RK; Chauhan S, *Australas Radiol* 1987; 31: 71
- computed tomography in spinal hemangioma with cord compression: report of two cases, Schnyder P; Fankhauser H; Mansouri B, *Skeletal Radiol* 1986; 15: 372
- computed tomography of rib hemangiomas, Ortega W; Mahboubi S; Dalinka MK; et al, *JCAT* 1986; 10: 945
- cranial arteriovenous hemangioma in a neonate, Haynes R; Sobel DF; Holeman G, *AJNR* 1987; 8: 916
- expansile bone lesions of the vertebra, Kumar R; Quinto FC Jr; Madewell JE; David R; Shirkhoda A, *Radiographics* 1988; 8: 749
- hemangioma, a rare cause of photopenic lesion on skeletal imaging, Makhia M; Bofil ER, *Clin Nucl Med* 1988; 13: 661
- mucocutaneous and peripheral soft-tissue hemangiomas: MR imaging, Kaplan PA; Williams SM, *Radiology* 1987; 163: 163
- "ossifying" hemangiomas of the temporal bone: evaluation with CT, Curtin HD; Jensen JE; Barnes L Jr; May M, *Radiology* 1987; 164: 831
- symptomatic vertebral hemangiomas: report of four cases, Baker ND; Greenspan A; Neuwrith M, *Skeletal Radiol* 1986; 15: 458

- vertebral hemangiomas: MR imaging, Ross JS; Masaryk TJ; Modic MT; Carter JR; Mapstone T; Dengel FH, *Radiology* 1987; 165: 165
- vertebral hemangiomas: radiologic evaluation, Laredo J-D; Reizine D; Bard M; Merland J-J, *Radiology* 1986; 161: 183
- Angiomyolipoma**
See Lipoma and lipomatosis
- Angioplasty**
See Arteries, transluminal angioplasty; Veins, transluminal angioplasty
- Angiosarcoma**
See Sarcoma
- Angioscopy**
angioscopic thromboembolism: preliminary observations with a recent technique, (ab), White GH; White RA; Kopchok GE; et al, *Radiology* 1988; 169: 292
- Aniridia**
See Eye, abnormalities
- Anisakiasis**
See Parasites
- Ankle**
case report 382, Ohno T; Kadoya H; Park P; et al, *Skeletal Radiol* 1986; 15: 478
- Ankle, abnormalities**
assimilated os sustentaculi, Bloom RA; Libson E; Lax E; et al, *Skeletal Radiol* 1986; 15: 455
- ball-and-socket ankle joint, Pistoia F; Ozonoff MB; Wintz P, *Skeletal Radiol* 1987; 16: 447
- hemophilic arthropathy: assessment with MR imaging, Yulish BS; Lieberman JM; Strandjord SE; Bryan PJ; Mulopoulos GP; Modic MT, *Radiology* 1987; 164: 759
- Ankle, anatomy**
CT scanning of the foot and ankle: 1. normal anatomy, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1192
- CT scanning of the foot and ankle: 2. clinical applications and review of the literature, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1204
- high-resolution magnetic resonance imaging of the ankle: normal anatomy, Hajek PC; Baker LL; Bjorkengren A; et al, *Skeletal Radiol* 1986; 15: 536
- MR imaging of the normal ankle: correlation with anatomic sections, Kneeland JB; Macrandar S; Middleton WD; et al, *AJR* 1988; 151: 117
- Ankle, arthrography**
arthrography of the ankle joint in chronic instability, Dory MA, *Skeletal Radiol* 1986; 15: 291
- Ankle, CT**
ankle tendons: evaluation with CT, Rosenberg ZS; Feldman F; Singson RD; Kane R, *Radiology* 1988; 166: 221
- CT scanning of the foot and ankle: 1. normal anatomy, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1192
- CT scanning of the foot and ankle: 2. clinical applications and review of the literature, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1204
- pylon fractures of the ankle: a distinct clinical and radiologic entity, Mainwaring BL; Daffner RH; Riemer BL, *Radiology* 1988; 168: 215
- rupture of posterior tibial tendon: CT and MR imaging with surgical correlation, Rosenberg ZS; Cheung Y; Jahss MH; Noto AM; Norman A; Leeds NE, *Radiology* 1988; 169: 229
- soft-tissue abnormalities of the foot and ankle: CT diagnosis, Keyser CK; Gilula LA; Hardy DC; et al, *AJR* 1988; 150: 845
- Ankle, fractures**
MR imaging of osteochondral lesions of talus, Yulish BS; Mulopoulos GP; Goodfellow DB; et al, *JCAT* 1987; 11: 296
- osteochondral fractures of the talus, (ab), Pettine KA; Morrey BF, *Radiology* 1987; 164: 294
- pylon fractures of the ankle: a distinct clinical and radiologic entity, Mainwaring BL; Daffner RH; Riemer BL, *Radiology* 1988; 168: 215
- Ankle, injuries**
ankle: surface coil MR imaging at 1.5 T, Beltran J; Noto AM; Masure JC; Shamam OM; Weiss KL; Zuelzer WA, *Radiology* 1986; 161: 203
- ankle tendons: evaluation with CT, Rosenberg ZS; Feldman F; Singson RD; Kane R, *Radiology* 1988; 166: 221
- arthrography of the ankle joint in chronic instability, Dory MA, *Skeletal Radiol* 1986; 15: 291
- peroneal tendon injuries: CT analysis, Rosenberg ZS; Feldman F; Singson RD, *Radiology* 1986; 161: 743
- radiological analysis of lateral ligament injuries of the ankle, Blanshard KS; Finlay DBL; Scott DJA; et al, *Clin Radiol* 1986; 37: 247
- radiologic findings in lesions of the ligamentum bifurcatum of the midfoot, Nielsen S; Agnolt J; Christensen H, *Skeletal Radiol* 1987; 16: 114
- rupture of the posterior tibial tendon: CT and surgical findings, Rosenberg ZS; Jahss MH; Noto AM; Shreffel MJ; Cheung Y; Frey CC; Norman A, *Radiology* 1988; 167: 489
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- tendons: high-field-strength, surface coil MR imaging, Beltran J; Noto AM; Herman LJ; Lubbers LM, *Radiology* 1987; 162: 735
- Ankle, MR studies**
high-resolution magnetic resonance imaging of the ankle: normal anatomy, Hajek PC; Baker LL; Bjorkengren A; et al, *Skeletal Radiol* 1986; 15: 536
- high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, Middleton WD; Macrandar S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera GF; Foley WD; Jesmanowicz A; Hyde JS, *Radiographics* 1987; 7: 645
- MR imaging of osteochondral lesions of talus, Yulish BS; Mulopoulos GP; Goodfellow DB; et al, *JCAT* 1987; 11: 296
- MR imaging of osteoid osteoma of the talus, Yeager BA; Schiebler ML; Wertheim SB; et al, *JCAT* 1987; 11: 916
- MR imaging of the normal ankle: correlation with anatomic sections, Kneeland JB; Macrandar S; Middleton WD; et al, *AJR* 1988; 151: 117
- rupture of posterior tibial tendon: CT and MR imaging with surgical correlation, Rosenberg ZS; Cheung Y; Jahss MH; Noto AM; Norman A; Leeds NE, *Radiology* 1988; 169: 229
- Ankle, prostheses**
prosthetic procedures of the joints of the ankle and foot, Gold RH; Cracchiolo A III; Bassett LW, *Semin Roentgenol* 1986; 21: 75
- Ankylosing spondylitis**
See Spondylitis
- Anorexia nervosa**
radionuclide gastric emptying studies in patients with anorexia nervosa, Domstad PA; Shih W-J; Humphries L; et al, *J Nucl Med* 1987; 28: 816
- Anoxia**
See Hypoxia
- Antibiotics**
antibiotic commentary, vanSonnenberg E; Varney RR; Casola G, *Radiology* 1988; 166: 901
- antibiotic prophylaxis in vascular and interventional radiology: a rational approach, Spies JB; Rosen RJ; Lebowitz AS, *Radiology* 1988; 166: 381
- antibiotics for radiologic interventional procedures, Hunter DW; Simmons RL; Hulbert JC, *Radiology* 1988; 166: 572
- effect of antibiotic therapy on the sensitivity of indium-111-labeled leukocyte scans, Datz FL; Thorne DA, *J Nucl Med* 1986; 27: 1849
- single-dose antibiotic prophylaxis for biliary surgery: cefazolin vs. moxalactam, (ab), Kellum JM; Duma RJ; Gorbach SL; et al, *Radiology* 1988; 166: 591
- use of antibiotics in interventional radiologic procedures: an important lesson still to be learned, van Waas PFGM; Simoons-Smit IM, *Radiology* 1988; 166: 570
- Anticoagulants**
breast necrosis associated with thromboembolic disorders, Andersson I; Adler DD; Ljungberg O, *Acta Radiol* 1987; 28: 517
- cerebral infarction from non-bacterial thrombotic endocarditis: clinical and pathological study including the effects of anticoagulation, (ab), Rogers LR; Cho E-S; Kempin S; et al, *Radiology* 1988; 167: 295
- chondrodysplasia punctata after warfarin: case report with 18-month follow-up, Tamburrini O; Bartolomeo-De Iuri A; Di Guglielmo GL, *Pediatr Radiol* 1987; 17: 323
- evaluation of gross hematuria in anticoagulated patients: efficacy of IV urography and cystoscopy, Cuttino JT Jr; Clark RL; Feaster SH; et al, *AJR* 1987; 149: 527
- gastrointestinal bleeding in patients receiving long-term anticoagulant therapy, (ab), Wilcox CM; Truss CD, *Radiology* 1988; 168: 883
- recurrence of pulmonary embolism during anticoagulant treatment: a prospective study, (ab), Girard P; Mathieu M; Simonneau G; et al, *Radiology* 1988; 167: 294
- significance of the fluid-blood interface in intracranial hematomas in anticoagulated patients, Weisberg LA, *Comput Radiol* 1987; 11: 175
- treatment of deep vein thrombosis and pulmonary emboli in patients with primary and metastatic brain tumors: anticoagulants or inferior vena cava filter?, (ab), Olin JW; Young JR; Graor RA; et al, *Radiology* 1988; 167: 885
- Antigens and antibodies**
See Immunity
- Anus**
sex differences in anorectal angle and perineal descent, Skomorowska E; Hegedus V, *Gastrointest Radiol* 1987; 12: 353
- Anus, abnormalities**
anal agenesis with recto-bulbar fistula, Gupta AK; Bhargava S; Rohitagi M, *Pediatr Radiol* 1986; 16: 222
- anorectal atresia: prenatal sonographic diagnosis, Harris RD; Nyberg DA; Mack LA; et al, *AJR* 1987; 149: 395
- congenital anorectal anomalies: MR imaging, Sato Y; Pringle KC; Bergman RA; Yuh WTC; Smith WL; Soper RT; Franken EA Jr, *Radiology* 1988; 168: 157
- magnetic resonance of congenital anorectal malformations, Pomeranz SJ; Altman N; Sheldon JJ; et al, *Magn Res Imag* 1986; 4: 69
- MR and CT demonstration of levator sling in congenital anorectal anomalies, Mezzacappa PM; Price AP; Haller JO; et al, *JCAT* 1987; 11: 273
- Anus, CT**
MR and CT demonstration of levator sling in congenital anorectal anomalies, Mezzacappa PM; Price AP; Haller JO; et al, *JCAT* 1987; 11: 273
- Anus, imperforate**
enterolithiasis with imperforate anus: report of two cases with sonographic demonstration and occurrence in a female, Anderson S; Savader B; Barnes J; et al, *Pediatr Radiol* 1988; 18: 130
- MR and CT demonstration of levator sling in congenital anorectal anomalies, Mezzacappa PM; Price AP; Haller JO; et al, *JCAT* 1987; 11: 273
- perirectal mucocele after imperforate anus repair, Panicek DM; Leeson SH; Hitch DC; et al, *Pediatr Radiol* 1987; 17: 73
- Anus, MR studies**
congenital anorectal anomalies: MR imaging, Sato Y; Pringle KC; Bergman RA; Yuh WTC; Smith WL; Soper RT; Franken EA Jr, *Radiology* 1988; 168: 157
- magnetic resonance of congenital anorectal malformations, Pomeranz SJ; Altman N; Sheldon JJ; et al, *Magn Res Imag* 1986; 4: 69
- MR and CT demonstration of levator sling in congenital anorectal anomalies, Mezzacappa PM; Price AP; Haller JO; et al, *JCAT* 1987; 11: 273
- Anus, neoplasms**
feasibility of non-surgical definitive management of anal canal carcinoma, John MJ; Flam M; Lavallo L; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 299
- our experience of conservative treatment of anal canal carcinoma combining external irradiation and interstitial implant: 32 cases treated between 1973 and 1982, Ng Ying Kin NYK; Pignoneux J; Auvray H; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 253
- radiation therapy of anal epidermoid carcinoma, Glimelius B; Pahlman L, *Int J Radiat Oncol Biol Phys* 1987; 13: 305

Anus, neoplasms

- radioactive needle implants in the treatment of anorectal cancer, Price A; Kerr GR; Arnott SJ, *Clin Radiol* 1988; 39: 186
- transanorectal ultrasonography in anal carcinoma: a prospective study of 21 patients, Goldman S; Glimelius B; Norming U; et al, *Acta Radiol* 1988; 29: 337
- Anus, therapeutic radiology**
- feasibility of non-surgical definitive management of anal canal carcinoma, John MJ; Flam M; Lavallo L; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 299
- our experience of conservative treatment of anal canal carcinoma combining external irradiation and interstitial implant: 32 cases treated between 1973 and 1982, Ng Ying Kin NYK; Pignaux J; Auvray H; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 253
- radiation therapy of anal epidermoid carcinoma, Glimelius B; Pahlman L, *Int J Radiat Oncol Biol Phys* 1987; 13: 305
- Anus, US studies**
- transanorectal ultrasonography in anal carcinoma: a prospective study of 21 patients, Goldman S; Glimelius B; Norming U; et al, *Acta Radiol* 1988; 29: 337
- Aorta**
- See also Aortic valve; Aortography
- bifid origin of the left vertebral artery, Eisenberg RA; Vines FS; Taylor SB, *Radiology* 1986; 159: 429
- pulmonary nodule simulated on the lateral chest radiograph by branches of the aortic arch, Cáceres J; Mata J; Rams A; et al, *AJR* 1988; 151: 465
- Aorta, abnormalities**
- abnormalities of the ascending aorta detected by gated blood pool imaging, Sussman MH; Horowitz SF; Navarro JL; et al, *Clin Nucl Med* 1986; 11: 198
- aortic arch development, Effmann EL; Whitman SA; Smith BR, *Radiographics* 1986; 6: 1065
- cervical aortic arch: case report with a 12-year follow-up, Baker KS; Bezirdjian DR; Tisnado J; et al, *J Canad Assoc Radiol* 1987; 38: 302
- circumflex retroesophageal right aortic arch simulating mediastinal tumor or dissecting aneurysm, Shuford WH; Sybers RG; Gordon JJ; et al, *AJR* 1986; 146: 491
- congenital abnormalities of the aortic arch: MR imaging, Gomes AS; Lois JF; George B; Aplan G; Williams RG, *Radiology* 1987; 165: 691
- congenital heart disease: gated MR imaging in 72 patients, Didier D; Higgins CB; Fisher MR; Osaki L; Silverman NH; Cheitlin MD, *Radiology* 1986; 158: 227
- congenital heart disease: gated MR imaging in 72 patients, Julsrud PR, *Radiology* 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D, *Radiology* 1986; 161: 278
- demonstration of ascending aorta in hypoplastic left heart syndrome with aortic atresia by balloon occlusion aortography, Lo RNS; Leung MP; Lau KC, *Pediatr Radiol* 1987; 17: 370
- evaluation of the aorta in the Marfan syndrome by magnetic resonance imaging, (ab), Boxer RA; LaCorte MA; Singh S, *Radiology* 1987; 162: 886
- levotransposition of the aorta: identification of segmental cardiac anatomy using MR imaging, Guit GL; Bluem R; Rohmer J; Wenink AC; Chin JG; Doornbos J; van Voorthuisen AE, *Radiology* 1986; 161: 673
- MR imaging of congenital anomalies of the aortic arch, Kersting-Sommerhoff BA; Sechtem UP; Fisher MR; et al, *AJR* 1987; 149: 9
- MR imaging of double aortic arch, Coscina WF; Kressel HY; Gefter WB; et al, *JCAT* 1986; 10: 673
- MRI of congenital abnormalities of the great arteries, Fletcher BD; Jacobstein MD, *AJR* 1986; 146: 941
- pediatric case of the day, annual meeting, 1985, Bisset GS III; Towbin RB; Strife JL; Gole D, *Radiographics* 1987; 7: 186
- pitfalls of digital angiography in the diagnosis of right aortic arch, Trigava JP; Schoevaerts JC; van Beers B; et al, *Eur J Radiol* 1987; 7: 216

- pseudocoarctation of the aorta, LePage JR; Szecsenyi E; Ross-Duggan JW, *Magn Res Imag* 1988; 6: 65
- vascular rings: MR imaging, Bisset GS III; Strife JL; Kirks DR; et al, *AJR* 1987; 149: 251
- Aorta, abscess**
- diagnosis of aortic root abscess by cross-sectional echocardiography, Mulcahy D; Shapiro LM; Westgate C; et al, *Clin Radiol* 1986; 37: 235
- gallium-67 and magnetic resonance imaging in aortic root abscess, Miller SW; Palmer EL; Dinsmore RE; et al, *J Nucl Med* 1987; 28: 1616
- Aorta, aneurysm**
- See Aneurysm, aortic
- Aorta, angiography**
- See Aortography
- Aorta, calcification**
- calcified ascending aorta after radiation therapy, Coblenz C; Martin L; Tuttle R, *AJR* 1986; 147: 477
- Aorta, coarctation**
- See Aorta, stenosis or obstruction
- Aorta, CT**
- advances in imaging thoracic aortic disease, White RD; Doms GC; Higgins CB, *Invest Radiol* 1986; 21: 761
- aortic dissection following coronary artery bypass surgery: diagnosis by CT, Archer AG; Choyke PL; Zeman RK; et al, *Cardiovasc Intervent Radiol* 1986; 9: 142
- aortic dissection with concurrent abdominal aortic aneurysm: computed tomography diagnosis, Taylor CR; August D; Greenwood L; et al, *CT* 1987; 11: 392
- aortic dissection without intimal rupture: diagnosis with MR imaging and CT, Yamada T; Tada S; Harada J, *Radiology* 1988; 168: 347
- aorticocaval fistula: CT appearance with angiographic correlation, Koslin DB; Kenney PJ; Stanley RJ; et al, *JCAT* 1987; 11: 348
- ascending aorta complications of cardiac surgery: CT evaluation, Thorsen MK; Goodman LR; Sagel SS; et al, *JCAT* 1986; 10: 219
- atypical spontaneous aorto-caval fistula: CT appearance, Epstein DH; Higgins WL, *Comput Radiol* 1986; 4: 189
- complementary role of magnetic resonance imaging, Doppler echocardiography, and computed tomography in the diagnosis of dissecting thoracic aneurysms, (ab), Goldman AP; Kotler MN; Scanlon MH; et al, *Radiology* 1987; 162: 886
- computed tomography in the evaluation of the patient with symptomatic abdominal aortic aneurysm, (ab), Zarnke MD; Gould HR; Goldman MH, *Radiology* 1988; 169: 885
- computed tomography manifestation of a triple-barreled aortic dissection: the Mercedes-Benz mark sign, Shin MS; Zorn GL; Ho K-J, *CT* 1988; 12: 140
- computed tomography of abdominal aortic aneurysm: an in vivo pathological report with a note on dynamic predictors, (ab), Pillari G; Chang JB; Zito J; et al, *Radiology* 1988; 169: 885
- computed tomography of aorticiliac atherosclerosis, (ab), Limpert JD; Vogelzang RL; Yao JST, *Radiology* 1988; 166: 293
- computed tomography of life-threatening complications of abdominal aortic aneurysm: disrupted aortic wall, Raptopoulos V; Cummings T; Smith EH, *Invest Radiol* 1987; 22: 372
- computed tomography of the aortopulmonary window: normal anatomy and pathology, Shin MS; Jolles PR, *CT* 1987; 11: 111
- computed tomography of thoracic aortic disease: accuracy and pitfalls, Vassile N; Mathieu D; Keita K; et al, *JCAT* 1986; 10: 211
- CT demonstration of dissecting hematoma originating in abdominal aorta, Kittredge RD; Gordon RB, *JCAT* 1987; 11: 279
- CT detection of aorticocaval fistula, Middleton WD; Smith DF; Foley WD, *JCAT* 1987; 11: 344
- CT of aortic aneurysms: the distinction between mural and thrombus calcification, Torres WE; Maurer DE; Steinberg HV; et al, *AJR* 1988; 150: 1317
- detection of the intimal flap of aortic dissection on enhanced CT images, Demos TC; Posniak HV; Churchill RJ, *AJR* 1986; 146: 601

- evolution of a mural thrombus in false aneurysm: CT demonstration, Danza FM; Valentini AL; Colosimo C Jr; et al, *JCAT* 1986; 10: 126
- infected aortic aneurysms: CT appearance, Vogelzang RL; Sohaey R, *JCAT* 1988; 12: 109
- inflammatory aortic aneurysm (periaortic fibrosis): radiologic imaging, Cullenward MJ; Scanlan KA; Pozniak MA; Acher CA, *Radiology* 1986; 159: 75
- late CT detection of gas in an aortic graft: normal postoperative finding, Klein J; Gordon D; Glanz S; et al, *Comput Radiol* 1986; 4: 193
- mycotic aneurysms of the aorta: radiologic features, Gonda RL Jr; Gutierrez OH; Azodo MVU, *Radiology* 1988; 168: 343
- normal aorticiliac diameters by CT, Horejs D; Gilbert PM; Burstein S; et al, *JCAT* 1988; 12: 602
- pediatric thoracic aorta: normal measurements determined with CT, Fitzgerald SW; Donaldson JS; Poznanski AK, *Radiology* 1987; 165: 667
- postoperative CT follow-up of aortic dissection, Mathieu D; Keita K; Loisanse D; et al, *JCAT* 1986; 10: 216
- preoperative evaluation of abdominal aortic aneurysms by computed tomography, Papanicolaou N; Wittenberg J; Ferrucci JT Jr; et al, *AJR* 1986; 146: 711
- role of computed tomography in nonobstructive coarctation, Vaid Y; Shin MS; Soto B, *CT* 1987; 11: 95
- role of computed tomography in symptomatic aortic aneurysms, (ab), Johnson WC; Gale ME; Gerzof SG; et al, *Radiology* 1986; 160: 287
- ruptured thoracic aneurysm: unusual manifestation and early diagnosis using CT, Kucich VA; Vogelzang RL; Hartz RS; O'Connell J III; Dalton D, *Radiology* 1986; 160: 87
- superior pericardial recess simulating aortic dissection on computed tomography, Chiles C; Baker ME; Silverman PM, *JCAT* 1986; 10: 421
- Aorta, diseases**
- advances in imaging thoracic aortic disease, White RD; Doms GC; Higgins CB, *Invest Radiol* 1986; 21: 761
- aortic distensibility abnormalities in coronary artery disease, (ab), Stephanadis C; Bush CA; Kalibash AJ; et al, *Radiology* 1988; 166: 588
- inflammatory aortic aneurysm (periaortic fibrosis): radiologic imaging, Cullenward MJ; Scanlan KA; Pozniak MA; Acher CA, *Radiology* 1986; 159: 75
- mid-aortic syndrome: diagnosis and treatment, Lewis VD III; Meranze SG; McLean GK; O'Neill JA Jr; Berkowitz HD; Burke DR, *Radiology* 1988; 167: 111
- Aorta, dissection**
- acute type A dissection of the aorta: surgical management with the sutureless intraluminal prosthesis, (ab), Diehl JT; Moon B; LeClerc Y; et al, *Radiology* 1987; 165: 586
- anuria: an unusual presentation of aortic dissection (diagnosed by ultrasound), Aldridge SM; Birchall IJW, *Br J Radiol* 1987; 60: 195
- aortic dissection, a diagnostic dilemma: case report, Liu G-C; Shah HR; Sharma B; et al, *Cardiovasc Intervent Radiol* 1987; 10: 138
- aortic dissection following coronary artery bypass surgery: diagnosis by CT, Archer AG; Choyke PL; Zeman RK; et al, *Cardiovasc Intervent Radiol* 1986; 9: 142
- aortic dissection masquerading as gastrointestinal disease, Nath PH; Jaques PF; Soto B; et al, *Cardiovasc Intervent Radiol* 1986; 9: 37
- aortic dissection: sensitivity and specificity of MR imaging, Kersting-Sommerhoff BA; Higgins CB; White RD; Sommerhoff CP; Lipton MJ, *Radiology* 1988; 166: 651
- aortic dissection: statistical analysis of the usefulness of plain chest radiographic findings, Jagannath AS; Sos TA; Lockhart SH; et al, *AJR* 1986; 147: 1123
- aortic dissection with concurrent abdominal aortic aneurysm: computed tomography diagnosis, Taylor CR; August D; Greenwood L; et al, *CT* 1987; 11: 392

- aortic dissection without intimal rupture: diagnosis with MR imaging and CT, Yamada T; Tada S; Harada J, *Radiology* 1988; 168: 347
- calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging, von Schulthess GK; Augustiny N, *Radiology* 1987; 164: 549
- case report: aortic dissection: morphology and differential flow velocity patterns demonstrated by magnetic resonance imaging, Mitchell L; Jenkins JPR; Brownlee WC; et al, *Clin Radiol* 1988; 39: 458
- cause for collapse, Nicholson AA; Hayward MWJ, *Br J Radiol* 1988; 61: 649
- complementary role of magnetic resonance imaging, Doppler echocardiography, and computed tomography in the diagnosis of dissecting thoracic aneurysms, (ab), Goldman AP; Kotler MN; Scanlon MH; et al, *Radiology* 1987; 162: 886
- computed tomography manifestation of a triple-barreled aortic dissection: the Mercedes-Benz mark sign, Shin MS; Zorn GL; Ho K-J, *CT* 1988; 12: 140
- computed tomography of thoracic aortic dissection: accuracy and pitfalls, Vasile N; Mathieu D; Keita K; et al, *JCAT* 1986; 10: 211
- CT demonstration of dissecting hematoma originating in abdominal aorta, Kittredge RD; Gordon RB, *JCAT* 1987; 11: 279
- detection of the intimal flap of aortic dissection on unenhanced CT images, Demos TC; Posniak HV; Churchill RJ, *AJR* 1986; 146: 601
- gallium localization in dissecting aortic aneurysm, Haden HT; Lippman HR, *Clin Nucl Med* 1988; 13: 569
- intimo-intimal intussusception: an unusual presentation of aortic dissection, Kasten DJ; Sharma RP; Keith F; et al, *AJR* 1988; 151: 603
- magnetic resonance imaging of the dissected thoracic aorta, Barentsz JO; Ruijs JHJ; Heystraten FMJ; et al, *Br J Radiol* 1987; 60: 499
- magnetic resonance velocity mapping in aortic dissection, Bogren HG; Underwood SR; Firmin DN; et al, *Br J Radiol* 1988; 61: 456
- MR evaluation of chronic aortic dissection, Pernes JM; Grenier P; Desbleds MT; et al, *JCAT* 1987; 11: 975
- MR imaging of blood pool signal variation with cardiac phase in aortic dissection, Akins EW; Hill JA; Carmichael MJ, *JCAT* 1987; 11: 543
- MR imaging of the aorta after surgery for aortic dissection, White RD; Ulliyot DJ; Higgins CB, *AJR* 1988; 150: 87
- MRI of dissection of the aorta: recognition of the intimal tear and differential flow velocities, Dinsmore RE; Wedeen VJ; Miller SW; et al, *AJR* 1986; 146: 1286
- postoperative CT follow-up of aortic dissection, Mathieu D; Keita K; Loaisne D; et al, *JCAT* 1986; 10: 216
- repair of ascending aortic dissection: influence of associated aortic valve insufficiency on early and late results, (ab), Jex RK; Schaff HV; Piehler JM, *Radiology* 1987; 165: 884
- rupture of an aortic dissection into the pericardium, Patel YD, *Cardiovasc Intervent Radiol* 1986; 9: 222
- superior pericardial recess simulating aortic dissection on computed tomography, Chiles C; Baker ME; Silverman PM, *JCAT* 1986; 10: 421
- Aorta, enlarged**
aortic dilation in Turner syndrome, (ab), Allen DB; Hendricks SA; Levy JM, *Radiology* 1987; 164: 884
- Aorta, flow dynamics**
fetal cardiac arrhythmias and their effect on volume blood flow in descending aorta of human fetus, Tonge HM; Wladimiroff JW; Noordam MJ; et al, *JCU* 1986; 14: 607
- Aorta, grafts and prostheses**
acute type A dissection of the aorta: surgical management with the sutureless intraluminal prosthesis, (ab), Diehl JT; Moon B; LeClerc Y; et al, *Radiology* 1987; 165: 586
- angiographic signs of aortic graft-enteric fistulae, Schütte HE, *Clin Radiol* 1987; 38: 503
- direct visualization of aorto-coronary bypass grafts by two-dimensional echocardiography: a new clinical application, Sheiban I; Trevi G; Casarotto D; et al, *Cardiovasc Intervent Radiol* 1988; 11: 14
- duodenal fistula—rare complication following the removal of an infected aortic graft: case report, Hannig C; Allgayer B; Risch M; et al, *Cardiovasc Intervent Radiol* 1986; 9: 33
- late CT detection of gas in an aortic graft: normal postoperative finding, Klein J; Gordon D; Glanz S; et al, *Comput Radiol* 1986; 4: 193
- midaortic syndrome: diagnosis and treatment, Lewis VD III; Meranze SG; McLean GK; O'Neill JA Jr; Berkowitz HD; Burke DR, *Radiology* 1988; 167: 111
- percutaneous endovascular graft: experimental evaluation, Lawrence DD Jr; Charnsangavej C; Wright KC; Gianturco C; Wallace S, *Radiology* 1987; 163: 357
- self-expanding metallic stents: preliminary evaluation in an atherosclerotic model, Rollins N; Wright KC; Charnsangavej C; Wallace S; Gianturco C, *Radiology* 1987; 163: 739
- transcatheter recanalization of a chronically occluded saphenous aortocoronary bypass graft, Marx M; Armstrong WT; Brent BN; et al, *AJR* 1987; 148: 375
- Aorta, inflammation**
See Aortitis
- Aorta, injuries**
aortic lacerations: fatal complications of thoracic aortography, LaBerge JM; Jeffrey RB Jr, *Radiology* 1987; 165: 367
- chronic posttraumatic aneurysm of the thoracic aorta: surgically correctable occult threat, Heystraten FM; Rosenbusch G; Kingma LM; et al, *AJR* 1986; 146: 303
- concerning traumatic aortic tears, Milne ENC, *J Thorac Imag* 1987; 2: 75
- penetrating injuries of the thoracic aorta and brachiocephalic arteries: angiographic findings in 18 cases, Fisher RG; Ben-Menachem Y, *AJR* 1987; 149: 607
- value of chest radiography in excluding traumatic aortic rupture, Mirvis SE; Bidwell JK; Buddemeyer EU; Diaconis JN; Pais SO; Whitley JE; Goldstein LD, *Radiology* 1987; 163: 487
- Aorta, interventional procedure**
See Aorta, transluminal angioplasty
- Aorta, MR studies**
advances in imaging thoracic aortic disease, White RD; Doores GC; Higgins CB, *Invest Radiol* 1986; 21: 761
- aortic dissection: sensitivity and specificity of MR imaging, Kersting-Sommerhoff BA; Higgins CB; White RD; Sommerhoff CP; Lipton MJ, *Radiology* 1988; 166: 651
- aortic dissection without intimal rupture: diagnosis with MR imaging and CT, Yamada T; Tada S; Harada J, *Radiology* 1988; 168: 347
- cardiovascular disease: evaluation with MR phase imaging, Rumancik WM; Naidich DP; Chandra R; Kowalski HM; McCauley DI; Megibow AJ; Hernanz-Schulman M; Genieser NB, *Radiology* 1988; 166: 63
- cardiovascular MRI: current role in patient management, Reed JD Jr; Soulen RL, *Radiol Clin North Am* 1988; 26: 589
- case report: aortic dissection: morphology and differential flow velocity patterns demonstrated by magnetic resonance imaging, Mitchell L; Jenkins JPR; Brownlee WC; et al, *Clin Radiol* 1988; 39: 458
- coarctation of the aorta in children undergoing angioplasty: pretreatment and posttreatment MR imaging, Bank ER; Aisen AM; Rocchini AP; Hernandez RJ, *Radiology* 1987; 162: 235
- coarctation of the aorta: MR imaging, von Schulthess GK; Higashino SM; Higgins SS; Didier D; Fisher MR; Higgins CB, *Radiology* 1986; 158: 469
- complementary role of magnetic resonance imaging, Doppler echocardiography, and computed tomography in the diagnosis of dissecting thoracic aneurysms, (ab), Goldman AP; Kotler MN; Scanlon MH; et al, *Radiology* 1987; 162: 886
- congenital abnormalities of the aortic arch: MR imaging, Gomes AS; Lois JF; George B; Aplan G; Williams RG, *Radiology* 1987; 165: 691
- congenital heart disease: gated MR imaging in 72 patients, Didier D; Higgins CB; Fisher MR; Osaki L; Silverman NH; Cheitlin MD, *Radiology* 1986; 158: 227
- congenital heart disease: gated MR imaging in 72 patients, Julsrud PR, *Radiology* 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D, *Radiology* 1986; 161: 278
- evaluation of an aortic annular pseudoaneurysm by MRI: comparison with echocardiography, angiography and surgery, Akins EW; Limacher M; Slone RM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 188
- evaluation of the aorta in the Marfan syndrome by magnetic resonance imaging, (ab), Boxer RA; LaCorte MA; Singh S, *Radiology* 1987; 162: 886
- gallium-67 and magnetic resonance imaging in aortic root abscess, Miller SW; Palmer EL; Dinsmore RE; et al, *J Nucl Med* 1987; 28: 1616
- levotransposition of the aorta: identification of segmental cardiac anatomy using MR imaging, Guit GL; Bluemm R; Rohmer J; Wenink AC; Chin JG; Doornbos J; van Voorthuisen AE, *Radiology* 1986; 161: 673
- magnetic resonance imaging of aorta and pulmonary circulation: initial experience with ECG-gating, (ab), Lallemand D; Gooding CA; Westbey GE; et al, *Radiology* 1986; 158: 286
- magnetic resonance imaging of aortic aneurysms with 3-D image reconstruction, Valk PE; Hale JD; Crooks LE; et al, *Australas Radiol* 1987; 31: 196
- magnetic resonance imaging of the dissected thoracic aorta, Barentsz JO; Ruijs JHJ; Heystraten FMJ; et al, *Br J Radiol* 1987; 60: 499
- magnetic resonance imaging of thoracic aortic aneurysms: comparison with other imaging methods, Dinsmore RE; Libberthson RR; Wismer GL; et al, *AJR* 1986; 146: 309
- magnetic resonance velocity mapping in aortic dissection, Bogren HG; Underwood SR; Firmin DN; et al, *Br J Radiol* 1988; 61: 456
- measurement of aortic blood flow with MR imaging: comparative study with Doppler US, Matsuda T; Shimizu K; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Tamaki S; Kawai C, *Radiology* 1987; 162: 857
- mediastinal vessels: postoperative evaluation with MR imaging, Katz ME; Glazer HS; Siegel MJ; Gutierrez F; Levitt RG; Lee JKT, *Radiology* 1986; 161: 647
- MR evaluation of chronic aortic dissection, Pernes JM; Grenier P; Desbleds MT; et al, *JCAT* 1987; 11: 975
- MRI diagnosis of aortocaval fistula secondary to ruptured infrarenal abdominal aortic aneurysm, Lupetin AR; Dash N; Contractor FM, *Cardiovasc Intervent Radiol* 1987; 10: 24
- MR imaging of aortic atherosclerosis with 3D image reconstruction, Valk PE; Hale JD; Crooks LE; et al, *JCAT* 1986; 10: 439
- MR imaging of blood pool signal variation with cardiac phase in aortic dissection, Akins EW; Hill JA; Carmichael MJ, *JCAT* 1987; 11: 543
- MR imaging of complications of aortic surgery, Auffermann W; Olofsson P; Stoney R; et al, *JCAT* 1987; 11: 982
- MR imaging of congenital anomalies of the aortic arch, Kersting-Sommerhoff BA; Sechtem UP; Fisher MR; et al, *AJR* 1987; 149: 9
- MR imaging of double aortic arch, Coscina WF; Kressel HY; Gefter WB; et al, *JCAT* 1986; 10: 673
- MR imaging of the aorta after surgery for aortic dissection, White RD; Ulliyot DJ; Higgins CB, *AJR* 1988; 150: 87
- MR imaging of the aortic root and proximal coronary arteries, Paulin S; von Schulthess GK; Fossel E; et al, *AJR* 1987; 148: 665
- MR imaging of the thoracic aorta in Marfan patients, Kersting-Sommerhoff BA; Sechtem UP; Schiller NB; et al, *JCAT* 1987; 11: 633

Aorta, MR studies

- MRI of congenital abnormalities of the great arteries, Fletcher BD; Jacobstein MD, *AJR* 1986; 146: 941
- MRI of dissection of the aorta: recognition of the intimal tear and differential flow velocities, Dinsmore RE; Wedeen VJ; Miller SW; et al, *AJR* 1986; 146: 1286
- nuclear magnetic resonance imaging in the assessment of unusual abdominal aortic aneurysms, (ab), Barter SG; Hicks IP; Hartnell GG; et al, *Radiology* 1986; 158: 286
- pseudocoarctation of the aorta, LePage JR; Szechenyi E; Ross-Duggan JW, *Magn Res Imag* 1988; 6: 65
- segmental absence of the aortic wall: magnetic resonance imaging sign of aneurysm, Lupetin AR; Dash N; Beckman I; et al, *CT* 1987; 11: 279
- vascular rings: MR imaging, Bisset GS III; Strife JL; Kirks DR; et al, *AJR* 1987; 149: 251
- Aorta, neoplasms**
- malignant myxoid emboli in a patient with a primary tumor of the aorta, Wenker JC; Becker GJ; Reilly MK; et al, *Invest Radiol* 1986; 21: 928
- primary intraaortic malignancy—case report, Moers P; Perlmutter LM; Moore J; et al, *Cardiovasc Intervent Radiol* 1986; 9: 182
- Aorta, occlusion**
- See Aorta, stenosis or obstruction
- Aorta, prostheses**
- See Aorta, grafts and prostheses
- Aorta, radionuclide studies**
- abnormalities of the ascending aorta detected by gated blood pool imaging, Sussman MH; Horowitz SF; Navarro JL; et al, *Clin Nucl Med* 1986; 11: 198
- gallium-67 and magnetic resonance imaging in aortic root abscess, Miller SW; Palmer EL; Dinsmore RE; et al, *J Nucl Med* 1987; 28: 1616
- gallium localization in dissecting aortic aneurysm, Haden HT; Lippman HR, *Clin Nucl Med* 1988; 13: 569
- huge abdominal aortic aneurysm demonstrated by technetium-99m labeled RBC blood pool imaging, Shih W-J; Magoun S; Domstad PA, *Clin Nucl Med* 1987; 12: 825
- Takayasu's arteritis of the aortic arch: endovascular treatment and correlation with positron emission tomography, Theron J; Tyler JL, *AJNR* 1987; 8: 621
- Aorta, regurgitation**
- evaluation of regurgitant fraction of the left ventricle by gated cardiac blood-pool scanning using SPECT, Ohtake T; Nishikawa J; Machida K; et al, *J Nucl Med* 1987; 28: 19
- high incidence of aortic regurgitation following Kawasaki disease, (ab), Nakano H; Nojima K; Saito A; et al, *Radiology* 1986; 158: 283
- videodensitometric quantitation of aortic regurgitation by digital subtraction angiography using a computer-based method analyzing time-density curves, (ab), Klein LW; Agarwal JB; Stets G; et al, *Radiology* 1987; 163: 589
- Aorta, rupture**
- aortic rupture: complication of transluminal angioplasty, Berger T; Sorensen R; Konrad J, *AJR* 1986; 146: 373
- imaging diagnosis of traumatic aortic rupture: review and experience at a major trauma center, Mirvis SE; Bidwell JK; Buddemeyer EU; et al, *Invest Radiol* 1987; 22: 187
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Panicek DM; Ewing DK; Markarian B; Heitzman ER, *Radiology* 1987; 162: 165
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply, Panicek DM; Heitzman ER; Ewing DK; Markarian B, *Radiology* 1987; 164: 286
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply, Panicek DM; Heitzman ER; Ewing DK; Markarian B, *Radiology* 1987; 164: 286
- intrarenal rupture of the abdominal aorta: CT features, Gavanti ML; Salazar JE; Ellis JV, *JCAT* 1986; 10: 516
- rupture of an aortic dissection into the pericardium, Patel YD, *Cardiovasc Intervent Radiol* 1986; 9: 222
- serial aortography assesses stability of "atypical" aortic arch ruptures, Fleckenstein JL; Schultz SM; Miller RH, *Cardiovasc Intervent Radiol* 1987; 10: 194
- suspected leaking abdominal aortic aneurysm: use of sonography in the emergency room, Shuman WP; Hastrup W Jr; Kohler TR; Nyberg DA; Wang KY; Vincent LM; Mack LA, *Radiology* 1988; 168: 117
- thoracic aortic rupture: advantages of intraarterial digital subtraction angiography, Mirvis SE; Pais SO; Gens DR, *AJR* 1986; 146: 987
- traumatic aortic rupture: false-positive aortographic diagnosis due to atypical ductus diverticulum, Morse SS; Clickman MG; Greenwood LH; et al, *AJR* 1988; 150: 793
- value of chest radiography in excluding traumatic aortic rupture, Mirvis SE; Bidwell JK; Buddemeyer EU; Diaconis JN; Pais SO; Whitley JE; Goldstein LD, *Radiology* 1987; 163: 487
- Aorta, stenosis or obstruction**
- association of unexplained gastrointestinal bleeding with calcific aortic stenosis, (ab), King RM; Pluth JR; Giuliani ER, *Radiology* 1988; 167: 882
- cerebral complications following balloon angioplasty of coarctation of the aorta, Benson LN; Freedom RM; Wilson GJ; et al, *Cardiovasc Intervent Radiol* 1986; 9: 184
- coarctation of the aorta in children undergoing angioplasty: pretreatment and posttreatment MR imaging, Bank ER; Aisen AM; Rocchini AP; Hernandez RJ, *Radiology* 1987; 162: 235
- coarctation of the aorta: MR imaging, von Schulthess GK; Higashino SM; Higgins SS; Didier D; Fisher MK; Higgins CB, *Radiology* 1986; 158: 469
- comparison of outcome of asymptomatic to symptomatic patients older than 20 years of age with valvular aortic stenosis, (ab), Kelly TA; Rothbart RM; Cooper CM; et al, *Radiology* 1988; 169: 292
- congenital abnormalities of the aortic arch: MR imaging, Gomes AS; Lois JF; George B; Aplan G; Williams RG, *Radiology* 1987; 165: 691
- Doppler assessment of aortic stenosis: Bernoulli revisited, Ripsterborgh H; Roelandt J, *Ultrasound Med Biol* 1987; 13: 241
- Doppler ultrasound in aortic stenosis: in vitro studies of pressure gradient determination, Holen J; Waag RC; Gramiak R, *Ultrasound Med Biol* 1987; 13: 321
- dual balloon technique for valvuloplasty of aortic stenosis in adults, (ab), Isner JM; Salem DN; Desnoyers MR; et al, *Radiology* 1988; 168: 886
- hemodynamic effects of high versus low-osmolar contrast media for ventriculography in severe aortic stenosis, Lambert CR; Pepine CJ, *Cardiovasc Intervent Radiol* 1988; 11: 10
- intrathoracic interventional vascular techniques in congenital cardiovascular disease, Kaufman SL, *J Thorac Imag* 1987; 2: 1
- mediastinal collateral arteries: important vessels in coarctation of the aorta, Kirks DR; Currarino G; Chen JTT, *AJR* 1986; 146: 757
- mediastinal vessels: postoperative evaluation with MR imaging, Katz ME; Glazer HS; Siegel MJ; Gutierrez F; Levitt RG; Lee JKT, *Radiology* 1986; 161: 647
- midaortic syndrome: diagnosis and treatment, Lewis VD III; Meranze SG; McLean GK; O'Neill JA Jr; Berkowitz HD; Burke DR, *Radiology* 1988; 167: 111
- postoperative evaluation of complex congenital heart disease by magnetic resonance imaging, Soulen RL; Donner RM; Capitanio M, *Radiographics* 1987; 7: 975
- resolution of Heyde's syndrome of aortic stenosis and gastrointestinal bleeding after aortic valve replacement, (ab), Scheffer SM; Leatherman LL, *Radiology* 1987; 163: 589
- role of computed tomography in nonobstructive coarctation, Vaid Y; Shin MS; Soto B, *CT* 1987; 11: 95
- Takayasu arteritis: radiographic and angiographic findings in 59 patients, Yamato M; Lecky JW; Hiramatsu K; Kohda E, *Radiology* 1986; 161: 329
- usefulness of noninvasive assessment of aortic stenosis before and after percutaneous aortic valvuloplasty, (ab), Come PC; Riley MF; Safian RD; et al, *Radiology* 1988; 169: 884
- valvular aortic stenosis: a clinical and hemodynamic profile of patients, (ab), Lombard JT; Selzer A, *Radiology* 1987; 164: 885
- Aorta, surgery**
- lymphatic disruption following abdominal aortic surgery, Jensen SR; Voegeli DR; McDermott JC; et al, *Cardiovasc Intervent Radiol* 1986; 9: 199
- MR imaging of complications of aortic surgery, Auffermann W; Olofsson P; Stoney R; et al, *JCAT* 1987; 11: 982
- Aorta, thrombosis**
- aortic thrombosis diagnosed by ultrasound, Rudas G; Bors S, *Pediatr Radiol* 1988; 18: 77
- arterial occlusions in neonates: use of fibrinolytic therapy, Strife JL; Ball WS Jr; Towbin RB; Keller MS; Dillon T, *Radiology* 1988; 166: 395
- cardiovascular disease: evaluation with MR phase imaging, Rumanick WM; Naidich DP; Chandra R; Kowalski HM; McCauley DI; Megibow AJ; Hernanz-Schulman M; Genieser NB, *Radiology* 1988; 166: 63
- neonatal aortic thrombosis: recent experience, (ab), Vailas GN; Brouillette RT; Scott JP; et al, *Radiology* 1987; 164: 295
- noninvasive evaluation of neonatal aortic thrombosis secondary to umbilical artery catheterization, Fellmeth BD; Sandler MP; Thieme GA; et al, *AJR* 1988; 146: 619
- Aorta, transluminal angioplasty**
- acute and long-term effects of massive balloon dilation on the aortic wall and vasa vasorum, Zollhofer CL; Redha FH; Bruhlmann WF; Uhlischmid GK; Vlodaver Z; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 164: 145
- aortic rupture: complication of transluminal angioplasty, Berger T; Sorensen R; Konrad J, *AJR* 1986; 146: 373
- cerebral complications following balloon angioplasty of coarctation of the aorta, Benson LN; Freedom RM; Wilson GJ; et al, *Cardiovasc Intervent Radiol* 1986; 9: 184
- changes in coronary blood flow and myocardial metabolism during aortic balloon valvuloplasty, (ab), Rousseau MF; Wynn W; Hammer F; et al, *Radiology* 1988; 169: 884
- midaortic syndrome: diagnosis and treatment, Lewis VD III; Meranze SG; McLean GK; O'Neill JA Jr; Berkowitz HD; Burke DR, *Radiology* 1988; 167: 111
- percutaneous transluminal angioplasty of the distal abdominal aorta and its bifurcation, Morag B; Rubinstein Z; Kessler A; et al, *Cardiovasc Intervent Radiol* 1987; 10: 129
- percutaneous transluminal angioplasty of the lower abdominal aorta, Charlebois N; Saint-Georges G; Hudon G, *AJR* 1986; 146: 369
- usefulness of noninvasive assessment of aortic stenosis before and after percutaneous aortic valvuloplasty, (ab), Come PC; Riley MF; Safian RD; et al, *Radiology* 1988; 169: 884
- Aorta, US studies**
- anuria: an unusual presentation of aortic dissection (diagnosed by ultrasound), Aldridge SM; Birchall IJW, *Br J Radiol* 1987; 60: 195
- aortic thrombosis diagnosed by ultrasound, Rudas G; Bors S, *Pediatr Radiol* 1988; 18: 77
- complementary role of magnetic resonance imaging, Doppler echocardiography, and computed tomography in the diagnosis of dissecting thoracic aneurysms, (ab), Goldman AP; Kotler MN; Scanlon MH; et al, *Radiology* 1987; 162: 886
- congenital abnormalities of the aortic arch: MR imaging, Gomes AS; Lois JF; George B; Aplan G; Williams RG, *Radiology* 1987; 165: 691
- direct visualization of aorto-coronary bypass grafts by two-dimensional echocardiography: a new clinical application, Sheiban I; Trevi G; Casarotto D; et al, *Cardiovasc Intervent Radiol* 1988; 11: 14

- direct visualization of laminar blood flow in abdominal aorta using real-time ultrasound. Paivansalo MJ; Siniluoto TMJ. *JCU* 1986; 14: 135
- Doppler assessment of aortic stenosis: Bernoulli revisited. Rijnsterborgh H; Roelandt J. *Ultrasound Med Biol* 1987; 13: 241
- Doppler ultrasound in aortic stenosis: in vitro studies of pressure gradient determination. Holen J; Waag RC; Gramiak R. *Ultrasound Med Biol* 1987; 13: 321
- evaluation of frequency dependence of backscatter coefficient in normal and atherosclerotic aortic walls. Landini L; Sarnelli R; Picano E; et al. *Ultrasound Med Biol* 1986; 12: 397
- inflammatory aortic aneurysm (periaortic fibrosis): radiologic imaging. Cullenward MJ; Scanlan KA; Pozniak MA; Acher CA. *Radiology* 1986; 159: 75
- noninvasive diagnosis of pseudoaneurysm of the ascending aorta. Hoadley SD; Hartshorne MF. *JCU* 1987; 15: 325
- sonographic examination of the abdominal aorta through the left flank: prospective study. Steiner E; Rubens D; Weiss SL; et al. *J Ultrasound Med* 1986; 5: 499
- suspected leaking abdominal aortic aneurysm: use of sonography in the emergency room. Shuman WP; Hastrup W Jr; Kohler TR; Nyberg DA; Wang KY; Vincent LM; Mack LA. *Radiology* 1988; 168: 117
- value of oblique scans in the ultrasonic examination of the abdominal aorta. Creagh-Barry M; Adam EJ; Joseph AEA. *Clin Radiol* 1986; 37: 239
- Aortic valve**
- cinelfluoroscopic evaluation of periprosthetic cardiac valve regurgitation. Green CE; Glass-Royal M; Bream PR; et al. *AJR* 1988; 151: 455
- comparison of outcome of asymptomatic to symptomatic patients older than 20 years of age with valvular aortic stenosis. (ab). Kelly TA; Rothbart RM; Cooper CM; et al. *Radiology* 1988; 169: 292
- dual balloon technique for valvuloplasty of aortic stenosis in adults. (ab). Isner JM; Salem DN; Desnoyers MR; et al. *Radiology* 1988; 168: 886
- Aortic valve, calcification**
- mechanical calcification of the aortic valve. (ab). King RM; Pluth JR; Giuliani ER; et al. *Radiology* 1987; 163: 589
- Aortic valve, CT**
- demonstration of mitral and aortic valves by ultrafast computed tomography. Rees MR; Macmillan RM; Fender B; et al. *CT* 1987; 11: 190
- Aortic valve, diseases**
- detailed analysis of aortic valve endocarditis: comparison of precordial, esophageal and epicardial two-dimensional echocardiography with surgical findings. Gussenhoven EJ; van Herwerden LA; Roelandt J; et al. *JCU* 1986; 14: 209
- Aortitis**
- inflammatory aneurysm of aorta: development documented by computed tomography. Kittredge RD; Gordon RB. *CT* 1987; 11: 128
- Takayasu arteritis: radiographic and angiographic findings in 59 patients. Yamato M; Lecky JW; Hiramatsu K; Kohda E. *Radiology* 1986; 161: 329
- Aortography**
- aortic lacerations: fatal complications of thoracic aortography. LaBerge JM; Jeffrey RB Jr. *Radiology* 1987; 165: 367
- evaluation of ECG gating and hybrid subtraction for intraarterial digital subtraction thoracic aortography. Foley WD; Lipchik EO; Larson PA; et al. *AJR* 1987; 149: 1269
- false-positive aortography following blunt chest trauma: case report. Orron DE; Porter DH; Kim D; et al. *Cardiovasc Intervent Radiol* 1988; 11: 132
- intravenous digital subtraction aortography in the preoperative and postoperative evaluation of Marfan's aortic disease. (ab). Detrano R; Moodie DS; Gill CC; et al. *Radiology* 1986; 158: 573
- mid-aortic syndrome: diagnosis and treatment. Lewis VD III; Meranze SG; McLean GK; O'Neill JA Jr; Berkowitz HD; Burke DR. *Radiology* 1988; 167: 111
- serial aortography assesses stability of "atypical" aortic arch ruptures. Fleckenstein JL; Schultz SM; Miller RH. *Cardiovasc Intervent Radiol* 1987; 10: 194
- thoracic aortic rupture: advantages of intraarterial digital subtraction angiography. Mirvis SE; Pais SO; Gens DR. *AJR* 1986; 146: 987
- value of chest radiography in excluding traumatic aortic rupture. Mirvis SE; Bidwell JK; Buddemeyer EU; Diaconis JN; Pais SO; Whitley JE; Goldstein LD. *Radiology* 1987; 163: 487
- videodensitometric quantitation of aortic regurgitation by digital subtraction aortography using a computer-based method analyzing time-density curves. (ab). Klein LW; Agarwal JB; Stets G; et al. *Radiology* 1987; 163: 589
- visualization of the plantar arch by aortography: technique and value. Thomas ML; Tanqueray AB; Burnand KG. *Br J Radiol* 1988; 61: 469
- Aortography, contrast media**
- contrast media for angiography: effect on renal function. Cruz C; Hricak H; Samhoury F; Smith RF; Eyley WR; Levin NW. *Radiology* 1986; 158: 109
- optimal concentration of contrast medium for aortography and femoral arteriography: comparison of Hexabrix 320 and Hexabrix 250. Grainger RG. *Clin Radiol* 1986; 37: 281
- Aortography, technology**
- percutaneous high brachial aortography: safe alternative to the translumbar approach. Gaines PA; Reidy JF. *Clin Radiol* 1986; 37: 595
- translumbar catheter angiography with a needle-sheath system. Gmelin E; Rinast E. *Radiology* 1988; 166: 888
- Appendicitis**
- acute appendicitis: high-resolution real-time US findings. Jeffrey RB Jr; Laing FC; Lewis FR. *Radiology* 1987; 163: 11
- acute appendicitis presenting as acute left scrotal pain: diagnostic considerations. (ab). Wilkins SA Jr; Holder LE; Raiker RV; et al. *Radiology* 1986; 158: 568
- acute appendicitis: sonographic criteria based on 250 cases. Jeffrey RB Jr; Laing FC; Townsend RR. *Radiology* 1988; 167: 327
- acute appendicitis: US evaluation using graded compression. Puyalaert JBCM. *Radiology* 1986; 158: 355
- acute perforated appendicitis—an unusual variant simulating acute acalculous cholecystitis. Evans RH; Colbert RF. *JCU* 1988; 16: 513
- appendiceal abscess in pregnancy: diagnosis by ultrasound. Coady DJ; Snyder JR; Subramanyam B. *JCU* 1986; 14: 70
- appendiceal filling by double-contrast barium enema. Harding JA; Glick SN; Teplick SK; et al. *Gastrointest Radiol* 1986; 11: 105
- appendicitis as the initial manifestation of Crohn's disease: radiologic features and prognosis. Agha FP; Ghahremani GG; Panella JS; et al. *AJR* 1987; 149: 515
- appendicitis in children: accuracy of the barium enema. (ab). Garcia C; Rosenfield NS; Markowitz RJ; et al. *Radiology* 1988; 168: 296
- appendicitis with bladder involvement: CT appearance. Wojtasek DA; Teixidor HS; Kazam E. *Urol Radiol* 1988; 9: 237
- campylobacter ileocolitis mimicking acute appendicitis: differentiation with graded-compression US. Puyalaert JBCM; Lalisang RI; van der Werf SDJ; Doornbos L. *Radiology* 1988; 166: 737
- case report: interstitial emphysema of the stomach due to perforated appendicitis. Tuck JS; Boobis LH. *Clin Radiol* 1987; 38: 315
- "coffee bean" sign in periappendiceal and peridiverticular abscess. Machan L; Pon MS; Wood BJ; et al. *J Ultrasound Med* 1987; 6: 373
- coiled-spring sign of the cecum in acute appendicitis. Demos TC; Flisak ME. *AJR* 1986; 146: 45
- complicated case of appendicitis. Jones A. *Clin Radiol* 1986; 37: 407
- computed tomography of gangrenous appendicitis. Clarke PD. *JCAT* 1987; 11: 1081
- computed tomography of the abnormal appendix. Balthazar EJ; Megibow AJ; Gordon RB; et al. *JCAT* 1988; 12: 595
- Crohn disease of the ileocecal region: US visualization of the appendix. Puyalaert JBCM; van der Werf SDJ; Ulrich C; Veldhuizen RW. *Radiology* 1988; 166: 741
- CT abnormalities in right lower quadrant inflammatory disease: review of findings in 26 adults. Scatarige JC; Yousem DM; Fishman EK; et al. *Gastrointest Radiol* 1987; 12: 156
- CT of appendicitis. Balthazar EJ; Megibow AJ; Hulnick DH; et al. *AJR* 1986; 147: 705
- epiploic appendicitis: CT characteristics. Danielson K; Chernin MM; Amberg JR; et al. *JCAT* 1986; 10: 142
- high-resolution sonography of acute appendicitis. Abu-Yousef MM; Bleicher JJ; Maher JW; et al. *AJR* 1987; 149: 53
- indium-111 leukocyte imaging in appendicitis. Navarro DA; Weber PM; Kang IV; et al. *AJR* 1987; 148: 733
- management of perforated appendicitis in children—revisited. (ab). Samelson SL; Reyes HM. *Radiology* 1988; 166: 296
- nonsurgical drainage of appendiceal abscesses. Nunez D Jr; Huber JS; Yrizarry JM; et al. *AJR* 1986; 146: 587
- periappendiceal abscesses: percutaneous drainage. vanSonnenberg E; Wittich GR; Casola G; Neff CC; Hoyt DB; Polansky AD; Keightley A. *Radiology* 1987; 163: 23
- portal thrombosis complicating appendicitis: ultrasound detection and hepatic computed tomography lobar attenuation alteration. Chan SCH; Chan F-L; Chau EMT; et al. *CT* 1988; 12: 208
- radiation appendicitis: demonstration with graded compression US. Puyalaert JBCM; Hoekstra F; de Vries BC; Rutgers PH; Lalisang RI; Ooms ECM. *Radiology* 1987; 164: 342
- sonography of ruptured appendicitis. Blane CE; White SJ; Wesley JR; et al. *Gastrointest Radiol* 1986; 11: 357
- ultrasonic diagnosis of acute appendicitis complicated by paralytic ileus and generalized peritonitis. Takada T; Yasuda H; Uchiyama K; et al. *JCU* 1988; 16: 123
- ultrasonic visualization of the inflamed appendix. Karstrup S; Topp-Pedersen S; Roikjaer O. *Br J Radiol* 1986; 59: 985
- use of computed tomography in appendicitis: technique, findings, and pitfalls. Raval B; Allan N; St. Ville E. *CT* 1987; 11: 17
- Appendix**
- appendiceal filling by double-contrast barium enema. Harding JA; Glick SN; Teplick SK; et al. *Gastrointest Radiol* 1986; 11: 105
- Crohn's disease isolated to the appendix: truths and fallacies. (ab). Ariel I; Vinograd I; Hershtag A; et al. *Radiology* 1987; 163: 289
- radiographic features of appendiceal colic in children. Schisgall RM. *Pediatr Radiol* 1986; 16: 392
- Appendix, abscess**
- "coffee bean" sign in periappendiceal and peridiverticular abscess. Machan L; Pon MS; Wood BJ; et al. *J Ultrasound Med* 1987; 6: 373
- CT in the management of periappendiceal abscess. Barakos JA; Jeffrey RB Jr; Federle MP; et al. *AJR* 1986; 146: 1161
- massive hemorrhage into a periappendiceal abscess: case report. Gould RJ; Crampton AR; Schwartz D; et al. *Cardiovasc Intervent Radiol* 1986; 9: 25
- nonsurgical drainage of appendiceal abscesses. Nunez D Jr; Huber JS; Yrizarry JM; et al. *AJR* 1986; 146: 587
- periappendiceal abscesses: percutaneous drainage. vanSonnenberg E; Wittich GR; Casola G; Neff CC; Hoyt DB; Polansky AD; Keightley A. *Radiology* 1987; 163: 23
- periappendiceal inflammatory masses: CT-directed management and clinical outcome in 70 patients. Jeffrey RB Jr; Federle MP; Tolentino CS. *Radiology* 1988; 167: 13
- Appendix, CT**
- computed tomography of gangrenous appendicitis. Clarke PD. *JCAT* 1987; 11: 1081
- computed tomography of the abnormal appendix. Balthazar EJ; Megibow AJ; Gordon RB; et al. *JCAT* 1988; 12: 595

Appendix, CT

CT of appendicitis, Balthazar EJ; Megibow AJ; Hulnick DH; et al. *AJR* 1986; 147: 705
 use of computed tomography in appendicitis: technique, findings, and pitfalls, Raval B; Allan N; St. Ville E, *CT* 1987; 11: 17

Appendix, diverticula

diverticulosis of the vermiform appendix, Buffo GC; Clair MR; Bonheim P, *Gastrointest Radiol* 1986; 11: 108

Appendix, inflammation

See Appendicitis

Appendix, intussusception

sonography of appendiceal intussusception, Maglinte DDT; Fleischer AC; Chua GT; et al. *Gastrointest Radiol* 1987; 12: 163

Appendix, neoplasms

computed tomography of the abnormal appendix, Balthazar EJ; Megibow AJ; Gordon RB; et al. *JCAT* 1988; 12: 595
 peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman M; Schlom J; Larson SM, *Radiology* 1988; 167: 35

Appendix, obstruction

natural history of the obstructed rabbit appendix: observations with radiography, sonography, and CT, Dachman AH; Nichols JB; Patrick DH; et al. *AJR* 1987; 148: 281

Appendix, radionuclide studies

indium-111 leukocyte imaging in appendicitis, Navarro DA; Weber PM; Kang IY; et al. *AJR* 1987; 148: 733
 peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman M; Schlom J; Larson SM, *Radiology* 1988; 167: 35

Appendix, US studies

acute appendicitis: high-resolution real-time US findings, Jeffrey RB Jr; Laing FC; Lewis FR, *Radiology* 1987; 163: 11
 acute appendicitis: sonographic criteria based on 250 cases, Jeffrey RB Jr; Laing FC; Townsend RR, *Radiology* 1988; 167: 327
 acute appendicitis: US evaluation using graded compression, Puyllaert JBCM, *Radiology* 1986; 158: 355
 acute perforated appendicitis—an unusual variant simulating acute acalculous cholecystitis, Evans RH; Colbert RF, *JCU* 1988; 16: 513
 Crohn disease of the ileocecal region: US visualization of the appendix, Puyllaert JBCM; van der Werf SD; Ulrich C; Veldhuizen RW, *Radiology* 1988; 166: 741
 graded compression ultrasound in acute disease of the right lower quadrant, Puyllaert JBCM, *Semin US CT MR* 1987; 8: 385
 high-resolution sonography of acute appendicitis, Abu-Yousef MM; Bleicher JJ; Maher JW; et al. *AJR* 1987; 149: 53
 mesenteric adenitis and acute terminal ileitis: US evaluation using graded compression, Puyllaert JBCM, *Radiology* 1986; 161: 691
 radiation appendicitis: demonstration with graded compression US, Puyllaert JBCM; Hoekstra F; de Vries BC; Rutgers PH; Lalissang RL; Ooms ECM, *Radiology* 1987; 164: 342
 sonography of appendiceal intussusception, Maglinte DDT; Fleischer AC; Chua GT; et al. *Gastrointest Radiol* 1987; 12: 163
 sonography of ruptured appendicitis, Blane CE; White SJ; Wesley JR; et al. *Gastrointest Radiol* 1986; 11: 357
 ultrasonic diagnosis of acute appendicitis complicated by paralytic ileus and generalized peritonitis, Takada T; Yasuda H; Uchiyama K; et al. *JCU* 1988; 16: 123
 ultrasonic visualization of the inflamed appendix, Karstrup S; Torp-Pedersen S; Roikjaer O, *Br J Radiol* 1986; 59: 985
 unusual presentation of a mucocoele of the appendix, Schwimer SR; Joseph BJ; Lebovic J, *J Ultrasound Med* 1987; 6: 85

Arachnoid

See also Meninges

sacral arachnoid diverticula, Sampson MA; Bull MJ; Nakiely RA, *Clin Radiol* 1988; 39: 394

Arachnoid, CT

arachnoid cysts: computed tomography findings, Kolawole TM; Patel PJ; Mahdi AH, *CT* 1987; 11: 156
 convexity intracerebral arachnoid cyst: CT entity to be differentiated from a cystic glioma, Kurakawa Y; Niwa J; Akagawa S, *Comput Radiol* 1986; 4: 259
 isodense middle fossa arachnoid cyst and subdural hematoma: a diagnostic problem on CT, Lund E; Buhl M; Miletic T; et al. *J Neuroradiol* 1987; 14: 89
 suprasellar arachnoid cysts: 1. CT recognition, Gentry LR; Smoker WRK; Turski PA; et al. *AJNR* 1986; 7: 79

Arachnoid, cysts

arachnoid cyst of the quadrigeminal plate cistern: report of two cases, Choi SK; Starshak KJ; Meyer GA; et al. *AJNR* 1986; 7: 725
 arachnoid cyst of the velum interpositum, Spiegel SM; Nixon B; Terbrugge K; et al. *AJNR* 1988; 9: 981
 arachnoid cysts: computed tomography findings, Kolawole TM; Patel PJ; Mahdi AH, *CT* 1987; 11: 156
 convexity intracerebral arachnoid cyst: CT entity to be differentiated from a cystic glioma, Kurakawa Y; Niwa J; Akagawa S, *Comput Radiol* 1986; 4: 259
 early sequelae of gunshot wounds to the spine: radiologic diagnosis, Gellad FE; Paul KS; Geisler FH, *Radiology* 1988; 167: 523
 hyperprolactinemia: unusual manifestation of suprasellar cystic lesions, Woodruff WW Jr; Heinz ER; Djang WT; et al. *AJNR* 1987; 8: 113
 idiopathic spinal arachnoid cyst and syringomyelia, Clifton AG; Ginsberg L; Webb WJS; et al. *Br J Radiol* 1987; 60: 1023
 intraventricular arachnoid cyst: report of two cases, (ab), Nakase H; Hisanaga M; Hashimoto S; et al. *Radiology* 1988; 169: 887
 in utero ultrasonic detection of fetal arachnoid cyst, Meizner I; Barki Y; Tadmor R; et al. *JCU* 1988; 16: 506
 isodense middle fossa arachnoid cyst and subdural hematoma: a diagnostic problem on CT, Lund E; Buhl M; Miletic T; et al. *J Neuroradiol* 1987; 14: 89
 magnetic resonance imaging of arachnoid cysts destroying the sacrum, Sundaram M; Awwad EE, *AJR* 1986; 146: 359
 MR imaging of intracranial arachnoid cysts, Wiener SN; Pearlstein AE; Eiber A, *JCAT* 1987; 11: 236
 MR imaging of thoracic extradural arachnoid cysts, Gray L; Djang WT; Friedman AH, *JCAT* 1988; 12: 646
 MRI of pulsatile CSF motion within arachnoid cysts, Brooks ML; Jolesz FA; Patz S, *Magn Res Imag* 1988; 6: 575
 prenatal sonographic diagnosis of suprasellar arachnoid cyst, Diakomakis EE; Weinberg B; Mollin J, *J Ultrasound Med* 1986; 5: 529
 ruptured middle cerebral aneurysm with accumulation of subarachnoid blood within convexity arachnoid cyst, Jinkins JR; Siqueira EB; Holoubi A, *Comput Radiol* 1987; 11: 185
 suprasellar arachnoid cysts: 1. CT recognition, Gentry LR; Smoker WRK; Turski PA; et al. *AJNR* 1986; 7: 79
 suprasellar arachnoid cysts: 2. evaluation of CSF dynamics, Gentry LR; Menezes AH; Turski PA; et al. *AJNR* 1986; 7: 87
 updated assessment and current classification of spinal meningeal cysts, (ab), Nabors MW; Pait TG; Byrd EB; et al. *Radiology* 1988; 169: 887

Arachnoid, hemorrhage

acute subarachnoid hemorrhage: in vitro comparison of magnetic resonance and computed tomography, Chakeres DW; Bryan RN, *AJNR* 1986; 7: 223
 delayed spinal subarachnoid hematoma: rare complication of C1-C2 cervical myelography, Abia AA; Rothfus WE; Maroon JC; et al. *AJNR* 1986; 7: 526

Arachnoid, inflammation

See Arachnoiditis

Arachnoid, MR studies

MR imaging of intracranial arachnoid cysts, Wiener SN; Pearlstein AE; Eiber A, *JCAT* 1987; 11: 236
 MR imaging of lumbar arachnoiditis, Ross JS; Masaryk TJ; Modic MT; et al. *AJNR* 1987; 8: 885
 MR imaging of thoracic extradural arachnoid cysts, Gray L; Djang WT; Friedman AH, *JCAT* 1988; 12: 646
 MRI of pulsatile CSF motion within arachnoid cysts, Brooks ML; Jolesz FA; Patz S, *Magn Res Imag* 1988; 6: 575

Arachnoiditis

brain beta-endorphin and spinal-cord enkephalin concentrations in experimental arachnoiditis, Lipman BT; Haughton VM, *Invest Radiol* 1987; 22: 197
 diminished cerebrospinal fluid beta-endorphin concentration in monkeys with arachnoiditis, Lipman BT; Haughton VM, *Invest Radiol* 1988; 23: 190
 effect of arachnoiditis on pain threshold, Beyer GA; Lipman BT; Haughton VM; et al. *Invest Radiol* 1987; 22: 781
 MR imaging of lumbar arachnoiditis, Ross JS; Masaryk TJ; Modic MT; et al. *AJNR* 1987; 8: 885

Armed Forces Institute of Pathology

second Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Hartman DS, *Radiology* 1986; 160: 277
 third Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, *Radiology* 1988; 166: 576

Arteries

See also Aneurysm; Angiography; Arteriovenous malformations; Cerebral blood vessels; Coronary vessels; Embolism; Thrombosis; under names of specific blood vessels, such as Aorta

Arteries, abnormalities

aberrant right subclavian artery: further observations, Proto AV; Cuthbert NW; Raider L, *AJR* 1987; 148: 253
 anomalous origin of the posterior meningeal artery from the lateral medullary segment of the posterior inferior cerebellar artery, Tanohata K; Maehara T; Noda M; et al. *Neuroradiol* 1987; 29: 89
 arterial tortuosity and dilatation in Larsen syndrome, Rasooly R; Gomori JM; Ben Ezra D, *Neuroradiol* 1988; 30: 258
 arterial wall stiffness in insulin-dependent diabetes mellitus: an in vivo study, Christensen T; Neubauer B, *Acta Radiol* 1987; 28: 207
 case of persistent hypoglossal intersegmental artery: angiographic and CT study, Goulao A; Mauricio JC, *Neuroradiol* 1987; 29: 102
 inferior thyroid artery arising from common carotid artery with aberrant right subclavian artery, Simmons JT; Doppman JL; Norton J, *Cardiovasc Intervent Radiol* 1987; 10: 150
 middle mesenteric artery, Lawdahl RB; Keller FS, *Radiology* 1987; 165: 371
 MR of basilar artery dolichoectasia, Naseem M; Leehy P; Russell E; et al. *AJNR* 1988; 9: 391
 persistence of both proatlantal arteries with absence of vertebral arteries, Lui CC; Liu YH; Wai YY; et al. *Neuroradiol* 1987; 29: 304
 persistent sciatic artery: report of three cases and literature review, Freeman MP; Tisnado J; Cho S-R, *Br J Radiol* 1986; 59: 217
 popliteal artery and its branches: embryologic basis of normal and variant anatomy, Mauro MA; Jaques PF; Moore M, *AJR* 1988; 150: 435
 right subclavian steal associated with aberrant right subclavian artery, Rowe DM; Becker GJ; Scott JA; et al. *AJNR* 1988; 9: 604
 systemic-to-pulmonary collateral vessels and shunts: treatment with embolization, Lois JF; Gomes AS; Smith DC; Laks H, *Radiology* 1988; 169: 671
 vascular rings: MR imaging, Bisset GS III; Strife JL; Kirks DR; et al. *AJR* 1987; 149: 251

Arteries, basilar

- arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings, de Lange EE; Vielvoje GJ; Voormolen JHC, *Radiology* 1986; 158: 721
- basilar artery fenestration with an associated aneurysm: case report, Fabrikant H, *Australas Radiol* 1988; 32: 127
- detection of basilar artery thrombosis by computed tomography, Hankey GJ; Khangure MS; Stewart-Wynne EG, *Clin Radiol* 1988; 39: 140
- high-resolution computed tomography of the basilar artery: 1. normal size and position, Smoker WRK; Price MJ; Keyes WD; et al, *AJNR* 1986; 7: 55
- high-resolution computed tomography of the basilar artery: 2. vertebrobasilar dolichoectasia: clinical-pathologic correlation and review, Smoker WRK; Corbett JJ; Gentry LR; et al, *AJNR* 1986; 7: 61
- measurement of basilar artery diameter in dogs: CT evaluation correlated with arteriography, Ho PSP; Lee C-C; Wang J-Y; et al, *Neuroradiol* 1988; 30: 239
- MR of basilar artery dolichoectasia, Naseem M; Leehy P; Russell E; et al, *AJNR* 1988; 9: 391
- MR of CSF flow phenomenon mimicking basilar artery aneurysm, Burt TB, *AJNR* 1987; 8: 55
- reversible rostral basilar artery syndrome, (ab), Mehler MF, *Radiology* 1988; 168: 293
- "top of the basilar" syndrome: clinicoradiological evaluation, Sato M; Tanaka S; Kohama A, *Neuroradiol* 1987; 29: 354
- transluminal angioplasty of the vertebral and basilar artery, Higashida RT; Hieshima GB; Tsai FY; et al, *AJNR* 1987; 8: 745

Arteries, brachiocephalic

See Arteries, innominate

Arteries, bronchial

- bronchial arteries: CT demonstration with arteriographic correlation, Furuse M; Saito K; Kunieda E; Aihara T; Touei H; Ohara T; Fukushima K, *Radiology* 1987; 162: 393
- bronchial artery embolization: monitoring with somatosensory evoked potentials, work in progress, Schrodt JF; Becker GJ; Scott JA; Warren CH; Benenati SV, *Radiology* 1987; 164: 135
- bronchial blood flow measured by video dilution technique in sheep, Parsons GH; Link DP; Greenberg D; et al, *Invest Radiol* 1987; 22: 544
- control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery, Jardin M; Remy J, *Radiology* 1988; 168: 377
- long-term histopathologic follow-up of bronchial arteries after therapeutic embolization with polyvinyl alcohol (Ivalon) in patients with cystic fibrosis, (ab), Tomashefski JF Jr; Cohen AM; Doershus CF, *Radiology* 1988; 169: 287
- nonbronchial systemic collateral arteries: significance in percutaneous embolotherapy for hemoptysis, Keller FS; Rosch J; Loflin TG; Nath PH; McElvein RB, *Radiology* 1987; 164: 687
- surgery for pulmonary aspergilloma: preoperative embolization of the bronchial circulation, (ab), Hughes CF; Waugh R; Lindsay D, *Radiology* 1986; 161: 574
- systemic-to-pulmonary collateral vessels and shunts: treatment with embolization, Lois JF; Gomes AS; Smith DC; Laks H, *Radiology* 1988; 169: 671
- transcatheter embolization in the management of pulmonary hemorrhage, Rabkin JE; Astafiev VI; Gothman LN; Grigorjev YG, *Radiology* 1987; 163: 361
- transcatheter embolization in the management of pulmonary hemorrhage, Vujic I, *Radiology* 1987; 164: 879

Arteries, calcification

- factors which influence the occurrence of vascular calcification in the breast, Leinster SJ; Whitehouse GH, *Br J Radiol* 1987; 60: 457
- morphology, progression, and regression of arterial and periarterial calcifications in patients with end-stage renal disease, Meema HE; Oreopoulos DG, *Radiology* 1986; 158: 671

sonographic recognition of idiopathic arterial calcification of infancy, Rosenbaum DM; Blumhagen JD, *AJR* 1986; 146: 249

Arteries, carotid

See Carotid arteries

Arteries, celiac

- CT diagnosis of celiac artery aneurysm, Lubbers PR; Goff WB; Volpe RJ; et al, *JCAT* 1988; 12: 352
- detection of massive colonic haemorrhage by selective coeliac arteriography, Alpert M; Brody S, *Br J Radiol* 1987; 60: 190
- ruptured arterial aneurysms in the area of the celiac trunk, Battikha JG; Schneider PA; Garcia J; et al, *Eur J Radiol* 1987; 7: 94

Arteries, cerebellar

- arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings, de Lange EE; Vielvoje GJ; Voormolen JHC, *Radiology* 1986; 158: 721
- computed tomography of anterior inferior cerebellar artery aneurysm mimicking an acoustic neuroma, Dalley RW; Robertson WD; Nugent RA; et al, *JCAT* 1986; 10: 881

Arteries, choroidal

- CT of ischemic infarctions in the territory of the anterior choroidal artery: review of 28 cases, Sterbini GLP; Agatiello LM; Stocchi A; et al, *AJNR* 1987; 8: 229

Arteries, CT

- adventitial cystic disease of the popliteal artery, Jasinski RW; Masselink BA; Partridge RW; Deckinga BG; Bradford PF, *Radiology* 1987; 163: 153
- bronchial arteries: CT demonstration with arteriographic correlation, Furuse M; Saito K; Kunieda E; Aihara T; Touei H; Ohara T; Fukushima K, *Radiology* 1987; 162: 393
- computed tomography and magnetic resonance imaging of a superior gluteal artery pseudoaneurysm, Zirnisky K; Markisz JA; Auh YH; et al, *CT* 1988; 12: 75
- computed tomography and sonography of cystic adventitial disease, Fitzjohn TP; White FE; Loose HW; et al, *Br J Radiol* 1986; 59: 933
- computed tomography of aorticiliac atherosclerosis, (ab), Limpert JD; Vogelzang RL; Yao JST, *Radiology* 1988; 166: 293
- CT demonstration of aneurysm of a persistent sciatic artery, Wilms GE; Storme L; Vandaele L; et al, *JCAT* 1986; 10: 524
- CT of ischemic infarctions in the territory of the anterior choroidal artery: review of 28 cases, Sterbini GLP; Agatiello LM; Stocchi A; et al, *AJNR* 1987; 8: 229
- detection of basilar artery thrombosis by computed tomography, Hankey GJ; Khangure MS; Stewart-Wynne EG, *Clin Radiol* 1988; 39: 140
- detection of prosthetic vascular complications: comparison of CT and angiography, Vogelzang RL; Limpert JD; Yao JST, *AJR* 1987; 148: 819
- false aneurysm of the femoral artery: computed tomographic and ultrasound appearances, Fitzgerald EJ; Bowsher WG; Rutledge MST, *Clin Radiol* 1986; 37: 585
- fulminant systemic necrotizing arteritis: CT findings, Jaques PF; Parker LA; Mauro MA, *JCAT* 1988; 12: 104
- functional and anatomic evaluation of the cardiovascular system with rapid-acquisition computed tomography (cine CT), Steiner RM; Flicker S; Eldredge WJ; et al, *Radiol Clin North Am* 1986; 24: 503
- high-resolution computed tomography of the basilar artery: 1. normal size and position, Smoker WRK; Price MJ; Keyes WD; et al, *AJNR* 1986; 7: 55
- high-resolution computed tomography of the basilar artery: 2. vertebrobasilar dolichoectasia: clinical-pathologic correlation and review, Smoker WRK; Corbett JJ; Gentry LR; et al, *AJNR* 1986; 7: 61
- measurement of basilar artery diameter in dogs: CT evaluation correlated with arteriography, Ho PSP; Lee C-C; Wang J-Y; et al, *Neuroradiol* 1988; 30: 239
- normal aorticiliac diameters by CT, Horejs D; Gilbert PM; Burstein S; et al, *JCAT* 1988; 12: 602

right subclavian artery aneurysms—role of CT, Stark P; David C, *Comput Radiol* 1986; 4: 253

role of CT in excluding major arterial injury after blunt thoracic trauma, Mirvis SE; Kostrubiak I; Whitley NO; et al, *AJR* 1987; 149: 601

septicemia presenting with endoaneurysmal gas: CT demonstration, Kaufman JL; Fereshetian A; Chang B; et al, *AJR* 1988; 151: 287

Arteries, cystic

- adventitial cystic disease of the popliteal artery, Jasinski RW; Masselink BA; Partridge RW; Deckinga BG; Bradford PF, *Radiology* 1987; 163: 153
- adventitial cyst of the popliteal artery: CT-guided percutaneous aspiration, Wilbur AC; Spigos DG, *JCAT* 1986; 10: 161

Arteries, extremities

- acute peripheral arterial and graft occlusion: treatment with selective infusion of urokinase and lysyl plasminogen, Pernes JM; Vitoux JF; Breinot P; Raynaud A; Parola JL; Roth JP; Angel CY; Fiessinger JN; Roncato M; Gaux JC, *Radiology* 1986; 158: 481
- adventitial cystic disease of the popliteal artery, Jasinski RW; Masselink BA; Partridge RW; Deckinga BG; Bradford PF, *Radiology* 1987; 163: 153
- arterial blood-flow waveform measurement in intact animals: new digital radiographic technique, Swanson DK; Myerowitz PD; Hegge JO; Watson KM, *Radiology* 1986; 161: 323
- arterial occlusions in neonates: use of fibrinolytic therapy, Strife JL; Ball WS Jr; Towbin RB; Keller MS; Dillon T, *Radiology* 1988; 166: 395
- arterial occlusive disease below the knee: treatment with percutaneous transluminal angioplasty performed with low-profile catheters and steerable guide wires, Schwartz DE; Cutcliffe WB, *Radiology* 1988; 169: 71
- balloon embolectomy catheter used percutaneously, Zimmerman JJ; Cipriano PR; Hayden WG; Fogarty TJ, *Radiology* 1986; 158: 260
- balloon embolectomy catheter used percutaneously, McDermott JC; Crummy AB; Starck EE, *Radiology* 1986; 160: 279
- balloon embolectomy catheter used percutaneously: reply, Cipriano PR, *Radiology* 1986; 160: 279
- blue digit syndrome: treatment with percutaneous transluminal angioplasty, Kumpe DA; Zwerdlinger S; Griffin DJ, *Radiology* 1988; 166: 37
- blue toe syndrome: treatment with anticoagulants and delayed percutaneous transluminal angioplasty, Brewer ML; Kinnison ML; Perler BA; White RI Jr, *Radiology* 1988; 166: 31
- case report 374, Stein E, *Skeletal Radiol* 1986; 15: 391
- case report: hypothermic hammer syndrome with embolic occlusion of digital arteries, Savader SJ; Savader BL; Drewry GR, *Clin Radiol* 1988; 39: 324
- combination of short- and long-term catheter thrombolysis for peripheral arterial occlusion, Do-dai-Do; Mahler F; Triller J; et al, *Eur J Radiol* 1987; 7: 235
- comparison of the costs of vascular surgery and balloon dilatation in lower limb ischaemic disease, Jeans WD; Danton RM; Baird RN; et al, *Br J Radiol* 1986; 59: 453
- complications after percutaneous transluminal angioplasty of peripheral and renal arteries, Bergqvist D; Jonsson K; Weibull H, *Acta Radiol* 1987; 28: 3
- complications after percutaneous transluminal angioplasty in the iliac, femoral, and popliteal arteries, (ab), Weibull H; Bergqvist D; Jonsson K; et al, *Radiology* 1987; 165: 885
- complications of intraarterial urokinase-lys-plasminogen infusion therapy in arterial ischemia of lower limbs, Fiessinger J-N; Vitoux J-F; Pernes J-M; et al, *AJR* 1986; 146: 157
- complications of transluminal angioplasty, Gardiner GA Jr; Meyerowitz MF; Stokes KR; Clouse ME; Harrington DP; Bettmann MA, *Radiology* 1986; 159: 201

Arteries, extremities

- complications of transluminal angioplasty, McDermott JC; Crummy AB; Voegel DR; Starck EE, *Radiology* 1987; 162: 286
- complications of transluminal angioplasty: reply, Gardiner GA Jr; Meyerowitz MF; Harrington DP, *Radiology* 1987; 162: 287
- direct argon laser exposure for recanalization of peripheral arteries: early results, Nordstrom LA; Castaneda-Zuniga WR; Young EG; Von Seggern KB, *Radiology* 1988; 168: 359
- hypothetized hammer syndrome: seventeen cases with long-term follow-up, (ab), Vayssairt M; Debure C; Cormier J-M; et al, *Radiology* 1988; 166: 293
- improved vessel dilator for percutaneous catheterization, Smith TP; Vlodaver Z; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 271
- improvement after successful percutaneous transluminal dilation treatment of occlusive peripheral arterial disease, (ab), Morin JF; Johnston KW; Rae M, *Radiology* 1987; 163: 836
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications, Kinnison ML; Perler BA; Kaufman SL; Mitchell SE; Kadir S; Williams GM; White RI Jr, *Radiology* 1986; 160: 727
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications, LeMaitre GD, *Radiology* 1987; 163: 583
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications: reply, Kinnison ML; Perler BA, *Radiology* 1987; 163: 584
- intraluminal stents in atherosclerotic iliac artery stenosis: preliminary report of a multicenter study, Palmaz JC; Richter GM; Noeldge G; Schatz RA; Robison PD; Gardiner GA Jr; Becker GJ; McLean GK; Denny DF Jr; Lammer J; Paolini RM; Rees CR; Alvarado R; Heiss HW; Root HD; Rogers W, *Radiology* 1988; 168: 727
- local thrombolysis in femoropopliteal occlusion: early and late results, Wilms GE; Verhaeghe RH; Pouillon MM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 272
- long-segment femoropopliteal stenosis: is angioplasty a boon or a bust?, Murray RR Jr; Hewes RC; White RI Jr; Mitchell SE; Auster M; Chang R; Kadir S; Kinnison ML; Kaufman SL, *Radiology* 1987; 162: 473
- methysergide-induced lower extremity arterial insufficiency, Dorne HL; Satin R, *J Canad Assoc Radiol* 1986; 37: 210
- modified sheath introducer for reduced arterial damage, Butto F; Robinson JD; Vlodaver Z; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 824
- morphology, progression, and regression of arterial and periarterial calcifications in patients with end-stage renal disease, Meema HE; Oreopoulos DG, *Radiology* 1986; 158: 671
- MR gated subtraction angiography: evaluation of lower extremities, Meuli RA; Weden VJ; Geller SC; Edelman RR; Frank LR; Brady TJ; Rosen BR, *Radiology* 1986; 159: 411
- obliterative angiopathy of the digital arteries of the finger in the vibration syndrome, (ab), Leyhe A, *Radiology* 1986; 159: 822
- percutaneous brachial artery catheterization, Lipchik EO; Sugimoto H, *Radiology* 1986; 160: 842
- percutaneous laser thermal angioplasty: initial results and 1-year follow-up in 129 femoropopliteal lesions, Sanborn TA; Cumberland DC; Greenfield AJ; Welsh CL; Guben JK, *Radiology* 1988; 168: 121
- percutaneous recanalization of total iliac and femoro-popliteal artery occlusions, Graziani L, *Eur J Radiol* 1987; 7: 91
- percutaneous transluminal angioplasty below the knee: new techniques, excellent results, Casarella WJ, *Radiology* 1988; 169: 271
- percutaneous transluminal angioplasty of infrapopliteal vessels: preliminary results and technical considerations, Brown KT; Schoenberg NY; Moore ED; Saddekni S, *Radiology* 1988; 169: 75
- percutaneous transluminal laser angioplasty with contact probes, Lammer J; Karmel F, *Radiology* 1988; 168: 733
- peripheral arterial missile embolization: a case report and 22-year literature review, (ab), Shannon JJ Jr; Vo NM; Stanton PE Jr; et al, *Radiology* 1987; 165: 586
- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Mietasch A; Bruckl R, *Radiology* 1987; 163: 753
- peripheral vascular disease: prospective study of intraarterial digital subtraction angiography using a 9-inch intensifier, Garvey CJ; Wilkins RA; Lewis JD, *Radiology* 1986; 159: 423
- quadrilateral space syndrome: a rare cause of shoulder pain, Cormier FJ; Matalon TAS; Wolin P, *AJ Radiol* 1988; 167: 797
- role of arteriography in acute penetrating trauma to the extremities, Lipchik EO; Kaebnick HW; Beres JJ; et al, *Cardiovasc Intervent Radiol* 1987; 10: 202
- system for rapid analysis of the femoral blood velocity waveform at the bedside, Capper WL; Amoreo JN; Clifford PC; et al, *Ultrasound Med Biol* 1986; 12: 31
- thrombolysis in the treatment of peripheral arterial vascular occlusions, Koltun WA; Gardiner GA Jr; Harrington DP; et al, *Radiology* 1988; 166: 911
- trauma of the extremities: prospective comparison of digital and conventional angiography, Sibbitt RR; Palmaz JC; Garcia F; Reuter SR, *Radiology* 1986; 160: 179
- vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography, Gavanti ML; Gold RE; Fabian TC; Tonkin IL, *Radiology* 1986; 158: 755

Arteries, femoral

See also Arteries, extremities

- control of postoperative vaginal hemorrhage by embolization of the medial circumflex femoral artery, Odurny A; Colapinto RF, *AJR* 1987; 149: 319
- directional needle for antegrade guide wire placement with vertical arterial puncture, Hawkins JS; Coryell LW; Miles SG; Giovannetti MJ; Siragusa RJ; Hawkins IF Jr, *Radiology* 1988; 168: 271
- distinction between femoral artery pseudoaneurysms and other causes of groin masses: value of duplex Doppler sonography, Helvie MA; Rubin JM; Silver TM; et al, *AJR* 1988; 150: 1177
- Doppler ultrasound assessment of the femoropopliteal segment: comparison of different methods using ROC curve analysis, Baker AR; Prytherch DR; Evans DH; et al, *Ultrasound Med Biol* 1986; 12: 473
- false aneurysm of the femoral artery: computed tomographic and ultrasound appearances, Fitzgerald EJ; Bowsher WG; Rutley MST, *Clin Radiol* 1986; 37: 585
- femoral artery compression device for outpatient angiography, Colapinto RF; Harty PW, *Radiology* 1988; 166: 890
- femoral artery pseudoaneurysm: diagnosis with conventional duplex and color Doppler US, Mitchell DG; Needleman L; Bezzzi M; Goldberg BB; Kurtz AB; Pennell RG; Rifkin MD; Vilaro M; Baltarowich OH, *Radiology* 1987; 165: 687
- guided direct antegrade puncture of the superficial femoral artery, Berman HL; Katz SG; Tihansky DP, *AJR* 1986; 147: 632
- increased arterial wall stiffness and thickness in medium-sized arteries in patients with insulin-dependent diabetes mellitus, Christensen T; Neubauer B, *Acta Radiol* 1988; 29: 299
- laser and balloon angioplasty in chronic occlusion of femoral artery in a canine model, (ab), Jain AC; Dedhia HV; Savrin RA; et al, *Radiology* 1987; 162: 294
- laser thermal angioplasty for the treatment of obstruction of the distal superficial femoral or popliteal arteries, McCowan TC; Ferris EJ; Barnes RW; et al, *AJR* 1988; 150: 1169
- long-term results of superficial femoral artery angioplasty, Hewes RC; White RI Jr; Murray RR; et al, *AJR* 1986; 146: 1025
- measurement of volume flow in the human common femoral artery using a duplex ultrasound system, Lewis P; Pasila JV; Davies WT; et al, *Ultrasound Med Biol* 1986; 12: 777
- MR imaging of post-traumatic pseudoaneurysm of the deep femoral artery, Ludwig WD; Yuh WTC; Montgomery WJ, *JCAT* 1987; 11: 1093
- new puncture needle (Seldinger technique) for easy antegrade catheterization of the superficial femoral artery, Saltzman J; Probst P, *Eur J Radiol* 1987; 7: 54
- normal aortic diameters by CT, Horejs D; Gilbert PM; Burstein S; et al, *JCAT* 1988; 12: 602
- optimal concentration of contrast medium for aortography and femoral arteriography: comparison of Hexabrix 320 and Hexabrix 250, Grainger RG, *Clin Radiol* 1986; 37: 281
- peripheral pseudoaneurysms: evaluation with duplex US, Coughlin BF; Pausher DM, *Radiology* 1988; 168: 339
- prosthetic arterial graft occlusion: a complication of tourniquet use during arteriography, Zagoria RJ; D'Souza VJ; Sharling ES, *Radiology* 1988; 167: 121
- quantitation of atherosclerosis in femoral arteriography with ECG gated exposures, Nilsson S; Berglund I; Bylund H; et al, *Acta Radiol* 1988; 29: 311
- quantitative pulsed Doppler measurement of common femoral artery blood flow variables during postocclusive reactive hyperemia, Marquis C; Meister J-J; Mooser E; et al, *JCU* 1986; 14: 165
- recanalization of obstructed arteries with a flexible, rotating tip catheter, Kenney KR; Nash JE; Abrahams C; Zarins CK, *Radiology* 1987; 165: 387
- repeat femoral arteriography in hyperlipidemic patients: a study of progression and regression of atherosclerosis, Erikson U; Helmius G; Hemmingsson A; et al, *Acta Radiol* 1988; 29: 303
- road map application to the pulseless common femoral artery, McDermott JC; Starck EE; Crummy AB, *Cardiovasc Intervent Radiol* 1986; 9: 109
- scintigraphic detection of bleeding after transfemoral arteriography, using technetium-99m labeled RBCs, Gips S; Israel O, *Clin Nucl Med* 1986; 11: 669
- some failings of pulsatility index and damping factor, Baker AR; Evans DH; Prytherch DR; et al, *Ultrasound Med Biol* 1986; 12: 875
- "to-and-fro" sign: duplex Doppler evidence of femoral artery pseudoaneurysm, Abu-Yousef MM; Wiese JA; Shamma AR, *AJR* 1988; 150: 632
- transcatheter occlusion of a profunda femoral artery pseudoaneurysm using thrombin, Walker TG; Geller SC; Brewster DR, *AJR* 1987; 149: 185
- treatment of false aneurysm by using a detachable balloon, Sharma RP; Shetty PC; Burke TH; et al, *AJR* 1987; 149: 1279
- vascular injury and thromboembolism in a young woman, Saeed M; Cohen RH; German DC; et al, *Invest Radiol* 1987; 22: 62

Arteries, fibrodysplasia

- arterial fibromuscular dysplasia, (ab), Lüscher TF; Lie JT; Stanson AW; et al, *Radiology* 1988; 167: 589
- thoracodorsal artery aneurysm caused by fibromuscular dysplasia, Brantley SD; Spies JB, *AJR* 1987; 149: 1067

Arteries, flow dynamics

See Blood, flow dynamics

Arteries, gastric

- angiographic diagnosis of gastric volvulus with report of a complication following left gastric artery embolization, Robbins SM; Tuten TU; Clements JL; et al, *Gastrointest Radiol* 1988; 13: 112
- embolization of the left gastric artery in the absence of angiographic extravasation, Morris DC; Nichols DM; Connell DG; et al, *Cardiovasc Intervent Radiol* 1986; 9: 195

Arteries, gastroduodenal

- detection of an asymptomatic gastroduodenal artery aneurysm by real-time and pulsed Doppler sonography, Dufresne M-P; Dubuc G; Nicolet V; et al, *J Canad Assoc Radiol* 1986; 37: 40

Arteries, grafts and prostheses

- acute peripheral arterial and graft occlusion: treatment with selective infusion of urokinase and lysis plasminogen. Pernes JM; Vitoux JF; Brenoit P; Raynaud A; Parola JL; Roth JP; Angel CY; Fiesinger JN; Roncato M; Caux JC. *Radiology* 1986; 158: 481
- an 11-year experience with deep leg veins as femoropopliteal bypass grafts. (ab). Schulman ML; Badley MR; Yanco R; et al. *Radiology* 1987; 162: 887
- axillofemoral bypass: expectations and results. (ab). Savrin RA; Record GT; McDowell DE. *Radiology* 1987; 162: 887
- balloon-dilatable arterial banding prosthesis: experimental study. Vince DJ; Culham JAG; Taylor GP. *Radiology* 1987; 164: 141
- coronary artery bypass graft patency: noninvasive evaluation with MR imaging. White RD; Caputo GR; Mark AS; Modin GW; Higgins CB. *Radiology* 1987; 164: 681
- detection of coronary artery bypass graft patency as assessed by magnetic resonance imaging. Jenkins JPR; Love HG; Foster CJ; et al. *Br J Radiol* 1988; 61: 2
- detection of prosthetic vascular complications: comparison of CT and angiography. Vogelzang RL; Limpert JD; Yao JST. *AJR* 1987; 148: 819
- endovascular stenting of veins and grafts: preliminary clinical experience. Zollikofer CL; Largiadier I; Bruhlmann WF; Uhlischmid GK; Marty AH. *Radiology* 1988; 167: 707
- evaluation of coronary bypass graft patency by ultrafast computed tomography. Stanford W; Roodholamini M; Rumberger J; et al. *J Thorac Imag* 1988; 3-2: 52
- flexible balloon-expanded stent for small vessels: work in progress. Duprat G Jr; Wright KC; Charnsangavej C; Wallace S; Gianturco C. *Radiology* 1987; 162: 276
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications. Kinnison ML; Perler BA; Kaufman SL; Mitchell SE; Kadir S; Williams GM; White RI Jr. *Radiology* 1986; 160: 727
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications. LeMaitre GD. *Radiology* 1987; 163: 583
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications: reply. Kinnison ML; Perler BA. *Radiology* 1987; 163: 584
- intraluminal stents in atherosclerotic iliac artery stenosis: preliminary report of a multicenter study. Palmaz JC; Richter GM; Noeldge G; Schatz RA; Robison PD; Gardiner GA Jr; Becker GJ; McLean GK; Denny DF Jr; Lammer J; Paolini RM; Rees CR; Alvarado R; Heiss HW; Root HD; Rogers W. *Radiology* 1988; 168: 727
- low-artifact intravascular devices: MR imaging evaluation. Teitelbaum GP; Ortega HV; Vinitski S; Stern H; Tsuruda JS; Mitchell DG; Rifkin MD; Bradley WG Jr. *Radiology* 1988; 168: 713
- normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting. Palmaz JC; Kopp DT; Hayashi H; Schatz RA; Hunter G; Tio FO; Garcia O; Alvarado R; Rees C; Thomas SC. *Radiology* 1987; 164: 705
- Palmaz stent: a possible technique for prevention of postangioplasty restenosis. Levin DC. *Radiology* 1988; 168: 873
- percutaneous endovascular graft: experimental evaluation. Lawrence DD Jr; Charnsangavej C; Wright KC; Gianturco C; Wallace S. *Radiology* 1987; 163: 357
- prosthetic arterial graft occlusion: a complication of tourniquet use during arteriography. Zagoria RJ; D'Souza VJ; Sharling ES. *Radiology* 1988; 167: 121
- radionuclide angiography in the evaluation of arterial and venous grafts. Rudavsky AZ. *Semin Nucl Med* 1988; 18: 261
- saphenous vein graft aneurysms demonstrated by computed tomography. Yousem DM; Scott WW Jr; Fishman EK; et al. *JCAT* 1986; 10: 526

- self-expanding endovascular graft: an experimental study in dogs. Yoshioka T; Wright KC; Wallace S; et al. *AJR* 1988; 151: 673
- self-expanding endovascular prosthesis: an experimental study. Rousseau H; Puel J; Joffre F; Sigwart U; Dubouché C; Imbert C; Knight C; Kropf L; Wallsten H. *Radiology* 1987; 164: 709
- self-expanding metallic stents for small vessels: experimental evaluation. Duprat G Jr; Wright KC; Charnsangavej C; Wallace S; Gianturco C. *Radiology* 1987; 162: 469
- self-expanding metallic stents: preliminary evaluation in an atherosclerotic model. Rollins N; Wright KC; Charnsangavej C; Wallace S; Gianturco C. *Radiology* 1987; 163: 739
- thrombolysis of occluded arterial bypass grafts. Gardiner GA Jr. *Cardiovasc Intervent Radiol* 1988; 11: 558
- titanium-nickel intravascular endoprosthesis: a 2-year study in dogs. Sutton CS; Oku T; Harasaki H; et al. *AJR* 1988; 151: 597
- Arteries, hepatic**
See Hepatic arteries
- Arteries, hypogastric**
transluminal angioplasty of the hypogastric artery for treatment of buttock claudication. Morse SS; Cambria R; Strauss EB; et al. *Cardiovasc Intervent Radiol* 1986; 9: 136
- Arteries, ilioileal**
retrieval of coil after unintentional embolization of ilioileal artery. Vujic I; Moore L; McWee RE. *Radiology* 1986; 160: 563
- Arteries, iliac**
See also Arteries, extremities
angioplasty-related iliac artery rupture: treatment by temporary balloon occlusion. Joseph N; Levy E; Lipman S. *Cardiovasc Intervent Radiol* 1987; 10: 276
- combined antegrade-retrograde catheterization of the occluded common iliac artery prior to angioplasty. Saibil EA; Maggiano R. *J Canad Assoc Radiol* 1988; 39: 228
- common iliac artery occlusion: treatment with pull-through angioplasty. Loose HW; Ryall CJ. *Radiology* 1988; 168: 273
- computed tomography of aortoiliac atherosclerosis. (ab). Limpert JD; Vogelzang RL; Yao JST. *Radiology* 1988; 166: 293
- disappearing iliac vessels: an MR phase cancellation phenomenon. Mayo JR; McVeigh ER; Hoffman N; Poon PY; Henkelman RM. *Radiology* 1987; 164: 555
- intraluminal stents in atherosclerotic iliac artery stenosis: preliminary report of a multicenter study. Palmaz JC; Richter GM; Noeldge G; Schatz RA; Robison PD; Gardiner GA Jr; Becker GJ; McLean GK; Denny DF Jr; Lammer J; Paolini RM; Rees CR; Alvarado R; Heiss HW; Root HD; Rogers W. *Radiology* 1988; 168: 727
- normal aortoiliac diameters by CT. Horejs D; Gilbert PM; Burstein S; et al. *JCAT* 1988; 12: 602
- occlusion during iliac angioplasty: a salvageable complication. Train JS; Dan SJ; Mitty HA; Dikman SH; Harrington EB; Miller CM; Jacobson JH II. *Radiology* 1988; 168: 131
- percutaneous transluminal recanalization of common iliac artery occlusions. Rubinstein ZJ; Morag B; Peer A; et al. *Cardiovasc Intervent Radiol* 1987; 10: 16
- spasm of the deep circumflex artery causing entrapment of a guidewire. Shand J; Teasdale E. *Br J Radiol* 1988; 61: 251
- transluminal angioplasty of complete iliac obstructions. Colapinto RF; Stronell RD; Johnston WK. *AJR* 1986; 146: 859
- treatment of angioplasty-related iliac-artery rupture without bypass surgery (case report). Villarrica J; Gross RC. *AJR* 1986; 147: 389
- wire-loop technique for angioplasty of total iliac artery occlusions. Gaines PA; Cumberland DC. *Radiology* 1988; 168: 275
- Arteries, inflammation**
See Arteritis
- Arteries, injuries**
angiography in patients with arterial trauma: correlation between anisographic abnormalities, operative findings, and clinical outcome. Rose SC; Moore EE. *AJR* 1987; 149: 613

- arterial trauma: diagnostic and therapeutic angiography. Sclafani SJA; Cooper R; Shafan GW; Goldstein AS; Glanz S; Gordon DH. *Radiology* 1986; 161: 165
- brachial artery injuries associated with posterior elbow dislocation. (ab). Goldman MH; Kent S; Schaumburg E. *Radiology* 1987; 164: 590
- cervicopharyngeal arterial dissections: a ten-year experience. (ab). Biller J; Hingtgen WL; Adams HP Jr; et al. *Radiology* 1987; 163: 592
- false pulmonary artery aneurysm induced by Swan-Ganz catheter: diagnosis and embolotherapy. Davis SD; Neithamer CD; Schreiber TS; Sos TA. *Radiology* 1987; 164: 741
- interventional radiology in appendicular skeletal trauma. Fisher RG; Ben-Menachem Y. *Radiol Clin North Am* 1987; 25: 1203
- lumbar arterial injury: radiologic diagnosis and management. Sclafani SJA; Florence LO; Phillips TF; Scales TM; Glanz S; Goldstein AS; Duncan AO; Shafan GW. *Radiology* 1987; 165: 709
- MR imaging of post-traumatic pseudoaneurysm of the deep femoral artery. Ludwig WD; Yuh WTC; Montgomery WJ. *JCAT* 1987; 11: 1093
- occlusion during iliac angioplasty: a salvageable complication. Train JS; Dan SJ; Mitty HA; Dikman SH; Harrington EB; Miller CM; Jacobson JH II. *Radiology* 1988; 168: 131
- penetrating arterial trauma: analysis of missed vascular injuries. (ab). Richardson JD; Vitale GC; Flint LM Jr. *Radiology* 1988; 166: 588
- penetrating injuries of the thoracic aorta and brachiocephalic arteries: angiographic findings in 18 cases. Fisher RG; Ben-Menachem Y. *AJR* 1987; 149: 607
- peripheral arterial missile embolization: a case report and 22-year literature review. (ab). Shannon JJ Jr; Vo NM; Stanton PE Jr; et al. *Radiology* 1987; 163: 586
- role of arteriography in acute penetrating trauma to the extremities. Lipchik EO; Kaebnick HW; Beres JJ; et al. *Cardiovasc Intervent Radiol* 1987; 10: 202
- role of CT in excluding major arterial injury after blunt thoracic trauma. Mirvis SE; Kustrubak I; Whitley NO; et al. *AJR* 1987; 149: 601
- role of the intimal flap in arterial dissection: sonographic demonstration. Kotval PS; Babu SC; Fakhry J; et al. *AJR* 1988; 150: 1181
- stab wounds to the extremities: indications for angiography. Hartling RP; McCahan JP; Blaisdell FW; Lindfors KK. *Radiology* 1987; 162: 465
- stab wounds to the extremities: indications for angiography. Quinn MF; Lundell CJ. *Radiology* 1987; 165: 291
- stab wounds to the extremities: indications for angiography: reply. Hartling RP; McCahan JP; Lindfors KK; Blaisdell FW. *Radiology* 1987; 165: 291
- trauma angiography of the extremity: the impact of injury mechanism on triage decisions. Rose SC; Moore EE. *Cardiovasc Intervent Radiol* 1988; 11: 136
- trauma of the extremities: prospective comparison of digital and conventional angiography. Sibbitt RR; Palmaz JC; Garcia F; Reuter SR. *Radiology* 1986; 160: 179
- traumatic pseudoaneurysm of the anterior tibial artery simulating soft tissue malignancy. Dominguez R; de Santos LA. *Skeletal Radiol* 1986; 15: 622
- vascular injury and thromboembolism in a young woman. Saeed M; Cohan RH; German DC; et al. *Invest Radiol* 1987; 22: 62
- vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography. Gavanti ML; Gold RE; Fabian TC; Tonkin ILD. *Radiology* 1986; 158: 755
- Arteries, innominate**
avulsion of the innominate artery associated with fracture of the sternum. Ben-Menachem Y. *AJR* 1988; 150: 621
- brachiocephalic artery dilation by percutaneous transluminal angioplasty. Vitek JJ; Keller FS; Duvall ER; Gupta KL; Chandra-Sekar B. *Radiology* 1986; 158: 779

Arteries, innominate

- comparison of brachiocephalic angiography and IVDSA in the same group of patients, Thijssen HOM; Merx JL; Mostart JEJ; et al, *Neuroradiol* 1988; 30: 91
- improvement of IVDSA of the brachiocephalic arteries using a non-ionic contrast medium, Thijssen HOM; Merx JL; Thijssen MAO; et al, *Neuroradiol* 1988; 30: 211
- penetrating injuries of the thoracic aorta and brachiocephalic arteries: angiographic findings in 18 cases, Fisher RG; Ben-Menachem Y, *AJR* 1987; 149: 607
- penetrating vascular injuries of the face and neck: clinical and angiographic correlation, North CM; Ahmadi J; Segall HD; et al, *AJNR* 1986; 7: 855
- percutaneous transluminal angioplasty (dilatation) of carotid, vertebral, and innominate artery stenoses, Kachel R; Endert G; Basche S; et al, *Cardiovasc Intervent Radiol* 1987; 10: 142
- percutaneous transluminal angioplasty of subclavian arteries, Burke DR; Gordon RL; Mishkin JD; McLean GK; Meranze SG, *Radiology* 1987; 164: 699
- thoracic outlet syndrome: review and reference to stroke in a major league pitcher, Fields WS; Lemak NA; Ben-Menachem Y, *AJNR* 1986; 7: 73
- "washout" technique for brachiocephalic angioplasty, Derauf BJ; Erickson DL; Castaneda-Zuniga WR; et al, *AJR* 1986; 146: 849

Arteries, interventional procedure

See Arteries, transluminal angioplasty

Arteries, laser angioplasty

- coronary artery laser therapy, Anderson HV; King SB III, *AJR* 1988; 150: 995
- direct argon laser exposure for recanalization of peripheral arteries: early results, Nordstrom LA; Castaneda-Zuniga WR; Young EG; Von Seggern KB, *Radiology* 1988; 168: 359
- laser thermal angioplasty for the treatment of obstruction of the distal superficial femoral or popliteal arteries, McCowan TC; Ferris EJ; Barnes RW; et al, *AJR* 1988; 150: 1169
- percutaneous laser thermal angioplasty: initial results and 1-year follow-up in 129 femoropopliteal lesions, Sanborn TA; Cumberland DC; Greenfield AJ; Welsh CL; Guben JK, *Radiology* 1988; 168: 121
- percutaneous transluminal laser angioplasty with contact probes, Lammer J; Karmel F, *Radiology* 1988; 168: 733

Arteries, mammary

- control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery, Jardin M; Remy J, *Radiology* 1988; 168: 377
- value of ultrasound in localizing the internal mammary vessels, Bruneton JN; Dalphin FY; Caramella E; et al, *Eur J Radiol* 1986; 6: 142

Arteries, mesenteric

- comparison of an intravenous selective mesenteric vasodilator with intraarterial papaverine in experimental nonocclusive mesenteric ischemia, (ab), MacCannell KL, *Radiology* 1987; 162: 883
- heavenly twins: useful anatomic landmarks in C.T. and ultrasound of the abdomen, Albertyn L, *Australas Radiol* 1987; 31: 278
- importance of mesenteric vascular insufficiency in meconium peritonitis, (ab), Tibboel D; Gaillard JL; Molenaar JC, *Radiology* 1986; 161: 858
- intestinal angina: percutaneous transluminal angioplasty of the celiac and superior mesenteric arteries, Odurny A; Sniderman KW; Colapinto RF, *Radiology* 1988; 167: 59
- middle mesenteric artery, Lawdahl RB; Keller FS, *Radiology* 1987; 165: 371
- position of the superior mesenteric artery on computed tomography and its relationship to retroperitoneal disease, Carrington BM; Martin DF, *Br J Radiol* 1987; 60: 997
- prostaglandins in diagnostic and therapeutic superior mesenteric artery pharmacangiography, Burgener FA; Gutierrez OH, *Invest Radiol* 1986; 21: 210
- pulsatility index of superior mesenteric artery blood velocity waveforms, Qamar MI; Read AE; Skidmore R; et al, *Ultrasound Med Biol* 1986; 12: 773

- splenic artery and superior mesenteric artery blood flow: nonsurgical Doppler US measurements in healthy subjects and patients with chronic liver disease, Sato S; Ohnishi K; Sugita S; Okuda K, *Radiology* 1987; 164: 347
- superior mesenteric aneurysm diagnosed by ultrasound, Mourad K; Guggiana P; Minasian H, *Br J Radiol* 1987; 60: 287
- superior mesenteric artery balloon occlusion: a nonoperative model of small bowel ischemia in dogs, Cohen JR; Leal J; Pillari G; et al, *Invest Radiol* 1987; 22: 871

Arteries, MR studies

- computed tomography and magnetic resonance imaging of a superior gluteal artery pseudoaneurysm, Zitrinsky K; Markisz JA; Auh YH; et al, *CT* 1988; 12: 75
- disappearing iliac vessels: an MR phase cancellation phenomenon, Mayo JR; McVeigh ER; Hoffman N; Poon PY; Henkelman RM, *Radiology* 1987; 164: 555
- echo planar imaging of normal and abnormal connections of the heart and great arteries, Chrispin A; Small P; Rutter N; et al, *Pediatr Radiol* 1986; 16: 289
- feasibility of high-resolution, intravascular ultrasonic imaging catheters, Meyer CR; Chiang EH; Fechner KP; Fitting DW; Williams DM; Buda AJ, *Radiology* 1988; 168: 113
- hemifacial spasm caused by a tortuous vertebral artery: MR demonstration, Tash RR; Kier EL; Chyatte D, *JCAT* 1988; 12: 492
- in-plane vascular imaging: pulse sequence design and strategy, Lenz GW; Haacke EM; Masaryk TJ; Laub G, *Radiology* 1988; 166: 875
- magnetic resonance applications in atherosclerotic vascular disease, Wesbey GE; Higgins CB; Hale JD; et al, *Cardiovasc Intervent Radiol* 1986; 8: 342
- magnetic resonance imaging of spinal arteriovenous malformations, (ab), Doppman JL; Di Chiro G; Dwyer AJ, *Radiology* 1988; 166: 590
- MR angiography of peripheral, carotid, and coronary arteries, Alifidi RJ; Masaryk TJ; Haacke EM; et al, *AJR* 1987; 149: 1097
- MR imaging in the management of supratentorial intracranial AVMs, Smith HJ; Strother CM; Kikuchi Y; et al, *AJNR* 1988; 9: 225
- MR imaging of aneurysm of an aberrant right subclavian artery, Brown K; Batra P, *JCAT* 1987; 11: 1071
- MRI of angiographically occult vascular malformations, Lemme-Plaghos L; Kucharczyk W; Brant-Zawadzki M; et al, *AJR* 1986; 146: 1223
- MR of basilar artery dolichoectasia, Naseem M; Leehey P; Russell E; et al, *AJNR* 1988; 9: 391
- proton relaxation times in arterial wall and atheromatous lesions in man, Soila K; Nummi P; Ekfors T; et al, *Invest Radiol* 1986; 21: 411
- spatial presaturation: a method for suppressing flow artifacts and improving depiction of vascular anatomy in MR imaging, Felmlee JP; Ehman RL, *Radiology* 1987; 164: 559
- vascular imaging with MRI: inadequacy in Takayasu's arteritis compared with angiography, Miller DL; Reing JW; Volkman DJ, *AJR* 1986; 146: 949
- vascular rings: MR imaging, Bisset GS III; Strife JL; Kirks DR; et al, *AJR* 1987; 149: 251

Arteries, peripheral

- arterial occlusive disease below the knee: treatment with percutaneous transluminal angioplasty performed with low-profile catheters and steerable guide wires, Schwarten DE; Cutcliff WB, *Radiology* 1988; 169: 71
- intraluminal stents in atherosclerotic iliac artery stenosis: preliminary report of a multicenter study, Palmaz JC; Richter GM; Noeldge G; Schatz RA; Robison PD; Gardiner GA Jr; Becker GJ; McLean GK; Denny DF Jr; Lammer J; Paolini RM; Rees CR; Alvarado R; Heiss HW; Root HD; Rogers W, *Radiology* 1988; 168: 727

- laser-assisted percutaneous angioplasty: initial clinical experience in peripheral arteries, Cumberland DC; Taylor DJ; Procter AE, *Clin Radiol* 1986; 37: 423
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries, Koppenshteyn R; Minar E; Ahmadi R; Jung M; Ehringer H, *Radiology* 1988; 168: 877
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries: reply, Risius B, *Radiology* 1988; 168: 877
- percutaneous coil embolization in the management of peripheral mycotic aneurysms, Glanz S; Gordon DH; Sciafani SJA, *Cardiovasc Intervent Radiol* 1987; 10: 198
- percutaneous transluminal angioplasty below the knee: new techniques, excellent results, Casarella WJ, *Radiology* 1988; 169: 271
- percutaneous transluminal angioplasty of infrapopliteal vessels: preliminary results and technical considerations, Brown KT; Schoenberg NY; Moore ED; Saddekni S, *Radiology* 1988; 169: 75
- peripheral arterial duplex scanning, Moneta GL; Strandness DE Jr, *JCU* 1987; 15: 645
- peripheral artery atherectomy: description of technique and report of initial results, Newman GE; Miner DG; Sussman SK; Phillips HR; Mikat EM; McCann RL, *Radiology* 1988; 169: 677
- recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts, Risius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR; Grossbard EB, *Radiology* 1986; 160: 183
- thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses, Risius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR, *Radiology* 1987; 164: 465

Arteries, popliteal

- See also Arteries, extremities
- adventitial cyst of the popliteal artery: CT-guided percutaneous aspiration, Wilbur AC; Spigos DG, *JCAT* 1986; 10: 161
- arterial occlusive disease below the knee: treatment with percutaneous transluminal angioplasty performed with low-profile catheters and steerable guide wires, Schwarten DE; Cutcliff WB, *Radiology* 1988; 169: 71
- case report: adventitial cystic disease of the popliteal artery, Ward AS; Reidy JF, *Clin Radiol* 1987; 38: 649
- case report: popliteal artery perforation during low dose intra-arterial streptokinase infusion, Earnshaw JJ; Gregson RHS; Lowe JS; et al, *Clin Radiol* 1987; 38: 321
- computed tomography and sonography of cystic adventitial disease, Fitzjohn TP; White FE; Loose HW; et al, *Br J Radiol* 1986; 59: 933
- Doppler ultrasound assessment of the femoropopliteal segment: comparison of different methods using ROC curve analysis, Baker AR; Prytherch DR; Evans DH; et al, *Ultrasound Med Biol* 1986; 12: 473
- gallium-67 citrate accumulation in a mycotic popliteal artery aneurysm, Leclerc Y; Verreault J; Bisson G, *Clin Nucl Med* 1988; 13: 571
- in-plane vascular imaging: pulse sequence design and strategy, Lenz GW; Haacke EM; Masaryk TJ; Laub G, *Radiology* 1988; 166: 875
- intraarterial fibrinolytic therapy for popliteal and tibial artery obstruction: comparison of streptokinase and urokinase, Traugber PD; Cook PS; Micklos TJ; et al, *AJR* 1987; 149: 453
- laser thermal angioplasty for the treatment of obstruction of the distal superficial femoral or popliteal arteries, McCowan TC; Ferris EJ; Barnes RW; et al, *AJR* 1988; 150: 1169
- percutaneous transluminal angioplasty of infrapopliteal vessels: preliminary results and technical considerations, Brown KT; Schoenberg NY; Moore ED; Saddekni S, *Radiology* 1988; 169: 75
- persistent plaque following successful angioplasty: demonstration by Doppler duplex, Rosner NH; Doris PE, *J Ultrasound Med* 1986; 5: 107

- popliteal artery and its branches: embryologic basis of normal and variant anatomy, Mauro MA; Jacques PF; Moore M, *AJR* 1988; 150: 435
- popliteal artery entrapment: importance of the stress runoff for diagnosis, Greenwood LH; Yrizarry JM; Hallett JW Jr, *Cardiovasc Intervent Radiol* 1986; 9: 93
- popliteal artery entrapment syndrome. report of 2 cases, (ab), Jeffery PC; Immelman E; Harries-Jones P, *Radiology* 1986; 158: 574
- popliteal vein thrombosis and popliteal artery pseudoaneurysm complicating osteochondroma of the femur, Lizama VA; Zerbini MA; Gagliardi R; et al, *AJR* 1987; 148: 783
- some failings of pulsatility index and damping factor, Baker AR; Evans DH; Prytherch DR; et al, *Ultrasound Med Biol* 1986; 12: 875
- Arteries, posterior cerebral**
- selective posterior cerebral artery amyltal test for evaluating memory function before surgery for temporal lobe seizure, Jack CR Jr; Nichols DA; Sharbrough FW; Marsh WR; Petersen RC, *Radiology* 1988; 168: 787
- whither the Wada?, Miller DL; Fedio P, *Radiology* 1988; 168: 871
- Arteries, posterior humeral circumflex**
- quadrilateral space syndrome: a rare cause of shoulder pain, Cormier PJ; Matalon TAS; Wolin PM, *Radiology* 1988; 167: 797
- Arteries, prostheses**
- See Arteries, grafts and prostheses
- Arteries, pudendal**
- color Doppler analysis of penile arteries in impotence, Kruff RH; Giesbers AAGM, *Radiology* 1988; 169: 283
- nonselective angiography after intracorporeal papaverine injection: an alternative technique for evaluating penile arterial integrity, Schwartz AN; Freidenberg D; Harley JD, *Radiology* 1988; 167: 249
- posttraumatic impotence: angiographic evaluation, Lurie AL; Bookstein JJ; Kessler WO, *Radiology* 1988; 166: 115
- Arteries, pulmonary**
- See Pulmonary arteries
- Arteries, radionuclide studies**
- cutaneous uptake of gallium-67 in polyarteritis nodosa, Alexander JE; Seibert JJ; Lowe BA, *Clin Nucl Med* 1987; 12: 883
- iodine-125 cholesteryl iopanoate for measuring extent of atherosclerosis in rabbits, DeGalan MR; Schwendner SW; Skinner RW; et al, *J Nucl Med* 1988; 29: 503
- mycotic aneurysm visualized on technetium-99m venogram, Skarzynski JJ; Mockapetris A; Lee HK; et al, *Clin Nucl Med* 1987; 12: 428
- Arteries, renal**
- See Renal arteries
- Arteries, sciatic**
- CT demonstration of aneurysm of a persistent sciatic artery, Wilms GE; Storme L; Vandaele L; et al, *JCAT* 1986; 10: 524
- persistent sciatic artery. report of three cases and literature review, Freeman MP; Tisnado J; Cho S-R, *Br J Radiol* 1986; 59: 217
- Arteries, spinal**
- isolated dorsosplenic artery supplying anterior spinal artery, Clavier E; Guimaraes L; Chiras J; et al, *Neuroradiol* 1987; 29: 213
- lateral spinal artery of the upper cervical spinal cord: anatomy, normal variations, and angiographic aspects, (ab), Lasjaunias P; Vallee B; Person H; et al, *Radiology* 1986; 160: 861
- spinal arteriovenous malformations: advances in therapeutic embolization, Theron J; Cosgrove R; Melanson D; Ethier R, *Radiology* 1986; 158: 163
- spinal Wada test, Doppman JL; Gorton ME; Oldfield EH, *Radiology* 1986; 161: 319
- Arteries, splenic**
- computed tomography follow-up of nonsurgical treatment for hypersplenism, Tihansky DP; Lluncor E, *CT* 1986; 10: 227
- partial splenic embolization for painful splenomegaly, Grassi CJ; Box LM; Bettmann MA, *Cardiovasc Intervent Radiol* 1987; 10: 291
- quantitative evaluation of postembolized splenic tissue using technetium-99m sulfur colloid, Ertzner TW; Sandler MP; Kulkarni MV; et al, *Clin Nucl Med* 1987; 12: 281
- splenic artery and superior mesenteric artery blood flow: nonsurgical Doppler US measurements in healthy subjects and patients with chronic liver disease, Sato S; Ohnishi K; Sugita S; Okuda K, *Radiology* 1987; 164: 347
- splenic artery pseudoaneurysm after placement of a pancreatic pseudocyst, Quinn SF; Finney R; Rosemurgy A; et al, *AJR* 1988; 151: 495
- splenic artery pseudoaneurysms causing lower gastrointestinal hemorrhage, Walker TG; Geller SC; Waltman AC, *AJR* 1988; 150: 433
- Arteries, stenosis or obstruction**
- arterial occlusive disease below the knee: treatment with percutaneous transluminal angioplasty performed with low-profile catheters and steerable guide wires, Schwarten DE; Cutcliff WB, *Radiology* 1988; 169: 71
- blue digit syndrome: treatment with percutaneous transluminal angioplasty, Kumpe DA; Zwerdlinger S; Griffin DJ, *Radiology* 1988; 166: 37
- blue toe syndrome: treatment with anticoagulants and delayed percutaneous transluminal angioplasty, Brewer ML; Kinnison ML; Perler BA; White RI Jr, *Radiology* 1988; 166: 31
- combination of short- and long-term catheter thrombolysis for peripheral arterial occlusion, Do-dai-Do; Mahler F; Triller J; et al, *Eur J Radiol* 1987; 7: 235
- common iliac artery occlusion: treatment with pull-through angioplasty, Loose HW; Ryall CJ, *Radiology* 1988; 168: 273
- comparison of the costs of vascular surgery and balloon dilatation in lower limb ischaemic disease, Jeans WD; Danton RM; Baird RN; et al, *Br J Radiol* 1986; 59: 453
- complications of intraarterial urokinase-lys-plasminogen infusion therapy in arterial ischemia of lower limbs, Flessinger J-N; Vitoux J-F; Pernes J-M; et al, *AJR* 1986; 146: 157
- direct argon laser exposure for recanalization of peripheral arteries: early results, Nordstrom LA; Castaneda-Zuniga WR; Young EG; Von Seggern KB, *Radiology* 1988; 168: 359
- ergotism presenting as restenosis following angioplasty, Keigley B; Vogelzang RL; Neiman HL; et al, *Cardiovasc Intervent Radiol* 1987; 10: 21
- experimental enhancement of drug uptake using short-term flow occlusion: comparison of balloon and tourniquet techniques, Woods DM; Wright KC; Carrasco CH; et al, *AJR* 1986; 146: 375
- fibrinolyse in situ des troncs supra-aortiques: etude preliminaire (in situ fibrinolysis in supra-aortic main vessels: a preliminary study), Courtheoux P; Theron J; Derlon JM; et al, *J Neuroradiol* 1986; 13: 111
- guide wire angioplasty balloon catheter: preliminary report, Tegtmeier CJ, *Radiology* 1988; 169: 253
- hemodynamic evaluation of arterial stenoses by computer simulation, Kandarpa K; Davids N; Gardiner GA Jr; et al, *Invest Radiol* 1987; 22: 393
- intra-arterial ultrasonic imaging for recanalization by spark erosion, Bom N; Slager CJ; van Egmond FC; et al, *Ultrasound Med Biol* 1988; 14: 257
- intraoperative angioplasty, Wilms GE; Nevelsteen A; Baert AL; et al, *Cardiovasc Intervent Radiol* 1987; 10: 8
- laser angioplasty: controlled delivery of argon laser energy, Nordstrom LA; Castaneda-Zuniga WR; Lindeke CC; Rasmussen TM; Burnside DK, *Radiology* 1988; 167: 463
- laser angioplasty of arterial stenoses, Geschwind HJ; Teisseire B; Boussignac G; et al, *Cardiovasc Intervent Radiol* 1986; 9: 313
- long-segment femoropopliteal stenoses: is angioplasty a boon or a bust?, Murray RR Jr; Hewes RC; White RI Jr; Mitchell SE; Auster M; Chang R; Kadir S; Kinnison ML; Kaufman SL, *Radiology* 1987; 162: 473
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries, Koppstein R; Minar E; Ahmadi R; Jung M; Ehringer H, *Radiology* 1988; 168: 877
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries: reply, Rissius B, *Radiology* 1988; 168: 877
- nonselective angiography after intracorporeal papaverine injection: an alternative technique for evaluating penile arterial integrity, Schwartz AN; Freidenberg D; Harley JD, *Radiology* 1988; 167: 249
- normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting, Palmaz JC; Kopp DT; Hayashi H; Schatz RA; Hunter G; Tio FO; Garcia O; Alvarado R; Rees C; Thomas SC, *Radiology* 1987; 164: 705
- orderly approach: comments on the intravascular use of lasers, Garnic JD, *Cardiovasc Intervent Radiol* 1986; 9: 318
- percutaneous recanalization of total iliac and femoro-popliteal artery occlusions, Graziani L, *Eur J Radiol* 1987; 7: 91
- percutaneous transluminal angioplasty of subclavian arteries, Burke DK; Gordon RL; Mishkin JD; McLean GK; Meranze SG, *Radiology* 1987; 164: 699
- percutaneous transluminal laser angioplasty with contact probes, Lammer J; Karmel F, *Radiology* 1988; 168: 733
- percutaneous transluminal recanalization of common iliac artery occlusions, Rubinstein ZJ; Morag B; Peer A; et al, *Cardiovasc Intervent Radiol* 1987; 10: 16
- percutaneous transluminal renal angioplasty in children and adolescents, Mali WFTM; Puijalt CBA; Kouwenberg HJ; Klinge J; Donckerwolcke RAMG; Geijssels BG; Overbosch EH; Rosenbusch GJE; Ludwig WW; Feldberg MAM, *Radiology* 1987; 165: 391
- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Miettashk A; Bruckl R, *Radiology* 1987; 163: 753
- peripheral artery atrethectomy: description of technique and report of initial results, Newman GE; Miner DG; Sussman SK; Phillips HR; Mikat EM; McCann RL, *Radiology* 1988; 169: 677
- reversible rostral basilar artery syndrome, (ab), Mehler MF, *Radiology* 1988; 168: 293
- some failings of pulsatility index and damping factor, Baker AR; Evans DH; Prytherch DR; et al, *Ultrasound Med Biol* 1986; 12: 875
- stability of flow patterns in the *in vivo* post-stenotic velocity field, Hutchison KJ; Karpinski E, *Ultrasound Med Biol* 1988; 14: 269
- thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses, Rissius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR, *Radiology* 1987; 164: 465
- "top of the basilar" syndrome: clinicoradiological evaluation, Sato M; Tanaka S; Kohama A, *Neuroradiol* 1987; 29: 354
- treatment of peripheral arterial obstruction with streptokinase: results in arterial vs graft occlusions, LeBlot SA; Tisnado J; Cho S-R, *AJR* 1988; 151: 589
- use and limitations of thrombolytic therapy in the treatment of peripheral arterial ischemia: results of a multiinstitutional questionnaire, (ab), Ricotta JJ; Green RM; DeWeese JA, *Radiology* 1988; 166: 294
- Arteries, subclavian**
- aberrant right subclavian artery: further observations, Proto AV; Cuthbert NW; Raider L, *AJR* 1987; 148: 253
- aberrant right subclavian artery with a large diverticulum of Kommerell: a potential for misdiagnosis, Walker TG; Geller SC, *AJR* 1987; 149: 477
- angioplastie endo-luminale percutanee des arteres vertebrales et sous-clavieres: confrontation angio-velocimetrique (percutaneous transluminal angioplasty of the vertebral and subclavian arteries: an angiographic-velocimetric comparison), Tournade A; Zenglein JP; Braun JP; et al, *J Neuroradiol* 1986; 13: 95

apical opacity: normal finding on posteroanterior chest radiographs, Proto AV; Chaliff ML, *Radiology* 1986; 161: 429

CT of ruptured aneurysm of aberrant right subclavian artery, Vega A; Ortiz A; Longo JM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 13

embolization of a subclavian artery aneurysm with steel coils and thrombin, Fedullo LM; Meranze SG; McLean GK; et al, *Cardiovasc Intervent Radiol* 1987; 10: 134

inferior thyroid artery arising from common carotid artery with aberrant right subclavian artery, Simmons JT; Doppman JL; Norton J; *Cardiovasc Intervent Radiol* 1987; 10: 150

invagination of the left subclavian artery into the left upper lobe—normal variant, Austin JHM, *Comput Radiol* 1986; 10: 127

isolation of the right subclavian artery, Mathieson JR; Silver SF; Culham JAG, *AJR* 1988; 151: 781

massive hemoptysis: control by embolization of the thyrocervical trunk, Moore LB; McWey RE; Vujic I, *Radiology* 1986; 161: 173

nonbronchial systemic collateral arteries: significance in percutaneous embolotherapy for hemoptysis, Keller FS; Rosch J; Loflin TG; Nath PH; McElvein RB, *Radiology* 1987; 164: 687

pain in the hand in the presence of mediastinal mass, Hicks IP; Carr DH, *Br J Radiol* 1986; 59: 77

percutaneous transluminal angioplasty of subclavian arteries, Burke DR; Gordon RL; Mishkin JD; McLean GK; Meranze SG, *Radiology* 1987; 164: 699

percutaneous transluminal angioplasty of the subclavian artery: early and late results, Wilms GE; Baert AL; Dewaele D; et al, *Cardiovasc Intervent Radiol* 1987; 10: 123

right subclavian artery aneurysms—role of CT, Stark P; David C, *Comput Radiol* 1986; 4: 253

right subclavian steal associated with aberrant right subclavian artery, Rowe DM; Becker GJ; Scott JA; et al, *AJNR* 1988; 9: 604

subclavian artery steal syndrome: treatment by percutaneous transluminal angioplasty, Erbsstein RA; Wholey MH; Smoot S, *AJR* 1988; 151: 291

thoracic outlet syndrome: review and reference to stroke in a major league pitcher, Fields WS; Lemak NA; Ben-Menachem Y, *AJNR* 1986; 7: 73

Arteries, surgery

surgically treatable lesions of the extracranial circulation, including the vertebral artery, Smullens SN, *Radiol Clin North Am* 1986; 24: 453

Arteries, therapeutic blockade

adjusting the polymerization time of isobutyl-2-cyanoacrylate, Spiegel SM; Vinuela FV; Goldwasser JM; et al, *AJNR* 1986; 7: 109

angiographic ablation of parathyroid adenomas: lessons from a 10 year experience, Miller DL; Doppman JL; Chang R; Simmons JT; O'Leary TJ; Norton JA; Spiegel AM; Marx SJ; Aurbach GD, *Radiology* 1987; 165: 601

angiographic diagnosis of gastric volvulus with report of a complication following left gastric artery embolization, Robbins SM; Tuten TU; Clements JL; et al, *Gastrointest Radiol* 1988; 13: 112

angiographic follow-up of large cerebral AVMs incompletely embolized with isobutyl-2-cyanoacrylate, Vinuela FV; Fox AJ; Pelz DM; et al, *AJNR* 1986; 7: 919

angiomyolipomas in tuberous sclerosis: subselective embolotherapy with alcohol, with long-term follow-up study, Earthman WJ; Mazer MJ; Winfield AC, *Radiology* 1986; 160: 437

arterial embolization of adrenal tumors: results in nine cases, O'Keefe FN; Carrasco CH; Charnsangavej C; et al, *AJR* 1988; 151: 819

arteriovenous fistula of the internal maxillary artery: treatment with transarterial embolization, Halbach VV; Higashida RT; Hieshima GB; Hardin CW, *Radiology* 1988; 168: 443

bronchial artery embolization: monitoring with somatosensory evoked potentials, work in progress, Schrodt JF; Becker GJ; Scott JA; Warren CH; Benenati SV, *Radiology* 1987; 164: 135

cardiovascular/interventional radiology. RSNA '87 meeting notes, Hunter DW; Baum S; Becker GJ; Casarella WJ; Cragg AH; Darcy MD; Kopecky K; Smith TP, *Radiology* 1988; 166: 608

case report: direct percutaneous embolization of a false aneurysm with steel coils, McIvor J; Treweek PS, *Clin Radiol* 1988; 39: 205

chemoembolization of malignant facial tumours: a preliminary study in 47 patients, Tournade A; Courtheoux P; Tajahmady T; et al, *J Neurosurg* 1987; 14: 125

chronic portosystemic encephalopathy: embolization of portosystemic shunts, Uflacker R; de O Silva A; Carneiro d'Albuquerque LA; Piske RL; Mourao GS, *Radiology* 1987; 165: 721

coil-in-coil technique for vascular embolization, Butto F; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1986; 161: 554

complications of embolization: analysis of 410 procedures, Hemingway AP; Allison DJ, *Radiology* 1988; 166: 669

computed tomography of residual hepatomas following transcatheter arterial embolization, Murayama S; Tsukamoto Y; Watanabe H; et al, *JCAT* 1986; 10: 969

congenital arteriovenous malformations: tailored embolotherapy, Widlus DM; Murray RR; White RJ Jr; Osterman FA Jr; Schreiber ER; Satre RW; Mitchell SE; Kaufman SL; Williams GM; Weiland AJ, *Radiology* 1988; 169: 511

control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery, Jardin M; Remy J, *Radiology* 1988; 168: 377

control of postoperative vaginal hemorrhage by embolization of the medial circumflex femoral artery, Odurny A; Colapinto RF, *AJR* 1987; 149: 319

dextran microsphere embolization: experimental and clinical experience with radiologic-pathologic correlation, work in progress, Dion JE; Rankin RN; Vinuela FV; Fox AJ; Wallace AC; Mervart M, *Radiology* 1986; 160: 717

direct catheter redirection of a symptomatic errant intracranial Silastic sphere embolus, Russell EJ; Levy JM, *Radiology* 1987; 165: 631

efficacy of low-dose streptokinase in acute arterial occlusion and graft thrombosis, (ab), Kakkasseril JS; Cranley JJ; Arbaugh JJ; et al, *Radiology* 1986; 158: 282

embolic management of rare hemorrhagic gynecologic and obstetrical conditions, Vujic I; Stanley JH; Gobien RP; et al, *Cardiovasc Intervent Radiol* 1986; 9: 69

embolization in small bowel hemorrhage, Chalmers AG; Robinson PJ; Chapman AH, *Clin Radiol* 1986; 37: 379

embolization in cutaneous hemorrhage caused by squamous cell carcinomas of the head and neck, Wilner HI; Lazo A; Metes JJ; Beil KA; Nowack P; Jacobs J, *Radiology* 1987; 163: 759

embolization of a subclavian artery aneurysm with steel coils and thrombin, Fedullo LM; Meranze SG; McLean GK; et al, *Cardiovasc Intervent Radiol* 1987; 10: 134

embolization of the left gastric artery in the absence of angiographic extravasation, Morris DC; Nichols DM; Connell DG; et al, *Cardiovasc Intervent Radiol* 1986; 9: 195

embolization of the systemic arteries of the lung, Pinet F; Clermont A; Michel C; et al, *J Thorac Imag* 1987; 2: 11

embolization therapy in the management of infantile hemangioma with Kasabach Merritt syndrome, Sato Y; Frey EE; Wicklund B; et al, *Pediatr Radiol* 1987; 17: 503

endovascular treatment of intracranial AVMs: combined embolization with a multi-purpose mobile-wired microcatheter system, Benati A; Beltramello A; Maschio A; et al, *J Neurosurg* 1987; 14: 99

experimental evaluation of microcapsules for arterial chemoembolization, Bechtel W; Wright KC; Wallace S; Mosier B; Mosier D; Mir S; Kudo S, *Radiology* 1986; 161: 601

false pulmonary artery aneurysm induced by Swan-Ganz catheter: diagnosis and embolotherapy, Davis SD; Neithamer CD; Schreiber TS; Sos TA, *Radiology* 1987; 164: 741

glutaraldehyde cross-linked collagen (GAX): a new material for therapeutic embolization, Strother CM; Laravuso R; Rappe A; et al, *AJNR* 1987; 8: 509

high-flow-rate arteriovenous malformation model for simulated therapeutic embolization, Barynski WS; O'Reilly GV; Forrest MD, *Radiology* 1988; 167: 419

histologic analysis of tissue response to Bucrylate-Pantopaque mixture, Cromwell LD; Freney PC; Kerber CW; et al, *AJR* 1986; 147: 627

indium-111 labeled leukocyte imaging following hepatic artery embolization, Witte RJ; Petersen RJ; Augustine SC; et al, *Clin Nucl Med* 1986; 11: 341

interventional radiology: reflections and expectations, the 1985 Eugene P. Pendergrass New Horizons Lecture, White RI Jr, *Radiology* 1987; 162: 593

intraarterial embolization in combination with surgery in the management of congenital pelvic arteriovenous malformation, Van Poppel H; Claes H; Suy R; et al, *Urol Radiol* 1988; 10: 89

intrathoracic interventional vascular techniques in congenital cardiovascular disease, Kaufman SL, *J Thorac Imag* 1987; 2: 1

iodized oil in the portal vein after arterial embolization, Nakamura H; Hashimoto T; Oi H; Sawada S, *Radiology* 1988; 167: 415

longterm histopathologic follow-up of bronchial arteries after therapeutic embolization with polyvinyl alcohol (Ivalon) in patients with cystic fibrosis, (ab), Tomashefski JF Jr; Cohen AM; Doershuik CF, *Radiology* 1988; 169: 287

low-dose particulate polyvinylalcohol embolization in massive small artery intestinal hemorrhage: experimental and clinical results, Kusano S; Murata K; Ohuchi H; et al, *Invest Radiol* 1987; 22: 388

lumbar arterial injury: radiologic diagnosis and management, Sclafani SJA; Florence LO; Phillips TF; Scalea TM; Glanz S; Goldstein AS; Duncan AC; Shafan GW, *Radiology* 1987; 165: 709

massive hemoptysis: control by embolization of the thyrocervical trunk, Moore LB; McWey RE; Vujic I, *Radiology* 1986; 161: 173

MR imaging of hepatoma treated by embolization, Ohtomo K; Itai Y; Yoshikawa K; et al, *JCAT* 1986; 10: 973

neurologic complications of pelvic intraarterial chemoembolization performed with collagen material and cisplatin, Quinn SF; Frau DM; Saff GN; Kavanagh J; Roberts W; Cavanagh D; Clark RA, *Radiology* 1988; 167: 55

nonbronchial systemic collateral arteries: significance in percutaneous embolotherapy for hemoptysis, Keller FS; Rosch J; Loflin TG; Nath PH; McElvein RB, *Radiology* 1987; 164: 687

obstetric and nonmalignant gynecologic bleeding: treatment with angiographic embolization, Greenwood LH; Glickman MG; Schwartz PE; Morse SS; Denny DF, *Radiology* 1987; 164: 155

pathology of encephalic arteriovenous malformations treated by prior embolotherapy, Lanman TH; Martin NA; Vinters HV, *Neuroradiol* 1988; 30: 1

percutaneous coil embolization in the management of peripheral mycotic aneurysms, Glanz S; Gordon DH; Sclafani SJA, *Cardiovasc Intervent Radiol* 1987; 10: 198

percutaneous embolization of the ovarian artery in the treatment of pelvic hemorrhage, Marx MV; Picus D; Weyman PJ, *AJR* 1988; 150: 1337

percutaneous renal ablation in patients with end-stage renal disease: alternative to surgical nephrectomy, Keller FS; Coyle M; Rosch J; Dotter CT, *Radiology* 1986; 159: 447

- percutaneous transluminal embolization for improved prognosis of renal cell carcinoma—dependence on tumor stages, Stosslein F; Schwelke A; Muenster W, *Cardiovasc Intervent Radiol* 1988; 11: 91
- permanent inflation of detachable balloons with a low-viscosity, hydrophilic polymerizing system, Goto K; Halbach VV; Hardin CW; Higashida RT; Hieshima GB, *Radiology* 1988; 169: 787
- permeability of detachable latex rubber balloons: an in vitro study, Hawkins TD; Szaz KF, *Invest Radiol* 1987; 22: 969
- platinum wire: a new transvascular embolic agent, Yang PJ; Halbach VV; Higashida RT; et al, *AJNR* 1988; 9: 547
- preoperative embolization of brain AVMs with isobutyl-2 cyanoacrylate, Feiz DM; Fox AJ; Viñuela F; et al, *AJNR* 1988; 9: 757
- preoperative embolization of intracranial meningiomas, Manelfe C; Lasjaunias P; Rusalleda J, *AJNR* 1987; 9: 963
- preoperative embolization of the head and neck: indications, patient selection, goals, and precautions, Valavanis A, *AJNR* 1986; 7: 943
- preoperative renal tumor embolization: a useful procedure?, Fischelick A-R; Peters PE; Kleinhaus G; et al, *Acta Radiol* 1987; 28: 303
- pulmonary arteriovenous malformations: techniques and long-term outcome of embolotherapy, White RI Jr; Lynch-Nyhan A; Terry P; Buescher PC; Farmlett EJ; Charnas L; Shuman KR; Kim W; Kinnison ML; Mitchell SE, *Radiology* 1988; 169: 663
- quantitative evaluation of postembolized splenic tissue using technetium-99m sulfur colloid, Ertzner TW; Sandler MP; Kulkarni MV; et al, *Clin Nucl Med* 1987; 12: 281
- radiopaque suspension of polyvinyl alcohol foam for embolization, Swartz IA; Carrasco CH; Wallace S; et al, *AJR* 1986; 146: 591
- renal vein ethanol concentration during ablation of renal cell carcinoma, Haapanen AA; Dean PB, *Cardiovasc Intervent Radiol* 1986; 9: 205
- retrievable Gianturco-coil introducer, Hawkins J; Quisling RG; Mickle JP; Hawkins IF, *Radiology* 1986; 158: 262
- serial embolizations of an extremity arteriovenous malformation with alcohol via direct percutaneous puncture, Yakes WF; Pevsner P; Reed M; et al, *AJR* 1986; 146: 1038
- spinal arteriovenous malformations: advances in therapeutic embolization, Theron J; Cosgrove R; Melanson D; Ethier R, *Radiology* 1986; 158: 163
- splanchnic artery aneurysms and pseudoaneurysms: transcatheter embolization, Baker KS; Tisnado J; Cho S-R; Beachley MC, *Radiology* 1987; 163: 135
- steel occlusion coils: pretreatment with thrombin, McLean GK; Stein EJ; Burke DR; Meranze SG, *Radiology* 1986; 158: 549
- superior mesenteric artery balloon occlusion: a nonoperative model of small bowel ischemia in dogs, Cohen JR; Leal J; Pillari G; et al, *Invest Radiol* 1987; 22: 871
- surgery for pulmonary aspergilloma: preoperative embolization of the bronchial circulation, (ab), Hughes CF; Waugh R; Lindsay D, *Radiology* 1986; 161: 574
- systemic-to-pulmonary collateral vessels and shunts: treatment with embolization, Lois JF; Gomes AS; Smith DC; Laks H, *Radiology* 1988; 169: 671
- transcatheter arterial embolization in hepatoma complicated with obstructive jaundice, Nakao N; Ishikura R; Miura K; et al, *Cardiovasc Intervent Radiol* 1987; 10: 40
- transcatheter embolisation of arterial aneurysms, Uflacker R, *Br J Radiol* 1986; 59: 317
- transcatheter embolization for treatment of acute lower gastrointestinal bleeding, Uflacker R, *Acta Radiol* 1987; 28: 425
- transcatheter embolization in the management of pulmonary hemorrhage, Rabkin JE; Astafiev VI; Goshman LN; Grigorjev YG, *Radiology* 1987; 163: 361
- transcatheter embolization in the management of pulmonary hemorrhage, Vujic I, *Radiology* 1987; 164: 879
- transcatheter embolization of uterine arteriovenous malformations, Wilms GE; Favril A; Baert AL; et al, *Cardiovasc Intervent Radiol* 1986; 9: 61
- transcatheter embolotherapy of massive bleeding after surgery for benign gynecologic disorders, Finnegan MF; Tisnado J; Berzindjian DR; et al, *J Canad Assoc Radiol* 1988; 39: 172
- treatment of false aneurysm by using a detachable balloon, Sharma RP; Shetty PC; Burke TH; et al, *AJR* 1987; 149: 1279
- urgent and emergent embolization of lesions of the head and neck in children: indications and results, (ab), Burrows PE; Lasjaunias P; Ter Brugge KG; et al, *Radiology* 1988; 167: 888
- use of an open-ended guidewire: steerable microguidewire assembly system in surgical neuroangiographic procedures, Jungreis CA; Berenstein A; Choi IS, *AJNR* 1987; 8: 237
- ### Arteries, tibial
- See also Arteries, extremities
- intraarterial fibrinolytic therapy for popliteal and tibial artery obstruction: comparison of streptokinase and urokinase, Traugott PD; Cook PS; Micklos TJ; et al, *AJR* 1987; 149: 453
- percutaneous transluminal angioplasty of infrapopliteal vessels: preliminary results and technical considerations, Brown KT; Schoenberg NY; Moore ED; Saddekni S, *Radiology* 1988; 169: 75
- traumatic pseudoaneurysm of the anterior tibial artery simulating soft tissue malignancy, Dominguez R; de Santos LA, *Skeletal Radiol* 1986; 15: 622
- ### Arteries, transluminal angioplasty
- See also Arteries, laser angioplasty
- angioplastie endo-luminale percutanee des arteres vertebrales et sous-clavieres: confrontation angio-velocimetrique (percutaneous transluminal angioplasty of the vertebral and subclavian arteries: an angiographic-velocimetry comparison), Tournade A; Zenglein JF; Braun JP; et al, *J Neuroradiol* 1986; 13: 95
- angioplasty-related iliac artery rupture: treatment by temporary balloon occlusion, Joseph N; Levy E; Lipman S, *Cardiovasc Intervent Radiol* 1987; 10: 276
- arterial occlusive disease below the knee: treatment with percutaneous transluminal angioplasty performed with low-profile catheters and steerable guide wires, Schwartz DE; Cutcliffe WB, *Radiology* 1988; 169: 71
- atherosclerotic rabbit aorta: expandable intraluminal grafting, Palmaz JC; Windeler SA; Garcia F; Tio FO; Sibbitt RR; Reuter SR, *Radiology* 1986; 160: 723
- balloon-dilatatable arterial banding prosthesis: experimental study, Vince DJ; Culham JAG; Taylor GP, *Radiology* 1987; 164: 141
- balloon embolectomy catheter used percutaneously, Zimmerman JJ; Cipriano PR; Hayden WG; Fogarty TJ, *Radiology* 1986; 158: 260
- balloon embolectomy catheter used percutaneously, McDermott JC; Crummy AB; Starck EE, *Radiology* 1986; 160: 279
- balloon embolectomy catheter used percutaneously: reply, Cipriano PR, *Radiology* 1986; 160: 279
- balloon-expandable intravascular stent, Palmaz JC, *AJR* 1988; 150: 1263
- blue digit syndrome: treatment with percutaneous transluminal angioplasty, Kumpe DA; Zwerdlinger S; Griffin DJ, *Radiology* 1988; 166: 37
- blue toe syndrome: treatment with anticoagulants and delayed percutaneous transluminal angioplasty, Brewer ML; Kinnison ML; Perler BA; White RI Jr, *Radiology* 1988; 166: 31
- brachiocephalic artery dilation by percutaneous transluminal angioplasty, Vitek JJ; Keller FS; Duvall ER; Gupta KL; Chandra-Sekar B, *Radiology* 1986; 158: 779
- combined antegrade-retrograde catheterization of the occluded common iliac artery prior to angioplasty, Saibil EA; Maggisano R, *J Canad Assoc Radiol* 1988; 39: 228
- common iliac artery occlusion: treatment with pull-through angioplasty, Loose HW; Ryall CJ, *Radiology* 1988; 168: 273
- comparison of the costs of vascular surgery and balloon dilatation in lower limb ischaemic disease, Jeans WD; Danton RM; Baird RN; et al, *Br J Radiol* 1986; 59: 453
- complications after percutaneous transluminal angioplasty of peripheral and renal arteries, Bergqvist D; Jonasson K; Weibull H, *Acta Radiol* 1987; 28: 3
- complications after percutaneous transluminal angioplasty in the iliac, femoral, and popliteal arteries, (ab), Weibull H; Bergqvist D; Jonasson K; et al, *Radiology* 1987; 165: 885
- complications of transluminal angioplasty, Gardiner GA Jr; Meyerovitz MF; Stokes KR; Clouse ME; Harrington DP; Bettmann MA, *Radiology* 1986; 159: 201
- complications of transluminal angioplasty, McDermott JC; Crummy AB; Voegeli DR; Starck EE, *Radiology* 1987; 162: 286
- complications of transluminal angioplasty: reply, Gardiner GA Jr; Meyerovitz MF; Harrington DP, *Radiology* 1987; 162: 287
- direct argon laser exposure for recanalization of peripheral arteries: early results, Nordstrom LA; Castaneda-Zuniga WR; Young EG; Von Seggern KB, *Radiology* 1988; 168: 359
- effects of angioplasty balloon inflation time on arterial contractions and mechanics, Consigny PM; LeVein RF, *Invest Radiol* 1988; 23: 271
- effects of introducing balloon dilatation into vascular surgical practice, Jeans WD; Danton RM; Baird RN; et al, *Br J Radiol* 1986; 59: 457
- elastic characteristics of the self-expanding metallic stents, Fallone BG; Wallace S; Gianturco C, *Invest Radiol* 1988; 23: 370
- geometry of triple-balloon dilation, Gaylor GM; Pritchard WF; Chuang VP; Casarella WJ; Sprawls P, *Radiology* 1988; 166: 541
- guided direct antegrade puncture of the superficial femoral artery, Berman HL; Katz SG; Tihansky DP, *AJR* 1986; 147: 632
- guide wire angioplasty balloon catheter: preliminary report, Tegtmeyer CJ, *Radiology* 1988; 169: 253
- has the time come for outpatient peripheral angioplasty?, Redman HC, *AJR* 1987; 148: 1241
- hemodynamic effect of percutaneous transluminal angioplasty for lower limb atherosclerosis: a study based on pulsed Doppler ultrasound flowmetry, Jørgensen JJ; Strandén E; Gjörlberg T, *Acta Radiol* 1987; 28: 761
- improvement after successful percutaneous transluminal dilation treatment of occlusive peripheral arterial disease, (ab), Morin JF; Johnston KW; Rae M, *Radiology* 1987; 163: 836
- interventional radiology: reflections and expectations, the 1985 Eugene F. Pendergrass New Horizons Lecture, White RI Jr, *Radiology* 1987; 162: 593
- intestinal angina: percutaneous transluminal angioplasty of the celiac and superior mesenteric arteries, Odurny A; Sniderman KW; Colapinto RF, *Radiology* 1988; 167: 59
- intraarterial fibrinolysis: long-term results, Lammer J; Pilger E; Neumayer K; Schreyer H, *Radiology* 1986; 161: 159
- intraluminal stents in atherosclerotic iliac artery stenosis: preliminary report of a multicenter study, Palmaz JC; Richter GM; Noeldge G; Schatz RA; Robinson PD; Gardiner GA Jr; Becker GJ; McLean GK; Denny DF Jr; Lammer J; Paolini RM; Rees CR; Alvarado R; Heiss HW; Root HD; Rogers W, *Radiology* 1988; 168: 727
- intraoperative angioplasty, Wilms GE; Nevelsteen A; Baert AL; et al, *Cardiovasc Intervent Radiol* 1987; 10: 8
- intraoperative transluminal balloon dilatation permits simpler safer reconstruction surgery, McMillan FJ; Collin J; Fletcher EW, *Clin Radiol* 1988; 39: 91
- intrathoracic interventional vascular techniques in congenital cardiovascular disease, Kaufman SL, *J Thorac Imag* 1987; 2: 1

Arteries, transluminal angioplasty

- introduction: beginning of cardiovascular intervention using roentgen rays and image intensifier-TV-fluoroscopy, Zeiter E, *Cardiovasc Intervent Radiol* 1986; 9: 233
- laser and balloon angioplasty in chronic occlusion of femoral artery in a canine model, (ab), Jain AC, Dedhia HV, Savrin RA, et al, *Radiology* 1987; 162: 294
- laser angioplasty: controlled delivery of argon laser energy, Nordstrom LA; Castaneda-Zuniga WR; Lindeke CC; Rasmussen TM; Burnside DK, *Radiology* 1988; 167: 463
- laser-assisted percutaneous angioplasty: initial clinical experience in peripheral arteries, Cumberland DC; Taylor DI; Procter AE, *Clin Radiol* 1986; 37: 423
- light and electron microscopic observations in atherosclerotic rabbits following experimental transluminal angioplasty, Korogi Y; Takahashi M, *Acta Radiol* 1987; 28: 323
- local thrombolysis in femoropopliteal occlusion: early and late results, Wilms GE; Verhaeghe RH; Pouillon MM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 272
- long-segment femoropopliteal stenoses: is angioplasty a boon or a bust?, Murray RR Jr; Hewes RC; White RI Jr; Mitchell SE; Auster M; Chang R; Kadir S; Kinnison ML; Kaufman SL, *Radiology* 1987; 162: 473
- long-term results of superficial femoral artery angioplasty, Hewes RC; White RI Jr; Murray RR; et al, *AJR* 1986; 146: 1025
- neuroradiology. RSNA '87 meeting notes, Kieffer SA; Segall HD; Modic MT; Drayer BF, *Radiology* 1988; 166: 604
- new catheter for endovascular interventional procedures, Kikuchi Y; Strother CM; Boyer M, *Radiology* 1987; 165: 870
- newly designed angioplasty catheter: "the Gemini balloon", Wholey MH, *Cardiovasc Intervent Radiol* 1988; 11: 42
- normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting, Palmaz JC; Kopp DT; Hayashi H; Schatz RA; Hunter G; Tio FO; Garcia O; Alvarado R; Rees C; Thomas SC, *Radiology* 1987; 164: 705
- occlusion during iliac angioplasty: a salvageable complication, Train JS; Dan SJ; Mitty HA; Dikman SH; Harrington EB; Miller CM; Jacobson JH II, *Radiology* 1988; 168: 131
- outpatient peripheral angioplasty: survey of complications and patients' perceptions, Lemarble L; Hudon G; Coche G; et al, *AJR* 1987; 148: 1239
- Palmaz stent: a possible technique for prevention of postangioplasty restenosis, Levin DC, *Radiology* 1988; 168: 873
- percutaneous laser thermal angioplasty: initial results and 1-year follow-up in 129 femoropopliteal lesions, Sanborn TA; Cumberland DC; Greenfield AJ; Welsh CL; Guben JK, *Radiology* 1988; 168: 121
- percutaneous recanalization of total iliac and femoro-popliteal artery occlusions, Graziani L, *Eur J Radiol* 1987; 7: 91
- percutaneous transluminal angioplasty and valvectomy in a failing in situ saphenous graft, Becker GJ; Wenker JC; Rees CR; Reilly MK; Bendick PJ; Cockerill EM, *Radiology* 1986; 159: 431
- percutaneous transluminal angioplasty below the knee: new techniques, excellent results, Casarella WJ, *Radiology* 1988; 169: 271
- percutaneous transluminal angioplasty (dilatation) of carotid, vertebral, and innominate artery stenoses, Kachel R; Endert G; Basche S; et al, *Cardiovasc Intervent Radiol* 1987; 10: 142
- percutaneous transluminal angioplasty for renovascular hypertension, (ab), Awazu M; Shimizu M; Hojo H; et al, *Radiology* 1986; 160: 288
- percutaneous transluminal angioplasty of infrapopliteal vessels: preliminary results and technical considerations, Brown KT; Schoenberg NY; Moore ED; Saddekni S, *Radiology* 1988; 169: 75
- percutaneous transluminal angioplasty of splenic arteries: an alternative method to elective revascularization in chronic visceral ischaemia, Levy PJ; Haskell L; Gordon RL, *Eur J Radiol* 1987; 7: 239
- percutaneous transluminal angioplasty of subclavian arteries, Burke DR; Gordon RL; Mishkin JD; McLean GK; Meranze SG, *Radiology* 1987; 164: 699
- percutaneous transluminal angioplasty of the renal arteries: double-catheter technique, Baker KS; Sawyer RW; Tisnado J; Cho S-R, *Radiology* 1986; 159: 554
- percutaneous transluminal angioplasty of the subclavian artery: early and late results, Wilms GE; Baert AL; Dewaele D; et al, *Cardiovasc Intervent Radiol* 1987; 10: 123
- percutaneous transluminal angioplasty of the superficial femoral artery by retrograde catheterization via the popliteal artery, Tynnesen KH; Sager P; Karle A; et al, *Cardiovasc Intervent Radiol* 1988; 11: 127
- percutaneous transluminal angioplasty prior to carotid cavernous fistula embolization, Pilla TJ; Tantanu S; Smith KR, *AJNR* 1988; 9: 789
- percutaneous transluminal laser angioplasty with contact probes, Lammner J; Karmel F, *Radiology* 1988; 168: 733
- percutaneous transluminal recanalization of common iliac artery occlusions, Rubinstein ZJ; Morag B; Peer A; et al, *Cardiovasc Intervent Radiol* 1987; 10: 16
- percutaneous transluminal renal angioplasty in children and adolescents, Mali WPTM; Puiglaert CBA; Kowenbergh HJ; Klinge J; Donckerwolcke RAMG; Geijskes BG; Overbosch EH; Rosenbusch GJE; Ludwig WW; Feldberg MAM, *Radiology* 1987; 165: 391
- peripheral angioplasty and the newer circulatory interventions: whose responsibility?, Becker GJ; Katzen BT, *AJR* 1988; 150: 1235
- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Mietaschek A; Bruckl R, *Radiology* 1987; 163: 753
- persistent plaque following successful angioplasty: demonstration by Doppler duplex, Rosner NH; Doris PE, *J Ultrasound Med* 1986; 5: 107
- place of percutaneous transluminal angioplasty in the treatment of patients having angiography for ischaemic disease of the lower limb, McLean L; Jeans WD; Horrocks M; et al, *Clin Radiol* 1987; 38: 157
- prospective study of percutaneous transluminal angioplasty, (ab), Johnston KW; Rae M; Hogg-Johnson SA; et al, *Radiology* 1988; 167: 294
- recanalization of obstructed arteries with a flexible, rotating tip catheter, Kensey KR; Nash JE; Abrahams C; Zarins CK, *Radiology* 1987; 165: 387
- removal of focal atheromatous lesions by angiographically guided high-speed rotary atherectomy: preliminary experimental observations, (ab), Ahn SS; Auth D; Marcus DR; et al, *Radiology* 1988; 168: 589
- retained percutaneous transluminal coronary angioplasty equipment components and their management, (ab), Hartzler GO; Rutherford BD; McConahay DR, *Radiology* 1988; 168: 590
- selective thrombolysis with low-dose urokinase in chronic arteriosclerotic obstructions, Lupattelli L; Barzi F; Cornelli P; et al, *Cardiovasc Intervent Radiol* 1988; 11: 123
- self-expanding endovascular prosthesis: an experimental study, Rousseau H; Puel J; Joffre F; Sigwart U; Dubouché C; Imbert C; Knight C; Kropf L; Wallsten H, *Radiology* 1987; 164: 709
- Simpson catheter for percutaneous transluminal removal of atheroma, Schwarten DE; Katzen BT; Simpson JB; et al, *AJR* 1988; 150: 799
- Society of Cardiovascular and Interventional Radiology: credentials criteria for peripheral, renal, and visceral percutaneous transluminal angioplasty, Waltman AC; Katzen BT; Ring EJ; Martin EC; Sos TA; Tegtmeyer CJ, *Radiology* 1988; 167: 452
- stenoses in dialysis fistulas: treatment with percutaneous angioplasty, Saeed M; Newman GE; McCann RL; Sussman SK; Braun SD; Dunnick NR, *Radiology* 1987; 164: 693
- streamlining operation of an admitting service for interventional radiology, White RI Jr; Rizer DM; Shuman KR; White EJ; Adams PE; Kinnison ML; Mitchell SE; Osterman FA Jr, *Radiology* 1988; 168: 127
- subclavian artery steal syndrome: treatment by percutaneous transluminal angioplasty, Erstein RA; Wholey MH; Smoot S, *AJR* 1988; 151: 291
- technique and results of "low-dose" infusion, Katzen BT, *Cardiovasc Intervent Radiol* 1988; 11: 541
- thermodynamic correlates of hot tip laser angioplasty, Labs JD; White RI Jr; Anderson JH; et al, *Invest Radiol* 1987; 22: 954
- transluminal angioplasty of complete iliac obstructions, Colapinto RF; Stronell RD; Johnston WK, *AJR* 1986; 146: 859
- transluminal angioplasty of the hypogastric artery for treatment of buttock claudication, Morse SS; Cambria R; Strauss EB; et al, *Cardiovasc Intervent Radiol* 1986; 9: 136
- transluminal angioplasty of the vertebral and basilar artery, Higashida RT; Hieshima GB; Tsai FY; et al, *AJNR* 1987; 8: 745
- treatment of angioplasty-related iliac-artery rupture without bypass surgery (case report), Villarica J; Gross RC, *AJR* 1986; 147: 389
- "washout" technique for brachiocephalic angioplasty, Derauf BJ; Erickson DL; Castaneda-Zuniga WR; et al, *AJR* 1986; 146: 849
- wire-loop technique for angioplasty of total iliac artery occlusions, Gaines PA; Cumberland DC, *Radiology* 1988; 168: 275

Arteries, umbilical

- comparison of Doppler ultrasound waveform indices in the umbilical artery—I. indices derived from the maximum velocity waveform, Thompson RS; Trudinger BJ; Cook CM, *Ultrasound Med Biol* 1986; 12: 835
- comparison of Doppler ultrasound waveform indices in the umbilical artery—II. indices derived from the mean velocity and first moment waveforms, Thompson RS; Trudinger BJ; Cook CM, *Ultrasound Med Biol* 1986; 12: 845
- Doppler evaluation of umbilical venous and arterial blood flow in the second and third trimesters of normal pregnancy, (ab), Gerson AG; Wallace DM; Stiller RJ; et al, *Radiology* 1988; 166: 911
- neonatal umbilical artery pseudoaneurysm: sonographic evaluation (case report), Katz ME; Perlman JM; Tack ED; et al, *AJR* 1986; 147: 322
- noninvasive evaluation of neonatal aortic thrombosis secondary to umbilical artery catheterization, Fellmeth BD; Sandler MP; Thieme GA; et al, *AJR* 1986; 146: 619
- significance of an absent or reversed end diastolic flow in Doppler umbilical artery waveforms, Woo JSK; Liang ST; Lo RLS, *J Ultrasound Med* 1987; 6: 291
- significance of a single umbilical artery in fetuses with central nervous system malformations, Nyberg DA; Shepard T; Mack LA; et al, *J Ultrasound Med* 1988; 7: 265
- sonographic detection of neonatal umbilical artery thrombosis: clinical correlation, Seibert JJ; Taylor BJ; Williamson SL; et al, *AJR* 1987; 148: 965

Arteries, US studies

- cardiovascular applications of multi-gate pulsed Doppler systems, Reneman RS; van Merode T; Hick P; et al, *Ultrasound Med Biol* 1986; 12: 357
- computed tomography and sonography of cystic adventitial disease, Fitzjohn TP; White FE; Loose HW; et al, *Br J Radiol* 1986; 59: 933
- cranial duplex sonography of the infant, Grant EG; White EM; Schellinger D; Choyke PL; Sarcone AL, *Radiology* 1987; 163: 177
- distinction between femoral artery pseudoaneurysms and other causes of groin masses: value of duplex Doppler sonography, Helvie MA; Rubin JM; Silver TM; et al, *AJR* 1988; 150: 1177

- Doppler ultrasound assessment of the femoropopliteal segment: comparison of different methods using ROC curve analysis. Baker AR; Prytherch DR; Evans DH; et al. *Ultrasound Med Biol* 1986; 12: 473
- false aneurysm of the femoral artery: computed tomographic and ultrasound appearances. Fitzgerald EJ; Bowsher WG; Ruttley MST. *Clin Radiol* 1986; 37: 585
- feasibility of high-resolution, intravascular ultrasound imaging catheters. Meyer CR; Chiang EH; Fechner KP; Fitting DW; Williams DM; Buda AJ. *Radiology* 1988; 166: 113
- femoral artery pseudoaneurysm: diagnosis with conventional duplex and color Doppler US. Mitchell DG; Needleman L; Bezzi M; Goldberg BB; Kurtz AB; Pennell RG; Rifkin MD; Vilaro M; Baltarovich OH. *Radiology* 1987; 165: 687
- flow velocity in cerebral arteries in the newborn. van Bel F. *Radiology* 1988; 166: 904
- flow velocity in cerebral arteries in the newborn: reply. Grant E. *Radiology* 1988; 166: 905
- intra-arterial ultrasonic imaging for recanalization by spark erosion. Bom N; Slager CJ; van Egmond FC; et al. *Ultrasound Med Biol* 1988; 14: 257
- peripheral arterial duplex scanning. Moneta GL; Strandén DE Jr. *JCU* 1987; 15: 645
- peripheral pseudoaneurysms: evaluation with duplex US. Coughlin BF; Paushter DM. *Radiology* 1988; 168: 339
- replaced or right accessory hepatic artery: can ultrasound replace angiography? Bret PM; Reinhold C; Herba M; et al. *JCU* 1988; 16: 245
- role of the intimal flap in arterial dissection: sonographic demonstration. Kotval PS; Babu SC; Fakhr J; et al. *AJR* 1988; 150: 1181
- some failings of pulsatility index and damping factor. Baker AR; Evans DH; Prytherch DR; et al. *Ultrasound Med Biol* 1986; 12: 875
- sonography of the radial artery at the wrist. Gooding GAW. *AJR* 1988; 150: 629
- splenic artery and superior mesenteric artery blood flow: nonsurgical Doppler US measurements in healthy subjects and patients with chronic liver disease. Sato S; Ohnishi K; Sugita S; Okuda K. *Radiology* 1987; 164: 347
- stability of flow patterns in the *in vivo* post-stenotic velocity field. Hutchison KJ; Karpinski E. *Ultrasound Med Biol* 1988; 14: 269
- system for rapid analysis of the femoral blood velocity waveform at the bedside. Capper WL; Amoreo JN; Clifford PC; et al. *Ultrasound Med Biol* 1986; 12: 31
- "to-and-fro" sign: duplex Doppler evidence of femoral artery pseudoaneurysm. Abu-Yousef MM; Wiese JA; Shamma AR. *AJR* 1988; 150: 632
- ultrasound diagnosis of profunda femoris pseudo-aneurysm following nail-plate fixation of a transcervical femoral fracture. Ritchie DA; Hill D; Fullarton GM; et al. *Br J Radiol* 1987; 60: 502
- ultrasound in the study of atherosclerosis. Strandén DE Jr. *Ultrasound Med Biol* 1986; 12: 453
- ultrasound visualization of a mycotic left gastric aneurysm. Arenson AM; Huang SN; McKee JD. *J Canad Assoc Radiol* 1986; 37: 285
- vector based approach to age-related changes of Doppler velocity waveforms in the brachial artery. Golczewski T; Krajewski A. *Ultrasound Med Biol* 1987; 13: 15
- Arteries, vertebral**
See Vertebral arteries
- Arteries, vertebrobasilar**
cerebral angiography in brainstem revascularization. Jack CR Jr; Boulos RS; Mehta BA; et al. *AJNR* 1987; 8: 211
- high-resolution computed tomography of the basilar artery: 2. vertebrobasilar dolichoectasia: clinical-pathologic correlation and review. Smoker WRK; Corbett JJ; Gentry LR; et al. *AJNR* 1986; 7: 61
- Arteriography**
See Angiography
- Arteriosclerosis**
accuracy of digital subtraction angiography for the quantification of atherosclerosis. Key H; Jackson PC; Thomas EA; et al. *Br J Radiol* 1987; 60: 1063
- aortic distensibility abnormalities in coronary artery disease. (ab). Stephanadis C; Bush CA; Kalibash AJ; et al. *Radiology* 1988; 166: 588
- arterio-venous shunting complicating occlusive atherosclerotic peripheral vascular disease. Vallance R; Quin RO; Forrest H. *Clin Radiol* 1986; 37: 389
- atherosclerotic plaque at the carotid artery bifurcation: correlation of ultrasonographic imaging with morphology. Weinberger J; Marks SJ; Gaul JJ; et al. *J Ultrasound Med* 1987; 6: 363
- atherosclerotic rabbit aorta: expandable intraluminal grafting. Palmaz JC; Windeler SA; Garcia F; Tio FO; Sibbitt RR; Reuter SR. *Radiology* 1986; 160: 723
- complex and simple coronary artery stenoses: a new way to interpret coronary angiograms based on morphologic features of lesions. Levin DC; Gardiner GA Jr. *Radiology* 1987; 164: 675
- computed tomography of aortic atherosclerosis. (ab). Limpert JD; Vogelzang RL; Yao JST. *Radiology* 1988; 166: 293
- computerized tomographic findings and differential diagnostic considerations in subcortical arteriosclerotic encephalopathy (Binswanger's disease). Weisberg LA; Gerard G; Stazio A. *Comput Med Imag Graph* 1988; 12: 249
- direct argon laser exposure for recanalization of peripheral arteries: early results. Nordstrom LA; Castaneda-Zuniga WR; Young EG; Von Seggern KB. *Radiology* 1988; 168: 359
- evaluation of frequency dependence of backscatter coefficient in normal and atherosclerotic aortic walls. Landini L; Sarnelli R; Picano E; et al. *Ultrasound Med Biol* 1986; 12: 397
- hemodynamic effect of percutaneous transluminal angioplasty for lower limb atherosclerosis: a study based on pulsed Doppler ultrasound flowmetry. Jørgensen JJ; Strandén E; Gyllberg T. *Acta Radiol* 1987; 28: 761
- high-resolution ¹H NMR spectral signature from human atheroma. Pearlman JD; Zajick J; Merickel MB; et al. *Magn Res Med* 1988; 7: 262
- imaging of the aging brain: part I. normal findings. Drayer BP. *Radiology* 1988; 166: 785
- iodine-125 cholesteryl iopanoate for measuring extent of atherosclerosis in rabbits. DeGalan MR; Schwendner SW; Skinner RWS; et al. *J Nucl Med* 1988; 29: 503
- iodine-131-labeled fibrinectin: potential agent for imaging atherosclerotic lesion and thrombus. Uehara A; Isaka Y; Hashikawa K; et al. *J Nucl Med* 1988; 29: 1264
- laser angioplasty: controlled delivery of argon laser energy. Nordstrom LA; Castaneda-Zuniga WR; Lindeke CC; Rasmussen TM; Burnside DK. *Radiology* 1988; 167: 463
- light and electron microscopic observations in atherosclerotic rabbits following experimental transluminal angioplasty. Korogi Y; Takahashi M. *Acta Radiol* 1987; 28: 323
- magnetic resonance applications in atherosclerotic vascular disease. Wesbey GE; Higgins CB; Hale JD; et al. *Cardiovasc Intervent Radiol* 1986; 8: 342
- MR imaging of aortic atherosclerosis with 3D image reconstruction. Valk PE; Hale JD; Crooks LE; et al. *JCAT* 1986; 10: 439
- percutaneous angioplasty of atherosclerotic and posturgical stenosis of carotid arteries. Theron J; Raymond J; Casasco A; et al. *AJNR* 1987; 8: 495
- percutaneous atheroma removal using a wire basket. Kim D; Turkel DH; Orron DE; et al. *AJR* 1987; 149: 625
- percutaneous laser treatment of atherosclerosis: overview of emerging techniques. Spears JR. *Cardiovasc Intervent Radiol* 1986; 8: 303
- proton relaxation times in arterial wall and atheromatous lesions in man. Soila K; Nummi P; Ekfors T; et al. *Invest Radiol* 1986; 21: 411
- quantitation of atherosclerosis in femoral arteriography with ECG gated exposures. Nilsson S; Berglund I; Bylund H; et al. *Acta Radiol* 1988; 29: 311
- removal of focal atheromatous lesions by angiographically guided high-speed rotary atherectomy: preliminary experimental observations. (ab). Ahn SS; Auth D; Marcus DR; et al. *Radiology* 1988; 166: 589
- renal failure and advanced atherosclerotic lesions: salvage by vascular reconstruction. (ab). Elmore JR; Ray FS; Dillihunt RC; et al. *Radiology* 1988; 169: 288
- repeat femoral arteriography in hyperlipidemic patients: a study of progression and regression of atherosclerosis. Erikson U; Helmius G; Hemmingsson A; et al. *Acta Radiol* 1988; 29: 303
- selective thrombolysis with low-dose urokinase in chronic arteriosclerotic obstructions. Lupatelli L; Barzi F; Corneli P; et al. *Cardiovasc Intervent Radiol* 1988; 11: 123
- subcortical arteriosclerotic encephalopathy: CT spectrum and pathologic correlation. Lotz PR; Ballinger WE Jr; Quisling RG. *AJNR* 1986; 7: 817
- surgically treatable lesions of the extracranial circulation, including the vertebral artery. Smullens SN. *Radiol Clin North Am* 1986; 24: 453
- ultrasound in the study of atherosclerosis. Strandén DE Jr. *Ultrasound Med Biol* 1986; 12: 453
- Arteriovenous malformations**
arteriovenous malformations—a summary of 6 cases treated with radiation therapy. Poulsen MG. *Int J Radiat Oncol Biol Phys* 1987; 13: 1553
- complications of embolization: analysis of 410 procedures. Hemingway AP; Allison DJ. *Radiology* 1988; 166: 669
- differential diagnosis between Kaposi's sarcoma and pseudo-Kaposi's arteriovenous malformation by scintigraphy. Zaltzman S; Ophir J; Brenner S. *Clin Nucl Med* 1986; 11: 556
- double intracranial arteriovenous malformation in the same patient. Romero FJ; Ibarra B; Rovira M. *Neuroradiol* 1988; 30: 87
- high-flow-rate arteriovenous malformation model for simulated therapeutic embolization. Bartynski WS; O'Reilly GV; Forrest MD. *Radiology* 1988; 167: 419
- magnetic resonance appearance of slow flow vascular malformations of the brainstem. Griffin C; DeLaPaz R; Enzmann D. *Neuroradiol* 1987; 29: 506
- management of arteriovenous malformations of the brain stem. (ab). Solomon RA; Stein BM. *Radiology* 1987; 163: 295
- MRI of angiographically occult vascular malformations. Lemme-Flahogs L; Kucharczyk W; Brant-Zawadzki M; et al. *AJR* 1986; 146: 1223
- pathology of encephalic arteriovenous malformations treated by prior embolotherapy. Lanman TH; Martin NA; Vinters HV. *Neuroradiol* 1988; 30: 1
- pulmonary arteriovenous malformations: techniques and long-term outcome of embolotherapy. White RI Jr; Lynch-Nyhan A; Terry P; Buescher PC; Farmlett EJ; Charnas L; Shuman KR; Kim W; Kinnison ML; Mitchell SE. *Radiology* 1988; 169: 663
- size determination of supratentorial arteriovenous malformations by MR, CT and angio. Noorbehesht B; Fabrikant JJ; Enzmann DR. *Neuroradiol* 1987; 29: 512
- un cas d'exophtalmie par MAV de la région de l'ampoule de Galien a drainage veineux ophtalmique: traitement par voie endovasculaire (case of exophthalmos due to an AVM in Galien's vein area with ophthalmic venous drainage: treatment by the endovascular route). Laurent A; Guimaraens L; Rufenacht D; et al. *J Neuroradiol* 1986; 13: 181
- vascular malformations of the posterior fossa: clinical and radiologic features. (ab). Silber MH; Sandok BA; Earnest F IV. *Radiology* 1988; 166: 914
- Arteriovenous malformations, cerebral**
angiographic follow-up of large cerebral AVMs incompletely embolized with isobutyl-2-cyanoacrylate. Vinuela FV; Fox AJ; Pelz DM; et al. *AJNR* 1986; 7: 919
- cerebral hemodynamics in arteriovenous malformations: evaluation by single-photon emission CT. Takeuchi S; Kikuchi H; Karasawa J; et al. *AJNR* 1987; 8: 193

- detection of intracranial arteriovenous malformation by Doppler ultrasound of the extracranial carotid circulation, Lichtman JB; Kibble MB, *J Ultrasound Med* 1987; 6: 609
- direct catheter redirection of a symptomatic errant intracranial Silastic sphere embolus, Russell EJ; Levy JM, *Radiology* 1987; 165: 631
- dystrophic intracranial calcification: CT evidence of 'cerebral steal' from arteriovenous malformation, Yu YL; Chiu EKW; Woo E; et al, *Neuroradiol* 1987; 29: 519
- encephalopathic cerebrovascular steal: dynamic CT of arteriovenous malformations, Jinkins JR, *Neuroradiol* 1988; 30: 201
- endovascular treatment of intracranial AVMs: combined embolization with a multi-purpose mobile-wing microcatheter system, Benati A; Beltramello A; Maschio A; et al, *J Neuroradiol* 1987; 14: 99
- gas CT cinematography of trigeminal neuralgia caused by AVM of the cerebellopontine angle, Kawano H; Hayashi M; Kobayashi H; et al, *AJNR* 1987; 8: 161
- intracranial vascular malformations and aneurysms: current imaging applications, Atlas SW, *Radiol Clin North Am* 1988; 26: 821
- intracranial vascular malformations: imaging of charged-particle radiosurgery. part I. results of therapy, Marks MP; Delapaz RL; Fabrikant JL; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 447
- intracranial vascular malformations: imaging of charged-particle radiosurgery. part II. complications, Marks MP; Delapaz RL; Fabrikant JL; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 457
- magnetic resonance imaging (MRI) in the diagnosis of cerebral arteriovenous angiomas, Schorner W; Bradac GB; Treisch J; et al, *Neuroradiol* 1986; 28: 313
- morphological studies of human arteriovenous malformations: effects of isobutyl 2-cyanoacrylate embolization, (ab), Klara PM; George ED; McDonnell DE; et al, *Radiology* 1986; 160: 574
- MR and CT of occult vascular malformations of the brain, New PFJ; Ojemann RG; Davis KR; et al, *AJNR* 1986; 7: 771
- MR flow imaging in vascular malformations using gradient recalled acquisition, Needell WM; Maravilla KR, *AJNR* 1988; 9: 637
- MR imaging in the management of supratentorial intracranial AVMs, Smith HJ; Strother CM; Kikuchi Y; et al, *AJNR* 1988; 9: 225
- MR imaging of angiographically occult vascular malformations, Lemme-Plaghos L; Kucharczyk W; Brant-Zawadzki M; et al, *AJNR* 1986; 7: 217
- prenatal diagnosis of arteriovenous malformation of the vein of Galen, Reiter AA; Huhta JC; Carpenter RJ Jr; et al, *JCU* 1986; 14: 623
- preoperative embolization of brain AVMs with isobutyl-2 cyanoacrylate, Pelz DM; Fox AJ; Viñuela F; et al, *AJNR* 1988; 9: 757
- quantification of intracerebral steal in patients with arteriovenous malformation, (ab), Homan RW; Devous MD; Stokely EM; et al, *Radiology* 1987; 162: 295
- radiosurgery for arteriovenous malformations of the brain using a standard linear accelerator: rationale and technique, Saunders WM; Winston KR; Siddons RL; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 441
- treatment of dural arteriovenous malformations involving the superior sagittal sinus, Halbach VV; Higashida RT; Hieshima GB; et al, *AJNR* 1988; 9: 337
- Wyburn-Mason syndrome: report of a rare case with computed tomography and angiographic evaluations, Kikuchi K; Kowada M; Sakamoto T; et al, *CT* 1988; 12: 111
- Arteriovenous malformations, cranial**
- arteriovenous fistula of the internal maxillary artery: treatment with transarterial embolization, Halbach VV; Higashida RT; Hieshima GB; Hardin CW, *Radiology* 1988; 168: 443
- arteriovenous malformation simulating encephalocele: CT findings, Silbergeld R; Gabrielsen TO, *JCAT* 1987; 11: 522
- delayed postoperative dural arteriovenous malformations: report of two cases, (ab), Nabors MW; Azzam CJ; Albanna FJ; et al, *Radiology* 1988; 166: 590
- dural fistulas involving the cavernous sinus: results of treatment in 30 patients, Halbach VV; Higashida RT; Hieshima GB; Reicher MA; Norman D; Newton TH, *Radiology* 1987; 163: 437
- dural fistulas involving the transverse and sigmoid sinuses: results of treatment in 28 patients, Halbach VV; Higashida RT; Hieshima GB; Goto K; Norman D; Newton TH, *Radiology* 1987; 163: 443
- occlusion of arteriovenous malformations of the cavernous sinus via the superior ophthalmic vein, Teng MMH; Guo W-Y; Huang C-I; et al, *AJNR* 1988; 9: 539
- posterior fossa arteriovenous malformations, (ab), Drake CG; Friedman AH; Peerless SJ, *Radiology* 1987; 162: 590
- unusual clinical manifestations of dural arteriovenous malformations, (ab), Vinuela FV; Fox AJ; Pelz DM; et al, *Radiology* 1987; 162: 590
- vascular intracranial lesions: applications of gradient-echo MR imaging, Atlas SW; Mark AS; Fram EK; Grossman RI, *Radiology* 1988; 169: 455
- when should GRASS be used?, Bradley WG, *Radiology* 1988; 169: 574
- Arteriovenous malformations, extremities**
- arteriovenous malformations of the extremities: MR imaging, Cohen JM; Weinreb JC; Redman HC, *Radiology* 1986; 158: 475
- calf muscle arteriovenous malformations detected by technetium-99m erythrocyte venography, O'Donnell C; Andrews J, *Clin Nucl Med* 1988; 13: 86
- congenital arteriovenous malformations: tailored embolotherapy, Widlus DM; Murray RR; White RJ Jr; Osterman FA Jr; Schreiber ER; Satre RW; Mitchell SE; Kaufman SL; Williams GM; Weiland AJ, *Radiology* 1988; 169: 511
- high-field MR surface-coil imaging of the hand and wrist. part II. pathologic correlations and clinical relevance, Weiss KL; Beltran J; Lubbers LM, *Radiology* 1986; 160: 147
- intraosseous arteriovenous malformations mimicking malignant disease, Savader SJ; Savader BL; Otero RR, *Acta Radiol* 1988; 29: 109
- serial embolizations of an extremity arteriovenous malformation with alcohol via direct percutaneous puncture, Yakes WF; Pevsner P; Reed M; et al, *AJR* 1986; 146: 1038
- Arteriovenous malformations, hepatic**
- peripheral embolization of diffuse hepatic arteriovenous malformations in a patient with hereditary hemorrhagic telangiectasia, Derauf BJ; Hunter DW; Sirr SA; et al, *Cardiovasc Intervent Radiol* 1987; 10: 80
- Arteriovenous malformations, intestinal**
- solitary ileal arteriovenous malformation: preoperative localization by coil embolization, Kandarpa K; Fellows KE; Eraklis A; et al, *AJR* 1986; 146: 787
- Arteriovenous malformations, intraosseous**
- embolization of an intraosseous arteriovenous malformation, Nancarrow PA; Lock JE; Fellows KE, *AJR* 1986; 146: 785
- Arteriovenous malformations, pelvic**
- congenital arteriovenous malformations: tailored embolotherapy, Widlus DM; Murray RR; White RJ Jr; Osterman FA Jr; Schreiber ER; Satre RW; Mitchell SE; Kaufman SL; Williams GM; Weiland AJ, *Radiology* 1988; 169: 511
- intraarterial embolization in combination with surgery in the management of congenital pelvic arteriovenous malformation, Van Poppel H; Claes H; Suy R; et al, *Urol Radiol* 1988; 10: 89
- role of CT in the management of pelvic arteriovenous malformations, Fakhri A; Fishman EK; Mitchell SE; et al, *Cardiovasc Intervent Radiol* 1987; 10: 96
- transcatheter embolization of uterine arteriovenous malformations, Wilms GE; Favril A; Baert AL; et al, *Cardiovasc Intervent Radiol* 1986; 9: 61
- Arteriovenous malformations, peribronchial**
- isolated unilateral absence of left pulmonary artery with peribronchial arteriovenous malformation showing recurrent hemoptysis, Taguchi T; Ikeda K; Kume K; et al, *Pediatr Radiol* 1987; 17: 316
- Arteriovenous malformations, pulmonary**
- concomitant pulmonary arteriovenous and inferior vena cava malformations: a case report, Hawass ND; Kolawole TM; Badawi MG, *Eur J Radiol* 1988; 8: 102
- congenital bronchopulmonary vascular malformations: clinical application of a simple anatomical approach in 25 cases, (ab), Clements BS; Warner JO; Shinebourne EA, *Radiology* 1988; 166: 585
- continuum of pulmonary developmental anomalies, Fanicek DM; Heitzman ER; Randall PA; Groskin SA; Chew FS; Lane EJ Jr; Markarian B, *Radiographics* 1987; 7: 747
- diagnosis and quantitation of pulmonary arteriovenous malformations by factor analysis, Villanueva-Meyer J; Marcus C; Thompson K; et al, *Clin Nucl Med* 1986; 11: 88
- intrathoracic interventional vascular techniques in congenital cardiovascular disease, Kaufman SL, *J Thorac Imag* 1987; 2: 1
- MR imaging of low signal intensity pulmonary lesions using flow-sensitive techniques, Brown JJ; Gilbert T; Gamsu G; et al, *JCAT* 1988; 12: 560
- pulmonary arteriovenous malformations: critical update, (ab), Burke CM; Safai C; Nelson DP; et al, *Radiology* 1987; 162: 290
- pulmonary sequestration and related congenital bronchopulmonary-vascular malformations: nomenclature and classification based on anatomical and embryological considerations, (ab), Clements BS; Warner JO, *Radiology* 1988; 166: 909
- Arteriovenous malformations, renal**
- arteriovenous malformations of the kidneys: ablation with alcohol, Takebayashi S; Hosaka M; Ishizuka E; et al, *AJR* 1988; 150: 587
- Arteriovenous malformations, spinal**
- combined arteriovenous malformation and intramedullary lipoma: surgery and embolotherapy, Rice JF; Jelsma RK, *AJNR* 1986; 7: 171
- comparative imaging: spinal vascular malformation, Wells RG; Sty JR; Gregg DC; et al, *Clin Nucl Med* 1988; 13: 533
- diagnosis and treatment of a lumbar extradural arteriovenous malformation, Han SS; Love MB; Simeone FA; et al, *AJNR* 1987; 8: 1129
- dural spinal arteriovenous malformation with epidural venous drainage: case report, Heier LA; Lee BCP, *AJNR* 1987; 8: 561
- embolization of intramedullary arteriovenous malformations of the spinal cord, Horton JA; Latchaw RE; Gold LHA; et al, *AJNR* 1986; 7: 113
- intraoperative sonography of a spinal cord arteriovenous malformation, Rubin JM; Knake JE, *AJNR* 1987; 8: 730
- magnetic resonance imaging of spinal arteriovenous malformations, (ab), Doppman JL; Di Chiro G; Dwyer AJ, *Radiology* 1988; 166: 590
- MR imaging of spinal cord arteriovenous malformations at 0.5 T: study of 34 cases, Dormont D; Gelbert F; Assouline E; et al, *AJNR* 1988; 9: 833
- MRI study of spinal arteriovenous malformations, Dormont D; Assouline E; Gelbert F; et al, *J Neuroradiol* 1987; 14: 351
- myelographic differentiation of spinal cord arteriovenous malformations from the normal population, Gulliver D; Noakes J, *Australas Radiol* 1988; 32: 57
- radiculomeningeal vascular malformations of the spine: MR imaging, Masaryk TJ; Ross JS; Modic MT; Ruff RL; Selman WR; Ratcheson RA, *Radiology* 1987; 164: 845

- sonography of intraoperative spinal arteriovenous malformations, Randal S; Gooding GAW; Dillon WP, J Ultrasound Med 1987; 6: 539
- spinal arteriovenous malformation: MR imaging, Minami S; Sagoh T; Nishimura K; Yamashita K; Fujisawa I; Noma S; Itoh K; Togashi K; Oda Y; Matsumoto M; Yamagata S; Kikuchi H; Nakano Y; Konishi J, Radiology 1988; 169: 109
- ### Arteritis
- CT demonstration of aneurysms in polyarteritis nodosa, Wilms GE; Oyen R; Waer M; et al, JCAT 1986; 10: 513
- CT findings in temporal arteritis: report of two cases, Karacostas D; Taskos N; Tsounis S; et al, Neuroradiol 1986; 28: 373
- cutaneous uptake of gallium-67 in polyarteritis nodosa, Alexander JE; Seibert JJ; Lowe BA, Clin Nucl Med 1987; 12: 883
- fulminant systemic necrotizing arteritis: CT findings, Jaques PF; Parker LA; Mauro MA, JCAT 1988; 12: 104
- incidence of microaneurysms in polyarteritis nodosa, Sellar RJ; Mackay IG; Buist TAS, Cardiovasc Intervent Radiol 1986; 9: 123
- liver transplant rejection arteritis: serial hepatic arteriography, Morse SS; Reuben A; Strauss EB; et al, Cardiovasc Intervent Radiol 1986; 9: 191
- mycotic aneurysm in angitis associated with herpes zoster ophthalmicus, O'Donohue JM; Enzmann DR, AJNR 1987; 8: 615
- percutaneous transluminal angioplasty for renovascular hypertension in arteritis: experience in China, Dong Z-j; Li S; Lu X, Radiology 1987; 162: 477
- pneumatosis intestinalis in a patient with polyarteritis nodosa, Buffo GC; Deitch JS, Gastrointest Radiol 1986; 11: 286
- primary angitis of the central nervous system: report of 8 new cases, review of the literature, and proposal for diagnostic criteria, (ab), Calabrese LH; Mallek JA, Radiology 1988; 169: 295
- successful management of catastrophic gastrointestinal involvement in polyarteritis nodosa, (ab), Karp DR; Kantor OS; Halverson JD; et al, Radiology 1988; 169: 880
- ### Arthritis
- acne-associated spondylarthropathy: radiographic features, Ellis BI; Shier CK; Leisen JC; Kasten DJ; McGoe JW, Radiology 1987; 162: 541
- articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis, Sundaram M, Radiology 1988; 166: 285
- articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis: reply, Naidich JB; Karmel MI; Stein HL; Mossey RT; Bluestone PA, Radiology 1988; 166: 285
- atlantoaxial (C1-C2) facet joint osteoarthritis: a distinctive clinical syndrome, (ab), Halla JT; Hardin JG Jr, Radiology 1987; 165: 886
- clinical evolution of Lyme arthritis, (ab), Steere AC; Schoen RT; Taylor E, Radiology 1988; 167: 887
- cubital tunnel in ulnar entrapment neuropathy, St. John JN; Palmaz JC, Radiology 1986; 158: 119
- development of criteria for the classification and reporting of osteoarthritis: classification of osteoarthritis of the knee, (ab), Altman R; Asch E; Bloch D; et al, Radiology 1987; 162: 589
- diagnosis of sacroiliac joint infection in pregnancy by magnetic resonance imaging, Wilbur AC; Langer BG; Spigos DG, Magn Res Imag 1988; 6: 341
- erosive arthritis of the temporomandibular joint caused by Teflon-Proplast implants: plain film features, Kaplan PA; Ruskin JD; Tu HK; et al, AJR 1988; 151: 337
- MRI in osteoarthritis of the hip: gradations of severity, Li KC; Higgs J; Aisen AM; et al, Magn Res Imag 1988; 6: 229
- osteoarthritis of the sternoclavicular joint: radiographic features and pathologic correlation, Kier R; Wain SL; Apple J; et al, Invest Radiol 1986; 21: 227
- osteoarthropathy of the hand and wrist in patients undergoing long-term hemodialysis, Naidich JB; Karmel MI; Mossey RT; Bluestone PA; Stein HL, Radiology 1987; 164: 205
- osteoid osteoma of the hip stimulating an early onset of osteoarthritis, Norman A; Abdelwahab IF; Buyon J; Matzkin E, Radiology 1986; 158: 417
- perfluorooctylbromide as a contrast agent for computed tomographic imaging of septic and aseptic arthritis, Sartoris DJ; Guerra JJ Jr; Mattrey RF; et al, Invest Radiol 1986; 21: 49
- pinemeth caterpillar disease, Lawson JP; Liu Y-m, Skeletal Radiol 1986; 15: 422
- proteoglycan-induced arthritis in BALB/c mice: clinical features and histopathology, (ab), Glant TT; Mikecz K; Arzoumanian A; et al, Radiology 1987; 164: 886
- radiographic assessment of progression in osteoarthritis, (ab), Altman RD; Fries JF; Block DA; et al, Radiology 1988; 167: 887
- radiographic findings in patients with clinical Tietze syndrome, Jurik AG; Justesen T; Graudal H, Skeletal Radiol 1987; 16: 517
- silicone-induced erosive arthritis: radiologic features in seven cases, Schneider HJ; Weiss MA; Stern PJ, AJR 1987; 148: 923
- spondyloarthropathies, Weissman BN, Radiol Clin North Am 1987; 25: 1235
- spondyloarthropathy from long-term hemodialysis, Naidich JB; Mossey RT; McHaffey-Atkinson B; Karmel MI; Bluestone PA; Mailloux LU; Stein HL, Radiology 1988; 167: 761
- ten-year followup study of patients with Yersinia arthritis, (ab), Leirisalo-Repo M; Suoranta H, Radiology 1988; 169: 696
- undiagnosed chronic monarthritis: clinical and evolutionary profile, (ab), Block KLN; Sibley JT, Radiology 1988; 168: 590
- Wegener's granulomatosis presenting with erosive arthritis, (ab), Jacobs RP; Moore M; Brower A, Radiology 1988; 167: 590
- ### Arthritis, degenerative
- case report 453, Perlman R, Skeletal Radiol 1987; 16: 670
- chondromalacia patellae: assessment with MR imaging, Yulish BS; Montanez J; Goodfellow DB; Bryan PJ; Mulopulos GP; Modic MT, Radiology 1987; 164: 763
- end plate of the discovertebral joint: degenerative change in the elderly adult, Aoki J; Yamamoto I; Kitamura N; Sone T; Itoh H; Torizuka K; Takasu K, Radiology 1987; 164: 411
- normal and degenerative posterior spinal structures: MR imaging, Grenier N; Kressel HY; Schiebler ML; Grossman RI; Dalinka MK, Radiology 1987; 165: 517
- ### Arthritis, in infants and children
- adult-onset Still's disease: disease course and HLA associations, (ab), Wouters JMGW; Reekers P; van de Putte LBA, Radiology 1986; 161: 575
- camptodactyly-arthritis-pericarditis syndrome: case report and literature review, (ab), Laxer RM; Cameron BJ; Chaisson D; et al, Radiology 1986; 161: 575
- changes in the cervical spine in juvenile rheumatoid arthritis, (ab), Hensinger RN; DeVito PD; Ragsdale CG, Radiology 1986; 160: 573
- hypercalciuria in children with juvenile rheumatoid arthritis: association with hematuria, (ab), Stapleton FB; Hanissian AS; Miller LA, Radiology 1986; 158: 283
- infantile-onset multisystem inflammatory disease: radiologic findings, Kaufman RA; Lovell DJ, Radiology 1986; 160: 741
- juvenile rheumatoid arthritis: assessment with MR imaging, Yulish BS; Lieberman JM; Newman AJ; Bryan PJ; Mulopulos GP; Modic MT, Radiology 1987; 165: 149
- MR imaging in juvenile rheumatoid arthritis, Senac MO Jr; Deutsch D; Bernstein BH; et al, AJR 1988; 150: 873
- radionuclide bone/joint imaging in children with rheumatic complaints, Jones MM; Moore WH; Brewer EJ; et al, Skeletal Radiol 1988; 17: 1
- reduced mandibular dimensions and asymmetry in juvenile rheumatoid arthritis: pathogenetic factors, (ab), Stabrun AE; Lorheim TA; Höyeraal HM; et al, Radiology 1988; 169: 888
- spinal cord compression by epidural lipomatosis in juvenile rheumatoid arthritis, (ab), Arroyo IL; Barron KS; Brewer EJ Jr, Radiology 1988; 169: 888
- ### Arthritis, psoriatic
- psoriatic arthritis affecting the manubriosternal joint, (ab), Becker NJ; DeSmet AA; Cathcart-Rake W; et al, Radiology 1987; 162: 589
- radiographic changes in the condyle of the temporomandibular joint in psoriatic arthritis, Kononen M, Acta Radiol 1987; 28: 185
- ### Arthritis, rheumatoid
- abdominal lymphadenopathy in benign diseases: CT detection, Deutsch SJ; Sandler MA; Alpern MB, Radiology 1987; 163: 335
- adult-onset Still's disease: disease course and HLA associations, (ab), Wouters JMGW; Reekers P; van de Putte LBA, Radiology 1986; 161: 575
- American Rheumatism Association 1987 revised criteria for the classification of rheumatoid arthritis, (ab), Arnett FC; Edworthy SM; Bloch DA; et al, Radiology 1988; 169: 885
- bone mass in patients with rheumatoid arthritis, Steen-Hansen E; Hove B; Andersen J, Skeletal Radiol 1987; 16: 556
- bony ankylosis in rheumatoid arthritis: associations with longer duration and greater severity of disease, Kaye JJ; Callahan LF; Nance EP Jr; et al, Invest Radiol 1987; 22: 303
- camptodactyly-arthritis-pericarditis syndrome: case report and literature review, (ab), Laxer RM; Cameron BJ; Chaisson D; et al, Radiology 1986; 161: 575
- carpal alterations in adult-onset Still disease, juvenile chronic arthritis, and adult-onset rheumatoid arthritis: comparative study, Björkengren AG; Pathria MN; Sartoris DJ; Torkelson R; Endale JM; Weissman M; Resnick D, Radiology 1987; 165: 545
- carpal predominance in rheumatoid arthritis, Hendrix RW; Urban MA; Schroeder JL; Rogers LF, Radiology 1987; 164: 219
- case report 411, Hardin CW; Manaster BJ, Skeletal Radiol 1987; 16: 232
- cervical rheumatoid arthritis: value of flexion and extension views in imaging, Reynolds H; Carter SW; Murtagh FR; Silliger M; Reichtine GR, Radiology 1987; 164: 215
- cervical spine involvement in rheumatoid arthritis: MR imaging, Aisen AM; Martel W; Ellis JH; McCune WJ, Radiology 1987; 165: 159
- changes in the cervical spine in juvenile rheumatoid arthritis, (ab), Hensinger RN; DeVito PD; Ragsdale CG, Radiology 1986; 160: 573
- cricothyroitis: CT assessment in rheumatoid arthritis, Brazeau-Lamontagne L; Charlin B; Levesque R-Y; Lussier A, Radiology 1986; 158: 463
- determinants of axial bone loss in rheumatoid arthritis, (ab), Sambrook PN; Eisman JA; Champion GD; et al, Radiology 1988; 166: 294
- distal interphalangeal joint involvement in rheumatoid arthritis, (ab), Jacob J; Sartoris D; Kursunoglu S; et al, Radiology 1986; 161: 284
- evaluation of indium-111 chloride as a radiopharmaceutical for joint imaging in a rabbit model of arthritis, Zalutsky MR; de Sousa M; Venkatesan P; et al, Invest Radiol 1987; 22: 733
- high-field MR surface-coil imaging of the hand and wrist: part II. pathologic correlations and clinical relevance, Weiss KL; Beltran J; Lubbers LM, Radiology 1986; 160: 147
- indium-111 leukocyte imaging in patients with rheumatoid arthritis, Uno K; Matsui N; Nohira K; et al, J Nucl Med 1986; 27: 339
- infantile-onset multisystem inflammatory disease: radiologic findings, Kaufman RA; Lovell DJ, Radiology 1986; 160: 741
- intraosseous rheumatoid nodule, Brantley SD; Schlesinger AE; Orzel JA; et al, Pediatr Radiol 1987; 17: 432

- juvenile rheumatoid arthritis: assessment with MR imaging. Yulish BS; Lieberman JM; Newman AJ; Bryan PJ; Mulopulos GP; Modic MT. *Radiology* 1987; 165: 149
- long-term prospective study of the use of methotrexate in rheumatoid arthritis: update after a mean of fifty-three months. (ab). Kremer JM; Lee JK. *Radiology* 1988; 169: 886
- long-term prospective trial of low-dose methotrexate in rheumatoid arthritis. (ab). Weinblatt ME; Trentham DE; Fraser PA; et al. *Radiology* 1988; 169: 886
- low-dose total-body irradiation in the management of refractory rheumatoid arthritis. Kardamakis D; Berry RJ. *Br J Radiol* 1987; 60: 297
- magnetic resonance imaging in the evaluation of patients with rheumatoid arthritis and subluxations of the cervical spine. (ab). Breedveld FC; Algra PR; Violevoe CJ; et al. *Radiology* 1987; 165: 886
- massive intracranial pannus and a pseudomeningocele in the atlanto-dental interval in rheumatoid arthritis. Stevens JM; Barter S; Kendall BE. *Br J Radiol* 1987; 60: 185
- MR imaging in juvenile rheumatoid arthritis. Senac MO Jr; Deutsch D; Bernstein BH; et al. *AJR* 1988; 150: 873
- MR imaging of the cervical spine in rheumatoid arthritis. Pettersson H; Larsson EM; Holmås S; et al. *AJNR* 1988; 9: 573
- observer variation in quantitative assessment of rheumatoid arthritis: part I. scoring erosions and joint space narrowing. Nance EP Jr; Callahan LF; et al. *Invest Radiol* 1986; 21: 922
- observer variation in quantitative assessment of rheumatoid arthritis. part II. simplified scoring system. Kaye JJ; Nance EP Jr; Callahan LF; et al. *Invest Radiol* 1987; 22: 41
- odontoid upward migration in rheumatoid arthritis: analysis of 45 patients with "cranial settling". (ab). Menezes AH; VanGilder JC; Clark CR; et al. *Radiology* 1986; 161: 287
- pharyngeal function in patients with rheumatoid arthritis of the cervical spine and temporomandibular joint. Ekberg O; Redlund-Johnell I; Sjöblom KG. *Acta Radiol* 1987; 28: 35
- productive osseous changes about the wrist in rheumatoid arthritis. Cantor RM; Braunstein EM. *Skeletal Radiol* 1987; 16: 397
- radiocolloid scintigraphy in Felty's syndrome. Shih W-J; Domstad PA; Li C-Y; et al. *AJR* 1986; 147: 181
- reduced mandibular dimensions and asymmetry in juvenile rheumatoid arthritis: pathogenetic factors. (ab). Stabrun AE; Lorheim TA; Höyeraal HM; et al. *Radiology* 1988; 169: 888
- reversible cause of back pain and sciatica in rheumatoid arthritis: an apophyseal joint cyst. (ab). Jacob JR; Weisman MH; Mink JH; et al. *Radiology* 1986; 161: 575
- rheumatoid and seronegative arthropathies of the foot. Kumar R; Madewell JE. *Radiol Clin North Am* 1987; 25: 1263
- rheumatoid arthritis and positional vertebral insufficiency: case report. (ab). Robinson BP; Seeger JF; Zak SM. *Radiology* 1987; 163: 839
- rheumatoid arthritis: explanatory power of specific radiographic findings for patient clinical status. Kaye JJ; Callahan LF; Nance EP Jr; Brooks RH; Pincus T. *Radiology* 1987; 165: 753
- rheumatoid arthritis: MR imaging manifestations. Beltran J; Caudill JL; Herman LA; Kantor SM; Hudson PN; Noto AM; Baran AS. *Radiology* 1987; 165: 153
- rheumatoid arthritis of the cervical spine: early and progressive radiographic features. Wolfe BK; O'Keefe D; Mitchell DM; Tchang SPK. *Radiology* 1987; 165: 145
- rheumatoid arthritis of the cervical spine: surface-coil MR imaging. Bundschuh CV; Modic MT; Kearney F; et al. *AJNR* 1988; 9: 565
- rheumatoid arthritis: similarity of radiographic abnormalities in men and women. Pathria MN; Björkengren AG; Jacob J; Kaplan PA; Kursunoglu S; Pate D; Sartoris DJ; Resnick D. *Radiology* 1988; 167: 793
- rheumatoid nodules of the spine: case report and review of the literature. (ab). Pearson ME; Kosko M; Huffer W; et al. *Radiology* 1987; 165: 886
- rheumatoid nodulosis: report of a case with evidence of intraosseous rheumatoid granuloma. (ab). Morales-Piga A; Elena-Ibanez A; Zea-Mendoza AC; et al. *Radiology* 1987; 163: 590
- safety and efficacy of the use of methotrexate in long-term therapy for rheumatoid arthritis. (ab). Kremer JM; Lee JK. *Radiology* 1987; 162: 295
- seronegative and seropositive rheumatoid arthritis: radiographic differences. El-Khoury GY; Larson RK; Kathol MH; Berbaum KS; Furst DE. *Radiology* 1988; 168: 517
- soft tissue changes of the wrist in rheumatoid arthritis: results of low kV radiography in three views. (ab). Fischer E. *Radiology* 1986; 159: 822
- spinal cord compression by epidural lipomatosis in juvenile rheumatoid arthritis. (ab). Arroyo IL; Barron KS; Brewer EJ Jr. *Radiology* 1988; 169: 888
- stability of normal joint findings in persistent classic rheumatoid arthritis. (ab). Roberts WN; Daltroy LH; Anderson RJ. *Radiology* 1988; 169: 885
- ## Arthritis, septic
- chronic septic arthritis of the adult hip: computed tomographic features. Resnik CS; Ammann AM; Walsh JW. *Skeletal Radiol* 1987; 16: 513
- group G streptococcal arthritis and bowel disease: rare enteropathic arthropathy. Trenkner SW; Braunstein EM; Lynn MD; et al. *Gastrointest Radiol* 1987; 12: 265
- hemophilus influenzae septic arthritis in adults: report of four cases and a review of the literature. (ab). Bornstein DG; Simon GL. *Radiology* 1987; 162: 589
- inability of bone and gallium imaging to differentiate acute gouty arthritis from septic arthritis. Boxen I. *Clin Nucl Med* 1986; 11: 443
- infectious arthritis in renal transplant patients. (ab). Bomalaski JS; Williamson PK; Goldstein CS. *Radiology* 1986; 161: 283
- "missing" femoral condyle: unusual sequela to neonatal osteomyelitis and septic arthritis. Singdon RD; Berdon WE; Feldman F; Denton JR; Abramson S; Baker DH. *Radiology* 1986; 161: 359
- septic arthritis in an immunocompromised patient. Dejak D; Serota AE; Nishiyama H. *Clin Nucl Med* 1987; 12: 146
- septic arthritis of the hip: a rare complication of angiography. Resnik CS; Sawyer RW; Tinsado J. *J Canad Assoc Radiol* 1987; 38: 299
- septic shoulder presenting as biceps muscle abscess. Allard JC; Naimark A; Lee VW; et al. *Clin Nucl Med* 1987; 12: 935
- ultrasonography of hip joint effusions. Zieger MM; Dörr U; Schulz RD. *Skeletal Radiol* 1987; 16: 607
- ## Arthrography
- See also under names of specific joints, such as Ankle; Hip; Knee; Wrist; etc.
- arthrographic study of painful total hip arthroplasty: refined criteria. Maus TP; Berquist TH; Bender CE; Rand JA. *Radiology* 1987; 162: 721
- arthrography: past, present, and future. Hall FM. *AJR* 1987; 149: 561
- computed arthrography: its role in the screening of joint diseases in pediatric radiology. Paille P; Quesnel C; Baunin C; et al. *Pediatr Radiol* 1988; 18: 386
- diagnosis of temporomandibular joint disease: two-compartment arthrography and MR. Schellhas KP; Wilkes CH; Omile MR; et al. *AJNR* 1988; 9: 579
- diagnosis of temporomandibular joint disease: two-compartment arthrography and MR. Schellhas KP; Wilkes CH; Omile MR; et al. *AJR* 1988; 151: 341
- knee arthrography. Freiburger RH; Pavlov H. *Radiology* 1988; 166: 489
- MR arthrography: anatomic-pathologic investigation. Hajek PC; Baker LL; Sartoris DJ; Neumann CH; Resnick D. *Radiology* 1987; 163: 141
- normal temporomandibular joint: MR and arthrographic correlation. Kaplan PA; Tu HK; Williams SM; Lydiatt DD. *Radiology* 1987; 165: 177
- oblique head position in temporomandibular joint arthrography. Gillespy T III; Helms CA. *Radiology* 1986; 158: 541
- role of arthrography in the management of dysplasia epiphysealis hemimelica. Ho AMW; Blane CE; Kling TF Jr. *Skeletal Radiol* 1986; 15: 224
- shoulder instability: impact of glenohumeral arthrotomography on treatment. El-Khoury GY; Kathol MH; Chandler JB; Albright JP. *Radiology* 1986; 160: 669
- temporomandibular joint arthrography: dynamic study by videorecording. Lott CW; Wilson DJ; Juniper RF. *Clin Radiol* 1988; 39: 73
- temporomandibular joint: correlation between single-contrast videoarthrography and postmortem morphology. Westesson P-L; Bronstein SL; Liedberg J. *Radiology* 1986; 160: 767
- ## Arthrography, contrast media
- contrast media in double-contrast arthrography of the knee: comparison of ioxaglate and iohalamate preparations. Ingram C; Stoker DJ. *Br J Radiol* 1986; 59: 143
- knee arthrography: comparison of iohexol, ioxaglate sodium meglumine, and metrizoate. Obermann WR; Kieft CJ. *Radiology* 1987; 162: 729
- knee arthrography: effects of various contrast media and epinephrine on synovial fluid. Corbetti F; Malatesta V; Camposampiero A; Mazzi A; Punzi L; Angelini F; Vago M; Todesco S. *Radiology* 1986; 161: 195
- ## Arthrography, radiation exposure
- radiation dose in radiography, CT, and arthrography of the temporomandibular joint. Christiansen EL; Moore RJ; Thompson JR; et al. *AJR* 1987; 148: 107
- ## Arthrography, technology
- costotransverse joint injection: description of technique. Lau LSW; Littlejohn GO. *Australas Radiol* 1987; 31: 47
- digital subtraction wrist arthrography: use of double contrast technique as a supplement to single contrast arthrography. Pittman CC; Quinn SF; Belsole R; et al. *Skeletal Radiol* 1988; 17: 119
- direct coronal computed tomography arthrography of osteochondritis dissecans of the talus. Heare MM; Gillespy T III; Bittar ES. *Skeletal Radiol* 1988; 17: 187
- potential contrast agents for MR arthrography: in vitro evaluation and practical observations. Hajek PC; Sartoris DJ; Neumann CH; et al. *AJR* 1987; 149: 97
- scatter radiation exposure during knee arthrography. Light MC; Molloy SY; Yandow DR; Ranallo FN. *Radiology* 1987; 164: 867
- wrist arthrography: the value of the three compartment injection technique. Levinsohn EM; Palmer AK; Coren AB; et al. *Skeletal Radiol* 1987; 16: 539
- ## Arthroscopy
- chondromalacia of the patella: bone imaging correlated with arthroscopic findings. Kohn HS; Guten GN; Collier BD; et al. *Clin Nucl Med* 1988; 13: 96
- meniscal abnormalities: prospective correlation of double-contrast arthrography and arthroscopy. Dumas J-M; Edde DJ. *Radiology* 1986; 160: 453
- ## Arthrosonography
- See Joints, US studies
- ## Asbestos
- asbestos induced diffuse pleural fibrosis: pathology and mineralogy. (ab). Stephens M; Gibbs AR; Pooley FD; et al. *Radiology* 1988; 167: 291
- asbestos pleural effusion: a clinical entity. (ab). Mårtensson G; Hagberg S; Pettersson K; et al. *Radiology* 1988; 167: 291
- asbestos-related focal lung masses: manifestations on conventional and high-resolution CT scans. Lynch DA; Gamsu G; Ray CS; Aberle DR. *Radiology* 1988; 169: 603

- asbestos-related pleural disease and asbestosis: a comparison of CT and chest radiography, Friedman AC; Fiel SB; Fisher MS; et al, *AJR* 1988; 150: 269
- effects of cigarette smoke exposure on retention of asbestos fibers in various morphologic compartments of the guinea pig lung, (ab), Chung A; Tron V; Wright JL, *Radiology* 1988; 167: 884
- measurement of lung density by x-ray computed tomography: relation to lung mechanics in workers exposed to asbestos cement, (ab), Wollmer F; Jakobsson K; Albin M; et al, *Radiology* 1988; 166: 291
- use of CT in the examination of asbestos-exposed persons, McLoud TC, *Radiology* 1988; 169: 862
- Asbestosis**
- asbestos-related pleural and parenchymal fibrosis: detection with high-resolution CT, Aberle DR; Gamsu G; Ray CS; Feuerstein IM, *Radiology* 1988; 166: 729
- asbestos-related pleural disease and asbestosis: a comparison of CT and chest radiography, Friedman AC; Fiel SB; Fisher MS; et al, *AJR* 1988; 150: 269
- changes on radiographs of wives of workers exposed to asbestos, Sider L; Holland EA; Davis TM Jr; Cugell DW, *Radiology* 1987; 164: 723
- CT demonstration of interlobar fissure calcification due to asbestos exposure, Rockoff SD, *JCAT* 1987; 11: 1066
- gallium-67 uptake in the lung of asbestos exposed sheep: early association with enhanced macrophage-derived fibronectin accumulation, Begin R; Bisson G; Lambert R; et al, *J Nucl Med* 1986; 27: 538
- mortality in cases of asbestosis diagnosed by a pneumoconiosis medical panel, (ab), Coutts IL; Gilson JC; Kerr IH; et al, *Radiology* 1987; 165: 296
- pulmonary asbestosis: CT study of subpleural curvilinear shadow, work in progress, Yoshimura H; Hatakeyama M; Otsuji H; Maeda M; Ohishi H; Uchida H; Kasuga H; Katada H; Narita N; Mikami R; Konishi Y, *Radiology* 1986; 158: 653
- pulmonary asbestosis: CT study of subpleural curvilinear shadow, Pilate I; Marcelis S; Timmerman H; Beeckman P; Osteaux MJC, *Radiology* 1987; 164: 584
- visceral pleural thickening in asbestos exposure: the occurrence and implications of thickened interlobar fissures, Rockoff SD; Kagan E; Schwartz A; et al, *J Thorac Imag* 1987; 2: 58
- Ascariasis**
- ascaris-induced pancreatitis, Leung JWC; Mok SD; Metreweli C, *AJR* 1987; 149: 511
- CT findings in biliary and pancreatic ascariasis, Radin DR; Vachon LA, *JCAT* 1986; 10: 508
- endoscopic retrograde cholangiopancreatographic features of pancreaticobiliary ascariasis, Bhushan B; Watal G; Mahajan R; et al, *Gastrointest Radiol* 1988; 13: 327
- non-Western patterns of biliary stones and the role of ascariasis, Schulman A, *Radiology* 1987; 162: 425
- Ascites**
- analysis of the tethered-bowel sign on abdominal CT as a predictor of malignant ascites, Seltzer SE, *Gastrointest Radiol* 1987; 12: 245
- ascites and right pleural effusion: demonstration of a peritoneo-pleural communication, Verreault J; Lepage S; Bisson G; et al, *J Nucl Med* 1986; 27: 1706
- ascites or pleural effusion? CT differentiation: four useful criteria, Halvorsen RA Jr; Fedysyn PJ; Korobkin M; Foster WL Jr; Thompson WM, *Radiographics* 1986; 6: 135
- CT differentiation of pleural effusion from ascites: evaluation of four signs using blinded analysis of 52 cases, Halvorsen RA Jr; Fedysyn PJ; Korobkin M; et al, *Invest Radiol* 1986; 21: 391
- CT- or sonography-guided biopsy of the liver in the presence of ascites: frequency of complications, Murphy FB; Barefield KP; Steinberg HV; et al, *AJR* 1988; 151: 485
- diaphragmatic discontinuity associated with perihaptic ascites: a sonographic refractive artifact, Middleton WD; Nelson GL, *AJR* 1988; 151: 709
- extension of ascites into the chest with hiatal hernia: visualization on CT, Godwin JD; MacGregor JM, *AJR* 1987; 148: 31
- hepatic pseudotumors in patients with ascites, Skwarok DJ; Goiney RC; Cooperberg PL, *J Ultrasound Med* 1986; 5: 5
- hydrothorax, ascites, and right diaphragmatic hernia, Gilsanz V; Emons D; Hansmann M; Meradji M; Donaldson JS; Omenaca F; Quero J; Tucker BL, *Radiology* 1986; 158: 243
- intraperitoneal paravesical spaces: CT delineation with US correlation, Auh YH; Rubenstein WA; Markisz JA; Zirinsky K; Whalen JP; Kazam E, *Radiology* 1986; 159: 311
- localization of a skeletal imaging agent in nonmalignant ascites, Shih W-J; Domstad PA, *Clin Nucl Med* 1988; 13: 137
- MR imaging of pathological abdominal fluid collections, Wall SD; Hricak H; Bailey GD; et al, *JCAT* 1986; 10: 746
- peritoneal implants from ovarian tumors: CT findings, Buy J-N; Moss AA; Ghossein MA; Scot C; Malbec L; Vadrot D; Paniel BJ; Decroix Y, *Radiology* 1988; 169: 691
- peritoneal lymphomatosis with ascites: characterization, (ab), Runyon BA; Hoefs JC, *Radiology* 1986; 161: 282
- pleuroperitoneal communication in a patient with right pleural effusion and ascites diagnosed by technetium-99m sulfur colloid imaging, Eisenberg B; Velchik MG; Alavi A, *Clin Nucl Med* 1988; 13: 99
- pseudo-tumors of the liver on computed tomographic (CT) scanning caused by adjacent ascitic or pleural fluid, Allison MC; Dick R; Eliot C, *Australas Radiol* 1987; 31: 183
- radiologic evaluation of pancreatic ascites, Kravetz GW; Cho KC; Baker SR, *Gastrointest Radiol* 1988; 13: 163
- sonographic findings of generalized meconium peritonitis presenting as neonatal ascites, Wu C-C, *JCU* 1988; 16: 48
- Aspergillosis**
- allergic bronchopulmonary aspergillosis: natural history and classification of early disease by serologic and roentgenographic studies, (ab), Patterson R; Greenberger PA; Halwig JM; et al, *Radiology* 1986; 161: 282
- comparison of narrow section computed tomography and plain chest radiography in chronic allergic bronchopulmonary aspergillosis, Currie DC; Goldman JM; Cole PJ; et al, *Clin Radiol* 1987; 38: 593
- computed tomography of renal aspergillosis, Zirinsky K; Auh YH; Hartman BJ; et al, *JCAT* 1987; 11: 177
- control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery, Jardin M; Remy J, *Radiology* 1988; 168: 377
- cranial manifestations of aspergillosis, Jinkins JR; Siqueira E; Al-Kawi MZ, *Neuroradiol* 1987; 29: 181
- CT of invasive pulmonary aspergillosis, Kuhlman JE; Fishman EK; Burch PA; et al, *AJR* 1988; 150: 1015
- intrathoracic aspergilloma: role of CT in diagnosis and treatment, Roberts CM; Citron KM; Strickland B, *Radiology* 1987; 165: 123
- invasive pulmonary aspergillosis: radiologic evidence of tracheal involvement, Vail CM; Chiles C, *Radiology* 1987; 165: 745
- pulmonary aspergillosis appearing as chronic nodular disease in chronic granulomatous disease, Chusid MJ; Sty JR; Wells RG, *Pediatr Radiol* 1988; 18: 232
- pulmonary aspergillosis: unusual radiographic appearance, Sider L; Davis T, *Radiology* 1987; 162: 657
- radiologic-pathologic correlation of the CT halo sign in invasive pulmonary aspergillosis, Hruban RH; Mezziane MA; Zerhouni EA; et al, *JCAT* 1987; 11: 534
- significance of isolation of *Aspergillus* from the respiratory tract in diagnosis of invasive pulmonary aspergillosis: results from a three-year prospective study, (ab), Yu VL; Muder RR; Poorsattar A, *Radiology* 1987; 162: 885
- surgery for pulmonary aspergilloma: preoperative embolization of the bronchial circulation, (ab), Hughes CF; Wough R; Lindsay D, *Radiology* 1986; 161: 574
- tension pneumopericardium: an unusual manifestation of invasive pulmonary aspergillosis, Müller NL; Miller RR; Ostrow DN; et al, *AJR* 1987; 148: 678
- unusual "cavity-in-cavity" appearance of pulmonary aspergilloma, Chintapalli K; Sheth NK; Goodman LR, *CT* 1988; 12: 64
- Asphyxia**
- computed tomography of the brain in asphyxiated infants, Dunn DW; Weisberg LA, *Comput Radiol* 1987; 11: 147
- postasphyxial encephalopathy in term infants: sonographic demonstration of increased echogenicity of the thalamus and basal ganglia, Hertzberg BS; Pato ME; Needleman L; et al, *J Ultrasound Med* 1987; 6: 197
- sonographic changes in a parasagittal cerebral lesion in an asphyxiated newborn, Huang C-C; Ho M-Y; Shen E-Y, *JCU* 1987; 15: 68
- sonographic finding of the bright thalamus, (ab), Shen EY; Huang CC; Chyou SC; et al, *Radiology* 1987; 163: 838
- temporal evolution of hypoxic-ischaemic brain lesions in asphyxiated full-term newborns as assessed by computerized tomography, (ab), Lipp-Zwahlen AE; Deonna T; Chrzanoski R; et al, *Radiology* 1986; 158: 862
- Aspirin**
- effects of aspirin and prostaglandin E₂ on interdigestive motility complex and duodenogastric reflux in man, (ab), Dooley CP; Mello WD; Valenzuela JE, *Radiology* 1986; 158: 568
- enteric-coated aspirin bezoar: elevation of serum salicylate level by barium study—case report and review of medical management, (ab), Bogacz K; Caldron P, *Radiology* 1988; 167: 290
- major upper gastrointestinal tract bleeding: relation to the use of aspirin and other nonnarcotic analgesics, (ab), Levy M; Miller DR; Kaufman DW; et al, *Radiology* 1988; 168: 883
- serpiginous gastric erosions caused by aspirin and other nonsteroidal antiinflammatory drugs, Levine MS; Verstandig A; Laufer I, *AJR* 1986; 146: 31
- Asplenia**
- See Spleen, abnormalities
- Astrocytoma**
- cerebral astrocytomas: histopathologic correlation of MR and CT contrast enhancement with stereotactic biopsy, Earnest F IV; Kelly PJ; Scheithauer BW; Kali RA; Cascino TL; Ehman LR; Forbes GS; Axley FL, *Radiology* 1988; 166: 823
- computed tomography of gliomatosis cerebri, Geremia GK; Wollman R; Foust R, *JCAT* 1988; 12: 698
- cystic pilocytic astrocytomas of the cerebral hemispheres: surgical experience with 51 cases and long-term results, (ab), Palma L; Guidetti B, *Radiology* 1986; 159: 573
- giant cell astrocytoma in tuberous sclerosis: computed tomographic findings, Moran V; O'Keeffe F, *Clin Radiol* 1986; 37: 543
- juvenile pilocytic astrocytoma of the cerebrum in adults: distinctive neoplasm with favorable prognosis, (ab), Garcia DM; Fulling KH, *Radiology* 1986; 160: 573
- MR image-guided P-31 MR spectroscopy in the evaluation of brain tumor treatment, Segebarth CM; Baleraux DF; Arnold DL; Luyten PR; den Hollander JA, *Radiology* 1987; 165: 215
- phase I study of mixed (neutron and photon) irradiation using two fractions per day in the treatment of high-grade astrocytomas, Duncan W; McLelland J; Davey P; et al, *Br J Radiol* 1986; 59: 441
- radiation treatment with twice a day fractionation versus conventional fractionation in high grade astrocytoma: a retrospective study, Bignardi M; Bertoni F, *Acta Oncol* 1987; 26: 441
- results of a randomised trial of mixed-schedule (neutron/photon) irradiation in the treatment of supratentorial grade III and grade IV astrocytoma, Duncan W; McLelland J; Jack WJL; et al, *Br J Radiol* 1986; 59: 379

Atelectasis

Atelectasis

See Lung, collapse

Atherectomy

peripheral artery atherectomy: description of technique and report of initial results, Newman GE; Miner DG; Sussman SK; Phillips HR; Mikat EM; McCann RL, *Radiology* 1988; 169: 677

Atherosclerosis

See Arteriosclerosis

Athletics

rectus femoris muscle bone-image uptake in a sprinter, Telepak RJ; Hartshorne MF; Bauman JM; et al, *Clin Nucl Med* 1986; 11: 365

Atlas and axis

atlantoaxial (C1-C2) facet joint osteoarthritis: a distinctive clinical syndrome, (ab), Halla JT; Hardin JG Jr, *Radiology* 1987; 165: 886

odontoid process in children—is it hypoplastic?, Elliott S, *Clin Radiol* 1988; 39: 391

odontoid upward migration in rheumatoid arthritis: analysis of 45 patients with "cranial settling", (ab), Menezes AH; VanGilder JC; Clark CR; et al, *Radiology* 1986; 161: 287

Atlas and axis, abnormalities

absent dens on submentovertex view of the skull: new sign of an abnormal odontoid, Gurney JW, *J Canad Assoc Radiol* 1986; 37: 38

atlantoaxial instability in individuals with Down syndrome: epidemiologic, radiographic, and clinical studies, (ab), Pueschel SM; Scola FH, *Radiology* 1988; 168: 296

atlantooccipital instability in Down syndrome, Rosenbaum DM; Blumhagen JD; King HA, *AJR* 1986; 146: 1269

case report 400, Nyska M; Margulies JY; Gomori JM; et al, *Skeletal Radiol* 1986; 15: 663

cervical rheumatoid arthritis: value of flexion and extension views in imaging, Reynolds H; Carter SW; Murtagh FR; Silbiger M; Reichtine GR, *Radiology* 1987; 164: 215

CT recognition of anomalies of the posterior arch of the atlas vertebra: differentiation from fracture, Dorne HL; Just N; Lander PH, *AJNR* 1986; 7: 176

dysplastic origin of the "fat C2 body", Wackenheim A; Dosch JC; Langenbruch K, *Neuroradiol* 1988; 30: 345

posterior atlantooccipital subluxation in Down syndrome, El-Khoury GY; Clark CR; Dietz FR; Harre RG; Tozzi JE; Kathol MH, *Radiology* 1986; 159: 507

section of the odontoid process by a shortened transverse ligament (a possible etiology for the mobile odontoid), Wackenheim A; Burguet JL; Sick H, *Neuroradiol* 1986; 28: 281

spondylolysis of the anterior arch of the atlas, (ab), Chalmers AG; Gallegos NC, *Radiology* 1986; 158: 859

Atlas and axis, dislocation

atlantoaxial distance in patients with Down syndrome: standardization of measurement, Singer SJ; Rubin IL; Strauss KJ, *Radiology* 1987; 164: 871

atlantooccipital junction: standards for measurement in normal children, Kaufman RA; Carroll CD; Buncher CR, *AJNR* 1987; 8: 995

case report 344, Dowd CF; Sartoris DJ; Haghighi P; et al, *Skeletal Radiol* 1986; 15: 65

evaluation of traumatic atlantooccipital dislocations, Lee C; Woodring JH; Goldstein SJ; et al, *AJNR* 1987; 8: 19

hangman's fracture: radiologic assessment in 27 cases, Mirvis SE; Young JWR; Lim C; Greenberg J, *Radiology* 1987; 163: 713

pitfalls in the CT diagnosis of atlantoaxial rotary subluxation, Kowalski HM; Cohen WA; Cooper P; et al, *AJNR* 1987; 8: 697

pseudotumor of the craniovertebral junction associated with chronic subluxation: MR imaging studies, Sze G; Brant-Zawadzki M; Wilson CR; Norman D; Newton TH, *Radiology* 1986; 161: 391

Atlas and axis, fractures

fractures of the dens: multicenter study, (ab), Clark CR; White AA, *Radiology* 1986; 159: 821

hangman's fracture: radiologic assessment in 27 cases, Mirvis SE; Young JWR; Lim C; Greenberg J, *Radiology* 1987; 163: 713

non-union of fractures of the atlas, (ab), Segal LS; Grimm JO; Stauffer ES, *Radiology* 1988; 167: 888

vertical fracture of the odontoid: CT diagnosis, Johnson JE; Yang PJ; Seeger JF; et al, *JCAT* 1986; 10: 311

Atrial septal defect

accuracy of fetal echocardiography, Benacerraf BR; Pober BR; Sanders SP, *Radiology* 1987; 165: 847

atrial-level shunts: sensitivity and specificity of MR in diagnosis, Diethelm L; Dery R; Lipton MJ; Higgins CB, *Radiology* 1987; 162: 181

atrial septal defect in older adults: atypical radiographic appearances, Sanders C; Bittner V; Nath PH; Breatnach ES; Soto BS, *Radiology* 1988; 167: 123

combined contrast echocardiographic and hemodynamic evaluation of atrial septal defect associated with persistent left superior vena cava and partial anomalous pulmonary venous connection, Ferrara N; Zarra AMF; Vigorito C; et al, *JCU* 1987; 15: 64

pulmonary arterial thrombosis in secundum atrial septal defect, (ab), Schamroth CL; Sareli P; Pocock WA; et al, *Radiology* 1988; 167: 885

B

Bacillus Calmette-Guerin (BCG)

intravesical bacillus Calmette-Guerin therapy and associated granulomatous renal masses, (ab), Stanicic TH; Brewer ML; Graham AR, *Radiology* 1986; 160: 285

osteomyelitis deriving from BCG-vaccination, Arias FC; Rodriguez M; Hernandez JG; et al, *Pediatr Radiol* 1987; 17: 166

pulmonary complications of intravesical bacille Calmette-Guerin immunotherapy, (ab), Israel-Bieg D; Venet A; Sandron D; et al, *Radiology* 1987; 164: 882

Bacteria

mesenteric adenitis and acute terminal ileitis: US evaluation using graded compression, Puylaert JBCM, *Radiology* 1986; 161: 691

neutrophil intracellular kill following thermal injury: different bactericidal capability for patients' organisms and laboratory organisms, (ab), Moran KT; Allo MM; O'Reilly TJ; et al, *Radiology* 1988; 169: 888

radiometric assay of bacterial growth: analysis of factors determining system performance and optimization of assay technique, Boonkitticharoen V; Ehrhardt JC; Kirchner PT, *J Nucl Med* 1987; 28: 209

simple index to identify occult bacterial infection in adults with acute unexplained fever, (ab), Mellors JW; Horowitz RI; Harvey MR; et al, *Radiology* 1987; 165: 592

Balloons

See Catheters and catheterization

Barium

allergy to barium sulfate suspension with angioedema of the stomach and small bowel, Shaffer HA Jr; Eckard DA; de Lange EE; et al, *Gastrointest Radiol* 1988; 13: 221

comparison of endoscopy and barium swallow with marshmallow in dysphagia, Somers S; Stevenson GW; Thompson G, *J Canad Assoc Radiol* 1986; 37: 73

effect of barium suspension viscosity on the delineation of arecae gastricae, Rubenstein SE; Herlinger H, *AJR* 1986; 146: 35

hydrophilic-lipophilic balance as predictor of mucus coating with barium sulfate, Salomonowitz E; Frick MP; Morin RL; et al, *Gastrointest Radiol* 1986; 11: 93

negative double-contrast barium meal—qualified reassurance, Arfeen S; Salter RH; Girdwood TG, *Clin Radiol* 1987; 38: 49

silicosis in barium miners, (ab), Seaton A; Ruckley VA; Addison J; et al, *Radiology* 1987; 162: 883

small bowel radiography: how, when, and why?, Maglinte DDT; Lappas JC; Kelvin FM; Rex D; Chernish SM, *Radiology* 1987; 163: 297

state-of-the-art barium examination in opportunistic esophagitis, (ab), Vahey TN; Maglinte DDT; Chernish SM, *Radiology* 1987; 163: 837

value of opacification of the esophagus by low density barium paste in computer tomography of the thorax, Conces DJ Jr; Tarver RD; Lappas JC, *JCAT* 1988; 12: 202

Barium enema examination

appendiceal filling by double-contrast barium enema, Harding JA; Glick SN; Teplick SK; et al, *Gastrointest Radiol* 1986; 11: 105

audit on the use of the barium enema, (ab), Vellacott KD; Virjee J, *Radiology* 1986; 161: 573

barium enema after biopsy: current practice and opinion, Merrill CR; Steiner GM, *Clin Radiol* 1986; 37: 89

CO₂ delivery system for double-contrast barium enema examinations, Bernier P; Coblenz C, *Radiology* 1986; 159: 264

colonic cleansing for radiographic detection of neoplasia: efficacy of the magnesium citrate-castor oil-cleansing enema regimen, Gelfand DW; Chen YM; Ott DJ, *AJR* 1988; 151: 705

colorectal carcinoma detected initially with barium enema examination: site distribution and implications, Kelvin FM; Maglinte DDT; Stephens BA, *Radiology* 1988; 169: 649

colorectal carcinoma: radiologic and clinical review, Kelvin FM; Maglinte DDT, *Radiology* 1987; 164: 1

computed tomography vs barium studies in the acutely symptomatic patient with Crohn disease, Orel SG; Rubenstein SE; Jones B; et al, *JCAT* 1987; 11: 1009

correlation of double-contrast high-density barium enema, colonoscopy, and histology in children with special attention to disparities, Stringer DA; Sherman PM; Jakowenko N, *Pediatr Radiol* 1986; 16: 298

detection of colonic polyps on single-contrast barium enema study: emphasis on the elderly, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1987; 164: 333

diagnosis of acute colonic diverticulitis: comparison of barium enema and CT, Johnson CD; Baker ME; Rice RP; et al, *AJR* 1987; 148: 541

efficacy of postevacuation view after double-contrast barium enema, Smith C; Gardiner R, *Gastrointest Radiol* 1987; 12: 268

glucagon-induced small bowel air reflux: degrading effects on double-contrast colon examination, Stone EE; Conte FA, *Gastrointest Radiol* 1988; 13: 212

impact of the barium enema on patient management, Chen YM; Ott DJ; Gelfand DW; et al, *Gastrointest Radiol* 1988; 13: 81

irritable bowel syndrome: is a barium enema necessary?, Treacher DF; Chapman JR; Nolan DJ; et al, *Clin Radiol* 1986; 37: 87

perception errors with double-contrast enema after a positive guaiac test, Kewenter J; Jensen J; Boijens M; et al, *Gastrointest Radiol* 1987; 12: 79

performance of barium examinations after acute myocardial infarction: report of a survey, Smith HJ, *AJR* 1987; 149: 63

pharmacologic agents in gastrointestinal radiology, Hall FM, *Radiology* 1987; 165: 289

present status of the radiologic examination of the colon, Margulis AR; Thoeni RF, *Radiology* 1988; 167: 1

problems in the colonoscopic localization of tumors: continued value of the barium enema, Frager DH; Frager JD; Wolf EL; et al, *Gastrointest Radiol* 1987; 12: 343

retrograde ileography: value of glucagon, Monsein LH; Halpert RD; Harris ED; Feczko PJ, *Radiology* 1986; 161: 558

sensitivity of double-contrast barium study for left-colon polyps, Rex DK; Lehman GA; Lappas JC; Miller RE, *Radiology* 1986; 158: 69

- single-contrast vs double-contrast barium enema in the detection of colonic polyps, Ott DJ; Chen YM; Gelfand DW; et al, *AJR* 1986; 146: 993
- single- versus double-contrast barium studies in elderly patients, Millward S, *Radiology* 1988; 166: 578
- single- versus double-contrast barium studies in elderly patients: reply, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1988; 166: 578
- small bowel enema in the patient with an ileostomy, Kay VJ; Nolan DJ, *Clin Radiol* 1988; 39: 418
- small intestine enema, Carlson HC, *AJR* 1988; 150: 510
- state of radiographic technique in the examination of the colon: a survey in 1987, Thoen RF; Margulis AR, *Radiology* 1988; 167: 7
- study of patient acceptance of double-contrast barium enema and colonoscopy: which procedure is preferred by patients?, (ab), Van Ness MM; Chobanian SJ; Winters C Jr; et al, *Radiology* 1988; 167: 882
- value of glucagon in routine barium investigations of the gastrointestinal tract, Rothe AJ; Young JWR; Keramati B, *Invest Radiol* 1987; 22: 786
- value of the small bowel enema in children, Stringer DA; Cloutier S; Daneman A; et al, *J Canad Assoc Radiol* 1986; 37: 13
- Barium enema examination, complications**
- barium embolisation during barium enema examination: a report of a case and a review of the literature, Fowle S; Barton JR; Fraser GM, *Br J Radiol* 1987; 60: 404
- barium enemas are a headache, Kutt E; Hall MJ; Booth A; et al, *Clin Radiol* 1988; 39: 9
- barium filling for glucagon-resistant spasm, Feuerstein IM; Margulis AR, *Radiology* 1987; 164: 876
- barium filling for glucagon-resistant spasm on double-contrast barium enema examinations, Levine MS; Gasparaitis AE, *Radiology* 1986; 160: 264
- barium intravasation: radiographic and CT findings in a nonfatal case, Chan F-L; Tso W-K; Wong L-C; Ngan H, *Radiology* 1987; 163: 311
- case report: pneumoperitoneum, omental emphysema and intramural barium perforation following double contrast barium enema, Chong WK; Tanner A; Wilkins RA, *Clin Radiol* 1987; 38: 319
- complication of cleansing enema: retained protective shield of the enema tip, Zeligman BE; Feinberg LE; Johnson ED, *Gastrointest Radiol* 1986; 11: 372
- hypersensitivity reactions after barium studies of the upper and lower gastrointestinal tract, Janower ML, *Radiology* 1986; 161: 139
- voice change after barium enema: clinical sign of extraperitoneal colon perforation, Rabin DN; Smith C; Witt TR; et al, *AJR* 1987; 148: 145
- Barium enema examination, in infants and children**
- appendicitis in children: accuracy of the barium enema, (ab), Garcia C; Rosenfield NS; Markowitz RJ; et al, *Radiology* 1988; 168: 296
- compensation filtration in paediatric double contrast barium enema examinations, Sprigg A; Gough LM; Stringer DA; et al, *Clin Radiol* 1986; 37: 599
- lymphoid follicular pattern in the colon: an indicator of barium coating, Miller M; Stringer DA; Chui-Mei T; et al, *J Canad Assoc Radiol* 1987; 38: 256
- use of the barium enema in the diagnosis of necrotizing enterocolitis, Uken P; Smith W; Franken EA; et al, *Pediatr Radiol* 1988; 18: 24
- Barium enema examination, technology**
- barium enema scout film: cost effectiveness and clinical efficacy, Schwab FJ; Glick SN; Teplick SK; Adler LP, *Radiology* 1986; 160: 619
- barium enema scout film: cost effectiveness and clinical efficacy, Pochazevsky R, *Radiology* 1987; 162: 581
- barium gun for use in enteroclysis, Taucer F; Bach D; Olutola PS, *Gastrointest Radiol* 1986; 11: 203
- CO₂ delivery system for double-contrast barium enema examinations, Bernier P; Coblenz C, *Radiology* 1986; 159: 264
- comparison of Golytely® and standard preparation for barium enema, Fitzsimons PJ; Shorvon P; Frost RA; et al, *J Canad Assoc Radiol* 1987; 38: 109
- comparison of three methods for performing barium follow-through studies of the small intestine, Morewood DJW; Whitehouse GH, *Br J Radiol* 1986; 59: 971
- compensation filtration in paediatric double contrast barium enema examinations, Sprigg A; Gough LM; Stringer DA; et al, *Clin Radiol* 1986; 37: 599
- dietary fibers in the preparation of the bowel for diagnostic barium enema, Hellstrom M; Brodin I, *Gastrointest Radiol* 1987; 12: 76
- diverticular disease: imaging with post-double-contrast sigmoid flush, Lappas JC; Maglante DDT; Kopecky KK; Cockerill EM; Lehman GA, *Radiology* 1988; 168: 35
- double-contrast barium enema study: simple conversion to CO₂, Besette JR; Maglante DDT, *Radiology* 1987; 162: 274
- effect of oral magnesium-containing bowel preparation agents on mucosal coating by barium sulphate suspensions, Conry BG; Jones S; Bartram CI, *Br J Radiol* 1987; 60: 1215
- preliminary study of the possible benefits of using carbon dioxide insufflation during double-contrast barium enema, Grant DS; Bartram CI; Heron CW, *Br J Radiol* 1986; 59: 190
- retrograde colostomy and ileostomy enemas in neonates and infants: a simple combination of techniques, Kushner DC; Cleveland RH; Herman TE; et al, *Gastrointest Radiol* 1988; 13: 180
- small bowel enema made easy, Nolan DJ; Cadman PJ, *Clin Radiol* 1987; 38: 295
- technique and evaluation of the double contrast ileostomy enema, White MM; Bartram CI, *Clin Radiol* 1987; 38: 621
- video disc recording in double contrast barium enema—comparison with conventional fluoroscopy, Pietilä J; Pietilä K; Pukkila O, *Eur J Radiol* 1987; 7: 246
- Basal ganglia**
- basal ganglia involvement in subacute sclerosing panencephalitis: CT and MR demonstration, Woodward KG; Weinberg PE; Lipton HL, *JCAT* 1988; 12: 489
- computed tomography of germinomas in basal ganglia and thalamus, Soejima T; Takeshita I; Yamamoto H; et al, *Neuroradiol* 1987; 29: 366
- decreased iodine-123 IMP caudate nucleus uptake in patients with Huntington's disease, Nagel JS; Johnson KA; Ichise M; et al, *Clin Nucl Med* 1988; 13: 486
- echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy, Teele RL; Hernandez-Schulman M; Sotrel A, *Radiology* 1988; 169: 423
- iron accumulation in the basal ganglia following severe ischemic-anoxic insults in children, Dietrich RB; Bradley WG Jr, *Radiology* 1988; 168: 203
- multiple system atrophy (Shy-Drager syndrome): MR imaging, Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L, *Radiology* 1986; 159: 499
- postsphyxial encephalopathy in term infants: sonographic demonstration of increased echogenicity of the thalamus and basal ganglia, Hertzberg BS; Pato ME; Needleman L; et al, *J Ultrasound Med* 1987; 6: 197
- sonography of the internal capsule and basal ganglia in infants: part II: localization of pathologic processes in the sagittal section through the caudothalamic groove, Naidich TP; Yousefzadeh DK; Gusnard DA; Naidich JB, *Radiology* 1986; 161: 615
- syringobulbia extending to the basal ganglia, Valentini MC; Forni C; Bracchi M, *AJNR* 1988; 9: 205
- use of cerebrospinal fluid gating to improve T2-weighted images, part II: temporal lobes, basal ganglia, and brain stem, Enzmann DR; Rubin JB; O'Donohue J; Griffin C; Drace J; Wright A, *Radiology* 1987; 162: 768
- Basal ganglia, calcification**
- AIDS: calcification of the basal ganglia in infants and children, (ab), Belman AL; Lantos G; Horoupian D; et al, *Radiology* 1987; 164: 887
- dystonia and calcification of the basal ganglia, (ab), Larsen TA; Dunn HG; Jan JE; et al, *Radiology* 1986; 158: 860
- unilateral calcification and contrast enhancement of the basal ganglia in a child with AIDS encephalopathy, Epstein LG; Berman CZ; Sharer LR; et al, *AJNR* 1987; 16: 163
- Basal ganglia, CT**
- CT appearance of low attenuation areas in basal ganglia in childhood: report of 23 cases, Campistol J; Fernandez-Alvarez E; Rusalleda J, *Comput Radiol* 1987; 11: 229
- Basal ganglia, MR studies**
- basal ganglia involvement in subacute sclerosing panencephalitis: CT and MR demonstration, Woodward KG; Weinberg PE; Lipton HL, *JCAT* 1988; 12: 489
- basal ganglia lesions in methanol poisoning: MR appearance, Koopmans RA; Li DK; Pety DW, *JCAT* 1988; 12: 168
- magnetic resonance imaging appearances of basal ganglia lesions in carbon monoxide poisoning, Davis PL, *Magn Res Imag* 1986; 4: 489
- Battered children**
- See Children, injuries; Infants, injuries
- Behcet disease**
- Behcet's syndrome involving the gastrointestinal tract—diagnostic dilemma in childhood, Stringer DA; Cleghorn GJ; Durie PR; et al, *Pediatr Radiol* 1986; 16: 131
- Behcet's syndrome masquerading as tumor, Litvan I; Roig C; Rovira A; et al, *Neuroradiol* 1987; 29: 103
- case of the bulging Bulgarian, Halpern Z; Averbuch M; Pajo J; et al, *Br J Radiol* 1986; 59: 187
- colonic localization of indium-111 labeled leukocytes in active Behcet's disease, Harre RG; Conrad GR; Seabold JE, *Clin Nucl Med* 1988; 13: 459
- CT and MR imaging in neuro-Behcet disease, Willeit J; Schmutzhard E; Aichner F; et al, *JCAT* 1986; 10: 313
- neuro-Behcet's disease with alternating hemiparesis, Kuroiwa Y; Tohgi H; Kanayama H; et al, *Neuroradiol* 1986; 28: 284
- pacemaker implantation in a patient with a Behcet's disease associated with superior vena cava obstruction, Or I; Roguin N; Yahalom M; et al, *Cardiovasc Intervent Radiol* 1986; 9: 13
- ultrasonographic appearance of the liver in hepatic venous outflow obstruction (Budd-Chiari syndrome): case of pseudohepatic infarct associated with Behcet's disease, Nakayama S; Sakata J; Kusumoto S; et al, *JCU* 1986; 14: 300
- Bile**
- bile, bile acids, and gallstones: will new knowledge bring new power?, Hofmann AF, *AJR* 1988; 151: 5
- bile leakage over the hepatic surface detected by hepatobiliary imaging, Nakajima K; Tonami N; Hisada K; et al, *Clin Nucl Med* 1986; 11: 358
- cholescintigraphic detection of intraperitoneal bile leakage from a perforated duodenal ulcer, Westley KA; Straub WH; Keyes JW Jr, *Clin Nucl Med* 1987; 12: 781
- inspissated bile in a neonate with cystic fibrosis, Davies CH; Daneman A; Stringer DA, *J Ultrasound Med* 1986; 5: 335
- intrahepatic bile leak producing delayed accumulation of technetium-99m DTPA in an amebic liver abscess, Prakash R; Jena A; Behari V; et al, *Clin Nucl Med* 1986; 11: 360
- relationship between duodenal bile acids and colorectal neoplasia, (ab), Moorehead RJ; Campbell GR; Donaldson JD; et al, *Radiology* 1988; 168: 291
- Bile duct radiography**
- bile duct obstruction: radiologic evaluation of level, cause, and tumor resectability, Gibson RH; Yeung E; Thompson JN; Carr DH; Hemingway AP; Bradpiece HA; Benjamin JS; Blumgart LH; Allison DJ, *Radiology* 1986; 160: 43

Bile duct radiography

- cholangiographic findings in hepatic artery occlusion after liver transplantation, Zajko AB; Campbell WL; Logsdon GA; et al. *AJR* 1987; 149: 485
- common bile duct stones: reassessment of criteria for CT diagnosis, Baron RL. *Radiology* 1987; 162: 419
- comparison of intraoperative ultrasonography and cholangiography in detection of small common bile duct stones, (ab), Chardavoyne R; Kumari-Subhaya S; Auguste LJ; et al. *Radiology* 1988; 166: 908
- demonstration of intrabiliary rupture of hepatic hydatid cysts by retrograde cholangiography, Doyle TCA; Roberts-Thomson IC; Dudley FJ. *Australas Radiol* 1988; 32: 92
- diagnosis and treatment of jaundice, May GR; James EM; Bender CE; Williams HJ Jr; Adson MA. *Radiographics* 1986; 6: 847
- endoscopic retrograde cholangiography with a balloon catheter: analysis of 100 consecutive cases, Yoshimoto H; Ikeda S; Tanaka M; Matsumoto S; Nakayama F. *Radiology* 1986; 159: 53
- imaging of choledocholithiasis, Cronan JJ, Semin US CT MR 1987; 8: 75
- intraoperative and postoperative cholangiography, Letourneau JG; Thompson WM, Semin US CT MR 1987; 8: 126
- left subphrenic crescent sign in direct cholangiography, Iko BO. *Clin Radiol* 1987; 38: 549
- patient selection and complications of transhepatic cholangiography, (ab), Baumgartner F; Williams RA; Wilson SE. *Radiology* 1988; 167: 290
- percutaneous cholecystostomy: diagnostic and therapeutic efficacy, Vogelzang RL; Nemcek AA Jr. *Radiology* 1988; 168: 29
- percutaneous transhepatic cholangiography and biliary drainage after liver transplantation: five-year experience, Zajko AB; Bron KM; Campbell WL; et al. *Gastrointest Radiol* 1987; 12: 137
- percutaneous transhepatic cholangiography in the investigation of the persistent postoperative bile leak, Kissin CM; Grundy A. *Gastrointest Radiol* 1987; 12: 215
- pitfalls in cholangiographic interpretation, Turner MA; Cho S-R; Messmer JM. *Radiographics* 1987; 7: 1067
- radiolucency in the common bile duct simulating a gallstone, Train JS; Novick A; Dan SJ; et al. *AJR* 1987; 148: 136
- refractory afferent loop problems: percutaneous transhepatic cholangiography of two cases, Lee LI; Teplick SK; Haskin PH; Sammon JK; Wolferth C; Amron G. *Radiology* 1987; 165: 49
- segmental biliary obstruction: false-negative diagnosis with direct cholangiography without US guidance, Gibney RG; Cooperberg PL; Scudamore CH; Nagy AG. *Radiology* 1987; 164: 27
- ultrasonically guided percutaneous transhepatic transcholecystocholangiography in the nondilated biliary tree, Illescas FF; Braun SD; Cohan RH; et al. *Gastrointest Radiol* 1986; 11: 77
- Bile duct radiography, contrast media**
- adverse reactions to iotroxate at intravenous cholangiography: a prospective clinical investigation and review of the literature, Nilsson U. *Acta Radiol* 1987; 28: 571
- endoscopic retrograde cholangiography with a balloon catheter: analysis of 100 consecutive cases, Yoshimoto H; Ikeda S; Tanaka M; Matsumoto S; Nakayama F. *Radiology* 1986; 159: 53
- limited usefulness of carbon dioxide as a contrast agent for cholangiography, Smith TP; Young AT; Hunter DW; et al. *Gastrointest Radiol* 1987; 12: 43
- Bile duct radiography, intraoperative**
- digitized intra-operative video-fluoroscopy cholangiography: an analysis of 100 cases, Fork F-T; Bååth L; Borgström A; et al. *Acta Radiol* 1987; 28: 719
- intraoperative and postoperative cholangiography, Letourneau JG; Thompson WM, Semin US CT MR 1987; 8: 126
- requiem for the routine operative cholangiogram. (editorial), (ab), Gerber A. *Radiology* 1987; 163: 289
- routine intraoperative cholangiogram, (ab), Kitahama A; Kerstein MD; Overby JL; et al. *Radiology* 1986; 160: 856
- Bile duct radiography, technology**
- accuracy of percutaneous transhepatic cholangiography (P.T.C.) using the Chiba needle in the diagnosis of level and cause of cholestasis, Juttijudata P; Palavatana C; Chiemchaisri C; et al. *Australas Radiol* 1986; 30: 24
- common bile duct obstruction: assessment by transcholecystic cholangiography, Teplick SK; Haskin PH; Sammon JK; Clearfield HR; Borowsky LM; Gambescia RA; Zitomer N; Goldstein RC. *Radiology* 1986; 161: 135
- diagnostic and therapeutic percutaneous gallbladder procedures, vanSonnenberg E; Wittich GR; Casola G; Princenthal RA; Hofmann AF; Keightley A; Wing VW. *Radiology* 1986; 160: 23
- optimal cholangiographic technique for detecting bile duct stones, Thompson WM; Halvorsen RA Jr; Foster WL Jr; et al. *AJR* 1986; 146: 537
- pre-operative intravenous cholangiography as an alternative to routine operative cholangiography in elective cholecystectomy, Daly J; Fitzgerald T; Simpson CJ. *Clin Radiol* 1987; 38: 161
- Bile ducts**
- See also Gallbladder
- enlarged common hepatic duct secondary to morphine in a neonate, Schlesinger AE; Null DM. *Pediatr Radiol* 1988; 18: 235
- Bile ducts, abnormalities**
- anomalous hepatic duct inserting into the cystic duct, Reid SH; Cho S-R; Shaw C-L; et al. *AJR* 1986; 147: 1181
- anomalous insertion of the right hepatic duct into the cystic duct demonstrated by hepatobiliary imaging, Reitz MD; Vasinraep P. *Clin Nucl Med* 1988; 13: 61
- apparent gut excretion of Tc-99m-DISIDA in a case of extrahepatic biliary atresia, Williamson SL; Seibert JJ; Butler HL; et al. *Pediatr Radiol* 1986; 16: 245
- biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J. *Radiology* 1987; 163: 377
- biliary tract duplication cyst with gastric heterotopia, Grumbach K; Baker DH; Weigert J; et al. *Pediatr Radiol* 1988; 18: 357
- bilio-pancreatic common channel in children: clinical, biological and radiological findings in 12 children, Suarez F; Bernard O; Gauthier F; et al. *Pediatr Radiol* 1987; 17: 206
- Caroli disease: high-frequency US and pathologic findings, Marchal GJF; Desmet VJ; Proesmans W; Moerman PL; Van Roost WW; Van Holsbeek MT; Baert AL. *Radiology* 1986; 158: 507
- case of biliary atresia and polysplenia: evaluation by hepatobiliary scintigraphy, Sullivan RF; Madell SJ; Oates E; et al. *Clin Nucl Med* 1987; 12: 55
- choledochal cyst with biliary atresia in an infant, Lam AH; Lam VK. *Australas Radiol* 1987; 31: 384
- gallbladder and bile duct abnormalities in AIDS: sonographic findings in eight patients, Romano AJ; vanSonnenberg E; Casola G; et al. *AJR* 1988; 150: 123
- gallbladder contraction in biliary atresia, Weinberger E; Blumhagen JD; Odell JM. *AJR* 1987; 149: 401
- interhepatic duct: new biliary anomaly, Gibney RG; Nichols DM; Osborne JC; et al. *Gastrointest Radiol* 1987; 12: 134
- interposition of the gallbladder—or the absent common hepatic duct and cystic duct, Stringer DA; Dobranowski J; Ein SH; et al. *Pediatr Radiol* 1987; 17: 151
- pancreatic-duct reflux and acute gallstone pancreatitis, (ab), Armstrong CP; Taylor TV. *Radiology* 1987; 162: 586
- radiographic assessment of anomalous bile ducts, Sussman SK; Hall FM; Elboim CM. *Gastrointest Radiol* 1986; 11: 269
- radiologic assessment of bile duct complications in liver transplantation: initial experience, Olutola PS; Hutton L; Wall WJ. *J Canad Assoc Radiol* 1986; 37: 276
- radiolucency in the common bile duct simulating a gallstone, Train JS; Novick A; Dan SJ; et al. *AJR* 1987; 148: 136
- scintigraphic demonstration of accessory hepatic duct leak following liver transplantation, Von Moll LK; Juni JE; Merion RM. *J Nucl Med* 1988; 29: 259
- ultrasound findings in biliary atresia in children: study with surgical correlation in 86 cases, (ab), Brun P; Gauthier F; Boucher D; et al. *Radiology* 1986; 158: 283
- Bile ducts, anatomy**
- etiologic significance of anatomic variations in the main intrahepatic bile ducts in hepatolithiasis, Koga A; Watanabe K; Takiguchi S; et al. *Acta Radiol* 1987; 28: 285
- intrahepatic bile duct and portal vein anatomy revisited, Bret PM; de Stempel JV; Atri M; Lough JO; Illescas FF. *Radiology* 1988; 169: 405
- sonographic parallel channel sign: a reappraisal, Bressler EL; Rubin JM; McCracken S. *Radiology* 1987; 164: 343
- Bile ducts, biopsy**
- fine needle aspiration biopsy in malignant obstructive jaundice, Cohan RH; Illescas FF; Braun SD; et al. *Gastrointest Radiol* 1986; 11: 145
- fine-needle aspiration biopsy: pancreatic and biliary tumors, Hall-Craggs MA; Lees WR. *AJR* 1986; 147: 399
- fine-needle aspiration biopsy via percutaneous transhepatic catheterization: technique and clinical results, Kuroda C; Yoshioka H; Tokunaga K; et al. *Gastrointest Radiol* 1986; 11: 81
- percutaneous pancreaticobiliary biopsies in 173 patients using primarily ultrasound or fluoroscopic guidance, Teplick SK; Haskin PH; Kline TS; et al. *Cardiovasc Intervent Radiol* 1988; 11: 26
- transcatheter biopsy of lesions obstructing the bile ducts, Cope C; Marinelli DL; Weinstein JK. *Radiology* 1988; 169: 555
- Bile ducts, calculi**
- adjuncts and modifications to basket retrieval of retained biliary calculi, Kadir S; Gadacz TK. *Cardiovasc Intervent Radiol* 1987; 10: 295
- advances in hepatobiliary radiology, Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ. *Radiology* 1988; 168: 319
- bile duct measurements after ceruletid as an aid to the ultrasound diagnosis of choledocholithiasis, Mendelson RM; Tobin MV; Gilmore IT. *Gastrointest Radiol* 1988; 13: 41
- biliary lithotripsy by extracorporeal shock waves: integral part of nonsurgical intervention, Burhenne HJ; Fache JS; Gibney RG; et al. *AJR* 1988; 150: 1279
- biliary lithotripsy: preliminary experience and prospects, Burhenne HJ. *Radiology* 1988; 168: 336
- biliary lithotripsy with a mechanical lithotripter, Ho C-S; Yee AC; McLoughlin MJ. *Radiology* 1987; 165: 791
- bypass of obstructing bile duct calculus by an endoprosthesis inserted via a T-tube track, Adam A; Yeung E; McCarthy P; et al. *Cardiovasc Intervent Radiol* 1988; 11: 170
- choledocholithiasis—an ultrasonic study with comparative evaluation with ERCP/PTC, Bhargava S; Vashisht S; Kakaria A; et al. *Australas Radiol* 1988; 32: 220
- choledocholithiasis in children, Brunelle F, Semin US CT MR 1987; 8: 118
- choledocholithiasis: percutaneous pulverization with a high-speed rotational catheter, Wholey MH; Smoot S. *AJR* 1988; 150: 129
- choledocholithiasis: successful treatment with extracorporeal lithotripsy, Gelfand DW; McCullough DL; Myers RT; et al. *AJR* 1987; 148: 1114
- choledocholithiasis: treatment with extracorporeal shock wave lithotripsy, Becker CD; Fache JS; Gibney RG; Scudamore CH; Burhenne HJ. *Radiology* 1987; 165: 407
- combined surgical and radiologic intervention for complicated cholelithiasis in high-risk patients, Gibney RG; Fache JS; Becker CD; Nichols DM; Cooperberg PL; Stoller JL; Burhenne HJ. *Radiology* 1987; 165: 715

- combined treatment of stone-obstructed hepatico-jejunostomy with interventional techniques and ESWL, Vorwerk D; Günther RW; Fischer N; et al, *Cardiovasc Intervent Radiol* 1988; 11: 72
- common bile duct calculi: updated experience with dissolution with methyl tertiary butyl ether, Brandon JC; Teplick SK; Haskin PH; Sammon JK; Muhr WF; Hofmann AF; Gambesica RA; Zitomer N, *Radiology* 1988; 166: 665
- common bile duct stone dissolution with methyl tertiary butyl ether: experience with three patients, Teplick SK; Haskin PH; Goldstein RC; et al, *AJR* 1987; 148: 372
- common bile duct stones: reassessment of criteria for CT diagnosis, Baron RL, *Radiology* 1987; 162: 419
- comparison of intraoperative ultrasonography and cholangiography in detection of small common bile duct stones, (ab), Chardavoyne R; Kumari-Subhaya S; Auguste LJ; et al, *Radiology* 1988; 166: 908
- CT diagnosis of choledocholithiasis, Baron RL, *Semin US CT MR* 1987; 8: 85
- diagnosis and treatment of choledochocoele complicated by choledocholithiasis (case report), Becker CD; Nagy AG; Gibney RG; et al, *Gastrointest Radiol* 1987; 12: 322
- etiologic significance of anatomic variations in the main intrahepatic bile ducts in hepatolithiasis, Koga A; Watanabe K; Takiguchi S; et al, *Acta Radiol* 1987; 28: 285
- gallbladder and bile duct stones: percutaneous therapy with primary MTBE dissolution and mechanical methods, vanSonnenberg E; Casola G; Zakko SF; Varney RR; Cox J; Wittich RG; Hofmann AF, *Radiology* 1988; 169: 505
- hepatic abscess due to occult biliary stones, Barek L; Orron DE; Behar DJ, *CT* 1987; 11: 31
- hepatobiliary imaging in choledocholithiasis: comparison with ultrasound, Colletti PM; Ralls FW; Lapin SA; et al, *Clin Nucl Med* 1986; 11: 482
- hepatolithiasis complicated by cholangiocarcinoma, Radin DR; Ray MJ; Ralls FW; et al, *CT* 1987; 11: 315
- imaging of choledocholithiasis, Cronan JJ, *Semin US CT MR* 1987; 8: 75
- improved sonographic visualization of choledocholithiasis, Dong B; Chen M, *JCU* 1987; 15: 185
- interventional radiology of the biliary tract: a decade of progress, Mueller PR, *Radiology* 1988; 168: 328
- nonoperative methods of common duct stone management, Haskin PH; Teplick SK, *Semin US CT MR* 1987; 8: 134
- non-Western patterns of biliary stones and the role of ascariasis, Schulman A, *Radiology* 1987; 162: 425
- optimal cholangiographic technique for detecting bile duct stones, Thompson WM; Halvorsen RA Jr; Foster WL Jr; et al, *AJR* 1986; 146: 537
- percutaneous removal of residual intrahepatic stones, Park JH; Choi BI; Han MC; Sung KB; Choo IW; Kim CW, *Radiology* 1987; 163: 619
- transhepatic balloon dilation of the distal common bile duct and ampulla of Vater for removal of calculi, Berkman WA; Bishop AF; Palagallo GL; Cashman MD, *Radiology* 1988; 167: 453
- treatment of bile duct stones by extracorporeal shock waves, Sauerbruch T; Holl J; Sackmann M; et al, *Semin US CT MR* 1987; 8: 155
- treatment of retained cystic duct stones using extracorporeal shockwave lithotripsy, Becker CD; Fache JS; Gibney RG; et al, *AJR* 1987; 148: 1121
- ultrasound detection of choledocholithiasis: prospective comparison with ERCP in the postcholecystectomy patient, O'Connor HJ; Hamilton J; Ellis WR; et al, *Gastrointest Radiol* 1986; 11: 161
- ultrasound diagnosis of choledocholithiasis, Laing FC, *Semin US CT MR* 1987; 8: 103
- US diagnosis of choledocholithiasis: reappraisal, Cronan JJ, *Radiology* 1986; 161: 133
- use of angioplasty balloons in the percutaneous management of biliary calculi: tandem-balloon method, Saeed M; Newman GE; Dunnick NR, *AJR* 1987; 148: 745
- Bile ducts, CT**
- acalculous inflammatory disease of the biliary tree in acquired immunodeficiency syndrome: CT demonstration, Radin DR; Cohen H; Halls JM, *JCAT* 1987; 11: 775
- AIDS-related cholangitis: radiographic findings in nine patients, Dolmatch BL; Laing FC; Federle MP; Jeffrey RB Jr; Cello J, *Radiology* 1987; 163: 313
- appearances of multiple biliary hamartomas of the liver (von Meyenberg complexes) on computed tomography, Cooke JC; Cooke DAP, *Clin Radiol* 1987; 38: 101
- bile duct obstruction: radiologic evaluation of level, cause, and tumor resectability, Gibson RN; Yeung E; Thompson JN; Carr DH; Hemingway AP; Bradpiece HA; Benjamin IS; Blumgart LH; Allison DJ, *Radiology* 1986; 160: 43
- biliary cystadenoma with mesenchymal stroma: CT and angiographic appearance, Jenkins SM; Tucker JA; Seigler HF; et al, *JCAT* 1988; 12: 527
- biliary neoplasm simulating dilated bile ducts: role of computed tomography and ultrasound, Pastakia B; Shawker TH; Horvath K, *J Ultrasound Med* 1987; 6: 333
- cholangiocarcinoma: imaging by MR, Doms GC; Kerlan RK Jr; Hricak H; Wall SD; Margulis AR, *Radiology* 1986; 159: 89
- common bile duct stones: reassessment of criteria for CT diagnosis, Baron RL, *Radiology* 1987; 162: 419
- comparative study of computed tomography and ERCP in pancreaticobiliary disease, Tobin RS; Vogelzang RL; Gore RM; et al, *CT* 1987; 11: 261
- computed tomography examination of periaampullary neoplasms, Darweesh RMA; Thorsen MK; Dodds WJ; et al, *CT* 1988; 12: 36
- contrast layering in a choledochal cyst: a new CT observation, Wolfe BK, *J Canad Assoc Radiol* 1988; 39: 51
- CT and sonography of multiple bile-duct hamartomas simulating malignant liver disease (case report), Eisenberg D; Hurwitz L; Yu AC, *AJR* 1986; 147: 279
- CT demonstration of giant choledochal cysts in adults, Farman J; Javors B; Chao P; et al, *JCAT* 1987; 11: 771
- CT diagnosis of choledocholithiasis, Baron RL, *Semin US CT MR* 1987; 8: 85
- diagnosis and treatment of jaundice, May GR; James EM; Bender CE; Williams HJ Jr; Adson MA, *Radiographics* 1986; 6: 847
- evaluation of common bile duct diameter using high resolution computed tomography, Co CS; Shea WJ Jr; Goldberg HL, *JCAT* 1986; 10: 424
- hepatic lobar atrophy following obstruction of the ipsilateral portal vein from hilar cholangiocarcinoma, Takayasu K; Muramatsu Y; Shima Y; Moriyama N; Yamada T; Makuuchi M, *Radiology* 1986; 160: 389
- intrahepatic bile duct and portal vein anatomy revisited, Bret PM; de Stempel JV; Atri M; Lough JO; Illescas FF, *Radiology* 1988; 169: 405
- Mirizzi syndrome with common septum: ultrasound and computed tomography findings, Hilger DJ; Versteeg KR; Beatty PJ, *J Ultrasound Med* 1988; 7: 409
- non-Western patterns of biliary stones and the role of ascariasis, Schulman A, *Radiology* 1987; 162: 425
- radiologic demonstration of Caroli's disease: case report, Takaki Y; Takahashi M; Ueno S; et al, *CT* 1986; 10: 153
- sclerosing cholangitis: CT findings, Teeffey SA; Baron RL; Rohrmann CA; Shuman WP; Freeny PC, *Radiology* 1988; 169: 635
- suprapancreatic biliary obstruction: CT evaluation, Reiman TH; Balfe DM; Weyman PJ, *Radiology* 1987; 163: 49
- suprapancreatic biliary obstruction: CT evaluation, Gibson RN, *Radiology* 1987; 163: 875
- suprapancreatic biliary obstruction: CT evaluation: reply, Balfe DM; Reiman TH; Weyman PJ, *Radiology* 1987; 163: 875
- ultrasonography and computed tomography for diagnosis and follow-up of biliary duct rhabdomyosarcomas in children, Geoffroy A; Couanet D; Montagne JP; et al, *Pediatr Radiol* 1987; 17: 127
- ultrasonography and CT of multiple bile duct hamartomas simulating dilated intrahepatic ducts, Aronson AM; Rosen IE; McKee JD; et al, *J Canad Assoc Radiol* 1988; 39: 26
- Bile ducts, cysts**
- bile ascites from a ruptured choledochal cyst detected by hepatobiliary imaging, Aburano Y; Taniguchi M; Hisada K; et al, *Clin Nucl Med* 1988; 13: 366
- cholangiocarcinoma in a choledochal cyst: preoperative diagnosis, Montana MA; Rohrmann CA, *AJR* 1986; 147: 516
- choledochal cyst with biliary atresia in an infant, Lam AH; Lam VK, *Australas Radiol* 1987; 31: 384
- contrast layering in a choledochal cyst: a new CT observation, Wolfe BK, *J Canad Assoc Radiol* 1988; 39: 51
- CT demonstration of giant choledochal cysts in adults, Farman J; Javors B; Chao P; et al, *JCAT* 1987; 11: 771
- diagnosis and treatment of choledochocoele complicated by choledocholithiasis (case report), Becker CD; Nagy AG; Gibney RG; et al, *Gastrointest Radiol* 1987; 12: 322
- hematobilia due to a pseudoaneurysm complicating a choledochal cyst, Eliac EH; Weiss GM, *AJR* 1988; 151: 783
- Bile ducts, diseases**
- biliary dilatation: defining the level and cause by real-time US, Laing FC; Jeffrey RB Jr; Wing VW; Nyberg DA, *Radiology* 1986; 160: 39
- Caroli disease: high-frequency US and pathologic findings, Marchal GJ; Desmet VJ; Proesmans WC; Moerman PL; Van Roost WW; Van Holsbeek MT; Baert AL, *Radiology* 1986; 158: 507
- congenital hepatic fibrosis with saccular dilatation of intrahepatic bile ducts and infantile polycystic kidneys, Davies CH; Stringer DA; Whyte H; et al, *Pediatr Radiol* 1986; 16: 302
- cytomegalovirus infection of the alimentary canal: radiologic findings with pathologic correlation, Teikdor HS; Honig CL; Nonsoph E; Albert S; Mouradian JA; Whalen JP, *Radiology* 1987; 163: 317
- hepatocyst versus biliary disease: a distinction by deconvolutional analysis of technetium-99m IDA time-activity curves, Brown PH; Juni JE; Lieberman DA; et al, *J Nucl Med* 1988; 29: 623
- percutaneous biliary drainage in diffuse Caroli's disease (case report), Rose SC; Kumpe DA; Weil R III, *AJR* 1986; 147: 159
- percutaneous transhepatic sphincterotomy in the management of biliary tract disease, Cobourn C; Makowka L; Ho C-S; et al, *Gastrointest Radiol* 1986; 11: 273
- primary biliary cirrhosis: Tc-99m IDA planar and SPECT scanning, Keefe EB; Lieberman DA; Krishnamurthy S; Krishnamurthy GT; Gilbert SA, *Radiology* 1988; 166: 143
- radiologic demonstration of Caroli's disease: case report, Takaki Y; Takahashi M; Ueno S; et al, *CT* 1986; 10: 153
- right upper quadrant pain and tenderness in a young man, Middleton WD; Inouye LW; Picus D, *Invest Radiol* 1986; 21: 670
- sclerosing cholangitis: CT findings, Teeffey SA; Baron RL; Rohrmann CA; Shuman WP; Freeny PC, *Radiology* 1988; 169: 635
- Bile ducts, endoscopic drainage**
- biliary decompression: institutional comparison of percutaneous and endoscopic methods, Stanley JM; Gobien RP; Cunningham J; Andriole J, *Radiology* 1986; 158: 195
- percutaneous transhepatic biliary endoscopic procedures, Smith TP; Rosel PW; Hunter DW; et al, *Gastrointest Radiol* 1987; 12: 144
- Bile ducts, enlarged**
- AIDS-related cholangitis: radiographic findings in nine patients, Dolmatch BL; Laing FC; Federle MP; Jeffrey RB Jr; Cello J, *Radiology* 1987; 163: 313
- bile-duct dilatation after laparotomy: potential effect of intestinal hypomotility, Raptopoulos V; Smith EH; Cummings T; et al, *AJR* 1986; 147: 729

Bile ducts, enlarged

- bile duct dilatation and immunodeficiency in children. report of four cases, (ab), Garel L; Brunelle F; Fischer A; et al, *Radiology* 1986; 158: 283
- biliary dilatation: defining the level and cause by real-time US, Laing FC; Jeffrey RB Jr; Wing VW; Nyberg DA, *Radiology* 1986; 160: 39
- biliary stricture dilatation: multicenter review of clinical management in 73 patients, Mueller PR; vanSonnenberg E; Ferrucci JT Jr; Weyman PJ; Butch RJ; Malt RA; Burhenne HJ, *Radiology* 1986; 160: 17
- case report: bile duct carcinoma in a focal dilatation of the intrahepatic bile duct, Horie Y; Hirayama C; Katsube Y, *Clin Radiol* 1987; 38: 209
- cholangiocarcinoma arising in a choledochal cyst: diagnostic value of computed tomography and ultrasonography, Ginaldi S, *Gastrointest Radiol* 1987; 12: 212
- demonstration of segmental bile duct dilatation on technetium-99m sulfur colloid imaging, Leekam RN; Shankar L; Bayley TA, *Clin Nucl Med* 1986; 11: 735
- dilatation of the common bile duct secondary to a hydronephrotic kidney, Cohen LM; Sachs L; Hill MC, *CT* 1986; 10: 291
- hemobilia: cause of false-negative ductal dilatation, Laffey PA; Teplick SK; Haskin PH, *JCU* 1986; 14: 636
- Mirizzi syndrome with common septum: ultrasound and computed tomography findings, Hilger DJ; Versteeg KR; Beatty PJ, *J Ultrasound Med* 1988; 7: 409
- MR imaging of the dilated biliary tract, Dooms GC; Fisher MR; Higgins CB; Hricak H; Goldberg HI; Margulis AR, *Radiology* 1986; 158: 337
- non-Western patterns of biliary stones and the role of ascariasis, Schulman A, *Radiology* 1987; 162: 425
- percutaneous cholecystography in children, Garel LA; Belli D; Grognon A; Roy CC, *Radiology* 1987; 165: 639
- percutaneous transjejunal biliary dilatation: alternate management for benign strictures, Russell E; Yrizarry JM; Huber JS; Nunez D Jr; Hutson DG; Schiff E; Reddy KR; Jeffers LJ; Williams A, *Radiology* 1986; 159: 209
- sonographic parallel channel sign: a reappraisal, Bressler EL; Rubin JM; McCracken S, *Radiology* 1987; 164: 343
- utility of image-directed Doppler ultrasound in the evaluation of the "parallel channel" sign, Levy HM; Dobkin GR; Doubilet PM, *JCU* 1988; 16: 424
- Bile ducts, hemorrhage**
- demonstration of hemobilia using technetium-99m labeled red blood cells, Lee SM; Lee RGL; Clouse ME; et al, *Clin Nucl Med* 1986; 11: 52
- hemobilia: a disease in evolution, (ab), Czerniak A; Thompson JN; Hemingway AP; et al, *Radiology* 1988; 169: 585
- hemobilia associated with hepatic artery aneurysms: scintigraphic detection with technetium-99m-labeled red blood cells, Jackson DE Jr; Floyd JL; Levesque PH, *J Nucl Med* 1986; 27: 491
- hemobilia: cause of false-negative ductal dilatation, Laffey PA; Teplick SK; Haskin PH, *JCU* 1986; 14: 636
- hemobilia: unusual cause of segmental bile duct obstruction, Jackson DE Jr; Floyd JL, *Clin Nucl Med* 1986; 11: 77
- ultrasound of hemobilia: a clinical and experimental study, Laffey PA; Brandon JC; Teplick SK; et al, *JCU* 1988; 16: 167
- unusual cause of haemobilia, Dock W; Grabenwöger F; Bardach G; et al, *Br J Radiol* 1987; 60: 1228
- upper gastrointestinal bleeding from the biliary tract (hemobilia): detection by technetium-99m DTPA, Al-Sheikh AR; Ericson S; Bahar RH; et al, *Clin Nucl Med* 1987; 12: 791
- Bile ducts, inflammation**
- See Cholangitis
- Bile ducts, injuries**
- complete transection of the common bile duct diagnosed by endoscopic retrograde cholangiography, Neeman A; Koren A; Reiss R; et al, *Gastrointest Radiol* 1988; 13: 167
- demonstration of post-traumatic bile leak using technetium-99m DISIDA, Savitch I; Esser JD; Springolo E; et al, *Clin Nucl Med* 1986; 11: 873
- detection of bile leakage from traumatic right hepatic duct laceration with technetium-99m DISIDA cholescintigraphy, Salam M; Glowinski JV; Vetto RM; et al, *Clin Nucl Med* 1987; 12: 589
- spontaneous extrahepatic biliary duct perforation in infancy, Fawcett HD; Hayden CK Jr; Swischuk LE; et al, *J Canad Assoc Radiol* 1986; 37: 206
- ultrasonographic detection of spontaneous perforation of the extrahepatic bile ducts in infancy, Bahia JO; Boal DKB; Karl SR; et al, *Pediatr Radiol* 1986; 16: 157
- Bile ducts, interventional procedure**
- advances in hepatobiliary radiology, Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ, *Radiology* 1988; 168: 319
- animal model for radiologic biliary interventional procedures, Becker CD; Burhenne HJ, *Invest Radiol* 1988; 23: 30
- anterior approach to celiac plexus block during interventional biliary procedures, Lieberman RP; Nance PN; Cuka DJ, *Radiology* 1988; 167: 562
- balloon catheter dilatation of stenotic common bile duct anastomoses in the pig: preliminary investigation, Nilsson U; Ekelund L; Hammarstrom L-E; et al, *Acta Radiol* 1987; 28: 115
- benign postoperative biliary strictures: dilation with fluoroscopic guidance, Williams HJ Jr; Bender CE; May GR, *Radiology* 1987; 163: 629
- biliary complications after liver transplantation in patients with preexisting sclerosing cholangitis, Letourneau JG; Day DL; Hunter DW; Ascher NL; Najarian JS; Thompson WM; Castaneda-Zuniga WR, *Radiology* 1988; 167: 349
- biliary decompression: institutional comparison of percutaneous and endoscopic methods, Stanley JM; Gobien RP; Cunningham J; Andriole J, *Radiology* 1986; 158: 195
- biliary drainage: conversion of external to internal drainage, Morita S; Matsumoto S; Soejima T; Odani R; Yokota T, *Radiology* 1988; 167: 267
- biliary drainage endoprosthesis: experience with 201 placements, Lammer J; Neumayer K, *Radiology* 1986; 159: 625
- biliary stricture dilatation: multicenter review of clinical management in 73 patients, Kadir S; White RJ Jr, *Radiology* 1987; 162: 286
- bilioleural fistula as a complication of percutaneous biliary drainage: experimental evidence for pleural inflammation, (ab), Strange C; Allen ML; Freedland PN; et al, *Radiology* 1988; 168: 884
- bronchobiliary fistula: complete percutaneous treatment with biliary drainage and stricture dilation, Schwartz ML; Coyle MJ; Aldrete JS; Keller FS, *Radiology* 1988; 168: 751
- bypass of obstructing bile duct calculus by an endoprosthesis inserted via a T-tube track, Adam A; Yeung E; McCarthy P; et al, *Cardiovasc Intervent Radiol* 1988; 11: 170
- can the newer interventional procedures replace cholecystectomy for cholecystolithiasis? the potential role of percutaneous cystic duct ablation, Becker GJ; Kopecky KK, *Radiology* 1988; 167: 275
- choledocholithiasis: percutaneous pulverization with a high-speed rotational catheter, Wholey MH; Smoot S, *AJR* 1988; 150: 129
- choledocholithiasis: treatment with extracorporeal shock wave lithotripsy, Becker CD; Fache JS; Gibney RG; Scudamore CH; Burhenne HJ, *Radiology* 1987; 165: 407
- combined surgical and radiologic intervention for complicated cholelithiasis in high-risk patients, Gibney RG; Fache JS; Becker CD; Nichols DM; Cooperberg PL; Stoller JL; Burhenne HJ, *Radiology* 1987; 165: 715
- combined treatment of stone-obstructed hepaticojejunostomy with interventional techniques and ESWL, Vorwerk D; Günther RW; Fischer N; et al, *Cardiovasc Intervent Radiol* 1988; 11: 72
- common bile duct calculi: updated experience with dissolution with methyl tertiary butyl ether, Brandon JC; Teplick SK; Haskin PH; Sammon JK; Muhr WF; Hofmann AF; Gambesia RA; Zitomer N, *Radiology* 1988; 166: 665
- complications of percutaneous biliary drainage: benign vs malignant diseases, Yee ACN; Ho C-S, *AJR* 1987; 148: 1207
- diagnosis and treatment of jaundice, May GR; James EM; Bender CE; Williams HJ Jr; Adson MA, *Radiographics* 1986; 6: 847
- diagnostic and therapeutic percutaneous gallbladder procedures, vanSonnenberg E; Wittich GR; Casola G; Princenthal RA; Hofmann AF; Keightley A; Wing VW, *Radiology* 1986; 160: 23
- duodenal perforation as a delayed complication of placement of a biliary endoprosthesis, Gould J; Train JS; Dan SJ; Mitty HA, *Radiology* 1988; 167: 467
- exchange of occluded catheters with transcatheter and pericatheter maneuvers, Lee AS; vanSonnenberg E; Wittich GR; Casola G, *Radiology* 1987; 163: 273
- gallbladder and bile duct stones: percutaneous therapy with primary MTBE dissolution and mechanical methods, vanSonnenberg E; Casola G; Zakko SF; Varney RR; Cox J; Wittich GR; Hofmann AF, *Radiology* 1988; 169: 505
- infected bile lakes following pediatric liver transplantation: nonsurgical management, Rollins NK; Andrews WS; Currarino G; Miller RH; Smith TH; Redman HC, *Radiology* 1988; 166: 169
- infectious complications of percutaneous biliary drainage, Cohan RH; Illescas FF; Saeed M; et al, *Invest Radiol* 1986; 21: 705
- interventional radiology of the biliary tract: a decade of progress, Mueller PR, *Radiology* 1988; 168: 328
- long-term occlusion of the porcine cystic duct by means of endoluminal radio-frequency electrocoagulation, Becker CD; Quenville NF; Burhenne HJ, *Radiology* 1988; 167: 63
- malignant pleural effusion: complication of transhepatic biliary drainage, Anschuetz SL; Vogelzang RL, *AJR* 1986; 146: 1165
- managing difficult common bile duct problems with the help of the interventional radiologist, Gibney RG; Fache JS; Burhenne HJ; et al, *Australas Radiol* 1988; 32: 77
- non-surgical palliative treatment of patients with malignant biliary obstruction—the place of endoscopic and percutaneous drainage, Laméris JS; Stoker J; Dees J; et al, *Clin Radiol* 1987; 38: 603
- occurrence of cholangitis after percutaneous biliary drainage: evaluation of some risk factors, (ab), Audisio RA; Bozzetti F; Severini A; et al, *Radiology* 1988; 169: 286
- pain control after percutaneous biliary drainage: local infiltration with bupivacaine and epinephrine, Lieberman RP; Sledner PR, *AJR* 1986; 146: 595
- percutaneous biliary drainage: complications of 118 consecutive catheterizations, Hamlin JA; Friedman M; Stein MG; Bray JF, *Radiology* 1986; 158: 199
- percutaneous biliary drainage in acute suppurative cholangitis, Nunez D Jr; Guerra JJ Jr; Al-Sheikh WA; et al, *Gastrointest Radiol* 1986; 11: 85
- percutaneous biliary drainage in diffuse Caroli's disease (case report), Rose SC; Kumpe DA; Weil R III, *AJR* 1986; 147: 159
- percutaneous cholecystostomy: diagnostic and therapeutic efficacy, Vogelzang RL; Nemcek AA Jr, *Radiology* 1988; 168: 29
- percutaneous diagnostic and therapeutic interventional radiologic procedures in children: experience in 100 patients, vanSonnenberg E; Wittich GR; Edwards DK; Casola G; Hilton SV; Self TW; Keightley A; Withers C, *Radiology* 1987; 162: 601
- percutaneous dilation of benign biliary strictures, Moore AV Jr; Illescas FF; Mills SR; Wertman DE; Heaston DK; Newman GE; Zuger JH; Salmon RB; Dunnick NR, *Radiology* 1987; 163: 625

- percutaneous drainage access: simplified coaxial technique, vanSonnenberg E; Wittich GR; Schiffrin HR; Cabrera OA; Willson SA; Quinn SF; Casola G; Hayne LA; Polansky AD. *Radiology* 1986; 159: 266
- percutaneous transhepatic balloon dilatation of benign biliary strictures, Trambert JJ; Bron KM; Zajko AB; et al. *AJR* 1987; 149: 945
- percutaneous transhepatic cholangiography and biliary drainage after liver transplantation: five-year experience, Zajko AB; Bron KM; Campbell WL; et al. *Gastrointest Radiol* 1987; 12: 137
- percutaneous transhepatic choledochostomy in a patient with a biliary obstruction, McNeely GF; Dickhaus AJ; Colella JP; Hawkins IF JR. *Radiology* 1986; 161: 274
- percutaneous transhepatic sphincterotomy in the management of biliary tract disease, Cobourn C; Makowka L; Ho C-S; et al. *Gastrointest Radiol* 1986; 11: 273
- percutaneous transhepatic biliary dilatation: alternate management for benign strictures, Russell E; Yrizarry JM; Huber JS; Nunez D Jr; Hutson DG; Schiff E; Reddy KR; Jeffers LJ; Williams A. *Radiology* 1986; 159: 209
- percutaneous transhepatic catheterization of roux-en-Y biliary-jejunal anastomoses, Maroney TP; Ring EJ. *Radiology* 1987; 164: 151
- refractory afferent loop problems: percutaneous transhepatic management of two cases, Lee LI; Teplick SK; Haskin PH; Sammon JK; Wolferth C; Amron G. *Radiology* 1987; 165: 49
- review article: percutaneous transhepatic biliary drainage: experience with 311 procedures, Günther RW; Schild H; Thelen M. *Cardiovasc Intervent Radiol* 1988; 11: 65
- risks of percutaneous transhepatic drainage in patients with cholangitis, Lois JF; Gomes AS; Grace PA; et al. *AJR* 1987; 148: 367
- silicone biliary stents, Iaccarino V; Niola R; Porta E. *AJR* 1987; 148: 741
- solution to a knotty biliary drainage problem, Teplick SK; Haskin PH. *Br J Radiol* 1986; 59: 511
- spiral-shaped biliary endoprosthesis: initial study, Yeung EYC; Adam A; Gibson RN; Benjamin IS; Allison DJ. *Radiology* 1988; 168: 365
- transhepatic balloon dilation of the distal common bile duct and ampulla of Vater for removal of calculi, Berkman WA; Bishop AF; Palagallo GL; Cashman MD. *Radiology* 1988; 167: 453
- treatment of iatrogenic biliary obstruction by balloon dilatation of a biliary jejunal fistula, Zajko AB; Bron KM; Campbell WL. *Cardiovasc Intervent Radiol* 1987; 10: 28
- use of angioplasty balloons in the percutaneous management of biliary calculi: tandem-balloon method, Saeed M; Newman GE; Dunnick NR. *AJR* 1987; 148: 745
- use of large silicone catheters in patients with long-term percutaneous transhepatic biliary drainage, Bret PM; Bretagnolle M; Fond A; et al. *Cardiovasc Intervent Radiol* 1986; 9: 57
- Bile ducts, leakage**
- demonstration of post-traumatic bile leak using technetium-99m DISIDA, Savitch I; Esser JD; Springolo E; et al. *Clin Nucl Med* 1986; 11: 873
- detection of bile leakage from traumatic right hepatic duct laceration with technetium-99m DISIDA cholecistigraphy, Salam M; Glowinski JV; Vetto RM; et al. *Clin Nucl Med* 1987; 12: 589
- different patterns for bile leakage following cholecystectomy demonstrated by hepatobiliary imaging, Siddiqui AR; Ellis JH; Madura JA. *Clin Nucl Med* 1986; 11: 751
- percutaneous transhepatic cholangiography in the investigation of the persistent postoperative bile leak, Kissin CM; Grundy A. *Gastrointest Radiol* 1987; 12: 215
- Bile ducts, MR studies**
- cholangiocarcinoma: imaging by MR, Dooms GC; Kerlan RK Jr; Hricak H; Wall SD; Margulis AR. *Radiology* 1986; 159: 89
- MR imaging of normal extrahepatic bile ducts, Spritzer CE; Kressel HY; Mitchell D; et al. *JCAT* 1987; 11: 248
- MR imaging of the dilated biliary tract, Dooms GC; Fisher MR; Higgins CB; Hricak H; Goldberg HI; Margulis AR. *Radiology* 1986; 158: 337
- Bile ducts, neoplasms**
- bile duct obstruction: radiologic evaluation of level, cause, and tumor resectability, Gibson RN; Yeung E; Thompson JN; Carr DH; Hemingway AP; Bradpiece HA; Benjamin IS; Blumgart LH; Allison DJ. *Radiology* 1986; 160: 43
- biliary cystadenoma with mesenchymal stroma: CT and angiographic appearance, Jenkins SM; Tucker JA; Seigler HF; et al. *JCAT* 1988; 12: 527
- biliary drainage endoprosthesis: experience with 201 placements, Lammer J; Neumayer K. *Radiology* 1986; 159: 625
- biliary neoplasm simulating dilated bile ducts: role of computed tomography and ultrasound, Pastakia B; Shawker TH; Horvath K. *J Ultrasound Med* 1987; 6: 333
- carcinoma of the extrahepatic biliary system—results of primary and adjuvant radiotherapy, Fields JN; Emami B. *Int J Radiat Oncol Biol Phys* 1987; 13: 331
- carcinoma of the hepatopancreatic ampullary region: role of US, Robledo R; Prieto ML; Pérez M; Camúñez F; Echenagusia A. *Radiology* 1988; 166: 409
- case report: bile duct carcinoma in a focal dilatation of the intrahepatic bile duct, Horie Y; Hirayama C; Katsube Y. *Clin Radiol* 1987; 38: 209
- cholangiocarcinoma arising in a choledochal cyst: diagnostic value of computed tomography and ultrasonography, Ginaldi S. *Gastrointest Radiol* 1987; 12: 212
- cholangiocarcinoma as a late complication of choledochointerostomy anastomoses, Herba MJ; Casola G; Bret PM; et al. *AJR* 1986; 147: 513
- cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances, Lumsden AB; Alspaugh JP. *Radiology* 1986; 158: 856
- cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances: reply, MacCarty RL. *Radiology* 1986; 158: 856
- cholangiocarcinoma: imaging by MR, Dooms GC; Kerlan RK Jr; Hricak H; Wall SD; Margulis AR. *Radiology* 1986; 159: 89
- cholangiocarcinoma in a choledochal cyst: preoperative diagnosis, Montana MA; Rohrmann CA. *AJR* 1986; 147: 516
- common bile duct stones: reassessment of criteria for CT diagnosis, Baron RL. *Radiology* 1987; 162: 419
- computed tomography examination of perianastomotic neoplasms, Darweesh RMA; Thorsen MK; Dadds WJ; et al. *CT* 1988; 12: 36
- definitive radiation therapy in bile duct carcinoma, Hayes JK Jr; Sapozink MD; Miller FJ. *Int J Radiat Oncol Biol Phys* 1988; 15: 735
- fine needle aspiration biopsy in malignant obstructive jaundice, Cohan RH; Illescas FF; Braun SD; et al. *Gastrointest Radiol* 1986; 11: 145
- hepatic lobar atrophy following obstruction of the ipsilateral portal vein from hilar cholangiocarcinoma, Takayasu K; Muramatsu Y; Shima Y; Moriyama N; Yamada T; Makuuchi M. *Radiology* 1986; 160: 389
- hepatolithiasis complicated by cholangiocarcinoma, Radin DR; Ray MJ; Ralls PW; et al. *CT* 1987; 11: 315
- imaging diagnosis of bile duct cystadenocarcinoma, (ab), Takayasu K; Muramatsu Y; Moriyama N; et al. *Radiology* 1988; 169: 287
- malignant biliary obstruction: intracavitary treatment with a high-dose-rate remote afterloading device, Haffty BG; Mate TP; Greenwood LH; Peschet RE; Weissberg JB. *Radiology* 1987; 164: 574
- mucin-hypersecreting intrahepatic biliary neoplasms, Kokubo T; Imai Y; Ohtomo K; Itoh K; Kawauchi N; Minami M. *Radiology* 1988; 168: 609
- multi-modality treatment of primary nonresectable intrahepatic cholangiocarcinoma with ¹³¹I anti-CEA—radiation therapy oncology group study, Stillwagon GB; Order SE; Klein JL; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 687
- non-surgical palliative treatment of patients with malignant biliary obstruction—the place of endoscopic and percutaneous drainage, Laméris JS; Stoker J; Dees J; et al. *Clin Radiol* 1987; 38: 603
- peripheral cholangiocarcinoma and cholangitis: CT findings, Choi BI; Park JH; Kim YL; Yu ES; Kim SH; Kim WH; Kim CY; Han MC. *Radiology* 1988; 169: 149
- primary common bile duct carcinoma: demonstration by computerized tomography, ultrasonography and angiography, Alexander IA; Thomson KR; Kune GA. *Australas Radiol* 1986; 30: 34
- recurrent cholangiocarcinoma in the biliary tree after liver transplantation, Herbener T; Zajko AB; Koneru B; Bron KM; Campbell WL. *Radiology* 1988; 169: 641
- sclerosing cholangitis: CT findings, Teefey SA; Baron RL; Rohrmann CA; Shuman WP; Freeny PC. *Radiology* 1988; 169: 635
- sonographic diagnosis of Klatskin tumors, Machan L; Müller NL; Cooperberg PL. *AJR* 1986; 147: 509
- transcatheter biopsy of lesions obstructing the bile ducts, Cope C; Marinelli DL; Weinstein JK. *Radiology* 1988; 169: 555
- ultrasonography and computed tomography for diagnosis and follow-up of biliary duct rhabdomyosarcomas in children, Geoffroy A; Couanet D; Montagne JP; et al. *Pediatr Radiol* 1987; 17: 127
- ultrasound appearance of biliary rhabdomyosarcoma, Williams AG Jr; Sheward SE. *JCU* 1986; 14: 63
- Bile ducts, obstruction**
- See Bile ducts, stenosis or obstruction
- Bile ducts, percutaneous drainage**
- See Bile ducts, interventional procedure
- Bile ducts, prostheses**
- biliary drainage endoprosthesis: experience with 201 placements, Lammer J; Neumayer K. *Radiology* 1986; 159: 625
- biliary endoprosthesis blockage: clearance using a 22-gauge needle (technical note), Gibson RN. *AJR* 1986; 147: 404
- Carey-Coons percutaneous biliary endoprosthesis: three-centre experience in 87 patients, Dick R; Platts A; Gilford J; et al. *Clin Radiol* 1987; 38: 175
- duodenal perforation as a delayed complication of placement of a biliary endoprosthesis, Gould J; Train JS; Dan SJ; Mitty HA. *Radiology* 1988; 167: 467
- insertion of a large-caliber biliary endoprosthesis via the T-tube tract (technical note), Sammon JK; Teplick SK; Haskin PH. *AJR* 1986; 147: 164
- in vitro long-term perfusion of different materials for biliary endoprosthesis, Lammer J; Stoffer G; Petek WW; et al. *Invest Radiol* 1986; 21: 329
- spiral-shaped biliary endoprosthesis: initial study, Yeung EYC; Adam A; Gibson RN; Benjamin IS; Allison DJ. *Radiology* 1988; 168: 365
- technical note: percutaneous transhepatic removal of biliary endoprosthesis using a snare, Kadir S; Kauffmann GW. *Cardiovasc Intervent Radiol* 1988; 11: 39
- transhepatic removal of obstructed Carey-Coons biliary endoprosthesis, Brown AS; Mueller FR; Ferrucci JT Jr. *Radiology* 1986; 159: 555
- use of the modified Cope introduction set for transhepatic removal of obstructed Carey-Coons biliary endoprosthesis, Adam A. *Clin Radiol* 1987; 38: 171
- Bile ducts, radionuclide studies**
- anomalous insertion of the right hepatic duct into the cystic duct demonstrated by hepatobiliary imaging, Reitz MD; Vasinraep P. *Clin Nucl Med* 1988; 13: 61
- apparent gut excretion of Tc-99m-DISIDA in a case of extrahepatic biliary atresia, Williamson SL; Seibert JJ; Butler HL; et al. *Pediatr Radiol* 1986; 16: 245

- bile leakage over the hepatic surface detected by hepatobiliary imaging. Nakajima K; Tonami N; Hisada K; et al, *Clin Nucl Med* 1986; 11: 358
- biliary obstruction after cholecystectomy: diagnosis with quantitative cholescintigraphy. Kloiber R; AuCoin R; Hershfield NB; Logan K; Molnar CP; Blair KM; Shaffer EA, *Radiology* 1988; 169: 643
- case of biliary atresia and polysplenia: evaluation by hepatobiliary scintigraphy. Sullivan RF; Madell SJ; Oates E; et al, *Clin Nucl Med* 1987; 12: 55
- demonstration of hemobilia using technetium-99m labeled red blood cells. Lee SM; Lee RGL; Clouse ME; et al, *Clin Nucl Med* 1986; 11: 52
- demonstration of post-traumatic bile leak using technetium-99m DISIDA. Savitch I; Esser JD; Springolo E; et al, *Clin Nucl Med* 1986; 11: 873
- demonstration of segmental bile duct dilatation on technetium-99m sulfur colloid imaging. Leekam RN; Shankar L; Bayley TA, *Clin Nucl Med* 1986; 11: 735
- detection of bile leakage from traumatic right hepatic duct laceration with technetium-99m DISIDA cholescintigraphy. Salam M; Glowinski JV; Vetto RM; et al, *Clin Nucl Med* 1987; 12: 589
- different patterns for bile leakage following cholecystectomy demonstrated by hepatobiliary imaging. Siddiqui AR; Ellis JH; Madura JA, *Clin Nucl Med* 1986; 11: 751
- functional causes of the ductal obstructive pattern on hepatobiliary scans. Ford KB; Porter BA; Stadalnik RC; et al, *Clin Nucl Med* 1987; 12: 713
- hepatobiliary imaging after Whipple's operation. Abu-Nema T; Al-Suhaili A; Abdel-Dayem HM, *Clin Nucl Med* 1986; 11: 572
- hepatobiliary imaging in choledocholithiasis: comparison with ultrasound. Colletti PM; Ralls PW; Lapin SA; et al, *Clin Nucl Med* 1986; 11: 482
- hepatobiliary imaging to demonstrate drainage patterns in a patient with an indwelling hepatic catheter. Shen S-W; Gross MD; Richmond B, *J Nucl Med* 1987; 28: 1055
- hepatocyte versus biliary disease: a distinction by deconvolutional analysis of technetium-99m IDA time-activity curves. Brown PH; Juni JE; Lieberman DA; et al, *J Nucl Med* 1988; 29: 623
- intrahepatic bile leak producing delayed accumulation of technetium-99m DISIDA in an amebic liver abscess. Prakash R; Jena A; Behari V; et al, *Clin Nucl Med* 1986; 11: 360
- positive predictive value of cholescintigraphy in common bile duct obstruction. Lecklitner ML; Austin AR; Benedetto AR; et al, *J Nucl Med* 1986; 27: 1403
- primary biliary cirrhosis: Tc-99m IDA planar and SPECT scanning. Keefe EB; Lieberman DA; Krishnamurthy S; Krishnamurthy GT; Gilbert SA, *Radiology* 1988; 166: 143
- scintigraphic demonstration of accessory hepatic duct leak following liver transplantation. Von Moll LK; Juni JE; Merion RM, *J Nucl Med* 1988; 29: 259
- septo-optic dysplasia: recognition of causes of false-positive hepatobiliary scintigraphy in neonatal jaundice. Kumura D; Miller JH; Sinatra FR, *J Nucl Med* 1987; 28: 966
- sequential hepatobiliary scintigraphy demonstrating apparent transient biliary obstruction. Jacobson AF; Cronin EB; Holman BL, *J Nucl Med* 1987; 28: 1775
- technetium-99m BIDA biliary scintigraphy in the evaluation of the jaundiced patient. Lee AW; Ram MD; Shih W-J; et al, *J Nucl Med* 1986; 27: 1407
- technetium-99m DISIDA hepatobiliary tract imaging in pseudotumors of the liver. Patel CR, *Clin Nucl Med* 1987; 12: 777
- upper gastrointestinal bleeding from the biliary tract (hemobilia): detection by technetium-99m DTPA. Al-Suhaili AR; Ericson S; Bahar RH; et al, *Clin Nucl Med* 1987; 12: 791
- Bile ducts, size**
- daytime constancy of bile duct diameter. Raptopoulos V; Smith EH; Karellas A; et al, *AJR* 1987; 148: 557
- evaluation of common bile duct diameter using high resolution computed tomography. Co CS; Shea WJ Jr; Goldberg HI, *JCAT* 1986; 10: 424
- sonographic parallel channel sign: a reappraisal. Bresler EL; Rubin JM; McCracken S, *Radiology* 1987; 164: 343
- unchanged size of a dilated common bile duct after a fatty meal: results and significance. Willson SA; Gosink BB; vanSonnenberg E, *Radiology* 1986; 160: 29
- Bile ducts, stenosis or obstruction**
- acute intrahepatic biliary obstruction caused by hydatid cysts: correlation between various imaging techniques. Bahar RH; Al-Mohannadi S; Wafai I; et al, *Clin Nucl Med* 1988; 13: 334
- AIDS-related cholangitis: radiographic findings in nine patients. Dolmatch BL; Laing FC; Federle MP; Jeffrey RB Jr; Cello J, *Radiology* 1987; 163: 313
- arteriohepatic dysplasia. Singcharoen T; Partridge J; Jeans WD; et al, *Br J Radiol* 1986; 59: 509
- balloon catheter dilatation of stenotic common bile duct anastomoses in the pig: preliminary investigation. Nilsson U; Ekelund L; Hammarstrom L-E; et al, *Acta Radiol* 1987; 28: 115
- benign postoperative biliary strictures: dilation with fluoroscopic guidance. Williams HJ Jr; Bender CE; May GR, *Radiology* 1987; 163: 629
- bile duct obstruction: radiologic evaluation of level, cause, and tumor resectability. Gibson RN; Yeung E; Thompson JN; Carr DH; Hemingway AP; Bradpiece HA; Benjamin IS; Blumgart LH; Allison DJ, *Radiology* 1986; 160: 43
- bile duct strictures associated with hepatic arterial infusion chemotherapy. Clark RA; Gallant TE, *Gastrointest Radiol* 1987; 12: 148
- biliary drainage endoprosthesis: experience with 201 placements. Lammer J; Neumayer K, *Radiology* 1986; 159: 625
- biliary obstruction after cholecystectomy: diagnosis with quantitative cholescintigraphy. Kloiber R; AuCoin R; Hershfield NB; Logan K; Molnar CP; Blair KM; Shaffer EA, *Radiology* 1988; 169: 643
- biliary obstruction caused by a papilloma of the common hepatic duct. Cardoza J; Schumpf J; Skoldstrand C; et al, *J Ultrasound Med* 1988; 7: 467
- biliary stricture dilatation: multicenter review of clinical management in 73 patients. Mueller PR; vanSonnenberg E; Ferrucci JT Jr; Weyman PJ; Butch RJ; Malt RA; Burhenne HJ, *Radiology* 1986; 160: 17
- biliary stricture dilatation: multicenter review of clinical management in 73 patients. Kadir S; White RI Jr, *Radiology* 1987; 162: 286
- biliary tract obstruction in the acquired immunodeficiency syndrome. (ab). Margulis SJ; Honig CL; Soave R; et al, *Radiology* 1987; 163: 289
- causes of jaundice during hepatic artery infusion chemotherapy. Anderson SD; Holley HC; Berland LL; Van Dyke JA; Stanley RJ, *Radiology* 1986; 161: 439
- cholangiocarcinoma as a late complication of choledochenteric anastomoses. Herba MJ; Casola G; Bret PM; et al, *AJR* 1986; 147: 513
- choledochal varices. Kim S; Chew FS, *AJR* 1988; 150: 578
- common bile duct obstruction: assessment by transcholecystic cholangiography. Teplick SK; Haskin PH; Sammon JK; Clearfield HR; Borowsky LM; Gambesca RA; Zitomer N; Goldstein RC, *Radiology* 1986; 161: 135
- common bile duct stones: reassessment of criteria for CT diagnosis. Baron RL, *Radiology* 1987; 162: 419
- discordant hepatic uptake of Tc-99m HIDA and Tc-99m colloid in a patient with segmental biliary obstruction. Aburano T; Taniguchi M; Hisada K; et al, *Clin Nucl Med* 1988; 13: 599
- duodenal perforation as a delayed complication of placement of a biliary endoprosthesis. Gould J; Train JS; Dan SJ; Mitty HA, *Radiology* 1988; 167: 467
- endoscopic retrograde cholangiography with a balloon catheter: analysis of 100 consecutive cases. Yoshimoto H; Ikeda S; Tanaka M; Matsumoto S; Nakayama F, *Radiology* 1986; 159: 53
- Everting balloon catheter in the biliary tree: technical note. Alspaugh JP; Martin LG; Chuang VP, *Cardiovasc Intervent Radiol* 1986; 9: 164
- fatty-meal sonography for evaluating patients with suspected partial common duct obstruction. Darweesh RMA; Dodds WJ; Hogan WJ; et al, *AJR* 1988; 151: 63
- functional causes of the ductal obstructive pattern on hepatobiliary scans. Ford KB; Porter BA; Stadalnik RC; et al, *Clin Nucl Med* 1987; 12: 713
- hemobilia: unusual cause of segmental bile duct obstruction. Jackson DE Jr; Floyd JL, *Clin Nucl Med* 1986; 11: 77
- hepatocyte versus biliary disease: a distinction by deconvolutional analysis of technetium-99m IDA time-activity curves. Brown PH; Juni JE; Lieberman DA; et al, *J Nucl Med* 1988; 29: 623
- malignant biliary obstruction: intracavitary treatment with a high-dose-rate remote afterloading device. Haffty BG; Mate TP; Greenwood LH; Peschel RE; Weissberg JB, *Radiology* 1987; 164: 574
- median hepatotomy using ultrasonic dissection for complex hepatobiliary problems. (ab). Fiddian-Green RG; Siviski PR; Karol SV, *Radiology* 1988; 169: 880
- non-surgical palliative treatment of patients with malignant biliary obstruction—the place of endoscopic and percutaneous drainage. Laméris JS; Stoker J; Dees J; et al, *Clin Radiol* 1987; 38: 603
- obstructive jaundice from open vessel clip. Davis M; Hart B; Kleinman R, *Gastrointest Radiol* 1988; 13: 259
- partial biliary obstruction caused by chronic pancreatitis: an appraisal of indications for surgical biliary drainage. (ab). Stahl TJ; Allen MO; Ansel HJ; et al, *Radiology* 1988; 168: 883
- partial biliary obstruction due to adenomyoma of the terminal common bile duct. Gilbert LA; Park YS; Allyn KM, *Clin Nucl Med* 1986; 11: 216
- percutaneous cholecystography in children. Garel LA; Belli D; Grognon A; Roy CC, *Radiology* 1987; 165: 639
- percutaneous cholecystostomy: diagnostic and therapeutic efficacy. Vogelzang RL; Nemcek AA Jr, *Radiology* 1986; 168: 29
- percutaneous dilation of benign biliary strictures. Moore AV Jr; Illescas FF; Mills SR; Wertman DE; Heaston DK; Newman GE; Zuger JH; Salmon RB; Dunnick NR, *Radiology* 1987; 163: 625
- percutaneous removal of residual intrahepatic stones. Park JH; Choi BI; Han MC; Sung KB; Choo IW; Kim CW, *Radiology* 1987; 163: 619
- percutaneous transhepatic balloon dilatation of benign biliary strictures. Trambert JJ; Bron KM; Zajko AB; et al, *AJR* 1987; 149: 945
- percutaneous transhepatic cholecystostomy in a patient with a biliary obstruction. McNeely GF; Dickhaus AJ; Colella JP; Hawkins IF JR, *Radiology* 1986; 161: 274
- percutaneous transhepatic sphincterotomy in the management of biliary tract disease. Cobourn C; Makowka L; Ho C-S; et al, *Gastrointest Radiol* 1986; 11: 273
- positive predictive value of cholescintigraphy in common bile duct obstruction. Lecklitner ML; Austin AR; Benedetto AR; et al, *J Nucl Med* 1986; 27: 1403
- primary biliary cirrhosis: Tc-99m IDA planar and SPECT scanning. Keefe EB; Lieberman DA; Krishnamurthy S; Krishnamurthy GT; Gilbert SA, *Radiology* 1988; 166: 143
- refractory afferent loop problems: percutaneous transhepatic management of two cases. Lee LI; Teplick SK; Haskin PH; Sammon JK; Wolferth C; Amron G, *Radiology* 1987; 165: 49
- resection of hepatic duct bifurcation and transhepatic stenting for sclerosing cholangitis. (ab). Cameron JL; Pitt HA; Zinner MJ; et al, *Radiology* 1988; 169: 880

- segmental biliary obstruction: false-negative diagnosis with direct cholangiography without US guidance, Gibney RG; Cooperberg PL; Scudamore CH; Nagy AG. *Radiology* 1987; 164: 27
- sequential hepatobiliary scintigraphy demonstrating apparent transient biliary obstruction, Jacobson AF; Cronin EB; Holman BL. *J Nucl Med* 1987; 28: 1775
- sonographic features of bile plug syndrome, Pfeiffer WR; Robinson LH; Balsara VJ. *J Ultrasound Med* 1986; 5: 161
- sonography of gallstones and biliary dilatation without a visible aetiology: the infrequency of obstructing choledocholithiasis, Cabrera O; vanSonnenberg E; Wittich GR; et al. *Eur J Radiol* 1988; 8: 34
- spiral-shaped biliary endoprosthesis: initial study, Yeung EYC; Adam A; Gibson RN; Benjamin IS; Allison DJ. *Radiology* 1988; 168: 365
- suprapancreatic biliary obstruction: CT evaluation, Reiman TH; Balfe DM; Weyman PJ. *Radiology* 1987; 163: 49
- suprapancreatic biliary obstruction: CT evaluation, Gibson RN. *Radiology* 1987; 165: 875
- suprapancreatic biliary obstruction: CT evaluation: reply, Balfe DM; Reiman TH; Weyman PJ. *Radiology* 1987; 165: 875
- transhepatic removal of obstructed Carey-Coons biliary endoprosthesis, Brown AS; Mueller PR; Ferrucci JT Jr. *Radiology* 1986; 159: 555
- treatment of iatrogenic biliary obstruction by balloon dilatation of a biliary jejunal fistula, Zajko AB; Bron KM; Campbell WL. *Cardiovasc Intervent Radiol* 1987; 10: 28
- ultrasonography of acute obstructive suppurative cholangitis: serial observation by ultrasound, Ishida H; Yagisawa H; Nasu H; et al. *JCU* 1987; 15: 51
- ultrasound diagnosis of ruptured hydatid cyst of the liver with biliary obstruction, Camunez F; Sino G; Robledo R; et al. *Gastrointest Radiol* 1986; 11: 330
- unchanged size of a dilated common bile duct after a fatty meal: results and significance, Willson SA; Gosink BB; vanSonnenberg E. *Radiology* 1986; 160: 29
- variant of the Mirizzi syndrome, Prober A; Cozocov C; Barkai M. *Br J Radiol* 1988; 61: 331
- Bile ducts, stone extraction**
- adjuncts and modifications to basket retrieval of retained biliary calculi, Kadir S; Gadacz TR. *Cardiovasc Intervent Radiol* 1987; 10: 295
- bile duct stones: percutaneous transhepatic removal, Clouse ME; Stokes KR; Lee RGL; Falchuk KR. *Radiology* 1986; 160: 525
- common bile duct calculi: updated experience with dissolution with methyl tertiary butyl ether, Brandon JC; Teplick SK; Haskin PH; Sammon JK; Muhr WF; Hofmann AF; Gambescia RA; Zitomer N. *Radiology* 1988; 166: 665
- dual-balloon technique for nonoperative removal of retained biliary stones, Alsapagh JP; Chuang VP; Martin LG; et al. *Cardiovasc Intervent Radiol* 1986; 9: 161
- early removal of retained biliary stone without T-tube removal: case report, Burke DR; Meranze SG. *Cardiovasc Intervent Radiol* 1988; 11: 36
- gallbladder and bile duct stones: percutaneous therapy with primary MTBE dissolution and mechanical methods, vanSonnenberg E; Casola G; Zakko SF; Varney RR; Cox J; Wittich GR; Hofmann AF. *Radiology* 1988; 169: 505
- monooctanoin infusion and stone removal through the transparenchymal tract: use in 17 patients, Haskin PH; Teplick SK; Sammon JK; et al. *AJR* 1987; 148: 185
- percutaneous removal of residual intrahepatic stones, Park JH; Choi BI; Han MC; Sung KB; Choo IW; Kim CW. *Radiology* 1987; 163: 619
- removal of retained common bile duct stones with angiographic occlusion balloons, Meranze SG; Stein EJ; Burke DR; et al. *AJR* 1986; 146: 383
- transhepatic balloon dilation of the distal common bile duct and ampulla of Vater for removal of calculi, Berkman WA; Bishop AF; Palagallo GL; Cashman MD. *Radiology* 1988; 167: 453
- Bile ducts, surgery**
- celiac plexus block for interventional radiology, Whiteman MS; Rosenberg H; Haskin PH; Teplick SK. *Radiology* 1986; 161: 836
- percutaneous creation of a hepaticojunostomy, Laffey KJ; Bixon R; Price JB; et al. *Gastrointest Radiol* 1987; 12: 304
- percutaneous transjejunal catheterization of roux-en-Y biliary-jejunal anastomoses, Maroney TP; Ring EJ. *Radiology* 1987; 164: 151
- sonographic appearance of the pancreatic duct following transampullary septectomy, Braver JM; Jones TB; Brooks JR. *J Ultrasound Med* 1986; 5: 459
- Bile ducts, therapeutic radiology**
- carcinoma of the extrahepatic biliary system—results of primary and adjuvant radiotherapy, Fields JN; Emami B. *Int J Radiat Oncol Biol Phys* 1987; 13: 331
- definitive radiation therapy in bile duct carcinoma, Hayes JK Jr; Sapozink MD; Miller FJ. *Int J Radiat Oncol Biol Phys* 1988; 15: 735
- intracatheter hyperthermia and iridium-192 radiotherapy in the treatment of bile duct carcinoma, Wong JYC; Vora NL; Chou CK; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 353
- multi-modality treatment of primary nonresectable intrahepatic cholangiocarcinoma with ¹³¹I anti-CEA—radiation therapy oncology group study, Stillwagon GB; Order SE; Klein JL; et al. *Int J Radiat Oncol Biol Phys* 1987; 15: 687
- Bile ducts, US studies**
- AIDS-related cholangitis: radiographic findings in nine patients, Dolmatch BL; Laing FC; Federle MP; Jeffrey RB Jr; Cello J. *Radiology* 1987; 163: 313
- bile duct measurements after ceruletide as an aid to the ultrasound diagnosis of choledocholithiasis, Mendelson RM; Tobin MV; Gilmore IT. *Gastrointest Radiol* 1988; 13: 41
- bile duct obstruction: radiologic evaluation of level, cause, and tumor resectability, Gibson RN; Yeung E; Thompson JN; Carr DH; Hemingway AP; Bradpiece HA; Benjamin IS; Blumgart LH; Allison DJ. *Radiology* 1986; 160: 43
- biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J. *Radiology* 1987; 163: 377
- biliary dilatation: defining the level and cause by real-time US, Laing FC; Jeffrey RB Jr; Wing VW; Nyberg DA. *Radiology* 1986; 160: 39
- biliary neoplasm simulating dilated bile ducts: role of computed tomography and ultrasound, Pantakia B; Shawker TH; Horvath K. *J Ultrasound Med* 1987; 6: 333
- carcinoma of the hepatopancreatic ampullary region: role of US, Robledo R; Prieto ML; Pérez M; Camúñez F; Echenagusia A. *Radiology* 1988; 166: 409
- Caroli disease: high-frequency US and pathologic findings, Marchal GJF; Desmet VJ; Proesmans WC; Moerman PL; Van Roost WW; Van Holsbeeck MT; Baert AL. *Radiology* 1986; 158: 507
- choledocholithiasis—an ultrasonic study with comparative evaluation with ERCP/PTC, Bhargava S; Vashisht S; Kakaria A; et al. *Australas J Radiol* 1988; 32: 220
- combined surgical and radiologic intervention for complicated cholelithiasis in high-risk patients, Gibney RG; Fache JS; Becker CD; Nichols DM; Cooperberg PL; Stoller JL; Burhenne HJ. *Radiology* 1987; 165: 715
- comparison of intraoperative ultrasonography and cholangiography in detection of small common bile duct stones, (ab), Chardavoyne R; Kumari-Subhaya S; Auguste LJ; et al. *Radiology* 1988; 166: 908
- CT and sonography of multiple bile-duct hamartomas simulating malignant liver disease (case report), Eisenberg D; Hurwitz L; Yu AC. *AJR* 1986; 147: 279
- daytime constancy of bile duct diameter, Raptopoulos V; Smith EH; Karellas A; et al. *AJR* 1987; 148: 557
- diagnosis and treatment of jaundice, May GR; James EM; Bender CE; Williams HJ Jr; Adson MA. *Radiographics* 1986; 6: 847
- fatty meal in biliary tree diagnosis, Willson SA. *Semin US CT MR* 1987; 8: 114
- fatty-meal sonography for evaluating patients with suspected partial common duct obstruction, Darweesh RMA; Dodds WJ; Hogan WJ; et al. *AJR* 1988; 151: 63
- hemobilia: cause of false-negative ductal dilatation, Laffey PA; Teplick SK; Haskin PH. *JCU* 1986; 14: 636
- hepatobiliary imaging in choledocholithiasis: comparison with ultrasound, Colletti PM; Ralls PW; Lapin SA; et al. *Clin Nucl Med* 1986; 11: 482
- imaging of choledocholithiasis, Cronan JJ. *Semin US CT MR* 1987; 8: 73
- improved sonographic visualization of choledocholithiasis, Dong B; Chen M. *JCU* 1987; 15: 185
- intraoperative imaging of the biliary tree: sonography vs. operative cholangiography, Buckley AR; Scudamore CH; Becker CD; et al. *J Ultrasound Med* 1987; 6: 589
- Mirizzi syndrome with common septum: ultrasound and computed tomography findings, Hilger DJ; Versteeg KR; Beatty PJ. *J Ultrasound Med* 1988; 7: 409
- non-Western patterns of biliary stones and the role of ascariasis, Schulman A. *Radiology* 1987; 162: 425
- radiologic demonstration of Caroli's disease: case report, Takaki Y; Takahashi M; Ueno S; et al. *CT* 1986; 10: 133
- recurrent pyogenic cholangitis: ultrasound evaluation compared with endoscopic retrograde cholangiopancreatography, Chau EMT; Leong LLY; Chan FL. *Clin Radiol* 1987; 38: 79
- segmental biliary obstruction: false-negative diagnosis with direct cholangiography without US guidance, Gibney RG; Cooperberg PL; Scudamore CH; Nagy AG. *Radiology* 1987; 164: 27
- sonographic appearance of the pancreatic duct following transampullary septectomy, Braver JM; Jones TB; Brooks JR. *J Ultrasound Med* 1986; 5: 459
- sonographic diagnosis of Klatskin tumors, Machan L; Müller NL; Cooperberg PL. *AJR* 1986; 147: 509
- sonographic features of bile plug syndrome, Pfeiffer WR; Robinson LH; Balsara VJ. *J Ultrasound Med* 1986; 5: 161
- sonographic parallel channel sign: a reappraisal, Bressler EL; Rubin JM; McCracken S. *Radiology* 1987; 164: 343
- ultrasonic characteristics of tumefactive biliary sludge: thixotropic phenomenon, Ando H; Ito T. *JCU* 1986; 14: 289
- ultrasonographic detection of spontaneous perforation of the extrahepatic bile ducts in infancy, Bahia JO; Boal DKB; Kari SR; et al. *Pediatr Radiol* 1986; 16: 157
- ultrasonography and computed tomography for diagnosis and follow-up of biliary duct rhabdomyosarcomas in children, Geoffray A; Couanet D; Montagne JP; et al. *Pediatr Radiol* 1987; 17: 127
- ultrasonography and CT of multiple bile duct hamartomas simulating dilated intrahepatic ducts, Areson AM; Rosen IE; McKee JD; et al. *J Canad Assoc Radiol* 1988; 39: 26
- ultrasonography of acute obstructive suppurative cholangitis: serial observation by ultrasound, Ishida H; Yagisawa H; Nasu H; et al. *JCU* 1987; 15: 51
- ultrasound appearance of biliary rhabdomyosarcoma, Williams AG Jr; Sheward SE. *JCU* 1986; 14: 63
- ultrasound detection of choledocholithiasis: prospective comparison with ERCP in the postcholecystectomy patient, O'Connor HJ; Hamilton J; Ellis WR; et al. *Gastrointest Radiol* 1986; 11: 161
- ultrasound diagnosis of choledocholithiasis, Laing FC. *Semin US CT MR* 1987; 8: 103
- ultrasound findings in biliary atresia in children: study with surgical correlation in 86 cases, (ab), Brun P; Gauthier F; Boucher D; et al. *Radiology* 1986; 158: 283
- ultrasound of hemobilia: a clinical and experimental study, Laffey PA; Brandon JC; Teplick SK; et al. *JCU* 1988; 16: 167

Bile ducts, US studies

unchanged size of a dilated common bile duct after a fatty meal: results and significance, Willson SA; Gosink BB; vanSonnenberg E, *Radiology* 1986; 160: 29

US diagnosis of choledocholithiasis: reappraisal, Cronan JJ, *Radiology* 1986; 161: 133

utility of image-directed Doppler ultrasound in the evaluation of the "parallel channel" sign, Levy HM; Dobkin GR; Doubilet PM, *JCU* 1988; 16: 424

Biliary ducts

See Bile ducts

Biliary tract

See Bile ducts

Binswanger disease

See Brain, white matter

Biopsies

See also under names of specific organs, such as Liver, biopsy

fine needle aspiration biopsy: role of immediate cytologic assessment, Miller DA; Carrasco CH; Katz RL; et al, *AJR* 1986; 147: 155

lung lesions: cytologic diagnosis by fine-needle biopsy, Stanley JH; Fish GD; Andriole JC; Gobien RP; Betsill WL; Laden SA; Schabel SI, *Radiology* 1987; 162: 389

percutaneous needle biopsy in the diagnosis and classification of lymphoma, (ab), Erwin BC; Brynes RK; Chan WC; et al, *Radiology* 1986; 161: 288

reduction of radiation exposure during gastrointestinal biopsy procedures in children, Kushner DC; Herman TE; Cleveland RH; et al, *Invest Radiol* 1988; 23: 211

Biopsies, complications

air embolism complicating percutaneous thin needle biopsy of lung, (ab), Cianci P; Posin JP; Shimshak RR; et al, *Radiology* 1988; 167: 290

complications of transthoracic needle biopsy decreased with isobutyl 2-cyanoacrylate: a pilot study, (ab), Skupin A; Gomez F; Husain M; et al, *Radiology* 1987; 165: 883

cutaneous seeding of hepatocellular carcinoma after fine-needle aspiration biopsy, Onodera H; Oikawa M; Abe M; et al, *J Ultrasound Med* 1987; 6: 273

delayed complications from fine-needle biopsies of solid masses of the abdomen, Yankaskas BC; Staab EV; Craven MB; et al, *Invest Radiol* 1986; 21: 325

difficult thoracic lesions: CT-guided biopsy experience in 150 cases, vanSonnenberg E; Casola G; Ho M; Neff CC; Varney RR; Wittich GR; Christensen R; Friedman PJ, *Radiology* 1988; 167: 457

efficacy and complications of transthoracic needle biopsy of lung in patients with Pneumocystis carinii pneumonia and AIDS, Batra P; Wallace JM; Ovensfors C-O, *J Thorac Imag* 1987; 2: 79

migration of breast biopsy localization wire, Davis PS; Wechsler RJ; Feig SA; et al, *AJR* 1988; 150: 787

percutaneous transthoracic needle biopsy, Westcott JL, *Radiology* 1988; 169: 593

pneumothorax: radiologic treatment with small catheters, Casola G; vanSonnenberg E; Keightley A; Ho M; Withers C; Lee AS, *Radiology* 1988; 166: 89

postbiopsy arterial pseudoaneurysm in a renal allograft: detection by duplex sonography, Weissman J; Giyanani VL; Landreneau MD; et al, *J Ultrasound Med* 1988; 7: 515

postbiopsy pneumothorax: estimating the risk by chest radiography and pulmonary function tests, Fish GD; Stanley JH; Miller KS; et al, *AJR* 1988; 150: 71

prevesical hematoma: complication of prostatic biopsy, Choyke PL; Blei CL; Jaffe MH; et al, *Urol Radiol* 1986; 8: 32

renal biopsy—related hemorrhage: frequency and comparison of CT and sonography, Ralls PW; Barakos JA; Kaptein EM; et al, *JCAT* 1987; 11: 1031

seeding of malignant cells into the needle track after lung and pleural biopsy, Müller NL; Bergin CJ; Miller RR; et al, *J Canad Assoc Radiol* 1986; 37: 192

transcatheter embolization of liver capsule perforation during transvenous liver biopsy, Brailion A; Revert R; Remond A; et al, *Gastrointest Radiol* 1986; 11: 279

transthoracic needle aspiration biopsy: evaluation of the blood patch technique, Bourgouin PM; Shepard JO; McCloud TC; Spizarny DL; Dedrick CG, *Radiology* 1988; 166: 93

transthoracic needle aspiration biopsy: evaluation of the blood patch technique, Surprenant EL, *Radiology* 1988; 168: 285

transthoracic needle aspiration biopsy: evaluation of the blood patch technique: reply, Shepard JO; McCloud TC, *Radiology* 1988; 168: 285

ultrasonography of the kidney following renal biopsy in children, Nybønde T; Mortenson W, *Acta Radiol* 1988; 29: 151

unsuspected pheochromocytoma: risk of blood-pressure alterations during percutaneous adrenal biopsy, Casola G; Nicolet V; vanSonnenberg E; Withers C; Bretagnolle M; Saba RM, *Radiology* 1986; 159: 733

Biopsies, technology

aspiration biopsy of superficial lesions: ultrasonic guidance with a linear-array probe, Rizzato G; Solbati L; Croce F; et al, *AJR* 1987; 148: 623

belt device for simplified CT-guided puncture and biopsy: a technical note, Hruby W; Muschik H, *Cardiovasc Intervent Radiol* 1987; 10: 301

benign circumscribed lesions of the liver diagnosed by ultrasonically guided fine-needle biopsy, Spamer C; Brams H-J; Koch HK; et al, *JCU* 1986; 14: 83

complications of transthoracic needle biopsy decreased with isobutyl 2-cyanoacrylate: a pilot study, (ab), Skupin A; Gomez F; Husain M; et al, *Radiology* 1987; 165: 883

computed tomographic-guided stereotactic biopsy of thoracic lesions, Costello P; Onik G; Cosman E, *J Thorac Imag* 1987; 2: 27

CT body stereotaxis: aid for CT-guided biopsies, Onik G; Costello P; Cosman E; et al, *AJR* 1986; 146: 163

CT-directed rib biopsy, Hardy DC; Totty WG; Funk KC, *JCAT* 1987; 11: 994

CT-guided aspirations for the body: comparison of hand guidance with stereotaxis, Onik G; Cosman ER; Wells TH Jr; Goldberg HI; Moss AA; Costello P; Kane RA; Horvick WI; Demas B, *Radiology* 1988; 166: 389

CT guided transluminal fine needle aspiration biopsy, Adler OB; Engel A, *Eur J Radiol* 1987; 7: 101

difficult thoracic lesions: CT-guided biopsy experience in 150 cases, vanSonnenberg E; Casola G; Ho M; Neff CC; Varney RR; Wittich GR; Christensen R; Friedman PJ, *Radiology* 1988; 167: 457

effect of suction on biopsy sample size, Hueftle MG; Haaga JR, *AJR* 1986; 147: 1014

efficacy of embolic occlusion of needle tracks after biopsy, Hall FM; Simon M, *Radiology* 1988; 168: 581

efficacy of embolic occlusion of needle tracks after biopsy: reply, Chuang VP; Alspaugh JP, *Radiology* 1988; 168: 582

electron microscopy of ultrasound-guided fine-needle biopsy specimens, Sehested M; Juul N; Hainau B; et al, *Br J Radiol* 1987; 60: 351

fine-needle aspiration biopsy: pancreatic and biliary tumors, Hall-Craggs MA; Lees WR, *AJR* 1986; 147: 399

fine-needle aspiration biopsy via percutaneous transhepatic catheterization: technique and clinical results, Kuroda C; Yoshioka H; Tokunaga K; et al, *Gastrointest Radiol* 1986; 11: 81

fine-needle aspiration biopsy with a vacuum test tube, Fornage BD, *Radiology* 1988; 169: 553

intravascular tumors: transvenous biopsy, Withers CE; Casola G; Herba MJ; Vilorio J, *Radiology* 1988; 167: 713

liver biopsy embolization track: ultrasonic appearance, Carvalho P; Allison DJ, *JCU* 1988; 16: 426

liver biopsy through the femoral vein, Mewissen MW; Lipchik EO; Schreiber ER; Varma RR, *Radiology* 1988; 169: 842

localization grid for MR-guided biopsy, Hajek PC; Cyllys-Morin VM; Stavos J; vanSonnenberg E, *Radiology* 1987; 163: 825

localization grid for MR-guided biopsy, Widder DJ, *Radiology* 1988; 166: 581

MR-guided aspiration biopsy: needle design and clinical trials, Mueller PR; Stark DD; Simeone JF; Saini S; Butch RJ; Edelman RR; Wittenberg J; Ferrucci JT Jr, *Radiology* 1986; 161: 605

multiple simultaneous percutaneous needle biopsy (MSPNB) technique for masses of the abdomen and peritoneum, Moretini LB; Brown RW; Amparo EG; et al, *Eur J Radiol* 1987; 7: 98

new needle for MR-guided aspiration cytology of the head and neck, Lufkin RB; Teresi LM; Hanafey WN, *AJR* 1987; 149: 380

new needle for puncture biopsy, Qin D, *AJR* 1986; 147: 543

new technique for renal allograft biopsy, Ubhi CS; Irving HC; Guillou PJ; et al, *Br J Radiol* 1987; 60: 599

percutaneous liver biopsy and track embolization with steel coils, Allison DJ; Adam A, *Radiology* 1988; 169: 261

percutaneous needle biopsy of deep pelvic masses: posterior approach, Pades JC; Schneider M; Koizumi J; et al, *Cardiovasc Intervent Radiol* 1986; 9: 65

percutaneous pancreaticobiliary biopsies in 173 patients using primarily ultrasound or fluoroscopic guidance, Teplick SK; Haskin PH; Kline TS; et al, *Cardiovasc Intervent Radiol* 1988; 11: 26

percutaneous transthoracic needle biopsy, Westcott JL, *Radiology* 1988; 169: 593

preliminary experience with a dual cutting edge needle in thoracic percutaneous fine-needle aspiration biopsy, Weisbrod GL; Herman SJ; Tao L-C, *Radiology* 1987; 163: 75

pulsed Doppler sonography as an aid in ultrasound-guided aspiration biopsy, McGahan JP; Anderson MW, *Gastrointest Radiol* 1987; 12: 279

retractable-barb needle for breast lesion localization: use in 60 cases, Urrutia EJ; Hawkins MC; Steinbach BG; Meacham MA; Bland KI; Copeland EM III; Hawkins IF Jr, *Radiology* 1988; 169: 845

sheath needle for liver biopsy, Irving HC, *Radiology* 1988; 168: 879

sheath needle for liver biopsy in high-risk patients, Chuang VP; Alspaugh JP, *Radiology* 1988; 166: 261

sonographically guided percutaneous biopsy of small (3 cm or less) masses, Reading CC; Charboneau JW; James EM; et al, *AJR* 1988; 151: 189

stereotactic biopsy of the brain with the Leksell frame in the context of modern radiology, Ferry M; Cabanis E; Cosnard G; et al, *J Neuroradiol* 1988; 15: 63

stereotactic biopsy of the brain under MR imaging control, Thomas DGT; Davis CH; Ingram S; et al, *AJNR* 1987; 7: 161

technique for MR-guided needle placement, Lufkin RB; Teresi L; Chiu L; et al, *AJR* 1988; 151: 193

thoracic needle biopsy: improved results utilizing the team approach, (ab), Conces DJ Jr; Schwenk R Jr; Doering PR; et al, *Radiology* 1987; 165: 883

thoracic spine: percutaneous trephine biopsy, Laredo J-D; Bard M, *Radiology* 1986; 160: 485

transbronchial needle aspiration, Kelly SJ; Wang KP, *J Thorac Imag* 1987; 2: 33

transcatheter biopsy of lesions obstructing the bile ducts, Cope C; Marinelli DL; Weinstein JK, *Radiology* 1988; 169: 555

transcystic biopsy: a new approach to posterior pelvic lesions, Steiner E; Mueller PR; Simeone JF; et al, *AJR* 1987; 149: 93

transthoracic needle aspiration biopsy—optimizing the yield, Khouri NF; Meziene MA, *J Thorac Imag* 1987; 2: 18

transthoracic needle biopsy of lung in non-hospitalized patients, (ab), Poe RH; Kallay MC, *Radiology* 1988; 167: 290

use of CO₂ to move structures as an aid to percutaneous procedures, Haaga JR; Beale SM, *Radiology* 1986; 161: 829

US-guided percutaneous biopsy: use of a screw biopsy stylet to aid needle detection, Reading CC; Charboneau JW; Felmlee JP; James EM, *Radiology* 1987; 163: 280

- wire-sheath system for MR-guided biopsy and drainage: laboratory studies and experience in 10 patients, vanSonnenberg E; Hajeck P; Gylis-Morin V; et al, *AJR* 1988; 151: 815
- Bladder**
- artificial urinary sphincters: plain radiography of malfunction and complications, Rose SC; Hansen ME; Webster GD; Zakrzewski C; Cohan RH; Dunnick NR, *Radiology* 1988; 168: 403
- simple procedure for the removal of a non-dilating balloon bladder catheter: two cases, Morgan TCN; Barrett NK; Boulbee JE, *Br J Radiol* 1986; 59: 1043
- Bladder, abnormalities**
- bladder deformity: a sign of major inferior venous obstruction, two case reports and a review, Pierce ME, *Australas Radiol* 1988; 32: 107
- differential diagnosis of intra- and perivesical abnormalities using bladder air/CO₂ contrast sonography, Schneider K; Fendel H; Kohn MM, *Pediatr Radiol* 1986; 16: 309
- double bladder (report of two unusual cases), Mallikarjuniah GS; Solomon B; Reddy DG, *Australas Radiol* 1986; 30: 51
- groin hernia with inguinoscrotal herniation of the urinary bladder, Bernstein JE; Meyer K, *Clin Nucl Med* 1987; 12: 153
- lateral displacement of the bladder, Mallikarjuniah GS; Solomon B; Ramamurthy BS, *Australas Radiol* 1986; 30: 46
- photon scatter from asymmetric bladder activity, Spencer RP; Karimeddini MK, *Clin Nucl Med* 1986; 11: 222
- posterior ledge at the bladder neck: crucial diagnostic role of ultrasonography, Perkash I; Friedland GW, *Urol Radiol* 1986; 8: 175
- prenatal sonographic diagnosis of bladder exstrophy, Mirk P; Calisti A; Fileni A, *J Ultrasound Med* 1986; 5: 291
- principles of modern urodynamic studies, Perkash I; Friedland GW, *Invest Radiol* 1987; 22: 279
- Bladder, calculi**
- stones in the urinary bladder in children and young adults, Lebowitz RL; Vargas B, *AJR* 1987; 148: 491
- Bladder, CT**
- appendicitis with bladder involvement: CT appearance, Wojtaszek DA; Teixidor HS; Kazam E, *Urol Radiol* 1988; 9: 237
- computed tomography of bladder malakoplakia, Bidwell JK; Dunne MG, *JCAT* 1987; 11: 909
- computerized tomography in bladder rupture: diagnostic limitations, (ab), Mee SL; McAninch JW; Federle MP, *Radiology* 1987; 165: 589
- CT demonstration of cystitis emphysematosa, Ney C; Kumar M; Billah K; et al, *JCAT* 1987; 11: 552
- diagnosis of cystitis glandularis, Kauzlaric D; Barmer E; Campana A, *Urol Radiol* 1987; 9: 50
- scrotal cystocele diagnosed by computed tomography, Curry NS; O'Connor KF; Tubbs CO, *Urol Radiol* 1988; 9: 247
- "upside-down" contrast-urine level in glycosuria: CT features, Savit RM; Udis DS, *JCAT* 1987; 11: 911
- Bladder, diseases**
- computed tomography of bladder malakoplakia, Bidwell JK; Dunne MG, *JCAT* 1987; 11: 909
- Bladder, hernia**
- bladder hernia simulating osseous metastatic lesion on radionuclide bone scan, Morano JU; Burkhalter JL, *Urol Radiol* 1987; 9: 183
- bladder herniation in inguinal hernia detected during bone imaging, Lee HK; Skarzynski JJ, *Clin Nucl Med* 1986; 11: 740
- bladder herniation through abdominal wall: exceptional complication of retropubic prosthetic adenectomy, Calabro A; Di Prima F; Aragona F; et al, *Urol Radiol* 1987; 9: 56
- scrotal cystocele diagnosed by computed tomography, Curry NS; O'Connor KF; Tubbs CO, *Urol Radiol* 1988; 9: 247
- Bladder, inflammation**
- See Cystitis
- Bladder, injuries**
- bladder injury in blunt pelvic trauma, Sandler CM; Hall JT; Rodriguez MB; Corriere JN Jr, *Radiology* 1986; 158: 633
- bladder mucosal tears during voiding cystourethrography in chronic renal failure, Matsumoto AH; Clark RL; Cuttino JT Jr, *Urol Radiol* 1986; 8: 81
- relationship between the bladder and the cervix in patients undergoing intracavitary therapy, Lukka HR; Moore CJ; Hunter RD, *Br J Radiol* 1987; 60: 355
- Bladder, MR studies**
- magnetic resonance imaging of the pelvis: prostate and urinary bladder, Doores GC; Hricak H, *Urol Radiol* 1986; 8: 156
- magnetic resonance tomography of the pelvis, Smith FW, *Cardiovasc Intervent Radiol* 1986; 8: 367
- MRI of the bladder and prostate, Lee JKT; Rholl KS, *AJR* 1986; 147: 732
- Bladder, neoplasms**
- See Bladder neoplasms
- Bladder, obstruction**
- See Bladder, stenosis or obstruction
- Bladder, radiography**
- bladder injury in blunt pelvic trauma, Sandler CM; Hall JT; Rodriguez MB; Corriere JN Jr, *Radiology* 1986; 158: 633
- bladder mucosal tears during voiding cystourethrography in chronic renal failure, Matsumoto AH; Clark RL; Cuttino JT Jr, *Urol Radiol* 1986; 8: 81
- bladder pseudomass following cystography-related bladder trauma, Markle BM; Catena L, *Radiology* 1986; 159: 265
- catheter-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography, Perkash I; Friedland GW, *Radiology* 1986; 159: 453
- digital subtraction radiography in voiding cystourethrography, Ferri G; Napoli V; Falaschi F; et al, *Eur J Radiol* 1988; 8: 175
- evaluation of the post-micturition radiograph following intravenous urography, Morewood DJW; Scally JK, *Clin Radiol* 1986; 37: 499
- imaging of the Kock continent ileal urinary reservoir, Ralls PW; Barakos JA; Skinner DG; Boswell WD Jr; Radin DR; Colletti PM; Halls JM, *Radiology* 1986; 161: 477
- intravenous urography and voiding cystourethrography in northern Norway: retrospective study, Pedersen HK; Pape JF; Gudmundsen TE; et al, *Pediatr Radiol* 1986; 16: 472
- ovarian radiation dose during dynamic cystourethrography using videorecording and photofluorography, Westby M; Sandbu J; Jahren R; et al, *Acta Radiol* 1986; 27: 55
- suprapubic micturition cystourethrography, Mohammed SH, *Acta Radiol* 1988; 29: 165
- undiversion of the urinary tract: the pre- and postoperative evaluation, Fernbach SK; Holland EA, *Radiographics* 1988; 8: 213
- unstable bladder in children: functional evaluation by modified voiding cystourethrography, Fother R; Kopp W; Klein E; Hollwarth M; Uray E, *Radiology* 1986; 161: 811
- urography and voiding cystourethrography: findings in girls with urinary tract infection, Bisset GS III; Strife JL; Dunbar JS, *AJR* 1987; 148: 479
- Bladder, radionuclide studies**
- bladder defect due to use of vaginal tampon, Yousufi Z; Sziklas JJ; Spencer RP, *Clin Nucl Med* 1987; 12: 144
- bladder hernia simulating osseous metastatic lesion on radionuclide bone scan, Morano JU; Burkhalter JL, *Urol Radiol* 1987; 9: 183
- comparison of a radionuclide method and catheterization for the measurement of residual volume of urine in the bladder, Groshar D; Embon OM; Szabon A, *Clin Nucl Med* 1987; 12: 363
- extrinsic causes of vesical filling defects in scintigraphy, Mandell GA; Harkke HT, *Clin Nucl Med* 1987; 12: 204
- Kock continent ileal urinary reservoir: anatomy and potential pitfalls of radionuclide imaging, Barakos JA; Colletti PM; Siegel ME; et al, *Clin Nucl Med* 1987; 12: 744
- lateral bladder due to tumor compression, Kassamali H; Spencer RP, *Clin Nucl Med* 1987; 12: 974
- photon scatter from asymmetric bladder activity, Spencer RP; Karimeddini MK, *Clin Nucl Med* 1986; 11: 222
- radionuclide cystography in children: comparison of direct (retrograde) and indirect (intravenous) techniques, (ab), Majid M; Kass EJ; Belman AB, *Radiology* 1986; 158: 288
- radionuclide measurement of bladder emptying rate: simultaneous comparison with urinary flow rate obtained by uroflowmetry, Groshar D; Koritny ES; Embon OM; et al, *Clin Nucl Med* 1988; 13: 363
- urinary bladder herniation into the scrotum seen on bone imaging, Lee TA III; Siddiqui AR, *Clin Nucl Med* 1986; 11: 435
- Bladder, rupture**
- bladder injury in blunt pelvic trauma, Sandler CM; Hall JT; Rodriguez MB; Corriere JN Jr, *Radiology* 1986; 158: 633
- computerized tomography in bladder rupture: diagnostic limitations, (ab), Mee SL; McAninch JW; Federle MP, *Radiology* 1987; 165: 589
- delayed presentation of traumatic intraperitoneal bladder rupture, Brown D; Magill HL; Black TL, *Pediatr Radiol* 1986; 16: 252
- neonatal urinary ascites, (ab), Morrell P; Coulthard MG; Hey EN, *Radiology* 1986; 160: 288
- sonography of traumatic rupture of the bladder: "bladder within a bladder" appearance of extraperitoneal extravasation, Kauzlaric D; Barmer E, *J Ultrasound Med* 1986; 5: 97
- wall defect as a sign of urinary bladder rupture in sonography, Wan Y-L; Hsieh H; Lee T-Y; et al, *J Ultrasound Med* 1988; 7: 511
- Bladder, stenosis or obstruction**
- effect of prior transurethral resection of the prostate on post radiation urethral strictures and bladder neck contractures, Seymour CH; El-Mahdi AM; Schellhammer PF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1597
- Bladder, surgery**
- augmentation and replacement cystoplasty: sonographic findings, Hertzberg BS; Bowie JD; King LR; Webster GD, *Radiology* 1987; 165: 853
- bladder infarct, Nino-Murcia M; Friedland GW, *Urol Radiol* 1988; 9: 234
- Cohen ureteral reimplantation: sonographic appearance, Mezzacappa PM; Price AF; Kassner EG; Haller JO; Glassberg KI, *Radiology* 1987; 165: 851
- continent urinary diversions: review of current surgical procedures and radiologic imaging, Amis ES Jr; Newhouse JH; Olsson CA, *Radiology* 1988; 168: 395
- imaging of the Kock continent ileal urinary reservoir, Ralls PW; Barakos JA; Skinner DG; Boswell WD Jr; Radin DR; Colletti PM; Halls JM, *Radiology* 1986; 161: 477
- Kock pouch urinary diversion: follow-up by ultrasound, Krut RH; Kums JJM, *Br J Radiol* 1988; 61: 811
- sonographic appearance of artificial urinary sphincter, Yaghoobian J, *J Ultrasound Med* 1987; 6: 711
- Bladder, US studies**
- augmentation and replacement cystoplasty: sonographic findings, Hertzberg BS; Bowie JD; King LR; Webster GD, *Radiology* 1987; 165: 853
- bladder hemangioma: ultrasonographic demonstration, Gupta AK; Bhargava S, *Urol Radiol* 1987; 9: 181
- bladder pseudomass following cystography-related bladder trauma, Markle BM; Catena L, *Radiology* 1986; 159: 265
- catheter-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography, Perkash I; Friedland GW, *Radiology* 1986; 159: 453
- Cohen ureteral reimplantation: sonographic appearance, Mezzacappa PM; Price AF; Kassner EG; Haller JO; Glassberg KI, *Radiology* 1987; 165: 851
- diagnosis of cystitis glandularis, Kauzlaric D; Barmer E; Campana A, *Urol Radiol* 1987; 9: 50
- differential diagnosis of intra- and perivesical abnormalities using bladder air/CO₂ contrast sonography, Schneider K; Fendel H; Kohn MM, *Pediatr Radiol* 1986; 16: 309

- Kock pouch urinary diversion: follow-up by ultrasound, Krut RH; Kums JIM, Br J Radiol 1988; 61: 811
- missing balloon sign, Williams R; Thomas AMK, Clin Radiol 1987; 38: 59
- posterior ledge at the bladder neck: crucial diagnostic role of ultrasonography, Perkash I; Friedland GW, Urol Radiol 1986; 8: 175
- principles of modern urodynamic studies, Perkash I; Friedland GW, Invest Radiol 1987; 22: 279
- real-time ultrasound measurement of bladder volume: a comparative study of three methods, Hartnell GG; Kiely EA; Williams G; et al, Br J Radiol 1987; 60: 1063
- screening of the bladder base and urethra using linear array transrectal ultrasound scanning, Richmond DH; Sutherst JR; Brown MC, JCU 1986; 14: 647
- sonographic appearance of artificial urinary sphincter, Yaghoobian J, J Ultrasound Med 1987; 6: 711
- sonographic features of urinary bladder involvement in regional enteritis, Boag GS; Nolan RL, J Ultrasound Med 1988; 7: 125
- sonographic measurements of the normal bladder wall in children, Jequier S; Rousseau O, AJR 1987; 149: 563
- sonography of traumatic rupture of the bladder: "bladder within a bladder" appearance of extraperitoneal extravasation, Kazaliric D; Barmer E, J Ultrasound Med 1986; 5: 97
- ultrasonic evaluation of urethrovaginal junction in women with stress urinary incontinence, Bergman A; Ballard CA; Platt LD, JCU 1988; 16: 295
- ultrasonography in urinary incontinence, (ab), Bhatia NN; Ostergard DR; McQuown D, Radiology 1987; 164: 589
- varied sonographic manifestations of cystitis, Gooding GAW, J Ultrasound Med 1986; 5: 61
- wall defect as a sign of urinary bladder rupture in sonography, Wan Y-L; Hsieh H; Lee T-Y; et al, J Ultrasound Med 1988; 7: 511
- Bladder neoplasms**
- anal submucosal injection: new route for drug administration in pelvic malignancies. part I. experimental study of misonidazole distribution in serum and tissues, with special reference to urinary bladder: preliminary report, Shafik A; El-Merzabani MM; El-Aaser AA; et al, Invest Radiol 1986; 21: 278
- asymptomatic woman with unilateral urethral lesions, Nadel S; St. Amour TE; Kyriakos M, Urol Radiol 1987; 9: 57
- bladder cancer following low or high dose pelvic irradiation, Quilty PM; Kerr GR, Clin Radiol 1987; 38: 583
- calcified ganglioneuroma of the bladder, Graham RT; Herschhorn S; Strigley J, Urol Radiol 1987; 9: 177
- diagnosis of neoplasia in patients with asymptomatic microscopic hematuria: a decision analysis, (ab), Corwin HL; Silverstein MD, Radiology 1988; 169: 882
- intravenous urography as a prognostic indicator in vesical carcinoma, (ab), Golding RP; van Zanten TEG; Tierie AH; et al, Radiology 1988; 166: 910
- leiomyoma of the bladder, Wenz W; Sommerkamp H; Dinkel E, Urol Radiol 1986; 8: 114
- leiomyoma of the bladder: sonographic and urographic findings, Bornstein J; Charboneau JW; Hartman GW, J Ultrasound Med 1986; 5: 407
- long-term follow-up of the upper urinary tract for transitional cell carcinoma: how much is enough?, Pollock HM, Radiology 1988; 167: 871
- MR staging of bladder carcinoma: correlation with pathologic findings, Buy J-N; Moss AA; Guinet C; Ghossain MA; Malbec L; Arrive L; Vadrot D, Radiology 1988; 169: 695
- nephrogenic adenoma presenting as a calcified mass, Patel PS; Wilbur AC, AJR 1988; 150: 1071
- pheochromocytoma of the urinary bladder, Lenders JWM; Sluiter HE; Rosenbusch G; et al, Eur J Radiol 1987; 7: 274
- primary lymphoma of the bladder, Binkovitz LA; Hattery RR; LeRoy AJ, Urol Radiol 1988; 9: 231
- synchronous and metachronous transitional cell carcinoma of the urinary tract: prevalence, incidence, and radiographic detection, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, Radiology 1988; 167: 613
- transitional cell papilloma of the bladder, Williams JL; Cumming WA; Walker RD III; et al, Pediatr Radiol 1986; 16: 322
- urachal carcinoma: CT findings, Brick SH; Friedman AC; Pollack HM; Fishman EK; Radecki PD; Siegelbaum MH; Mitchell DG; Lev-Toaff AS; Caroline DF, Radiology 1988; 169: 377
- urographic appearances of ureteric obstruction secondary to bladder carcinoma, Elliott S; Davies P, Clin Radiol 1986; 37: 495
- vesical dome tumors: significance of extravesical extension on CT, Narumi Y; Sato T; Kuriyama K; Fujita M; Saiki S; Kuroda M; Miki T; Kotake T, Radiology 1988; 169: 383
- Bladder neoplasms, CT**
- bladder leiomyoma: advantages of sonography over computed tomography, Illescas FF; Baker ME; Weinerth JL, Urol Radiol 1986; 8: 216
- computed tomography of nephrogenic adenoma of the urinary bladder, Zingas AP; Kling GA; Crotte E; et al, JCAT 1986; 10: 979
- contrast-enhanced computed tomography in carcinoma of the urinary bladder: use of different injection methods, Sager EM; Fossa SD; Kaalhus O; et al, Acta Radiol 1987; 28: 67
- contrast-enhanced computed tomography to show perivesical extension in bladder carcinoma, Sager EM; Talle K; Fossa SD; et al, Acta Radiol 1987; 28: 307
- CT and MR imaging in staging bladder neoplasms, Bryan PJ; Butler HE; LiPuma JP; et al, JCAT 1987; 11: 96
- lower urinary tract computed tomography, Arger PH; Coleman BG; Mintz MC, Semin US CT MR 1986; 7: 287
- staging of bladder carcinoma: MRI-CT-surgical correlation, Amendola MA; Glazer GM; Grossman HB; et al, AJR 1986; 146: 1179
- urachal carcinoma: CT findings, Brick SH; Friedman AC; Pollack HM; Fishman EK; Radecki PD; Siegelbaum MH; Mitchell DG; Lev-Toaff AS; Caroline DF, Radiology 1988; 169: 377
- vesical dome tumors: significance of extravesical extension on CT, Narumi Y; Sato T; Kuriyama K; Fujita M; Saiki S; Kuroda M; Miki T; Kotake T, Radiology 1988; 169: 383
- Bladder neoplasms, in infants and children**
- transitional cell papillary carcinoma of the bladder in a child, Lalmand B; Avni EF; Simon J; et al, Pediatr Radiol 1987; 17: 77
- Bladder neoplasms, MR studies**
- carcinoma of the urinary bladder: MR imaging with a double surface coil, Barents JO; Lemmens JAM; Ruijs SHJ; et al, AJR 1988; 151: 107
- CT and MR imaging in staging bladder neoplasms, Bryan PJ; Butler HE; LiPuma JP; et al, JCAT 1987; 11: 96
- monitoring of bladder neoplasia by low-field magnetic resonance imaging, Smith FW; Sarkar TK; Hewitt JB, Br J Radiol 1988; 61: 166
- MR imaging of urinary bladder neoplasms, Koelbel G; Schmiedl U; Griebel J; et al, JCAT 1988; 12: 98
- MR staging of bladder carcinoma: correlation with pathologic findings, Buy J-N; Moss AA; Guinet C; Ghossain MA; Malbec L; Arrive L; Vadrot D, Radiology 1988; 169: 695
- primary bladder carcinoma: evaluation with MR imaging, Rholl KS; Lee JKT; Heiken JP; Ling D; Glazer HS, Radiology 1987; 163: 117
- staging of bladder carcinoma: MRI-CT-surgical correlation, Amendola MA; Glazer GM; Grossman HB; et al, AJR 1986; 146: 1179
- urachal carcinoma: CT findings, Brick SH; Friedman AC; Pollack HM; Fishman EK; Radecki PD; Siegelbaum MH; Mitchell DG; Lev-Toaff AS; Caroline DF, Radiology 1988; 169: 377
- Bladder neoplasms, radionuclide studies**
- bone scintigraphy in staging of bladder carcinoma, Brismar J; Gustafson T, Acta Radiol 1988; 29: 251
- Bladder neoplasms, staging**
- bone scintigraphy in staging of bladder carcinoma, Brismar J; Gustafson T, Acta Radiol 1988; 29: 251
- contrast-enhanced computed tomography to show perivesical extension in bladder carcinoma, Sager EM; Talle K; Fossa SD; et al, Acta Radiol 1987; 28: 307
- CT and MR imaging in staging bladder neoplasms, Bryan PJ; Butler HE; LiPuma JP; et al, JCAT 1987; 11: 96
- MR staging of bladder carcinoma: correlation with pathologic findings, Buy J-N; Moss AA; Guinet C; Ghossain MA; Malbec L; Arrive L; Vadrot D, Radiology 1988; 169: 695
- primary bladder carcinoma: evaluation with MR imaging, Rholl KS; Lee JKT; Heiken JP; Ling D; Glazer HS, Radiology 1987; 163: 117
- staging of bladder carcinoma: MRI-CT-surgical correlation, Amendola MA; Glazer GM; Grossman HB; et al, AJR 1986; 146: 1179
- urachal carcinoma: CT findings, Brick SH; Friedman AC; Pollack HM; Fishman EK; Radecki PD; Siegelbaum MH; Mitchell DG; Lev-Toaff AS; Caroline DF, Radiology 1988; 169: 377
- Bladder neoplasms, therapeutic radiology**
- analysis of the radiation related morbidity observed in a randomized trial of neutron therapy for bladder cancer, Duncan W; Williams JR; Kerr GR; et al, Int J Radiat Oncol Biol Phys 1986; 12: 2085
- factors influencing the prognosis in bladder cancer, Wijnmaalen A; van der Werf-Messing BHP, Int J Radiat Oncol Biol Phys 1986; 12: 559
- influence of hemoglobin level on the regression and long term local control of transitional cell carcinoma of the bladder following photon irradiation, Quilty PM; Duncan W, Int J Radiat Oncol Biol Phys 1986; 12: 1735
- intestinal strictures complicating preoperative radiation therapy followed by radical cystectomy, (ab), Hillyard RW Jr; El-Mahdi AM; Schellhammer PF, Radiology 1987; 162: 292
- planned preoperative irradiation in the management of clinical stage B2-C (T3) bladder carcinoma, Parsons JT; Million RR, Int J Radiat Oncol Biol Phys 1988; 14: 797
- primary radical radiotherapy for T3 transitional cell cancer of the bladder: analysis of survival and control, Quilty PM; Duncan W, Int J Radiat Oncol Biol Phys 1986; 12: 853
- radical radiation and oral intra-vesical misonidazole for bladder cancer, Abratt RP; Barnes DR; Pontin AR; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1053
- radiotherapy for squamous carcinoma of the urinary bladder, Quilty PM; Duncan W, Int J Radiat Oncol Biol Phys 1986; 12: 861
- randomized comparison of photons and 15 MeV neutrons for the treatment of carcinoma of the bladder, (ab), Pointon RS; Read G; Greene D, Radiology 1986; 158: 576
- tolerance of the canine bladder to intraoperative radiation therapy: an experimental study, Kinsella TJ; Sindelar WF; DeLuca AM; et al, Int J Radiat Oncol Biol Phys 1988; 14: 939
- transitional cell carcinoma of the urinary bladder: histologic clearance with combined 5-FU chemotherapy and radiation therapy. preliminary results of a bladder-preservation study, Russell KJ; Boileau MA; Ireton RC; Higano CS; Collins C; Koh W-J; Griffin BR; Chapman WH; Griffin TW, Radiology 1988; 167: 845
- treatment of bladder cancer with interstitial iridium-192 implantation and external beam irradiation, Straus KL; Littman P; Wein AJ; et al, Int J Radiat Oncol Biol Phys 1988; 14: 265

Bladder neoplasms, US studies

bladder leiomyoma: advantages of sonography over computed tomography, Illescas FF; Baker ME; Weinerth JL, *Urol Radiol* 1986; 8: 216

can transabdominal ultrasonography of the bladder replace cystoscopy in the followup of superficial bladder tumors? (ab), Vallancien G; Veillon B; Charton M; et al, *Radiology* 1987; 162: 292

detection of active bleeding from a transitional cell carcinoma of the bladder by ultrasonography, Bisset RAL; Khan AN, *JCU* 1987; 15: 269

serial transabdominal sonography of bladder cancer, Dershaw DD; Scher HI, *AJR* 1988; 150: 1055

transvaginal longitudinal ultrasonography in diagnosis of carcinoma of the urinary bladder, Tayb AF; Slesarev VI; Komarevskiy VN, *J Ultrasound Med* 1988; 7: 179

ultrasound of bladder tumors, Abu-Yousef MM, *Semin US CT MR* 1986; 7: 275

Blastoma

case report 366, Mirra JM; Kameda N, *Skeletal Radiol* 1986; 15: 323

esthesioneuroblastoma: a comparison of two treatment eras, Spaulding CA; Kranyak MS; Constable WC; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 581

esthesioneuroblastoma imaged with bone scintigraphy, Acker R; Leonard JC, *Clin Nucl Med* 1986; 11: 670

esthesioneuroblastoma: University of Virginia experience 1960-1985, (ab), Levine PA; McLean WC; Cantrell RW, *Radiology* 1987; 163: 839

hepatoblastoma, Calderwood G; Nguyen DL; Leonard JC, *Clin Nucl Med* 1986; 11: 880

hepatoblastoma: radiologic-pathologic correlation in 50 cases, Dachman AH; Pakter RL; Ros PR; Fishman EK; Goodman ZD; Lichtenstein JE, *Radiology* 1987; 164: 15

hyperostotic esthesioneuroblastoma: CT and MR findings, Regenbogen VS; Zinreich SJ; Kim KS; et al, *JCAT* 1988; 12: 52

MR imaging of esthesioneuroblastoma, Schroth G; Gawehn J; Marquardt B; et al, *JCAT* 1986; 10: 316

pulmonary blastoma, report of three cases and a review of the literature, Weisbrod GL; Chamberlain DW; Tao LC, *J Canad Assoc Radiol* 1988; 39: 130

Blastomycosis

blastomycosis of the esophagus presenting with gastrointestinal bleeding, (ab), McKenzie R; Khakoo R, *Radiology* 1986; 158: 568

Bleomycin

bleomycin, methotrexate and vincristine before irradiation of stage III and IV laryngeal and pharyngeal squamous cell carcinoma, Hansen HS; Rygaard J; Andersen AP; et al, *Acta Oncol* 1987; 26: 13

chemical modulation of bleomycin induced toxicity, Kennedy KA; Hait WN; Lazo JS, *Int J Radiat Oncol Biol Phys* 1986; 12: 1367

effect of radiation on the growth of normal and malignant human esophageal explant cultures pre-treated with bleomycin, Seymour CB; Mothersill C; Cusack A; et al, *Br J Radiol* 1988; 61: 383

effect of simultaneous administration of bleomycin on the acute skin reactions of mice after single and fractionated doses of radiation, Vanuytsel L; Feng Y; Landuyt W; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 103

human lung tumors: SPECT quantitation of differences in Co-57 bleomycin uptake, Front D; Israel O; Iosilevsky G; Even-Sapir E; Frenkel A; Peleg H; Steiner M; Kuten A; Kolodny GM, *Radiology* 1987; 165: 129

interaction of bleomycin, hyperthermia and a calmodulin inhibitor (trifluoperazine) in mouse tumor cells, Smith PJ; Mircheva J; Bleeche NM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1363

protective effects of 2-(aminopropyl)amino] ethanol against bleomycin and nitrogen mustard-induced mutagenicity in V79 cells, Nagy B; Grdina DJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1475

proton relaxation times in bleomycin-induced lung injury, Taylor CR; Sostman HD; Gore JC; et al, *Invest Radiol* 1987; 22: 621

quantitative assessment of lung damage due to bleomycin using computed tomography, Bellamy EA; Nicholas D; Husband JE, *Br J Radiol* 1987; 60: 1205

SPECT quantitation of cobalt-57 bleomycin delivery to human brain tumors, Front D; Israel O; Iosilevsky G; et al, *J Nucl Med* 1988; 29: 187

Blood

See also Anemia; Leukemia

Blood, calcium

myocardial, pulmonary, and gastric uptake of technetium-99m MDP in a patient with multiple myeloma and hypercalcemia, Reitz MD; Vasinraep P; Mishkin FS, *Clin Nucl Med* 1986; 11: 730

Blood, coagulation

analysis of blood clot eugenicity, Peter DJ; Flanagan LD; Cranley JJ, *JCU* 1986; 14: 111

contrast, coagulation, and fibrinolysis, Dawson P; Hewitt P; Mackie JJ; et al, *Invest Radiol* 1986; 21: 248

effect of various contrast media on coagulation, fibrinolysis, and platelet function: in vitro and in vivo study, Stormorken H; Skälpe IO; Testart MC, *Invest Radiol* 1986; 21: 348

further studies on ultrasonic properties of blood clots, Shung KK; Fei DY; Ballard JO III, *JCU* 1986; 14: 269

molecular masking and unmasking of the paramagnetic effect of iron on the proton spin-lattice (T_1) relaxation time in blood and blood clots, Finnie M; Fullerton GD; Cameron IL, *Magn Res Imag* 1986; 4: 305

MR appearance of blood and blood products: in vitro study, Cohen MD; McGuire WA; Cory DA; et al, *AJR* 1986; 146: 1293

radiographic abnormalities in coagulation factor VII deficiency, Baker SR; Tartell J; Lawrence C; et al, *J Canad Assoc Radiol* 1987; 38: 64

Blood, diseases

thickened cortical bones in congenital neutropenia, Boechat MI; Gormley LS; O'Laughlin BJ, *Pediatr Radiol* 1987; 17: 124

unusual ultrasound appearance of the spleen—case of hereditary spherocytosis, Gupta R; Woodham CH, *Br J Radiol* 1986; 59: 284

Blood, fibrinogen

low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries, Koppensteiner R; Minar E; Ahmadi R; Jung M; Ehringer H, *Radiology* 1988; 168: 877

low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries: reply, Risius B, *Radiology* 1988; 168: 877

recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts, Risius B; Graor RA; Geisinger MA; Zech MG; Lucas FV; Young JR; Grossbard EB, *Radiology* 1988; 168: 183

technique and results of "low-dose" infusion, Katzen BT, *Cardiovasc Intervent Radiol* 1988; 11: 541

thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses, Risius B; Graor RA; Geisinger MA; Zech MG; Lucas FV; Young JR, *Radiology* 1987; 164: 465

Blood, flow dynamics

absolute flow measurements using pulsed Doppler US: work in progress, Walter JP; McGahan JP; Lantz BMT, *Radiology* 1986; 159: 545

acute allograft rejection in liver transplant recipients: lack of correlation with loss of hepatic artery diastolic flow, Longley DG; Skolnick ML; Sheahan DG, *Radiology* 1988; 169: 417

acute radiation effects on cutaneous microvasculature: evaluation with a laser Doppler perfusion monitor, Amols HI; Goffman TE; Komaki R; Cox JD, *Radiology* 1988; 169: 557

arterial blood-flow waveform measurement in intact animals: new digital radiographic technique, Swanson DK; Myerowitz PD; Hegge JO; Watson KM, *Radiology* 1986; 161: 323

artifacts from pulsatile flow in MR imaging, Perman WH; Moran PR; Moran RA; et al, *JCAT* 1986; 10: 473

assessment of utero-placental blood flow velocity wave forms in a pregnant patient with systemic lupus erythematosus, Meizner I; Katz M; Press F, *JCU* 1988; 16: 55

blood flow determinations utilizing digital densitometry, Lois JF; Mankovich NJ; Gomes AS, *Acta Radiol* 1987; 28: 635

blood flow imaging by cine magnetic resonance, Nayler GL; Firmin DN; Longmore DB, *JCAT* 1986; 10: 715

blood-flow measurement in muscle with Xe-133, Chung SY; Kim I; Ryo UY; Maskin C; Pinsky S, *Radiology* 1987; 165: 571

bronchial blood flow measured by video dilution technique in sheep, Parsons GH; Link DP; Greenberg D; et al, *Invest Radiol* 1987; 22: 544

calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging, von Schulthess GK; Augustiny N, *Radiology* 1987; 164: 549

cardiovascular disease: evaluation with MR phase imaging, Rumanick WM; Naidich DP; Chandra R; Kowalski HM; McCauley DL; Megibow AJ; Hernanz-Schulman M; Genieser NB, *Radiology* 1988; 166: 63

cerebral hemodynamics in infants undergoing extracorporeal membrane oxygenation: further observations, Taylor GA; Short BL; Glass P; Ichord R, *Radiology* 1988; 168: 163

colour display of quantitative blood flow and cardiac anatomy in a single magnetic resonance cine loop, Klipstein KH; Firmin DN; Underwood SR; et al, *Br J Radiol* 1987; 60: 105

cranial duplex sonography of the infant, Grant EG; White EM; Schellinger D; Choyke PL; Sarcone AL, *Radiology* 1987; 163: 177

Doppler blood flow velocity waveforms in alpha-thalassemia hydrops fetalis, Woo JSK; Liang ST; Lo RLS; et al, *J Ultrasound Med* 1987; 6: 679

Doppler examination of the periorbital arteries adds valuable hemodynamic information in carotid artery disease, Sillesen H; Schroeder T; Steenberg SR; et al, *Ultrasound Med Biol* 1987; 13: 177

Doppler flowmeter for use in theatre, Beard JD; Evans JM; Skidmore R; et al, *Ultrasound Med Biol* 1986; 12: 883

dynamic corpus cavernosography: effect of papaverine injection, Puyau FA; Lewis RW; Balkin P; Kaack MB; Hirsch A, *Radiology* 1987; 164: 179

echo-Doppler measurement of splanchnic blood flow in control and cirrhotic subjects, Zoli M; Marchesini G; Cordiani MR; et al, *JCU* 1986; 14: 429

effects of aging on cardiac blood flow velocities, van Dam I; Wijn P; de Boo T; et al, *JCU* 1988; 16: 375

evaluation of a physiologic method of interpreting first circulation time-indicator curves, Klingensmith WC III, *Invest Radiol* 1986; 21: 566

flow analysis with digital subtraction angiography: 1. description of a simplified flow model, Hesselink JR; Chang KH; Chung KJ; et al, *AJNR* 1986; 7: 423

flow analysis with digital subtraction angiography: 2. acquisition and accuracy of transit-flow measurements, Hesselink JR; Chang KH; Chung KJ; et al, *AJNR* 1986; 7: 427

flow effects in multislice, spin-echo magnetic resonance imaging: model, experimental verification, and clinical examples, Williams DM; Meyer CR; Schreiner RJ, *Invest Radiol* 1987; 22: 642

flow reversal in the normal carotid bifurcation: color Doppler flow imaging analysis, Middleton WD; Foley WD; Lawson TL, *Radiology* 1988; 167: 207

flow velocity in cerebral arteries in the newborn, van Bel F, *Radiology* 1988; 166: 904

flow velocity in cerebral arteries in the newborn: reply, Grant E, *Radiology* 1988; 166: 905

- flow velocity measurement with ac gradients, Walton JH; Conradi MS, *Magn Res Med* 1987; 4: 274
- fractional distribution of the cardiac output in man using microspheres labelled with technetium 99m, Crean PA; Pratt T; Davies CJ; et al, *Br J Radiol* 1986; 59: 209
- further improvement of high-speed NMR flow-velocity measurement using a differential phase-encoding technique, Kim YS; Mun CW; Jung KJ; et al, *Magn Res Med* 1987; 4: 289
- in vivo validation of MR velocity imaging, Firmin DN; Nayler GL; Klipstein RH; et al, *JCAT* 1987; 11: 751
- measurement of aortic blood flow with MR imaging: comparative study with Doppler US, Matsuda T; Shimizu K; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Tamaki S; Kawai K, *Radiology* 1987; 162: 857
- measurement of limb blood flow using technetium-labelled red blood cells, Parkin A; Robinson PJ; Wiggins PA; et al, *Br J Radiol* 1986; 59: 493
- measurement of peripheral blood flow by thermomodulation techniques, Nadel SN; Greene AS; White RI Jr; et al, *Invest Radiol* 1986; 21: 631
- measurement of volume flow in the human common femoral artery using a duplex ultrasound system, Lewis P; Psaila JV; Davies WT; et al, *Ultrasound Med Biol* 1986; 12: 777
- MR flow imaging by velocity-compensated/uncompensated difference images, Axel L; Morton D, *JCAT* 1987; 11: 31
- MR imaging of flow using the steady state selective saturation method, Hennig J; Mueri M; Friedburg H; et al, *JCAT* 1987; 11: 872
- MRI of blood flow: correlation of image appearance with spin-echo phase shift and signal intensity, Valk PE; Hale JD; Crooks LE; et al, *AJR* 1986; 146: 931
- neonatal brain: color Doppler imaging, part I. technique and vascular anatomy, Mitchell DG; Merton D; Needleman L; Kurtz AB; Goldberg BB; Levy DW; Rifkin MD; Pennell RG; Viloro M; Baltarowich O; Dahner W; Graziani L; Desai H, *Radiology* 1988; 167: 303
- neonatal brain: color Doppler imaging, part II. altered flow patterns from extracranial membrane oxygenation, Mitchell DG; Merton D; Desai H; Needleman L; Kurtz AB; Goldberg BB; Graziani L; Wolfson P, *Radiology* 1988; 167: 307
- new system for quantitative arterial imaging and blood flow measurements, Cunningham IA; Hobbs BB; Fenster A, *Invest Radiol* 1986; 21: 465
- nuclear magnetic resonance blood flow measurements, Singer JR, *Cardiovasc Intervent Radiol* 1986; 8: 251
- parametric imaging of blood flow, Strauss LG; Busch HP; Menges W; et al, *Eur J Radiol* 1988; 8: 24
- phase-offset technique to distinguish slow blood flow and thrombus on MR images, Dinsmore RE; Wedeen VJ; Rosen B; et al, *AJR* 1987; 148: 634
- portal hemodynamics in patients with hepatocellular carcinoma, Moriyasu F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H, *Radiology* 1986; 161: 707
- projective Fourier angiography, Norris DG; Jones RA; Hutchison JMS, *Magn Res Med* 1988; 7: 1
- projective MRI angiography and quantitative flow-volume densitometry, Wedeen VJ; Rosen BR; Buxton R; et al, *Magn Res Med* 1986; 3: 226
- pulsatility index of superior mesenteric artery blood velocity waveforms, Qamar ML; Read AE; Skidmore R; et al, *Ultrasound Med Biol* 1986; 12: 773
- pulsed-injection method for blood flow velocity measurement in intraarterial digital subtraction angiography, Shaw C-G; Plewes DB, *Radiology* 1986; 160: 556
- quantitation in positron emission tomography 8. effects of nonlinear parameter estimation on functional images, Huang S-C; Mahoney DK; Phelps ME, *JCAT* 1987; 11: 314
- quantitative flow measurements on phantoms and on blood vessels with MR, Meier D; Maier S; Bösiger P, *Magn Res Med* 1988; 8: 25
- quantitative flow measurement with the fast Fourier flow technique, Hennig J; Muri M; Brunner P; Friedburg H, *Radiology* 1988; 166: 237
- quantitative phase-flow MR imaging in dogs by using standard sequences: comparison with in vivo flow-meter measurements, Pettigrew RI; Dannels W; Galloway JR; et al, *AJR* 1987; 148: 411
- quantitative pulsed Doppler measurement of common femoral artery blood flow variables during postocclusive reactive hyperemia, Marquis C; Meister J-J; Mooser E; et al, *JCU* 1986; 14: 165
- radionuclide assessment of peripheral hemodynamics: new technique for measurement of forearm blood volume and flow, Todo Y; Tanimoto M; Yamamoto T; et al, *J Nucl Med* 1986; 27: 192
- rapid three-dimensional angiography with undersampled MR imaging, Wedeen VJ; Chao YS, *JCAT* 1987; 11: 24
- recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts, Risius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR; Grossbard EB, *Radiology* 1986; 160: 183
- simplified method of assessing hemodynamics in technetium-99m sulfur colloid liver imaging, Tong ECK; Son Y-O; Lee CHS, *Clin Nucl Med* 1987; 12: 723
- sonographic evaluation of platelet aggregate retention in a vortex within a simulated venous sinus, Machi J; Sigel B; Ramos JR, *J Ultrasound Med* 1986; 5: 685
- splenic artery and superior mesenteric artery blood flow: nonsurgical Doppler US measurements in healthy subjects and patients with chronic liver disease, Sato S; Ohnishi K; Sugita S; Okuda K, *Radiology* 1987; 164: 347
- stability of flow patterns in the *in vivo* post-stenotic velocity field, Hutchison KJ; Karpinski E, *Ultrasound Med Biol* 1988; 14: 269
- stop-type and shunt-type varicoceles: venographic findings, Sigmund G; Gall H; Bahren W, *Radiology* 1987; 163: 105
- time-of-flight method of measuring flow velocity by magnetic resonance imaging, Axel L; Shimakawa A; MacFall JR, *Magn Res Med* 1986; 4: 199
- time-of-flight MR flow imaging: selective saturation recovery with gradient refocusing, Wehrli FW; Shimakawa A; Gullberg GT; MacFall JR, *Radiology* 1986; 160: 781
- ultrasonic assessment of abdominal venous return: II. volume blood flow in the inferior vena cava and portal vein, Smith H-J; Grottmann P; Simonsen S, *Acta Radiol* 1986; 27: 23
- ultrasonic Doppler study of the hormonal response of blood flow in the normal human breast, Sambrook M; Bamber JC; Minasian H; et al, *Ultrasound Med Biol* 1987; 13: 121
- use of standard gradients with compound oblique angulation for optimal quantitative MR flow imaging in oblique vessels, Pettigrew RI; Dannels W, *AJR* 1987; 148: 405
- vector based approach to age-related changes of Doppler velocity waveforms in the brachial artery, Golczewski T; Krajewski A, *Ultrasound Med Biol* 1987; 13: 15
- visualization of moving fluid: quantitative analysis of blood flow velocity using MR imaging, Shimizu K; Matsuda T; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Mano H; Kawai K; Kiri M, *Radiology* 1986; 159: 195
- Blood, MR studies**
- blood flow imaging by cine magnetic resonance, Nayler GL; Firmin DN; Longmore DB, *JCAT* 1986; 10: 715
- carotid bifurcation: MR imaging: work in progress, Masaryk TJ; Ross JS; Modic MT; Lenz GW; Haacke EM, *Radiology* 1988; 166: 461
- colour display of quantitative blood flow and cardiac anatomy in a single magnetic resonance cine loop, Klipstein RH; Firmin DN; Underwood SR; et al, *Br J Radiol* 1987; 60: 105
- concurrent measurements of cerebral blood flow, sodium, lactate, and high-energy phosphate metabolism using ^{19}F , ^{23}Na , ^1H , and ^{31}P nuclear magnetic resonance spectroscopy, Eleff SM; Schnall MD; Ligetti L; et al, *Magn Res Med* 1988; 7: 412
- flow effects in multislice, spin-echo magnetic resonance imaging: model, experimental verification, and clinical examples, Williams DM; Meyer CR; Schreiner RJ, *Invest Radiol* 1987; 22: 642
- flow phenomena in MR imaging, Bradley WG Jr, *AJR* 1988; 150: 983
- flow velocity measurement with ac gradients, Walton JH; Conradi MS, *Magn Res Med* 1987; 4: 274
- further improvement of high-speed NMR flow-velocity measurement using a differential phase-encoding technique, Kim YS; Mun CW; Jung KJ; et al, *Magn Res Med* 1987; 4: 289
- influence of NMR measuring sequences and gradient variation on signals from flowing systems. magnetic resonance tomography on experimental models, Strecker E-P; Holz M; Meyer-Waarden K; et al, *Eur J Radiol* 1986; 6: 53
- in vivo validation of MR velocity imaging, Firmin DN; Nayler GL; Klipstein RH; et al, *JCAT* 1987; 11: 751
- MR appearance of blood and blood products: in vitro study, Cohen MD; McGuire WA; Cory DA; et al, *AJR* 1986; 146: 1293
- MR flow imaging by velocity-compensated/uncompensated difference images, Axel L; Morton D, *JCAT* 1987; 11: 31
- MR imaging of flow using the steady state selective saturation method, Hennig J; Mueri M; Friedburg H; et al, *JCAT* 1987; 11: 872
- multiecho magnetic resonance angiography, Dumoulin CL; Souza SP; Feng H, *Magn Res Med* 1987; 5: 47
- NMR investigation of hydroxyethyl starch-induced aggregation of human erythrocytes, Caines GH; Goldstein JH, *Magn Res Med* 1987; 5: 67
- NMR relaxation times of blood: dependence on field strength, oxidation state, and cell integrity, Gomori JM; Grossman RI; Yu-Ip C; et al, *JCAT* 1987; 11: 684
- phase-offset technique to distinguish slow blood flow and thrombus on MR images, Dinsmore RE; Wedeen VJ; Rosen B; et al, *AJR* 1987; 148: 634
- preservation of sickle cell blood-flow patterns during MR imaging: an in vivo study, Brody AS; Embury SH; Mentzer WC; et al, *AJR* 1988; 151: 139
- projective Fourier angiography, Norris DG; Jones RA; Hutchison JMS, *Magn Res Med* 1988; 7: 1
- rapid scan magnetic resonance angiography, Dumoulin CL; Souza SP; Hart HR, *Magn Res Med* 1987; 5: 238
- T2 effect of hemoglobin concentration: assessment with in vitro MR spectroscopy, Hayman LA; Ford JJ; Taber KH; Saleem A; Round ME; Bryan RN, *Radiology* 1988; 168: 489
- technique for velocity imaging using magnetic resonance imaging, Ridgway JP; Smith MA, *Br J Radiol* 1986; 59: 603
- when should GRASS be used?, Bradley WG, *Radiology* 1988; 169: 574
- Blood, platelets**
- acute thrombocytopenia induced by parenteral radiographic contrast medium, Lacy J; Bober-Sorcinelli KE; Farber LR; et al, *AJR* 1986; 146: 1298
- effect of various contrast media on coagulation, fibrinolysis, and platelet function: in vitro and in vivo study, Stormorken H; Skapek IO; Testart MC, *Invest Radiol* 1986; 21: 348
- evaluation of mathematic models to assess platelet kinetics, Lotter MG; Heyns ADP; Badenhorst PN; et al, *J Nucl Med* 1986; 27: 1192
- indium-111 labeled platelet deposition following transfemoral angiography, O'Connor MK; Brennan SS; Shanik DG, *Radiology* 1986; 158: 191
- indium-111 platelet kinetics in normal human subjects: tropone versus oxine methods, Vallabhajosula S; Machac J; Goldsmith SJ; et al, *J Nucl Med* 1986; 27: 1669

- radioisotope labeled platelets in medical diagnosis, Pope CF; Sostman HD, *Invest Radiol* 1986; 21: 611
- radiolabeled leukocytes and platelets, Datz FL, *Invest Radiol* 1986; 21: 191
- ultrasound-induced light transmission change within platelet suspensions as an indirect measure of platelet morphology: preliminary correlation with stirring-induced light transmission change, Trenchard PM, *Ultrasound Med Biol* 1987; 13: 197
- ultrasound-induced orientation of discoid platelets and simultaneous changes in light transmission: preliminary characterisation of the phenomenon, Trenchard PM, *Ultrasound Med Biol* 1987; 13: 183
- Blood, radionuclide studies**
- blood-flow measurement in muscle with Xe-133, Chung SY; Kim I; Ryo UY; Maskin C; Pinsky S, *Radiology* 1987; 165: 571
- fractional distribution of the cardiac output in man using micropheres labelled with technetium 99m, Crean PA; Pratt T; Davies GJ; et al, *Br J Radiol* 1986; 59: 209
- measurement of limb blood flow using technetium-labelled red blood cells, Parkin A; Robinson PJ; Wiggins PA; et al, *Br J Radiol* 1986; 59: 493
- radionuclide assessment of peripheral hemodynamics: new technique for measurement of forearm blood volume and flow, Todo Y; Tanimoto M; Yamamoto T; et al, *J Nucl Med* 1986; 27: 192
- Blood, sodium**
- hyponatremia as the result of preparation for abdominal ultrasound examination, Shapira I; Isakov A; Almog C, *JCU* 1988; 16: 61
- Blood, US studies**
- analysis of blood clot echogenicity, Peter DJ; Flanagan LD; Cranley JJ, *JCU* 1986; 14: 111
- cerebral hemodynamics in infants undergoing extracorporeal membrane oxygenation: further observations, Taylor GA; Short BL; Glass P; Ichord R, *Radiology* 1988; 168: 163
- color-encoded blood flow imaging, Zwiebel WJ, *Semin US CT MR* 1988; 9: 320
- Doppler blood flow velocity waveforms in alpha-thalassemia hydrops fetalis, Woo JSK; Liang ST; Lo RLS; et al, *J Ultrasound Med* 1987; 6: 679
- Doppler flowmeter for use in theatre, Beard JD; Evans JM; Skidmore R; et al, *Ultrasound Med Biol* 1986; 12: 883
- effects of aging on cardiac blood flow velocities, van Dam I; Wijn P; de Boo T; et al, *JCU* 1988; 16: 375
- further studies on ultrasonic properties of blood clots, Shung KK; Fei DY; Ballard JO III, *JCU* 1986; 14: 269
- measurement of volume flow in the human common femoral artery using a duplex ultrasound system, Lewis P; Psaila JV; Davies WT; et al, *Ultrasound Med Biol* 1986; 12: 777
- pulsatility index of superior mesenteric artery blood velocity waveforms, Qamar MI; Read AE; Skidmore R; et al, *Ultrasound Med Biol* 1986; 12: 773
- sonographic evaluation of platelet aggregate retention in a vortex within a simulated venous sinus, Machi J; Sigel B; Ramos JR, *J Ultrasound Med* 1986; 5: 685
- splenic artery and superior mesenteric artery blood flow: nonsurgical Doppler US measurements in healthy subjects and patients with chronic liver disease, Sato S; Ohnishi K; Sugita S; Okuda K, *Radiology* 1987; 164: 347
- Blood, volume**
- albumin labeled with Gd-DTPA as an intravascular, blood pool-enhancing agent for MR imaging: biodistribution and imaging studies, Schmiedl U; Ogan MD; Paajanen H; Marotti M; Crooks LE; Brito AC; Brasch RC, *Radiology* 1987; 162: 205
- Blood-brain barrier**
- blood tumour barrier in intracranial tumours studied with x-ray computed tomography and positron emission tomography using 68-Ga-EDTA, Mosskin M; von Holst H; Ericson K, *Neuroradiol* 1986; 28: 259
- comparison of blood-brain barrier disruption by intracarotid iohexol and iodoxanol in the rabbit, Wilcox J; Wilson AJ; Evill CA; et al, *AJNR* 1987; 8: 769
- contrast media-induced blood-brain barrier damage: potentiation by hypertension, Harnish PP; Hagberg DJ, *Invest Radiol* 1988; 23: 463
- effect on the blood-brain barrier of intracarotid contrast media—iopamidol and diatrizoate, Hayakawa K; Nakamura R; Ishii Y, *Eur J Radiol* 1988; 8: 47
- effects of intracarotid ionic and non-ionic contrast material on the blood-brain barrier in a rabbit model, Wilcox J; Evill CA; Sage MR, *Neuroradiol* 1986; 28: 271
- effects of intravascular contrast media on blood-brain barrier: comparison between iohalamate, iohexol, iopentol and iodoxanol, Michelet AA, *Acta Radiol* 1987; 28: 329
- late effects of radiation on the blood brain barrier, Remler MP; Marcussen WH; Tiller-Borsich J, *Int J Radiat Oncol Biol Phys* 1986; 12: 1965
- local blood-brain barrier penetration following systemic contrast medium administration: a case report and an experimental study, Utz R; Ekholm SE; Isaac L; et al, *Acta Radiol* 1988; 29: 237
- multiple sclerosis: gadolinium enhancement in MR imaging, Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH, *Radiology* 1986; 161: 721
- rate of clearance of intrathecal iopamidol in the dog, Wilcox J; Evill CA; Sage MR, *Neuroradiol* 1986; 28: 359
- simplified, noninvasive PET measurement of blood-brain barrier permeability, Iannotti F; Fieschi C; Alfano B; et al, *JCAT* 1987; 11: 390
- Blood vessels**
- vessel sizing wire: accurate vessel measurement using digital subtraction arteriography, Halden WJ Jr; White RI Jr; Bright J; Mitchell SE; Chang R, *Radiology* 1986; 161: 556
- Blood vessels, CT**
- case report: computed tomography of complications caused by manufacturing defects in synthetic grafts, Hertzanu Y; Hirsch M; Goldman L, *Cardiovasc Intervent Radiol* 1987; 10: 230
- Blood vessels, flow dynamics**
- See Blood, flow dynamics
- Blood vessels, foreign bodies**
- intravascular foreign bodies: percutaneous retrieval, Uflacker R; Lima S; Melichar AC, *Radiology* 1986; 160: 731
- retrieval of intravascular foreign bodies, Gerlock AJ Jr; Mirfakhraee M, *J Thorac Imag* 1987; 2: 52
- Blood vessels, grafts**
- 111 In-labeled leukocytes in the detection of prosthetic vascular graft infections, Williamson MR; Boyd CM; Read RC; et al, *AJR* 1986; 147: 173
- case report: computed tomography of complications caused by manufacturing defects in synthetic grafts, Hertzanu Y; Hirsch M; Goldman L, *Cardiovasc Intervent Radiol* 1987; 10: 230
- entrapment of below-the-knee bypass grafts, LeVein RF; Batterman HJ; Billman LA; et al, *Cardiovasc Intervent Radiol* 1986; 9: 100
- intravenous digital subtraction angiography in patients with suspected bypass graft occlusion following surgery for peripheral vascular disease, Butler P; Williamson B, *Br J Radiol* 1986; 59: 329
- Blood vessels, inflammation**
- See Vasculitis
- Blood vessels, MR studies**
- acute experimental cerebral ischemia: MR enhancement using Gd-DTPA, McNamara MT; Brant-Zawadzki M; Berry I; Pereira B; Weinstein PR; Derugin N; Moore S; Kucharczyk W; Brasch RC, *Radiology* 1986; 158: 701
- approaches to MR angiography, Spickler E; McKenna KM; Lufkin RB, *Comput Med Imag Graph* 1988; 12: 211
- calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging, von Schulthess GK; Augustiny N, *Radiology* 1987; 164: 549
- cardiovascular disease: evaluation with MR phase imaging, Rumancik WM; Naidich DP; Chandra R; Kowalski HM; McCauley DI; Megibow AJ; Hernandez-Schulman M; Genieser NB, *Radiology* 1988; 166: 63
- cardiovascular/interventional radiology, RSNA '87 meeting notes, Hunter DW; Baum S; Becker GJ; Casarella WJ; Cragg AH; Darcy MD; Kopecsky K; Smith TP, *Radiology* 1988; 166: 608
- cervical internal carotid artery dissecting hemorrhage: diagnosis using MR, Goldberg HI; Grossman RI; Gomori JM; Asbury AK; Bilaniuk LT; Zimmerman RA, *Radiology* 1986; 158: 157
- fast magnetic resonance in vascular diseases of the abdomen, Raval B; Kulkarni M; Narayana P; et al, *Magn Res Imag* 1988; 6: 473
- intravascular signal in MR imaging: use of phase display for differentiation of blood-flow signal from intraluminal disease, White EM; Edelman RR; Wedeen VJ; Brady TJ, *Radiology* 1986; 161: 245
- magnetic resonance angiography, Dumoulin CL; Hart HR Jr, *Radiology* 1986; 161: 717
- measurement of aortic blood flow with MR imaging: comparative study with Doppler US, Matsuda T; Shimizu K; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Tamaki S; Kawai C, *Radiology* 1987; 162: 857
- MR angiography with gradient motion refocusing, Laub GA; Kaiser WA, *JCAT* 1988; 12: 377
- MR gated subtraction angiography: evaluation of lower extremities, Meuli RA; Wedeen VJ; Geller SC; Edelman RR; Frank LR; Brady TJ; Rosen BR, *Radiology* 1986; 159: 411
- MRI of blood flow: correlation of image appearance with spin-echo phase shift and signal intensity, Valk PE; Hale JD; Crooks LE; et al, *AJR* 1986; 146: 931
- MR of superior mesenteric artery—renal vein fistula, Conces DJ Jr; Kreipke DL; Tarver RD, *Comput Radiol* 1986; 10: 279
- MR of vascular encasement in paraneoplastic masses: comparison with angiography and CT, Young SC; Grossman RI; Goldberg HI; et al, *AJNR* 1988; 9: 35
- nuclear magnetic resonance blood flow measurements, Singer JR, *Cardiovasc Intervent Radiol* 1986; 8: 251
- oblique magnetic resonance imaging of the cardiovascular system, Rholl KS; Levitt RG; Glazer HS; Gutierrez FR; Murphy WA; Lee JKT; Geltman EM; Peterson RR, *Radiographics* 1986; 6: 177
- projective MRI angiography and quantitative flow-volume densitometry, Wedeen VJ; Rosen BR; Buxton R; et al, *Magn Res Med* 1986; 3: 226
- quantification in peripheral angiography, Harrington DP; Kandarpa K, *Cardiovasc Intervent Radiol* 1987; 10: 400
- quantitative flow measurements on phantoms and on blood vessels with MR, Meier D; Maier S; Börsiger P, *Magn Res Med* 1988; 8: 25
- quantitative flow measurement with the fast Fourier flow technique, Hennig J; Müri M; Brunner P; Friedburg H, *Radiology* 1988; 166: 237
- rapid line scan NMR angiography, Frahm J; Merboldt KD; Hänicke W; et al, *Magn Res Med* 1988; 7: 79
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging, Le Bihan D; Breton E; Lallemand D; Aubin M-L; Vignaud J; Laval-Jeantet M, *Radiology* 1988; 168: 497
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging: a modest proposal with tremendous potential, Dixon WT, *Radiology* 1988; 168: 566
- spatial presaturation: a method for suppressing flow artifacts and improving depiction of vascular anatomy in MR imaging, Felmler JP; Ehman KL, *Radiology* 1987; 164: 559
- time-of-flight method of measuring flow velocity by magnetic resonance imaging, Axel L; Shimakawa A; MacFall JR, *Magn Res Imag* 1986; 4: 199
- time-of-flight MR flow imaging: selective saturation recovery with gradient refocusing, Wehrli FW; Shimakawa A; Gullberg GT; MacFall JR, *Radiology* 1986; 160: 781
- use of standard gradients with compound oblique angulation for optimal quantitative MR flow imaging in oblique vessels, Pettigrew RI; Dannels W, *AJR* 1987; 148: 405

Blood vessels, MR studies

- vascular magnetic resonance imaging, Fishman MC; Naidich JB; Stein HL. *Radiol Clin North Am* 1986; 24: 485
- visualization of moving fluid: quantitative analysis of blood flow velocity using MR imaging, Shimizu K; Matsuda T; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Mano H; Kawai C; Kiri M. *Radiology* 1986; 159: 195
- Blood vessels, stenosis or obstruction**
- accurate analysis of blood vessel sizes and stenotic lesions using stereoscopic DSA system, Fencil LE; Doi K; Hoffman KR. *Invest Radiol* 1988; 23: 33
- evaluation of a cinevideodensitometric method for measuring vessel dimensions from digitized angiograms, Nickoloff EL; Han J; Esser PD; et al. *Invest Radiol* 1987; 22: 875
- orderly approach: comments on the intravascular use of lasers, Garnic JD. *Cardiovasc Intervent Radiol* 1986; 9: 318
- Blood vessels, US studies**
- intraoperative monitoring in vascular surgery, Barnes RW. *Ultrasound Med Biol* 1986; 12: 919
- linear array system for deep vessel explorations, Berson M; Roncin A; Arbellite P; et al. *Ultrasound Med Biol* 1987; 13: 267
- vascular ultrasonography: abdominal applications, Needleman L; Rifkin MD. *Radiol Clin North Am* 1986; 24: 461
- Bone marrow**
- bone marrow imaging, Vogler JB III; Murphy WA. *Radiology* 1988; 168: 679
- degenerative disk disease: assessment of changes in vertebral body marrow with MR imaging, Modic MT; Steinberg PM; Ross JS; Masaryk TJ; Carter JR. *Radiology* 1988; 166: 193
- in vivo* modulation of glutathione by buthionine sulfoximine: effect on marrow response to melphalan, Russo A; Tochner Z; Phillips T; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1187
- marrow heterotopia in thalassemia, Papavasiliou C; Gouliamos A; Andreou J. *Eur J Radiol* 1986; 6: 92
- Bone marrow, biopsy**
- femoral head avascular necrosis: MR imaging with clinical-pathologic and radionuclide correlation, Beltran J; Herman LJ; Burk JM; Zuelzer WA; Clark RN; Lucas JG; Weiss LD; Yang A. *Radiology* 1988; 166: 215
- Bone marrow, CT**
- osteosarcoma: relation between extent of marrow infiltration on CT and frequency of lung metastases, Hermann G; Levitt M; Mendelson D; et al. *AJR* 1987; 149: 1203
- Bone marrow, effects of irradiation on**
- alteration in hematopoietic stem cell seeding and proliferation by both high and low dose rate irradiation of bone marrow stromal cells *in vitro*, Greenberger JS; Fitzgerald TJ; Klassen V; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 85
- bone marrow imaging, Vogler JB III; Murphy WA. *Radiology* 1988; 168: 679
- protection by WR-2721 of human bone marrow function following irradiation, Constine LS; Zagars G; Rubin P; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1505
- protection of mouse bone marrow by WR-2721 after fractionated irradiation, Travis EL; Fang M-Z; Basic I. *Int J Radiat Oncol Biol Phys* 1988; 15: 377
- Bone marrow, MR studies**
- bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M. *Radiology* 1987; 165: 541
- bone marrow imaging, Vogler JB III; Murphy WA. *Radiology* 1988; 168: 679
- bone marrow in children with acute lymphocytic leukemia: MR relaxation times, Moore SC; Gooding CA; Brasch RC; Ehman RL; Ringertz HG; Ablin AR; Matthay KK; Zoger S. *Radiology* 1986; 160: 237
- bone marrow in leukemia and aplastic anemia: MR imaging before, during, and after treatment, McKinstry CS; Steiner RE; Young AT; Jones L; Swirsky D; Aber V. *Radiology* 1987; 162: 701
- bone marrow magnetic resonance studies in childhood leukemia: evaluation of osteonecrosis, (ab), Pieters R; van Breukel AJ; Veerman AJP; et al. *Radiology* 1988; 168: 592
- bone marrow patterns in aplastic anemia: observations with 1.5-T MR imaging, Kaplan PA; Asleson RJ; Klassen LW; Duggan MJ. *Radiology* 1987; 164: 441
- changes in nuclear magnetic resonance (T_2) relaxation of limb tissue with bed rest, LeBlanc AD; Evans HJ; Schonfeld E; et al. *Magn Res Med* 1987; 4: 487
- cryoprotective effects of dimethyl sulfoxide on human bone marrow as studied by ^{31}P nuclear magnetic resonance spectroscopy, Brauer M; Penney HF; Janowska-Wieczorek A; et al. *Magn Res Med* 1986; 3: 203
- focal fat deposition in axial bone marrow: MR characteristics, Hajek PC; Baker LL; Goobar JE; Sartoris DJ; Hesselink JR; Haghighi P; Resnick D. *Radiology* 1987; 162: 245
- Gaucher disease: assessment with MR imaging, Lanir A; Hadar H; Cohen I; Tal Y; Benmair J; Schreiber R; Clouse ME. *Radiology* 1986; 161: 239
- hematologic bone marrow disorders: quantitative chemical shift MR imaging, Rosen BR; Fleming DM; Kushner DC; Zaner KS; Buxton RB; Bennett WP; Wismer GL; Brady TJ. *Radiology* 1988; 169: 799
- hematopoietic and fatty bone marrow distribution in the normal and ischemic hip: new observations with 1.5-T MR imaging, Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Axel L; Geffer WB; Kricun ME; Steinberg ME; Kressel HY. *Radiology* 1986; 161: 199
- in vivo* measurement of spin lattice relaxation time (T_1) of bone marrow in healthy volunteers: the effects of age and sex, Richards MA; Webb JAW; Jewell SE; et al. *Br J Radiol* 1988; 61: 30
- lipid/water ratio of bone marrow measured by phase-encoded proton nuclear magnetic resonance spectroscopy, Richards TL; Davis CA; Barker BR; et al. *Invest Radiol* 1987; 22: 741
- magnetic resonance imaging in diffuse malignant bone marrow diseases, Nyman R; Rehn S; Glimelius B; et al. *Acta Radiol* 1987; 28: 199
- magnetic resonance imaging of bone marrow disorders, Porter BA; Shields AF; Olson DO. *Radiol Clin North Am* 1986; 24: 269
- magnetic resonance imaging of marrow heterotopia in haemoglobinopathy, Papavasiliou C; Trakadas S; Gouliamos A; et al. *Eur J Radiol* 1988; 8: 50
- magnetic resonance imaging of the bone marrow in patients with leukemia, aplastic anemia, and lymphoma, Olson DO; Shields AF; Scheurich CJ; et al. *Invest Radiol* 1986; 21: 540
- magnetic resonance relaxation characteristics of muscle, fat and bone marrow of the extremities: normal values in a low field strength unit, Pettersson H; Slone RM. *Acta Radiol* 1987; 28: 363
- MRI in the detection of malignant infiltration of bone marrow, Daifner RH; Lupetin AR; Dash N; et al. *AJR* 1986; 146: 353
- MR imaging in myelofibrosis, Lanir A; Aghai E; Simon JS; et al. *JCAT* 1986; 10: 634
- MR imaging of bone marrow in children, Kangaroo H; Dietrich RB; Taira RT; et al. *JCAT* 1986; 10: 205
- MR imaging of marrow changes adjacent to end plates in degenerative lumbar disk disease, de Roos A; Kressel H; Spritzer C; et al. *AJR* 1987; 149: 531
- musculoskeletal radiology: RSNA '87 meeting notes, Murphy WA Jr; Freiburger RH; Vogler JB III. *Radiology* 1988; 166: 922
- nuclear magnetic resonance imaging of bone marrow in childhood leukaemia, Van Zanten TEG; Golding RP; Taets Van Amerongen AHM; et al. *Clin Radiol* 1988; 39: 77
- prolonged bone marrow T_1 -relaxation in patients with polycythemia vera, Jensen KE; Grube T; Thomsen C; et al. *Magn Res Imag* 1988; 6: 291
- transient osteoporosis: transient bone marrow edema?, Wilson AJ; Murphy WA; Hardy DC; Totty WG. *Radiology* 1988; 167: 757
- wrist: preliminary report on high-resolution MR imaging, Koenig H; Lucas D; Meissner R. *Radiology* 1986; 160: 463
- Bone marrow, radionuclide studies**
- bone marrow imaging, Vogler JB III; Murphy WA. *Radiology* 1988; 168: 679
- bone marrow visualization during technetium-99m DTPA renal imaging in septicemia and disseminated intravascular coagulation, Rousseau G; Shih W-J. *Clin Nucl Med* 1987; 12: 958
- detecting bone marrow metastases at the time of examining the liver with radiocolloid, Lentile BC; Kitchon T; Catz Z; et al. *J Nucl Med* 1987; 28: 184
- extensive pelvic infarction diagnosed by radionuclide skeletal and bone marrow imaging, Southey AE; Lee KJ; Rossleigh MA; et al. *Clin Nucl Med* 1988; 13: 613
- pelvic lesion simulated by asymmetric marrow uptake following umbilical artery injection of technetium-99m sulfur colloid, Vachon L; Colletti P. *Clin Nucl Med* 1986; 11: 872
- polymorphonuclear leukocytes labeled with technetium-99m HMPAO: a potential bone marrow imaging agent, Bennett JD; Dubeau RA; Driedger AA; et al. *Clin Nucl Med* 1988; 13: 44
- scintigraphic examination of bone and marrow infarcts in sickle cell disorders, Alavi A; Heyman S; Kim HC. *Semin Roentgenol* 1987; 22: 213
- transient osteoporosis: transient bone marrow edema?, Wilson AJ; Murphy WA; Hardy DC; Totty WG. *Radiology* 1988; 167: 757
- Bone marrow, transplantation**
- B-cell lymphoproliferative disorders in children after bone marrow transplantation: radiologic manifestations, Day DL; Shapiro RS; Yueh N; McClain K; Allan BT; Filipovich AH. *Radiology* 1987; 162: 807
- bone marrow transplantation for acute leukemia, Weisdorf DJ. *Invest Radiol* 1987; 22: 839
- computed tomography of gastrointestinal inflammation after bone marrow transplantation, Jones B; Fishman EK; Kramer SS; et al. *AJR* 1986; 146: 691
- CT demonstration of asymptomatic pulmonary emboli after bone marrow transplantation: case report, Allan BT; Day DL; Dehner LP. *Pediatr Radiol* 1987; 17: 65
- gastrointestinal inflammation after bone marrow transplantation: graft-versus-host disease or opportunistic infection?, Jones B; Kramer SS; Saral R; et al. *AJR* 1988; 150: 277
- graft versus host disease: findings on plain abdominal radiography, Belli A-M; Williams MP. *Clin Radiol* 1988; 39: 262
- hepatic venocclusive disease after bone-marrow transplantation: diagnosis with duplex sonography, Kriegshauser JS; Charboneau JW; Letendre L. *AJR* 1988; 150: 289
- high-risk Ewing's sarcoma: end-intensification using autologous bone marrow transplantation, Marcus RB Jr; Graham-Pole JR; Springfield DS; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 53
- immunosuppression prior to marrow transplantation for sensitized aplastic anemia patients: comparison of TLI with TBI, Shank B; Brochstein JA; Castro-Malasina H; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 133
- infectious complications in adults with bone marrow transplantation and T-cell depletion of donor marrow: increased susceptibility to fungal infections, (ab), Pirsch JD; Maki DG. *Radiology* 1986; 161: 284
- late onset of renal dysfunction in survivors of bone marrow transplantation, Tarbell NJ; Guinan EC; Niemeyer C; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 99
- lung damage following bone marrow transplantation: II. the contribution of cyclophosphamide, Varekamp AE; de Vries AJ; Zürcher C; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1515

- pneumatosis intestinalis after bone marrow transplantation, Day DL; Ramsay NK; Letourneau JG; AJR 1988; 151: 85
- pneumatosis intestinalis in children after allogeneic bone marrow transplantation, Yeager AM; Kanof ME; Kramer SS; et al, *Pediatr Radiol* 1987; 17: 18
- pulmonary fungal infections after bone marrow transplantation, Allan BT; Patton D; Ramsey NK; et al, *Pediatr Radiol* 1988; 18: 118
- radiographic findings in a canine model of mucopolysaccharidosis I: changes associated with bone marrow transplantation, Shull RM; Walker MA, *Invest Radiol* 1988; 23: 124
- regression of the radiological changes of Gaucher's disease following bone marrow transplantation, Storer F; Sargent JD; Hobbs JR, *Br J Radiol* 1987; 60: 1189
- venocclusive disease of the liver after allogeneic bone marrow transplantation in man, Ganem G; Girardin M-F S-M; Kuentz M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 879

Bone neoplasms

- adaptive histogram equalization in digital radiography of destructive skeletal lesions, Braunstein EM; Capek P; Buckwalter K; Bland P; Meyer CR, *Radiology* 1988; 166: 883
- approach to primary bone tumors, Moser RP Jr; Madewell JE, *Radiol Clin North Am* 1987; 25: 1049
- B cell malignancies presenting with unusual bone involvement and mimicking multiple myeloma: study of nine cases, (ab), Rossi J-F; Chappard S; Alexandre C; et al, *Radiology* 1988; 166: 589
- bilateral metachronous periosteal osteosarcoma, (ab), Howat AJ; Dickens DRV; Bolt DW, *Radiology* 1987; 163: 293
- bone sarcoma associated with Ollier's disease, (ab), Liu J; Hudkins PG; Sweet RG; et al, *Radiology* 1987; 165: 589
- case report 360, Coombs RJ; Zeiss J; McCann K; et al, *Skeletal Radiol* 1986; 15: 254
- case report 366, Mirra JM; Kameda N, *Skeletal Radiol* 1986; 15: 323
- case report 394, Abrahams TG; Hull M, *Skeletal Radiol* 1986; 15: 578
- case report 428, de Lange EE; Pope TL Jr; Fechner RE; et al, *Skeletal Radiol* 1987; 16: 481
- case report 444, Kemp HBS; Byers PD, *Skeletal Radiol* 1987; 16: 584
- case report 446, McCarthy EF; Tolo VT; Dorfman HD, *Skeletal Radiol* 1987; 16: 592
- case report 447, Xipell JM; McConchie I; Wallis PL, *Skeletal Radiol* 1987; 16: 597
- case report 472, Visscher DW; Alexander RW; Dempsey TR, *Skeletal Radiol* 1988; 17: 285
- case report 480, Yoshida SO; Karjoo R; Johnstone MR, *Skeletal Radiol* 1988; 17: 226
- case report 482, Nakajima H; Ushigome S; Fukuda J, *Skeletal Radiol* 1988; 17: 289
- case report 487, Genes BM; Zirilli VL; Schlesinger AE; et al, *Skeletal Radiol* 1988; 17: 306
- chondroblastoma arising in the triradiate cartilage: report of two cases with review of the literature, Matsuno T; Hasegawa I; Masuda T, *Skeletal Radiol* 1987; 16: 216
- chondromyxoid fibroma: report of three cases with predominant cortical involvement, Schajowicz F, *Radiology* 1987; 164: 783
- chondromyxosarcoma: a rare form of bone neoplasm in children, Laissy JP; Guillon F; Chesneau AM; et al, *Pediatr Radiol* 1987; 17: 429
- dedifferentiated chondrosarcoma of bone with leiomyosarcomatous mesenchymal component: a case report, Munk PL; Connell DG; Quenville NF, *J Canad Assoc Radiol* 1988; 39: 218
- dedifferentiated chondrosarcoma: radiographic features, de Lange EE; Pope TL Jr; Fechner RE, *Radiology* 1986; 161: 489
- dedifferentiated chondrosarcoma: report of the clinicopathological features and treatment of seventy-eight cases, (ab), Frassica FJ; Unni KK; Beabout JW; et al, *Radiology* 1987; 163: 590

- giant cell reparative granuloma and other giant cell lesions of the bones of the hands and feet, Picci P; Baldini N; Sudanes A; et al, *Skeletal Radiol* 1986; 15: 415
- giant cell tumor of the ischium: a report of two cases and review of the literature, Shankman S; Greenspan A; Klein MJ; et al, *Skeletal Radiol* 1988; 17: 46
- giant cell tumors of bone: treatment with radiation therapy, Seider MJ; Rich TA; Ayala AG; Murray JA, *Radiology* 1986; 161: 537
- incidence of malignant bone and joint tumors in Olmsted County, Minnesota, 1935 through 1981, (ab), Beard CM; Griffin MR; Schwenk NM; et al, *Radiology* 1988; 168: 590
- intraosseous glomus tumor: report of a case and review of the literature, Björkengren AG; Resnick D; Haghighi P; et al, *AJR* 1986; 147: 739
- intraosseous lipomas: radiologic and pathologic manifestations, Milgram JW, *Radiology* 1988; 167: 155
- lump on the thigh, Crone M; Watt I, *Br J Radiol* 1987; 60: 1035
- mesenchymal chondrosarcoma of bone and soft tissue: review of 111 cases, (ab), Nakashima Y; Unni KK; Shives TC; et al, *Radiology* 1986; 161: 575
- metabolic imaging of human extremity musculoskeletal tumors by PET, Kern KA; Brunetti A; Norton JA; et al, *J Nucl Med* 1988; 29: 181
- MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, *Radiology* 1988; 169: 281
- MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 169: 282
- MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 166: 313
- musculoskeletal tumors: follow-up with MR imaging after treatment with surgery and radiation therapy, Vanel D; Lacombe M-J; Couanet D; Kalifa C; Spielmann M; Genin J, *Radiology* 1987; 164: 243
- osteolytic tumors in acute megakaryoblastic leukemia, (ab), Dharmasena F; Wickham N; McHugh PJ; et al, *Radiology* 1987; 163: 840
- osteosarcomas arising on the surfaces of long bones, (ab), Schajowicz F; McGuire MH; Araujo ES; et al, *Radiology* 1988; 168: 887
- primary bone tumours of the hand: report of 21 cases, Kozlowski K; Azouz EM; Campbell J; et al, *Pediatr Radiol* 1988; 18: 140
- primary leiomyosarcoma of bone: a clinical, radiographic, pathologic-anatomic, and prognostic study of 16 cases, Berlin O; Angervall L; Kindblom L-G; et al, *Skeletal Radiol* 1987; 16: 364
- primary lesions of bone in the 1st decade of life: retrospective survey of biopsy results, Senac MO Jr; Isaacs H; Gwinn JL, *Radiology* 1986; 160: 491
- primary musculoskeletal tumors: examination with MR imaging compared with conventional modalities, Petterson H; Gillespy T III; Hamlin DJ; Enneking WF; Springfield DS; Andrew EK; Spanier S; Slone R, *Radiology* 1987; 164: 237
- primary tumors and tumor-like lesions of the clavicle, Smith J; Yuppa F; Watson RC, *Skeletal Radiol* 1988; 17: 235
- radiological appearances of telangiectatic osteosarcoma: study of 14 cases, Vanel D; Tcheng S; Contesso G; et al, *Skeletal Radiol* 1987; 16: 196
- sarcoma of bone following therapeutic irradiation for breast carcinoma, Doherty MA; Rodger A; Langlands AO, *Int J Radiat Oncol Biol Phys* 1986; 12: 103
- second malignant neoplasms after childhood cancer: report of three cases of osteogenic sarcoma, Ironside JAD, *Clin Radiol* 1987; 38: 195
- subperiosteal osteoid osteoma of the talus, Lander PH; Azouz EM; Marton D, *Clin Radiol* 1986; 37: 491
- unilateral mid-femoral periosteal newbone of varying aetiology in children: radiographic analysis of 25 cases, Kozlowski K; Diard F; Padovani J; et al, *Pediatr Radiol* 1986; 16: 475

Bone neoplasms, angiography

- angiographic response of osteosarcoma following pre-operative chemotherapy, Kumpan W; Lechner G; Wittich GR; et al, *Skeletal Radiol* 1986; 15: 96
- radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination, Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ, *Radiology* 1988; 169: 805
- Bone neoplasms, CT**
- ameloblastoma associated with basal cell nevus (Gorlin) syndrome: CT findings, Schultz SM; Twickler DM; Wheeler DE; et al, *JCAT* 1987; 11: 901
- comparison of computed tomography and conventional radiology in the assessment of treatment response of lytic bony metastases in patients with carcinoma of the breast, Bellamy EA; Nicholas D; Ward M; et al, *Clin Radiol* 1987; 38: 351
- comparison of MR imaging and CT in the evaluation of musculoskeletal masses, Wetzel LH; Levine E; Murphy MD, *Radiographics* 1987; 7: 851
- computed tomography analysis of bone tumors: patterns of cortical destruction and tissue extension, Brown KT; Kattapuram SV; Rosenthal DI, *Skeletal Radiol* 1986; 15: 448
- computed tomography and ultrasonography of the hemophilic pseudotumor and their use in surgical planning, Hermann G; Yeh H-C; Gilbert MS, *Skeletal Radiol* 1986; 15: 123
- computed tomography of desmoid tumors of bone: desmoplastic fibroma, Young JWR; Ainsner SC; Levine AM; et al, *Skeletal Radiol* 1988; 17: 333
- computed tomography of the scapula, Crone-Munzbrock W; Heller M, *Eur J Radiol* 1986; 6: 99
- CT evaluation of osseous tumors, Rotte KH; Schmidt-Peter P; Kriedemann E, *Eur J Radiol* 1986; 6: 5
- CT of skeletal metastasis, Rafii M; Firooznia H; Golimbu C; et al, *Semin US CT MR* 1986; 7: 371
- epiphyseal growth plate: evaluation with modified coronal CT, Murray K; Nixon GW, *Radiology* 1988; 166: 263
- fluid-fluid levels in giant cell tumors of bone: report of two cases, Kaplan PA; Murphy M; Greenway G; et al, *CT* 1987; 11: 151
- granulocytic sarcoma (chloroma) of bone: CT appearance, Libson E; Blood RA; Galun E; et al, *Comput Radiol* 1986; 4: 175
- MRI and CT evaluation of primary bone and soft-tissue tumors, Aisen AM; Martel W; Braunstein EM; et al, *AJR* 1986; 146: 749
- musculoskeletal desmoid tumors: CT assessment during therapy, Magid D; Fishman EK; Wharam MD Jr; et al, *JCAT* 1988; 12: 222
- osteosarcoma: role of CT in limb-sparing treatment, Schreiman JS; Crass JR; Wick MR; Maile CW; Thompson RC Jr, *Radiology* 1986; 161: 485
- parosteal osteosarcoma: radiologic-pathologic correlation with emphasis on CT, Lindell MM Jr; Shirkhoda A; Raymond AK; et al, *AJR* 1987; 148: 323
- quantitative computed tomography scanning for measurement of bone and bone marrow fat content: a comparison of single- and dual-energy techniques using a solid synthetic phantom, Goodsitt MM; Rosenthal DI, *Invest Radiol* 1987; 22: 799
- radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination, Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ, *Radiology* 1988; 169: 805
- role of computed tomography in evaluation of skeletal metastases, Rafii M; Firooznia H; Kramer E; et al, *CT* 1988; 12: 19
- Bone neoplasms, diagnosis**
- aneurysmal bone cysts: MR imaging at 1.5 T, Beltran J; Simon DC; Levy M; Herman LJ; Weiss LD; Mueller CF, *Radiology* 1986; 158: 689
- bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M, *Radiology* 1987; 165: 541

Bone neoplasms, diagnosis

epiphyseal osteosarcoma: distinguishing features from clear cell chondrosarcoma, chondroblastoma, and epiphyseal enchondroma, (ab), Tsuneyoshi M; Dorfman HD, Radiology 1987; 165: 886

flow study and SPECT imaging for the diagnosis of giant cell tumor of bone, Krasnow AZ; Isitman AT; Collier BD; et al, Clin Nucl Med 1988; 13: 89

Bone neoplasms, metastases

case report: calcified liver metastases from osteosarcoma, Shapiro RS; Mendelson DS; Norton KI; et al, CT 1988; 12: 196

dedifferentiated chondrosarcoma: radiographic features, de Lange EE; Pope TL Jr; Fechner RE, Radiology 1986; 161: 489

nontraumatic avulsion of the lesser trochanter: a pathognomonic sign of metastatic disease?, Phillips CD; Pope TL Jr; Jones JE; et al, Skeletal Radiol 1988; 17: 106

osteosarcoma: relation between extent of marrow infiltration on CT and frequency of lung metastases, Hermann G; Leviton M; Mendelson D; et al, AJR 1987; 149: 1203

postoperative whole lung irradiation with or without adriamycin in osteogenic sarcoma, Zaharia M; Caceres E; Valdivia S; et al, Int J Radiat Oncol Biol Phys 1986; 12: 907

radionuclide evaluation of skeletal metastases: practical considerations, Gold RH; Bassett LW, Skeletal Radiol 1986; 15: 1

sclerotic bone metastasis: radiologic-pathologic correlation, Aoki J; Yamamoto I; Hino M; Shigeno C; Kitamura N; Itoh H; Torizuka K; Itoh T; Furuta M, Radiology 1986; 159: 127

Sr-89 therapy for metastatic bone disease: scintigraphic and radiographic follow-up, Kloiber R; Molnar CP; Barnes M, Radiology 1987; 163: 719

Bone neoplasms, MR studies

bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M, Radiology 1987; 165: 541

comparison of MR imaging and CT in the evaluation of musculoskeletal masses, Wetzel LH; Levine E; Murphy MD, Radiographics 1987; 7: 851

magnetic resonance imaging appearance at 1.5 Tesla of cartilaginous tumors involving the epiphysis, Fobben ES; Dalinka MK; Schiebler ML; et al, Skeletal Radiol 1987; 16: 647

magnetic resonance imaging of musculoskeletal neoplasms, Richardson ML; Kilcoyne RF; Gillespie T III; et al, Radiol Clin North Am 1986; 24: 259

magnetic resonance imaging of osteosarcoma, Sundaram M; McGuire MH; Herbold DR, Skeletal Radiol 1987; 16: 23

magnetic resonance imaging of primary malignant bone tumors, Bloem JL; Bluem RM; Taminiau AHM; van Oosterom AT; Stolk J; Doornbos J, Radiographics 1987; 7: 425

magnetic resonance imaging of primary tumours and tumour-like lesions of bone, Bohndorf K; Reiser M; Lochner B; et al, Skeletal Radiol 1986; 15: 511

MR appearance of fibroxanthoma, Kransdorf MJ; Utz JA; Gilkey FW; et al, JCAT 1988; 12: 612

MRI and CT evaluation of primary bone and soft-tissue tumors, Aisen AM; Martel W; Braunstein EM; et al, AJR 1986; 146: 749

MR imaging of osteogenic and Ewing's sarcoma, Boyko OB; Cory DA; Cohen MD; et al, AJR 1987; 148: 317

MR imaging of osteoid osteoma, Glass RB; Poznanski AK; Fisher MR; et al, JCAT 1986; 10: 1065

MR imaging of solitary osteochondromas: report of eight cases, Lee JK; Yao L; Wirth CR, AJR 1987; 149: 557

MR in the diagnosis of bone tumors, (ab), Reiser M; Rupp N; Biehl T; et al, Radiology 1986; 158: 569

musculoskeletal tumors: follow-up with MR imaging after treatment with surgery and radiation therapy, Vanel D; Lacombe M-J; Couanet D; Kalifa C; Spielmann M; Genin J, Radiology 1987; 164: 243

musculoskeletal tumors: improved depiction with linear combinations of MR images, Levin DN; Herrmann A; Spraggins TA; Collins PA; Dixon LB; Simon MA; Stillman AE, Radiology 1987; 163: 545

musculoskeletal tumors: T1 and T2 relaxation times, Pettersson H; Slone RM; Spanier S; Gillespie T III; Fitzsimmons JR; Scott KN, Radiology 1988; 167: 783

osteosarcoma and other neoplasms of bone: magnetic resonance spectroscopy to monitor therapy, (ab), Ross B; Helsper JT; Cox JJ; et al, Radiology 1988; 167: 589

primary musculoskeletal tumors: examination with MR imaging compared with conventional modalities, Pettersson H; Gillespie T III; Hamlin DJ; Enneking WF; Springfield DS; Andrew ER; Spanier S; Slone R, Radiology 1987; 164: 237

radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination, Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ, Radiology 1988; 169: 805

role of magnetic resonance imaging in giant cell tumor of bone, Herman SD; Mesgarzadeh M; Bonakdarpour A; et al, Skeletal Radiol 1987; 16: 635

skeletal involvement in hairy cell leukemia, Herold CJ; Wittich GR; Schwaringer I; et al, Skeletal Radiol 1988; 17: 171

Bone neoplasms, radionuclide studies

appearance of metastatic meningioma on bone scintigraphy, Jackson JG; Moineuddin M, Clin Nucl Med 1986; 11: 819

bone metastases in Zollinger-Ellison syndrome demonstrated by scintigraphy, Van den Abbeele AD; Hardoff R; Royal HD; et al, Clin Nucl Med 1987; 12: 954

cold technetium-99m HDP and hot gallium-67 images of metastatic adenocarcinoma of bone, Ahn C-S; Tow DE, Clin Nucl Med 1988; 13: 371

extensive skeletal involvement detected by gallium-67 citrate in a patient with multiple myeloma, Nishiyama H; Morand TM; Seiwert VJ, Clin Nucl Med 1988; 13: 179

false-negative bone image with radiographically evident osteoblastic lesions in prostatic carcinoma, Vasquez TE; Frey C; Walker LN; et al, Clin Nucl Med 1986; 11: 817

fibrome chondromyxoid: aspects radiologique et radio-isotopique, Eybalin M-C; Danaï S; Marton D; et al, J Canad Assoc Radiol 1988; 39: 148

flow study and SPECT imaging for the diagnosis of giant cell tumor of bone, Krasnow AZ; Isitman AT; Collier BD; et al, Clin Nucl Med 1988; 13: 89

imaging of bone tumors using a monoclonal antibody raised against human osteosarcoma, (ab), Armitage NC; Perkins AC; Pimm MV; et al, Radiology 1987; 162: 294

indium-111 leukocyte uptake in a case of metastatic tumor, McCarthy KE; Velchik MG, Clin Nucl Med 1986; 11: 440

intraoperative osteoscintigraphy as an aid to bone biopsy, Renzoni SA; Convery FR; Ashburn W; et al, Clin Nucl Med 1986; 11: 619

localization of human osteogenic sarcoma xenografts in nude mice by a monoclonal antibody labeled with radioiodine and indium-111, Sakahara H; Endo K; Nakashima T; et al, J Nucl Med 1987; 28: 342

lymphoma of the skeleton: scintigraphic evaluation, Orzel JA; Sawaf NW; Richardson ML, AJR 1988; 150: 1095

multifocal osteogenic sarcoma in the seventh decade, Vento JA; Edkin R; Slavin JD Jr; et al, Clin Nucl Med 1986; 11: 282

photopenic lesion in osteosarcoma, Rossleigh MA; Smith J; Yeh SD; et al, Br J Radiol 1987; 60: 497

radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination, Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ, Radiology 1988; 169: 805

radionuclide bone scanning in giant cell tumor, Van Nostrand D; Madewell JE; McNiesh LM; et al, J Nucl Med 1986; 27: 329

radionuclide evaluation of skeletal metastases: practical considerations, Gold RH; Bassett LW, Skeletal Radiol 1986; 15: 1

ring-like uptake pattern of a skeletal imaging agent in a huge renal cell carcinoma, Shih W-J; DeLand FH; Domstad PA; et al, Clin Nucl Med 1986; 11: 319

role of bone scintigraphy in osteogenic sarcoma, Rees CR; Siddiqui AR; duCret RP, Skeletal Radiol 1986; 15: 365

role of indium-111 chloride imaging in osteoid osteoma, Kumar R; Swischuk LE; Schreiber MH, Clin Nucl Med 1986; 11: 721

skeletal metastasis from gastrinoma: uncommon manifestation of pancreatic endocrine tumor, Park H-M; Gudkese DB; Clark SA; et al, Clin Nucl Med 1986; 11: 799

Tc-99m hexamethylpropylene-amine oxine (HM-PAO) uptake in a bone metastasis, Hoshi H; Jinnouchi S; Sameshima M; et al, Clin Nucl Med 1988; 13: 595

⁹⁹Tc-MDP and ⁹⁹Tc-DPD in pathologic bone lesions: a visual and quantitative comparison, Lantto T; Vorne M; Mokka R; et al, Acta Radiol 1987; 28: 631

technetium-99m labeled red blood cells in the evaluation of hemangiosarcoma, Joseph UA; Jhingan SG, Clin Nucl Med 1987; 12: 845

technetium-99m MDP accumulation in hepatic metastasis from osteogenic sarcoma, Palestro C; Lawrence LP; Strashun AM; et al, Clin Nucl Med 1987; 12: 329

technetium-99m MDP demonstration of neoplastic lesions involving bone and adjacent soft tissues, Mathews J; Slavin JD Jr; Spencer RP, Clin Nucl Med 1986; 11: 98

technetium-99m MDP scintigraphy: insensitive tool for the detection of bone marrow metastases, Gulenchyn KY; Papoff W, Clin Nucl Med 1987; 12: 45

value of routine radionuclide bone scans in renal cell carcinoma, (ab), Blacher E; Johnson DE; Haynie TP, Radiology 1986; 159: 571

visualization by dynamic and static osseous scintigraphy of pelvic chondrosarcoma in multiple hereditary exostosis, Jackson RL; Llaurodo JG, Clin Nucl Med 1987; 12: 113

bone neoplasms, secondary

acrometastases, (ab), Healey JH; Turnbull ADM; Miedema B; et al, Radiology 1987; 162: 294

appearance of metastatic meningioma on bone scintigraphy, Jackson JG; Moineuddin M, Clin Nucl Med 1986; 11: 819

bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M, Radiology 1987; 165: 541

bone metastasis from carcinoma of the oesophagus, Bhushan B; Watal G; Ahmed A; et al, Australas Radiol 1987; 31: 414

bone scan flare predicts successful systemic therapy for bone metastases, Coleman RE; Mashiter G; Whitaker KB; et al, J Nucl Med 1988; 29: 1354

case report 372, Kaplan PA; Phalen J; Macke R, Skeletal Radiol 1986; 15: 383

case report 403, Vigorita VJ; Vitale A; Sclafani S; et al, Skeletal Radiol 1986; 15: 680

case report 434, Ihmeidan IH; Tehranzadeh J; Mnaymneh W; et al, Skeletal Radiol 1987; 16: 568

case report 450, Hermann G; Moss D; Norton KI; et al, Skeletal Radiol 1987; 16: 657

clinical and radiologic characteristics of bone metastases in breast cancer, (ab), Kamby C; Vejborg I; Dagaard S; et al, Radiology 1988; 167: 887

cold sternal image as a sign of metastatic involvement, Carrio I; Latorch M, Clin Nucl Med 1986; 11: 417

comparison of computed tomography and conventional radiology in the assessment of treatment response of lytic bony metastases in patients with carcinoma of the breast, Bellamy EA; Nicholas D; Ward M; et al, Clin Radiol 1987; 38: 351

- cortical bone metastases, Coerkamp EG; Kroon HM, *Radiology* 1988; 169: 525
- CT of skeletal metastasis, Rafii M; Firooznia H; Golimbu C; et al, *Semin US CT MR* 1986; 7: 371
- headless bone scan: an uncommon manifestation of metastatic supracranial carcinoma of the prostate, Massie JD; Sebes JL, *Skeletal Radiol* 1988; 17: 111
- metastatic breast cancer confined to the skeletal system: an indolent disease, (ab), Sherry MM; Greco FA; Johnson DH; et al, *Radiology* 1987; 163: 292
- osteosclerotic metastasis from thyroid carcinoma, Mohan V; Bhushan B; Sahai SB; et al, *Australas Radiol* 1987; 31: 204
- percutaneous bone biopsy in the patient with known or suspected osseous metastases, Mink JH, *Radiology* 1986; 161: 191
- periosteal sunburst reaction to bone metastases: a literature review and report of 20 additional cases, Bloom RA; Libson E; Husband JE; et al, *Skeletal Radiol* 1987; 16: 629
- pheochromocytoma presenting as musculoskeletal pain from bone metastases, Lynn MD; Braunstein EM; Shapiro B, *Skeletal Radiol* 1987; 16: 552
- Re-186(Sn) HEDP for treatment of multiple metastatic foci in bone: human biodistribution and dosimetric studies, Maxon HR; Deutsch EA; Thomas SR; Libson K; Lukes SJ; Williams CC; Ali S, *Radiology* 1988; 166: 501
- regression of osteoblastic metastases from carcinoma of the prostate following therapy with tamoxifen, Amin R, *Br J Radiol* 1986; 59: 703
- resorbing bone stimulates tumor cell growth: role for the host microenvironment in bone metastasis, (ab), Manishen WJ; Sivananthan K; Orr FW, *Radiology* 1986; 161: 575
- role of computed tomography in evaluation of skeletal metastases, Rafii M; Firooznia H; Kramer E; et al, *CT* 1988; 12: 19
- skeletal localization of samarium-153 chelates: potential therapeutic bone agents, Goekeler WF; Edwards B; Volkert WA; et al, *J Nucl Med* 1987; 28: 495
- skeletal metastases, Thrall JH; Ellis BI, *Radiol Clin North Am* 1987; 25: 1155
- skeletal metastases from cancer of the uterine cervix: frequency, patterns, and radiotherapeutic significance, Kim RY; Weppelmann B; Salter MM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 705
- skeletal metastases from hepatoma: frequency, distribution, and radiographic features, Kuhlman JE; Fishman EK; Lechner PK; Magid D; Order SE; Siegelman SS, *Radiology* 1986; 160: 175
- skeletal metastasis from gastrinoma: uncommon manifestation of pancreatic endocrine tumor, Park H-M; Gudkess DB; Clark SA; et al, *Clin Nucl Med* 1986; 11: 799
- strontium-89 for palliation of bone metastases, (ab), Reddy EK; Robinson RG; Mansfield CM, *Radiology* 1986; 160: 285
- strontium-89 therapy: measurement of absorbed dose to skeletal metastases, Blake GM; Zivanovic MA; Blaquiere RM; et al, *J Nucl Med* 1988; 29: 549
- Tc-99m hexamethylpropylene-amine oxine (HM-PAO) uptake in a bone metastasis, Hoshi H; Jinnouchi S; Sameshima M; et al, *Clin Nucl Med* 1988; 13: 595
- technetium-99m MDP scintigraphy: insensitive tool for the detection of bone marrow metastases, Gulenchyn KY; Papoff W, *Clin Nucl Med* 1987; 12: 45
- uptake of technetium-99m DISIDA by bone metastasis from a hepatoma, Pons F; Lomeña F; Calvet X; et al, *Clin Nucl Med* 1988; 13: 280
- Bone neoplasms, staging**
- correlation between the radiologic staging studies and histopathologic findings in aggressive stage 3 giant cell tumor of bone, (ab), Present DA; Bertoni F; Hudson T; et al, *Radiology* 1986; 160: 285
- radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination, Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ, *Radiology* 1988; 169: 805
- Bone neoplasms, therapeutic radiology**
- bone healing following irradiation during tourniquet ischaemia, Kalebo P; Jacobsson M; Albrektsson T; et al, *Acta Oncol* 1987; 26: 63
- Edinburgh experience of treating sarcomas of soft tissues and bone with neutron irradiation, Duncan W; Arnott SJ; Jack WJL, *Clin Radiol* 1986; 37: 317
- elective whole-lung irradiation in osteosarcoma treatment: appearance of bilateral breast cancer in two long-term survivors, Ivins JC; Taylor WF; Wold LE, *Skeletal Radiol* 1987; 16: 133
- giant cell tumors of bone: treatment with radiation therapy, Seider MJ; Rich TA; Ayala AG; Murray JA, *Radiology* 1986; 161: 537
- imaging and treatment of disseminated neuroblastoma with ¹³¹I-metastatodibenzylguanidine, Gerrard M; Eden OB; Merrick MV, *Br J Radiol* 1987; 60: 393
- palliative efficacy of a single high dose of radiation in treatment of symptomatic osseous metastases, Barak F; Werner A; Walach N; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1233
- radiation therapy of giant cell tumor of bone: analysis of 35 patients, Chen ZX; Gu DZ; Yu ZH; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 329
- radiation treatment of giant-cell tumour of bone (osteoclastoma), Dagaard S; Johansen HF; Barfod G; et al, *Acta Oncol* 1987; 26: 41
- radiotherapy for chordoma, Fuller DB; Bloom JG, *Int J Radiat Oncol Biol Phys* 1988; 15: 331
- Re-186(Sn) HEDP for treatment of multiple metastatic foci in bone: human biodistribution and dosimetric studies, Maxon HR; Deutsch EA; Thomas SR; Libson K; Lukes SJ; Williams CC; Ali S, *Radiology* 1988; 166: 501
- Sr-89 therapy for metastatic bone disease: scintigraphic and radiographic follow-up, Kloiber K; Molnar CP; Barnes M, *Radiology* 1987; 163: 719
- strontium-89 therapy: measurement of absorbed dose to skeletal metastases, Blake GM; Zivanovic MA; Blaquiere RM; et al, *J Nucl Med* 1988; 29: 549
- strontium-89 therapy: strontium kinetics and dosimetry in two patients treated for metastasising osteosarcoma, Blake GM; Zivanovic MA; McEwan AJ; et al, *Br J Radiol* 1987; 60: 253
- Bone neoplasms, therapy**
- angiographic response of osteosarcoma following pre-operative chemotherapy, Kumpan W; Lechner G; Wittich GR; et al, *Skeletal Radiol* 1986; 15: 96
- early radiologic detection of local recurrence after curettage and acrylic cementation of giant cell tumours, Petersen H; Rydholm A; Persson B, *Eur J Radiol* 1986; 6: 1
- effect of chemotherapy on osteosarcoma of the extremities as apparent from conventional roentgenograms, den Heeten GJ; Thijn CJP; Kamps WA; et al, *Pediatr Radiol* 1986; 16: 407
- giant cell tumor of bone: radiographic changes following local excision and allograft replacement, Kattapuram SV; Phillips WC; Mankin HJ, *Radiology* 1986; 161: 493
- iodine-131-labeled diphosphonates for palliative treatment of bone metastases: II. preliminary clinical results with iodine-131 BDP3, Eisenhut M; Berberich R; Kimmig B; et al, *J Nucl Med* 1986; 27: 1255
- musculoskeletal tumors: follow-up with MR imaging after treatment with surgery and radiation therapy, Vanel D; Lacombe M-J; Couanet D; Kalifa C; Spielmann M; Genin J, *Radiology* 1987; 164: 243
- osteosarcoma: role of CT in limb-sparing treatment, Schreiman JS; Crass JR; Wick MR; Maille CW; Thompson RC Jr, *Radiology* 1986; 161: 485
- skeletal localization of samarium-153 chelates: potential therapeutic bone agents, Goekeler WF; Edwards B; Volkert WA; et al, *J Nucl Med* 1987; 28: 495
- Bone neoplasms, US studies**
- computed tomography and ultrasonography of the hemophilic pseudotumor and their use in surgical planning, Hermann G; Yeh H-C; Gilbert MS, *Skeletal Radiol* 1986; 15: 123
- Bones**
- See also under names of individual bones
- radiology of skeletal elements in the subitl region: incidence and significance, Coral A, *Skeletal Radiol* 1987; 16: 298
- Bones, abnormalities**
- autosomal recessive disorder with retardation of growth, mental deficiency, ptosis, pectus excavatum and campodactyly, Khalidi F; Bennaceur B; Hammou A; et al, *Pediatr Radiol* 1988; 18: 432
- benign cortical defect: site for an avulsion fracture, Kumar R; Swischuk LE; Madewell JE, *Skeletal Radiol* 1986; 15: 553
- bone changes in the extremities in sickle cell anemia, Bohrer SP, *Semin Roentgenol* 1987; 22: 176
- case report 341, Milgrom C; Kaplan L; Lax E, *Skeletal Radiol* 1986; 15: 150
- case report 485, Gaetani SA; Ferraris AM; D'Agosta A, *Skeletal Radiol* 1986; 15: 298
- cerebro-costal-mandibular syndrome with stippled epiphysis and cystic fibrosis, Burton EM; Oestreich AE, *Pediatr Radiol* 1988; 18: 365
- cloverleaf skull associated with unusual skeletal anomalies, Say B; Poznanski AK, *Pediatr Radiol* 1987; 17: 93
- computed tomography and plain film appearance of a bony sequestration: significance and differential diagnosis, Helms CA; Jeffrey RB Jr; Wing VW, *Skeletal Radiol* 1987; 16: 117
- computed tomography in the evaluation of partial growth plate arrest in children, Young JWR; Bright RW; Whitley NO, *Skeletal Radiol* 1986; 15: 530
- computed tomography of partial growth plate arrest: initial experience, De Campo JF; Boldt DW, *Skeletal Radiol* 1986; 15: 526
- computerized tomography and ultrasound in the diagnosis of cerebro-hepato-renal syndrome of Zellweger, Weese-Mayer DE; Smith KM; Reddy JK; et al, *Pediatr Radiol* 1987; 17: 170
- generalised enchondromatosis associated with haemangiomas, soft-tissue calcifications and hemihypertrophy, Phelan EMD; Carty HML; Kalos S, *Br J Radiol* 1986; 59: 69
- hypertrophic osteoarthropathy in a young child with congenital cyanotic heart disease, Kataria S; Prasad PJ; Marwaha RK; et al, *Br J Radiol* 1986; 59: 75
- new syndrome with ocular, skeletal and renal involvement, Silengo MC; Bell GL; Biagioli M; et al, *Pediatr Radiol* 1987; 17: 238
- Proteus syndrome: the magnetic resonance and radiological features, Cremin BJ; Viljoen DL; Wynchank S; et al, *Pediatr Radiol* 1987; 17: 486
- radiological abnormalities of the skeleton in patients with sickle-cell anemia: study of 222 cases in Tunisia, Ben Dridi MF; Oumaya A; Gastli H; et al, *Pediatr Radiol* 1987; 17: 296
- radiologic findings in the Proteus syndrome, Azouz EM; Costa T; Fitch N, *Pediatr Radiol* 1987; 17: 481
- skeletal abnormalities of acrogeria, a progeroid syndrome, Ho A; White SJ; Rasmussen JE, *Skeletal Radiol* 1987; 16: 463
- thickened cortical bones in congenital neutropenia, Boechat ML; Gormley LS; O'Laughlin BJ, *Pediatr Radiol* 1987; 17: 124
- unusual facies, arthrogryposis, advanced skeletal maturation and unique bone changes: a new congenital malformation syndrome, Jequier S; Kozlowski K, *Pediatr Radiol* 1987; 17: 405
- Bones, biopsy**
- aluminum toxicity in patients undergoing dialysis: radiographic findings and prediction of bone biopsy results, Kriegerhauser JS; Sweet RG; McCarthy JT; Hauser MF, *Radiology* 1987; 164: 399
- computed tomography guidance for skeletal biopsy, Frager DH; Goldman MJ; Seimon LP; et al, *Skeletal Radiol* 1987; 16: 644

Bones, biopsy

- intraoperative osteosclerography as an aid to bone biopsy, Renzoni SA; Convery FR; Ashburn W; et al, *Clin Nucl Med* 1986; 11: 619
- percutaneous bone biopsy in the patient with known or suspected osseous metastases, Mink JH, *Radiology* 1986; 161: 191
- traumatic closed iliac bone biopsy defect simulating involvement by Hodgkin's disease, Libson E; Fields SJ; Uziel B; et al, *Comput Med Imag Graph* 1988; 12: 187
- Bones, blood supply**
- measurement of absolute bone blood flow by positron emission tomography, Nahmias C; Cockshott WP; Belbeck LW; et al, *Skeletal Radiol* 1986; 15: 198
- Bones, chromosomal aberrations**
- fetal mucopolipidosis II (I-cell disease): radiologic and pathologic correlation, Babcock DS; Bove KE; Hug G; et al, *Pediatr Radiol* 1986; 16: 32
- intrauterine growth retardation in the first trimester associated with triploidy, Benacerraf BR, *J Ultrasound Med* 1988; 7: 153
- rib gap anomaly in partial or mosaic trisomy 8, Kozlowski K; Collis J; Suter M; et al, *Skeletal Radiol* 1988; 17: 251
- trisomy 21 in newborn infants: chest radiographic diagnosis, Edwards DK; Berry CC; Hilton SVW, *Radiology* 1988; 167: 317
- Bones, CT**
- aneurysmal bone cysts: MR imaging at 1.5 T, Beltran J; Simon DC; Levy M; Herman LJ; Weiss LD; Mueller CF, *Radiology* 1986; 158: 689
- bone changes in oophorectomized monkeys: CT findings, Mazzes B; Vetter J; Weaver DS, *JCAT* 1987; 11: 302
- bone metastases in pheochromocytoma: comparative studies of efficacy of imaging, Lynn MD; Grossman EM; Wahl RL; Shapiro B; Gross MD; Rabbani R, *Radiology* 1986; 160: 701
- bone mineral measurement: automated determination of midvertebral CT section, Kalender WA; Brestovsky H; Felsenberg D, *Radiology* 1988; 168: 219
- computed tomography and plain film appearance of a bony sequestration: significance and differential diagnosis, Helms CA; Jeffrey RB Jr; Wing VW, *Skeletal Radiol* 1987; 16: 117
- computed tomography in the evaluation of partial growth plate arrest in children, Young JWR; Bright RW; Whitley NO, *Skeletal Radiol* 1986; 15: 530
- computed tomography of musculoskeletal tuberculosis, Coppola J; Müller NL; Connell DG, *J Canad Assoc Radiol* 1987; 38: 199
- computed tomography of partial growth plate arrest: initial experience, De Campo JF; Boldt DW, *Skeletal Radiol* 1986; 15: 526
- CT appearance of nidus in osteoid osteoma versus sequestration in osteomyelitis, Mahboubi S, *JCAT* 1986; 10: 457
- CT detection of sacral osteomyelitis associated with pelvic abscesses, Merline DS; Fishman EK; Magid D, *JCAT* 1988; 12: 118
- effect of collagen on bone mineral analysis with CT, Goodsitt MM; Kilcoyne RF; Gutcheck RA; Richardson ML; Rosenthal DI, *Radiology* 1988; 167: 787
- epiphyseal growth plate: evaluation with modified coronal CT, Murray K; Nixon GW, *Radiology* 1988; 166: 263
- evaluation of CT techniques for reducing artifacts in the presence of metallic orthopedic implants, Robertson DD; Weiss PJ; Fishman EK; et al, *JCAT* 1988; 12: 236
- evaluation of distance-weighted SPECT reconstruction for skeletal scintigraphy, Hellman RS; Nowak D; Collier BD; Isitman A; Eisner RL, *Radiology* 1986; 159: 473
- evaluation of ectopic bone by CT, Bressler EL; Marn CS; Gore RM; et al, *AJR* 1987; 148: 931
- fracture nonunion: CT assessment with multiplanar reconstruction, Kuhlman JE; Fishman EK; Magid D; Scott WW Jr; Brooker AF; Siegelman SS, *Radiology* 1988; 167: 483
- Gaucher's disease type 1: assessment of bone involvement by CT and scintigraphy, Hermann G; Goldblatt J; Levy RN; et al, *AJR* 1986; 147: 943
- improved accuracy of single-energy computed tomography bone mineral determination using threshold analysis, Reinus WR; Nadel S, *Invest Radiol* 1987; 22: 484
- influence of vertebral fat content on quantitative CT density, Laval-Jeantet AM; Roger B; Bouysse S; Bergot C; Mazess RB, *Radiology* 1986; 159: 463
- intracranial aneurysmal bone cyst: a rare CT appearance, Clavier E; Thiebot J; Godlewski J; et al, *Neuroradiol* 1988; 30: 269
- in vivo analysis of single, pre- and postprocessing quantitative CT techniques, Reinus WR; Hardy DC, *Invest Radiol* 1988; 23: 42
- perspective: three-dimensional imaging of the musculoskeletal system, Pate D; Resnick D; Andre M; et al, *AJR* 1986; 147: 545
- post-traumatic cyst-like lesions, Malghe J; Mardague B, *Skeletal Radiol* 1987; 16: 403
- precision of measurement of bone density with a special purpose computed tomography scanner, Hosie CJ; Smith DAS, *Br J Radiol* 1986; 59: 345
- progressive diaphyseal dysplasia (Camurati-Engelmann): radiographic follow-up and CT findings, Kalfort JK; Kleinhaus U; Naveh Y, *Radiology* 1987; 164: 777
- quantitative computed tomography in assessment of osteoporosis, Genant HK; Block JE; Steiger P; et al, *Semin Nucl Med* 1987; 17: 316
- quantitative computed tomography scanning for measurement of bone and bone marrow fat content: a comparison of single- and dual-energy techniques using a solid synthetic phantom, Goodsitt MM; Rosenthal DI, *Invest Radiol* 1987; 22: 799
- quantitative CT for determination of bone mineral density: a review, Cann CE, *Radiology* 1988; 166: 509
- three-dimensional imaging and display of musculoskeletal anatomy, Fishman EK; Magid D; Ney DR; et al, *JCAT* 1988; 12: 465
- three-dimensional quantitative CT of the proximal femur: relationship to vertebral trabecular bone density in postmenopausal women, Bhasin S; Sartoris DJ; Fellingham L; Zlatkin MB; Andre M; Resnick D, *Radiology* 1988; 167: 145
- trabecular bone density in the proximal femur: quantitative CT assessment. work in progress, Sartoris DJ; Andre M; Resnick CS; Resnick D, *Radiology* 1986; 160: 707
- two postprocessing CT techniques for determining the composition of trabecular bone, Goodsitt MM; Rosenthal DI; Reinus WR; et al, *Invest Radiol* 1987; 22: 209
- use of computed tomography to quantitate bone formation after distraction epiphysiolysis in the rabbit, Van Roermund PM; Ter Haar Romeny BM; Schoonderwoert GJ; et al, *Skeletal Radiol* 1987; 16: 52
- Bones, cysts**
- aneurysmal bone cyst arising in fibrous dysplasia during pregnancy, Mintz MC; Dalinka MK; Schmidt R, *Radiology* 1987; 165: 549
- aneurysmal bone cyst of the frontal bone—case report, Saha MM; Kapoor R, *Australas Radiol* 1986; 30: 8
- aneurysmal bone cyst presenting as a pelvic mass on sonographic examination, Mukono DH; Lee TG; Watanabe AS; et al, *J Ultrasound Med* 1986; 5: 215
- aneurysmal bone cysts: MR imaging at 1.5 T, Beltran J; Simon DC; Levy M; Herman LJ; Weiss LD; Mueller CF, *Radiology* 1986; 158: 689
- asymptomatic left apical mass in an elderly man, Winer-Muram H; Gavanti ML, *Invest Radiol* 1987; 22: 982
- atypical simple bone cysts of the jaws. II: a possible association with benign fibro-osseous (cemental) lesions of the jaws, Horner K; Forman GH, *Clin Radiol* 1988; 39: 59
- atypical simple bone cysts of the jaws. I: recurrent lesions, Horner K; Forman GH; Smith NJD, *Clin Radiol* 1988; 39: 53
- case report 378, Schultz E; Greenspan A, *Skeletal Radiol* 1986; 15: 405
- case report 433, Daffner RH; Linetsky L; Zakbar JH, *Skeletal Radiol* 1987; 16: 428
- case report 437, Ruggieri P; Biagini R; Picci P, *Skeletal Radiol* 1987; 16: 493
- development of post-traumatic cyst-like lesions in bone, Phillips CD; Keats TE, *Skeletal Radiol* 1986; 15: 631
- epiphyseal involvement in unicameral bone cysts, Capanna R; Van Horn JR; Ruggieri P; et al, *Skeletal Radiol* 1986; 15: 428
- femoral unicameral bone cyst in a medieval child: radiological and pathological study, Lagier R; Kramar C; Baud CA, *Pediatr Radiol* 1987; 17: 498
- immunocytochemical markers (endothelial and histiocytic) and ultrastructure of primary aneurysmal bone cysts, (ab), Alles JU; Schultz A, *Radiology* 1986; 161: 860
- intracranial aneurysmal bone cyst: a rare CT appearance, Clavier E; Thiebot J; Godlewski J; et al, *Neuroradiol* 1988; 30: 269
- occipital aneurysmal bone cyst: CT features, Braun J; Guilburd JN; Borovich B; et al, *JCAT* 1987; 11: 880
- post-traumatic cyst-like lesions, Malghe J; Mardague B, *Skeletal Radiol* 1987; 16: 403
- regression of aneurysmal bone cyst following open biopsy, Scott I; Connell DG; Duncan CP, *J Canad Assoc Radiol* 1986; 37: 198
- Bones, diseases**
- adult-onset Still's disease: clinical course and outcome, (ab), Cush JJ; Medsger TA Jr; Christy WC; et al, *Radiology* 1987; 164: 886
- amyloidosis and plasma cell dyscrasias of the musculoskeletal system, Subbarao K; Jacobson HG, *Semin Roentgenol* 1986; 21: 139
- bone imaging appearance of Pelligrini Stieda syndrome, Mishkin J; Makler PT Jr; Velchik MG, *Clin Nucl Med* 1986; 11: 291
- bone reinforcement lines in chronic adult osteopenia: hypothesis, Kursunoglu S; Pate D; Resnick D; Haghighi P; Tyson R; Pitt M, *Radiology* 1986; 158: 409
- bone scintigraphy and radiography in the early recognition of diabetic osteopathy, Tawn DJ; O'Hare JP; O'Brien IA; et al, *Br J Radiol* 1988; 61: 273
- bone scintigraphy in a patient with cerebrocostomandibular syndrome, Feldman N; Heyman S, *Clin Nucl Med* 1987; 12: 68
- brucellosis: appearance on skeletal imaging, Bahar RH; Al-Suhaili AR; Mousa AM; et al, *Clin Nucl Med* 1988; 13: 102
- case report 387, Tabas JH; Daffner RH; Hartsock RJ; et al, *Skeletal Radiol* 1986; 15: 499
- cystic fibrosis in childhood: pulmonary, paranasal sinus, and skeletal manifestations, Amodio JB; Berdon WE; Abramson SJ; et al, *Semin Roentgenol* 1987; 22: 125
- enteropathic arthropathies, Björkengren AG; Resnick D; Sartoris DJ, *Radiol Clin North Am* 1987; 25: 189
- genetic bone disease: radiologic sight and insight, Giedion A, *AJR* 1988; 151: 651
- massive acroosteolysis in adult T-cell leukemia/lymphoma, Austin CB; Young JWR; Park HJ; Needleman BW; Handwerker BS; Rosenbaum RC, *Radiology* 1987; 164: 787
- MR imaging of medullary bone, Ehman RL, *Radiology* 1988; 167: 867
- painful sickle cell crisis: bone marrow patterns observed with MR imaging, Rao VM; Fishman M; Mitchell DG; Steiner RM; Ballas SK; Axel L; Dalinka MK; Gefter WB; Kressel HY, *Radiology* 1986; 161: 211
- pinomoth caterpillar disease, Lawson JP; Liu Y-m, *Skeletal Radiol* 1986; 15: 422
- radiological assessment of aluminum-related bone disease, Garrett P; McWade M; O'Callaghan J, *Clin Radiol* 1986; 37: 63
- radiological rickets in extremely low birthweight infants, Lyon AJ; McIntosh N; Wheeler K; et al, *Pediatr Radiol* 1987; 17: 56

- reactive endosteal bone formation, Aoki J; Yamamoto I; Hino M; et al, *Skeletal Radiol* 1987; 16: 545
- role of arthrography in the management of dysplasia epiphysealis hemimelica, Ho AMW; Blane CE; Kling TF Jr, *Skeletal Radiol* 1986; 15: 224
- Bones, dysostoses**
- See also Bones, osteochondrodysplasias
- cheirolumbar dysostosis: a mono-osseous form (monovertebral and monophalangeal), Wackenheim A; Kehr P, *Neuroradiol* 1987; 29: 589
- radiographic findings in a canine model of mucopolysaccharidosis I: changes associated with bone marrow transplantation, Shull RM; Walker MA, *Invest Radiol* 1988; 23: 124
- sonography of Nager acrofacial dysostosis syndrome in utero, Benson B; Pober BR; Hirsh MP; et al, *J Ultrasound Med* 1988; 7: 163
- Bones, dysplasia**
- See Bones, dysostoses; Bones, osteochondrodysplasias
- Bones, effects of drugs on**
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Schulz EE; Engstrom H; Sauser DD; Baylink DJ, *Radiology* 1986; 159: 457
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Bohrer SP, *Radiology* 1986; 161: 277
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation: reply, Schulz EE, *Radiology* 1986; 161: 277
- Bones, effects of irradiation on**
- bone healing following irradiation during tourniquet ischaemia, Kaleb P; Jacobsson M; Albrektsson T; et al, *Acta Oncol* 1987; 26: 63
- case report 391, Datz FL; Manaster BJ, *Skeletal Radiol* 1986; 15: 566
- provoked repetitive healing of mature bone tissue following irradiation: quantitative investigation, Jacobsson M; Kaleb P; Albrektsson T; et al, *Acta Oncol* 1986; 25: 57
- quantification of recalcification of irradiated vertebral body osteolyses by dual-energy computed tomography, Crone-Munzbrock W; Spielmann RP, *Eur J Radiol* 1987; 7: 1
- radiation induced fractures of sacrum: CT diagnosis, Rafii M; Firooznia H; Golimbu C; et al, *JCAT* 1988; 12: 231
- Bones, epiphyses**
- bilaterality in slipped upper femoral epiphysis, (ab), Hägglund G; Hansson LI; Ordeberg G; et al, *Radiology* 1988; 169: 293
- distal femoral epiphysis: normal standards for thickness and application to bone dysplasias, Schlesinger AE; Poznanski AK; Pudlowski RM; Millar EA, *Radiology* 1986; 159: 515
- epiphyseal growth plate: evaluation with modified coronal CT, Murray K; Nixon GW, *Radiology* 1988; 166: 263
- flattening of the distal femoral epiphyses in the trichorhinophalangeal syndrome, Schlesinger AE; Poznanski AK, *Pediatr Radiol* 1986; 16: 498
- genetic bone disease: radiologic sight and insight, Giedion A, *AJR* 1988; 151: 651
- magnetic resonance imaging appearance at 1.5 Tesla of cartilaginous tumors involving the epiphysis, Fobben ES; Dalinka MK; Schiebler ML; et al, *Skeletal Radiol* 1987; 16: 647
- metaphyseal dyschondroplasia with cone-shaped epiphyses, Hoeffel JC; Didier F; Chantreau D; et al, *Br J Radiol* 1987; 60: 707
- premature epiphyseal fusion and extramedullary hematopoiesis in thalassemia, Colavita N; Orzi C; Danza SM; et al, *Skeletal Radiol* 1987; 16: 533
- role of arthrography in the management of dysplasia epiphysealis hemimelica, Ho AMW; Blane CE; Kling TF Jr, *Skeletal Radiol* 1986; 15: 224
- use of computed tomography to quantitate bone formation after distraction epiphyseolysis in the rabbit, Van Roermund PM; Ter Haar Romeny BM; Schoonderwoert GJ; et al, *Skeletal Radiol* 1987; 16: 52
- Bones, fibroma**
- case report 380, Schultz E; Hermann G; Irwin GAL; et al, *Skeletal Radiol* 1986; 15: 560
- case report 481, Hillmann JS; Mesgarzadeh M; Tang C-K; et al, *Skeletal Radiol* 1988; 17: 356
- elastofibroma: chest wall pseudotumor, Berthoty DP; Shulman HS; Miller HAB, *Radiology* 1986; 160: 341
- multiple skeletal fibroxanthomas: radiologic-pathologic correlation of 72 cases, Moser RP Jr; Sweet DE; Haseman DB; et al, *Skeletal Radiol* 1987; 16: 353
- synchronous multicentric desmoid tumors (aggressive fibromatosis) of the extremities, Sundaram M; Duffrin H; McGuire MH; et al, *Skeletal Radiol* 1988; 17: 16
- Bones, fibrous dysplasia**
- aneurysmal bone cyst arising in fibrous dysplasia during pregnancy, Mintz MC; Dalinka MK; Schmidt R, *Radiology* 1987; 165: 549
- case report 455, Hu LB, *Skeletal Radiol* 1987; 16: 679
- case report 490, Buckwalter JA; Bonfiglio MM; El-Khoury G; et al, *Skeletal Radiol* 1988; 17: 361
- computed tomographic appearances of cherubism, Bianchi SD; Boccardi A; Mela F; et al, *Skeletal Radiol* 1987; 16: 6
- expansile bone lesions of the vertebra, Kumar R; Guinto FC Jr; Madewell JE; David R; Shirkhoda A, *Radiographics* 1988; 8: 749
- fibrodysplasia ossificans progressiva: CT appearance, Reining JW; Hill SC; Fang M; Marini J; Zasloff MA, *Radiology* 1986; 159: 153
- hip dysplasia associated with Charcot-Marie-Tooth disease in the older child and adolescent, (ab), Kumar SJ; Marks HG; Bowen JR; et al, *Radiology* 1986; 158: 575
- osteosarcoma in fibrous dysplasia, Taconis WK, *Skeletal Radiol* 1988; 17: 163
- positive gallium-67 citrate uptake in a patient with polyostotic fibrous dysplasia, Creagh MF; Numan TO, *Clin Nucl Med* 1988; 13: 241
- scintigraphic evaluation of polyostotic fibrous dysplasia, Johns WD; Gupta SM; Kayani N, *Clin Nucl Med* 1987; 12: 627
- scintigraphic manifestation of fibrous dysplasia, Machida K; Makita K; Nishikawa J; et al, *Clin Nucl Med* 1986; 11: 426
- Technetium-99m MDP demonstration of heterotopic ossification in fibrodysplasia ossificans progressiva, Fang MA; Reining JW; Hill SC; et al, *Clin Nucl Med* 1986; 11: 8
- Bones, fractures**
- See Fractures
- Bones, grafts**
- arteriography in evaluating vascularized bone graft in the hip joint, Kaj R; Kauko S; Timo T; et al, *Australas Radiol* 1988; 32: 251
- bone imaging in the assessment of *en bloc* osteotomies: autotransplantation, Lecklitner ML; Beasley JJ; Finn MC, *Clin Nucl Med* 1988; 13: 186
- coralline hydroxyapatite bone graft substitutes in a canine metaphyseal defect model: radiographic-biomechanical correlation, Sartoris DJ; Holmes RE; Tencer AF; et al, *Skeletal Radiol* 1986; 15: 635
- coralline hydroxyapatite bone graft substitutes in a canine diaphyseal defect model: radiographic features of failed and successful union, Sartoris DJ; Holmes RE; Bucholz RW; et al, *Skeletal Radiol* 1986; 15: 642
- coralline hydroxyapatite bone-graft substitutes in a canine metaphyseal defect model: radiographic-histometric correlation, Sartoris DJ; Holmes RE; Bucholz RW; et al, *Invest Radiol* 1986; 21: 851
- coralline hydroxyapatite bone-graft substitutes in a canine diaphyseal defect model: radiographic-histometric correlation, Sartoris DJ; Holmes RE; Bucholz RW; et al, *Invest Radiol* 1987; 22: 590
- coralline hydroxyapatite bone graft substitutes: preliminary report of radiographic evaluation, Sartoris DJ; Gershuni DH; Akeson WH; Holmes RE; Resnick D, *Radiology* 1986; 159: 133
- evaluation of bone graft viability, Moskowitz GW; Lukash F, *Semin Nucl Med* 1988; 18: 246
- extrusion of bone graft after lumbar fusion: CT appearance, Coughlan JD, *JCAT* 1986; 10: 399
- fate of fat transplants in operations for partial closure of the growth plate: clinical examples and an experimental study, (ab), Langenskiöld A; Videman T; Nevalainen T, *Radiology* 1986; 160: 858
- giant cell tumor of bone: radiographic changes following local excision and allograft replacement, Kattapuram SV; Phillips WC; Mankin HJ, *Radiology* 1986; 161: 493
- radiographic evaluation of joints resurfaced with osteochondral shell allografts, Kussick C; Hayward I; Sartoris DJ; et al, *AJR* 1987; 149: 743
- Bones, growth and development**
- assessment of bone age: comparison of the Greulich and Pyle, and the Tanner and Whitehouse methods, Milner GR; Levick RK; Kay R, *Clin Radiol* 1986; 37: 119
- bone age estimation: a comparison of methods, Cole AJL; Webb L; Cole TJ, *Br J Radiol* 1988; 61: 683
- bone reinforcement lines in chronic adult osteopenia: hypothesis, Kursunoglu S; Pate D; Resnick D; Haghighi P; Tyson R; Pitt M, *Radiology* 1986; 158: 409
- computed tomography in the evaluation of partial growth plate arrest in children, Young JWR; Bright RW; Whitley NO, *Skeletal Radiol* 1986; 15: 530
- computed tomography of partial growth plate arrest: initial experience, De Campo JF; Boldt DW, *Skeletal Radiol* 1986; 15: 526
- disturbances of bone growth and development, Ledesma-Medina J; Newman B; Oh KS, *Radiol Clin North Am* 1988; 26: 441
- epiphyseal growth plate: evaluation with modified coronal CT, Murray K; Nixon GW, *Radiology* 1988; 166: 263
- growth disturbances in the hands following thermal injuries in children. 1. flame burns, Mooney WR; Reed MH, *J Canad Assoc Radiol* 1988; 39: 91
- growth disturbances in the hands following thermal injuries in children. 2. frostbite, Reed MH, *J Canad Assoc Radiol* 1988; 39: 95
- normal and abnormal growth plate, Kumar R; Madewell JE; Swischuk LE, *Radiol Clin North Am* 1987; 25: 1133
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Schulz EE; Engstrom H; Sauser DD; Baylink DJ, *Radiology* 1986; 159: 457
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Bohrer SP, *Radiology* 1986; 161: 277
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation: reply, Schulz EE, *Radiology* 1986; 161: 277
- radiology and postnatal skeletal development. XIII. C1-C2 interrelationships, Ogden JA; Murphy MJ; Southwick WO; et al, *Skeletal Radiol* 1986; 15: 433
- vertebral bone density in children: effect of puberty, Gilsanz V; Gibbens DT; Roe TF; Carlson M; Senac MO; Boechat MI; Huang HK; Schulz EE; Libanati CK; Cann CC, *Radiology* 1988; 166: 847
- Bones, hypertrophy**
- hypertrophic osteoarthropathy in a young child with congenital cyanotic heart disease, Katariya S; Prasad PJ; Marwaha RK; et al, *Br J Radiol* 1986; 59: 75
- periostitis in hypertrophic osteoarthropathy: relationship to disease duration, Pineda CJ; Martinez-Lavin M; Goobar JE; et al, *AJR* 1987; 148: 773
- Bones, infarction**
- case report 479, Strecker W; Gailula LA; Kyriakos M, *Skeletal Radiol* 1988; 17: 220
- facial bone infarcts in sickle cell syndromes, Royal JE; Harris VJ; Sansi PK, *Radiology* 1988; 169: 529
- malignant fibrous histiocytoma in bone infarct: association with sickle cell trait and alcohol abuse, (ab), Frierson HF Jr; Fechner RE; Stallings RG; et al, *Radiology* 1987; 164: 591
- painful sickle cell crisis: bone marrow patterns observed with MR imaging, Rao VM; Fishman M; Mitchell DG; Steiner RM; Ballas SK; Axel L; Dalinka MK; Geffer WB; Kressel HY, *Radiology* 1986; 161: 211

Bones, infarction

skull infarction in a patient with malignant fibrous histiocytoma, Nagle CE; Morayati SJ; LeDuc MA, *Clin Nucl Med* 1987; 12: 735

Bones, infection

abnormal bone and gallium scans in a case of multifocal systemic sporotrichosis, Anees A; Ali A; Fordham EW, *Clin Nucl Med* 1986; 11: 663

acute osteomyelitis in children: combined Tc-99m and Ga-67 imaging, Lewin JS; Rosenfield NS; Hoffer PB; Downing D, *Radiology* 1986; 158: 795

adaptive histogram equalization in digital radiography of destructive skeletal lesions, Braunstein EM; Capek P; Buckwalter K; Bland P; Meyer CR, *Radiology* 1988; 166: 883

case report 395, Mesgarzadeh M; Bonakdarpour A; Radecki PD, *Skeletal Radiol* 1986; 15: 584

chronic osteomyelitis: bone and gallium scan patterns associated with active disease, Tumei SS; Aliabadi P; Weissman BN; McNeil BJ, *Radiology* 1986; 158: 685

chronic pyogenic osteomyelitis of the calvarial bones, Mohan V; Gupta SK; Mohanty S, *Australas Radiol* 1987; 31: 389

chronic recurrent multifocal osteomyelitis, Cyrlak D; Pais MJ, *Skeletal Radiol* 1986; 15: 32

chronic recurrent multifocal osteomyelitis, Rosenberg ZS; Shankman S; Klein M; et al, *AJR* 1988; 151: 142

chronic recurrent multifocal osteomyelitis, Brown T; Wilkinson RH, *Radiology* 1988; 166: 493

chronic recurrent multifocal osteomyelitis (case report), Wiener MD; Newbold RG; Merten DF, *AJR* 1986; 147: 87

chronic sclerosing osteomyelitis of the iliac bone. etiological possibilities, Jurik AG; Möller SH; Mosekilde L, *Skeletal Radiol* 1988; 17: 114

CT appearance of nidus in osteoid osteoma versus sequestration in osteomyelitis, Mahboubi S, *JCAT* 1986; 10: 457

CT detection of sacral osteomyelitis associated with pelvic abscesses, Merline DS; Fishman EK; Magid D, *JCAT* 1988; 12: 118

diagnosis of osteomyelitis by MR imaging, Unger E; Moldofsky P; Gatenby R; et al, *AJR* 1988; 150: 605

disease activity in osteomyelitis: role of radiography, Tumei SS; Aliabadi P; Weissman BN; McNeil BJ, *Radiology* 1987; 165: 781

dorsal defect of the patella and infection, Alexander JE; Seibert JJ; Aronson J, *Pediatr Radiol* 1987; 17: 325

experimental infections of the musculoskeletal system: evaluation with MR imaging and Tc-99m MDP and Ga-67 scintigraphy, Beltran J; McGhee RB; Shaffer PB; Olsen JO; Bennett WF; Foster TR; McCalla MS; Iskra LA; Blagg RL; Buller DS, *Radiology* 1988; 167: 167

giant cell tumor of bone: radiographic changes following local excision and allograft replacement, Kattapuram SV; Phillips WC; Mankin HJ, *Radiology* 1986; 161: 493

hematogenous pelvic osteomyelitis in children. clinical correlates of newer methods, (ab), Farley T; Conway J; Shulman ST, *Radiology* 1986; 158: 575

hematogenous pyogenic vertebral osteomyelitis: diagnostic value of radionuclide bone imaging, Adapele MH; Powell OM; Isaacs GH; et al, *J Nucl Med* 1986; 27: 1680

imaging spinal osteomyelitis and epidural abscess with short TI inversion recovery (STIR), Bertino RE; Porter BA; Stimac GK; et al, *AJNR* 1988; 9: 563

In-111-labeled white blood cell uptake in noninfected closed fracture in humans: prospective study, Van Nostrand D; Abreu SH; Callaghan JJ; Atkins FB; Stoops HC; Savory CG, *Radiology* 1988; 167: 495

In-111-labeled white blood cell uptake in noninfected closed fracture, Siddiqui AR, *Radiology* 1988; 169: 579

In-111-labeled white blood cell uptake in noninfected closed fracture: reply, Van Nostrand D, *Radiology* 1988; 169: 580

indium-111 chloride imaging in chronic osteomyelitis, (ab), Sayle BA; Fawcett HD; Wilkey DJ; et al, *Radiology* 1986; 159: 824

indium-111 chloride scintigraphy in adult osteomyelitis, Iles SE; Ehrlich LE; Saliken JC; et al, *J Nucl Med* 1987; 28: 1540

indium-111-labeled white blood cells in the detection of osteomyelitis complicated by a pre-existing condition, McCarthy K; Veitchik MG; Alavi A; et al, *J Nucl Med* 1988; 29: 1015

infection in diabetic osteoarthropathy: use of indium-labeled leukocytes for diagnosis, Maurer AH; Millmond SH; Knight LC; Mesgarzadeh M; Siegel JA; Shuman CR; Adler LP; Greene GS; Malmud LS, *Radiology* 1986; 161: 221

infections of the musculoskeletal system: high-field-strength MR imaging, Beltran J; Noto AM; McGhee RB; Freedy RM; McCalla MS, *Radiology* 1987; 164: 449

magnetic resonance imaging of musculoskeletal infections, Modic MT; Pflanze W; Feiglin DH; et al, *Radiol Clin North Am* 1986; 24: 247

magnification radiography in osteomyelitis, Lee SM; Lee RGL; Wilinsky J; et al, *Skeletal Radiol* 1986; 15: 625

"missing" femoral condyle: unusual sequela to neonatal osteomyelitis and septic arthritis, Singston RD; Berdon WE; Feldman F; Denton JR; Abramson S; Baker DH, *Radiology* 1986; 161: 359

MR imaging of chronic osteomyelitis, Quinn SF; Murray W; Clark RA; et al, *JCAT* 1988; 12: 113

musculoskeletal infection of the extremities: evaluation with MR imaging, Tang JSH; Gold RH; Bassett LW; Seeger LL, *Radiology* 1988; 166: 205

musculoskeletal infection of the extremities: evaluation with MR imaging, Scott JA; Palmer EL, *Radiology* 1988; 168: 284

musculoskeletal infection of the extremities: evaluation with MR imaging: reply, Tang JSH; Gold RH; Bassett LW; Seeger LL, *Radiology* 1988; 168: 284

nuclear imaging in coccidioid osteomyelitis, Moreno AJ; Weisman IM; Rodriguez AA; et al, *Clin Nucl Med* 1987; 12: 604

osteosclerotic brucellosis: results of bone scintigraphy in 140 patients, Madkour MM; Sharif HS; Abed MY; et al, *AJR* 1988; 150: 1101

osteomyelitis, acute and chronic, David R; Barron BJ; Madewell JE, *Radiol Clin North Am* 1987; 25: 1171

osteomyelitis and septic arthritis of the hand following human bites, (ab), Resnick D; Pineda CJ; Weissman MH; et al, *Radiology* 1986; 159: 572

osteomyelitis and soft-tissue infection: differential diagnosis with 24 hour/4 hour ratio of Tc-99m MDP uptake, Israel O; Gips S; Jerushalmi J; Frenkel A; Front D, *Radiology* 1987; 163: 725

osteomyelitis complicating fracture: pitfalls of ¹¹¹In leukocyte scintigraphy, Kim EE; Piura GA; Lowry PA; et al, *AJR* 1987; 148: 927

osteomyelitis deriving from BCG-vaccination, Arias FG; Rodriguez M; Hernandez JG; et al, *Pediatr Radiol* 1987; 17: 166

osteomyelitis: detection with US: work in progress, Abiri MM; Kirpekar M; Ablow RC, *Radiology* 1988; 169: 795

osteomyelitis in the feet of diabetic patients: long-term results, prognostic factors, and the role of antimicrobial and surgical therapy, (ab), Bamberger DM; Daus GP; Gerding DM, *Radiology* 1988; 167: 295

parietal osteomyelitis and epidural abscess: delayed complication of fetal monitoring, Listinsky JL; Wood BF; Ekholm DE, *Pediatr Radiol* 1986; 16: 150

periostitis and osteomyelitis in chronic drug addicts, Taylor CR; Lawson JP, *Skeletal Radiol* 1986; 15: 209

radiographic appearance of frontal osteomyelitis in two patients with extradural abscess, Belli AM; Dow CJ; Monro P, *Br J Radiol* 1987; 60: 1026

ring sequestrum: radiographic characteristics of skeletal fixation pin-tract osteomyelitis, Nguyen VD; London J; Cone RO III, *Radiology* 1986; 158: 129

sacroiliitis as a sole manifestation of brucella melitensis infection in a child, Miron D; Garty I; Tal I; et al, *Clin Nucl Med* 1987; 12: 466

scintigraphic and radiographic appearance of the ischiopubic synchondroses in normal children and in osteomyelitis, Kloiber R; Udjus K; McIntyre W; et al, *Pediatr Radiol* 1988; 18: 57

scintigraphic findings in chronic actinomycosis osteomyelitis and associated soft tissue infection, Grund FM; Ewing SL; Shafer RB, *Clin Nucl Med* 1986; 11: 23

serendipitous diagnosis of childhood xanthogranulomatous pyelonephritis in a child with osteomyelitis, Macpherson RI; Leithiser RE Jr, *Pediatr Radiol* 1987; 17: 159

value of gallium-67 SPECT in a patient with "malignant" otitis externa, Behajti K; Boyd CM; Balachandran S; et al, *Clin Nucl Med* 1987; 12: 229

vertebral osteomyelitis: value of percutaneous biopsy, 30 cases, Cotty P; Fouquet B; Pleskof L; et al, *J Neuroradiol* 1988; 15: 13

whole pelvic osteomyelitis: unusual finding in staphylococcal sepsis, Mata JM; Donoso L; Olazabal A; et al, *Pediatr Radiol* 1987; 17: 427

Bones, injuries

basic principles of nuclear medicine techniques for detection and evaluation of trauma and sports medicine injuries, Matin P, *Semin Nucl Med* 1988; 18: 90

bone imaging showing shin splints and stress fractures, Walz D; Craig BM; McGinnis KD, *Clin Nucl Med* 1987; 12: 822

bone scanning in the adductor insertion avulsion syndrome ("high splints"), Charles ND; Siddhivarn N; Schneck CD, *J Nucl Med* 1987; 28: 1835

bone stress lesions in ballet dancers: scintigraphic assessment, Nussbaum AR; Treves SF; Micheli L, *AJR* 1988; 150: 851

case report 378, Schultz E; Greenspan A, *Skeletal Radiol* 1986; 15: 405

cost-appropriateness of whole body vs limited bone imaging for suspected focal sports injuries, Nagle CE, *Clin Nucl Med* 1986; 11: 469

development of post-traumatic cyst-like lesions in bone, Phillips CD; Keats TE, *Skeletal Radiol* 1986; 15: 631

disease activity in osteomyelitis: role of radiography, Tumei SS; Aliabadi P; Weissman BN; McNeil BJ, *Radiology* 1987; 165: 781

epiphyseal growth plate: evaluation with modified coronal CT, Murray K; Nixon GW, *Radiology* 1988; 166: 263

interventional radiology in appendicular skeletal trauma, Fisher RG; Ben-Menachem Y, *Radiol Clin North Am* 1987; 25: 1203

juxta-articular erosions in reflex sympathetic dystrophy, Griffiths HJ; Virtama P, *Acta Radiol* 1988; 29: 183

magnetic resonance imaging of musculoskeletal trauma, Ehman RL; Berquist TH, *Radiol Clin North Am* 1986; 24: 291

MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, *Radiology* 1988; 169: 281

MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 169: 282

MR imaging of medullary bone, Ehman RL, *Radiology* 1988; 167: 867

MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 166: 313

occult intraosseous fracture: detection with MR imaging, Yao L; Lee JK, *Radiology* 1988; 167: 749

post-traumatic cyst-like lesions, Malghem J; Maldague B, *Skeletal Radiol* 1987; 16: 403

post-traumatic osteochondroma, Greyson-Fleg RT; Reichmister JP; McCarthy EF; et al, *J Canad Assoc Radiol* 1987; 38: 195

radiographic appearances following surgical correction of the partially fused epiphyseal plate, Alford BA; Oshman DG; Sussman MD, *Skeletal Radiol* 1986; 15: 146

technetium-99m imaging of bone trauma: reduced sensitivity caused by hydrocortisone in rabbits, Scott SM; Manaster BJ; Alazraki N; et al, *AJR* 1987; 148: 1175

Bones, measurement

- bone age estimation: a comparison of methods, Cole AJL; Webb L; Cole TJ, *Br J Radiol* 1988; 61: 683
- bone mass measured by photonabsorptiometry and radiogrammetry in Wistar rats: age and sex variations, Mbuyi-Muamba JM; Dequeker J, *Invest Radiol* 1986; 21: 336
- distal femoral epiphysis: normal standards for thickness and application to bone dysplasias, Schlesinger AE; Poznanski AK; Pudlowski RM; Millar EA, *Radiology* 1986; 159: 515
- evaluation of the Singh index and femoral calcar width as epidemiological methods for measuring bone mass in the femoral neck, Cooper C; Barker DJP; Hall AJ, *Clin Radiol* 1986; 37: 123
- postmenopausal osteoporosis: simple screening method for diagnosis before structural failure, Meema HE; Meema S, *Radiology* 1987; 164: 405
- screening for postmenopausal osteoporosis, Korpi CT, *Radiology* 1988; 167: 873
- screening for postmenopausal osteoporosis: reply, Meema HE; Meema S, *Radiology* 1988; 167: 873
- skeletal measurements using a flying spot digital imaging device, Wilson AJ; Ramsby GR, *AJR* 1987; 149: 339
- trabecular bone mineral density measurement in vivo: use of the ratio of coherent to Compton-scattered photons in the calcaneus, Shukla SS; Leichter I; Karellas A; Craven JD; Greenfield MA, *Radiology* 1986; 158: 695
- usefulness of regional bone measurements in patients with osteoporotic fractures of the spine and distal forearm, Nilas L; Pödenphant J; Riis BJ; et al, *J Nucl Med* 1987; 28: 960

Bones, metaphyses

- fibrous metaphyseal defects—determination of their origin and natural history using a radiomorphological study, Ritschl P; Kärnel F; Hajek P, *Skeletal Radiol* 1988; 17: 8
- metaphyseal dyschondroplasia with cone-shaped epiphyses, Hoeffel JC; Didier F; Chantreau D; et al, *Br J Radiol* 1987; 60: 707
- metaphyseal lesion in abused infants: radiologic-histopathologic study, Kleinman PK; Marks SC; Blackburne B, *AJR* 1986; 146: 895

Bones, mineralization

- accuracy of visually estimated bone mineralization in routine radiographs of the lower extremity, Finsen V; Anda S, *Skeletal Radiol* 1988; 17: 270
- age-, sex-, and menopause-related changes of vertebral and peripheral bone: population study using dual and single photon absorptiometry and radiogrammetry, Geusens P; Dequeker J; Verstraeten A; et al, *J Nucl Med* 1986; 27: 1540
- aluminum toxicity in patients undergoing dialysis: radiographic findings and prediction of bone biopsy results, Kriegshauser JS; Sweet RG; McCarthy JT; Hauser MF, *Radiology* 1987; 164: 399
- barium intravasation: radiographic and CT findings in a nonfatal case, Chan F-L; Tso W-K; Wong L-C; Ngan H, *Radiology* 1987; 163: 311
- bone changes in oophorectomized monkeys: CT findings, Mazess B; Vetter J; Weaver DS, *JCAT* 1987; 11: 302
- bone cortical mass in newborn infants: comparison between standards in the femur and humerus, Odita JC; Okolo AA; Omene JA, *Skeletal Radiol* 1986; 15: 648
- bone mass in patients with rheumatoid arthritis, Steen-Hansen E; Hove B; Andresen J, *Skeletal Radiol* 1987; 16: 556
- bone mass measured by photonabsorptiometry and radiogrammetry in Wistar rats: age and sex variations, Mbuyi-Muamba JM; Dequeker J, *Invest Radiol* 1986; 21: 336
- bone mineral assessment: new dual-energy CT approach, Nickoloff EL; Feldman F; Atherton JV, *Radiology* 1988; 168: 223
- bone mineral changes in primary hyperparathyroidism, Richardson ML; Pozzi-Mucelli RS; Kanter AS; et al, *Skeletal Radiol* 1986; 15: 85
- bone mineral content in children 1 to 6 years of age: detectable sex differences after 4 years of age, (ab), Specker BL; Brazier W; Tsang RC; et al, *Radiology* 1988; 166: 912

- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: comparison of measurement methods, Reinbold W-D; Genant HK; Reiser UJ; Harris ST; Ettinger B, *Radiology* 1986; 160: 469
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women, Mazess RB, *Radiology* 1987; 165: 289
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: reply, Genant HK, *Radiology* 1987; 165: 290
- bone mineral content in normal UK subjects, Compston JE; Evans WD; Crawley EO; et al, *Br J Radiol* 1988; 61: 631
- bone mineral measurement: automated determination of midvertebral CT section, Kalender WA; Brestowak H; Felsenberg D, *Radiology* 1988; 168: 219
- bone mineral measurement with a continuous roentgen ray spectrum and a germanium detector, Jonson R; Roos B; Hansson T, *Acta Radiol* 1986; 27: 105
- bone reinforcement lines in chronic adult osteopenia: hypothesis, Kursunoglu S; Pate D; Resnick D; Haghighi P; Tyson R; Pitt M, *Radiology* 1986; 158: 409
- coming of age of radiologic imaging screening, Hall FM, *Radiology* 1988; 168: 579
- comparison of bone density measurements from different skeletal sites, Seldin DW; Esser PD; Alderson PO, *J Nucl Med* 1988; 29: 168
- comparison of bone mineral density in both hips, Balseiro J; Fahey FH; Ziessman HA; Le TV, *Radiology* 1988; 167: 151
- cross-sectional study of age-related loss of mineral content of phalangeal bone in men and women, Trounberger WT; Birkenhäger JC; Schmitz PIM; et al, *Skeletal Radiol* 1988; 17: 338
- determinants of axial bone loss in rheumatoid arthritis, (ab), Sambrook PN; Eisman JA; Champion GD; et al, *Radiology* 1988; 166: 294
- dual photon absorptiometry: the importance of clinical correlation, Von Moll LK; Shulkin BL, *Clin Nucl Med* 1988; 13: 175
- effect of collagen on bone mineral analysis with CT, Goodsitt MM; Kilcoyne RF; Gutche RA; Richardson ML; Rosenthal DI, *Radiology* 1988; 167: 787
- errors in longitudinal measurements of bone mineral: effect of source strength in single and dual photon absorptiometry, Dunn WL; Kan SH; Wahner HW, *J Nucl Med* 1987; 28: 1751
- evaluation of the Singh index and femoral calcar width as epidemiological methods for measuring bone mass in the femoral neck, Cooper C; Barker DJP; Hall AJ, *Clin Radiol* 1986; 37: 123
- fracture prevalence and bone mineral mass in osteoporosis measured with computed tomography and dual energy photon absorptiometry, Raymakers JA; Hoekstra O; van Putten J; et al, *Skeletal Radiol* 1986; 15: 191
- improved accuracy of single-energy computed tomography bone mineral determination using threshold analysis, Reinus WR; Nadel S, *Invest Radiol* 1987; 22: 484
- influence of vertebral fat content on quantitative CT density, Laval-Jeantet AM; Roger B; Bouysse S; Bergot C; Mazess RB, *Radiology* 1986; 159: 463
- in vivo analysis of single, pre- and postprocessing quantitative CT techniques, Reinus WR; Hardy DC, *Invest Radiol* 1988; 23: 42
- measurement of trabecular bone mineral density in the femur in vitro by using the coherent to Compton scatter ratio, Shukla SS; Krutof B; Koutouratsas L; et al, *Invest Radiol* 1988; 23: 305
- measurements of bone mineral content in the term and preterm infant, (ab), Vyheister NR; Linkhart TA; Hay S; et al, *Radiology* 1988; 166: 912
- methodologies for the measurement of bone density and their precision and accuracy, Goodwin PN, *Semin Nucl Med* 1987; 17: 293
- microdensitometric analysis of bone structures in x-ray images, Trounberger WT; Grashuis JL; Zwambag AW; et al, *Skeletal Radiol* 1987; 16: 190

- mineral content of bone: measurement by energy subtraction digital chest radiography, Friedman SE; Dubovsky EV; Dubovsky J; et al, *AJR* 1987; 149: 1199
- noninvasive bone densitometry: the need for cooperation and respect in research, Sartoris DJ, *Radiology* 1988; 166: 902
- observer variation in the detection of osteopenia, Epstein DM; Dalinka MK; Kaplan FS; et al, *Skeletal Radiol* 1986; 15: 347
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Schulz EE; Engstrom H; Sauer DD; Baylink DJ, *Radiology* 1986; 159: 457
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Bohrer SP, *Radiology* 1986; 161: 277
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation: reply, Schulz EE, *Radiology* 1986; 161: 277
- Paget's disease: a cause of artificially elevated bone mineral density, Balseiro J; Eggl DF; Ziessman HA, *Clin Nucl Med* 1987; 12: 809
- precision error in dual-photon absorptiometry related to source age, Ross PD; Wasnich RD; Vogel JM, *Radiology* 1988; 166: 523
- precision of dual photon absorptiometry measurements, LeBlanc AD; Evans HJ; Marsh C; et al, *J Nucl Med* 1986; 27: 1362
- precision of measurement of bone density with a special purpose computed tomography scanner, Hosie CJ; Smith DAS, *Br J Radiol* 1986; 59: 345
- premenopausal bone mass is related to physical activity, (ab), Aloia JF; Vasvani AN; Yeh JK; et al, *Radiology* 1988; 168: 294
- quantification of recalcification of irradiated vertebral body osteolyses by dual-energy computed tomography, Crone-Munzebrock W; Spielmann RP, *Eur J Radiol* 1987; 7: 1
- quantitative computed tomography in assessment of osteoporosis, Genant HK; Block JE; Steiger P; et al, *Semin Nucl Med* 1987; 17: 316
- quantitative CT applications: comparison of current scanners, Cann CE, *Radiology* 1987; 162: 257
- quantitative CT for determination of bone mineral density: a review, Cann CE, *Radiology* 1988; 166: 509
- radiation dose to small infants from single-photon absorptiometry, Steichen JJ; Keriaes JG; Tsang RC, *Radiology* 1988; 168: 169
- reproducibility of CT bone densitometry: operator versus automated ROI definition, Louis O; Luybaert R; Kalender W; et al, *Eur J Radiol* 1988; 8: 82
- review: radiologic measurement of bone, Hangartner TN, *J Canad Assoc Radiol* 1986; 37: 143
- single- and dual-photon absorptiometry in osteoporosis and osteomalacia, Wahner HW, *Semin Nucl Med* 1987; 17: 305
- symmetry of hip bone mineral density, Shukla SS, *Radiology* 1988; 169: 875
- symmetry of hip bone mineral density: a dual photon absorptiometry approach, Lessig HJ; Meltzer MS; Siegel JA, *Clin Nucl Med* 1987; 12: 811
- technical exhibits: RSNA '87 meeting notes, Gray JE; Barnes GT; Morin RL; Yester MV; Chakraborty DP, *Radiology* 1988; 166: 927
- three-dimensional quantitative CT of the proximal femur: relationship to vertebral trabecular bone density in postmenopausal women, Bhassin S; Sartoris DJ; Fellingham L; Zlatkin MB; Andre M; Resnick D, *Radiology* 1988; 167: 145
- trabecular bone density in the proximal femur: quantitative CT assessment. work in progress, Sartoris DJ; Andre M; Resnick CS; Resnick D, *Radiology* 1986; 160: 707
- trabecular bone density in the proximal femur: quantitative CT assessment. work in progress, Sartoris DJ; Andre M; Resnick CS; Resnick D, *Radiology* 1986; 160: 707
- trabecular bone mineral density measurement in vivo, Lillcrap S; Scott J, *Radiology* 1988; 166: 283

- trabecular bone mineral density measurement in vivo: reply, Shukla SS; Craven JD; Greenfield MA, *Radiology* 1988; 166: 283
 - trabecular bone mineral density measurement in vivo: use of the ratio of coherent to Compton-scattered photons in the calcaneus, Shukla SS; Leichter I; Karellas A; Craven JD; Greenfield MA, *Radiology* 1988; 158: 695
 - trabecular mineral content of the spine in women with hip fracture: CT measurement, Firooznia H; Rafii M; Golimbu C; Schwartz MS; Ort P, *Radiology* 1986; 159: 737
 - usefulness of regional bone measurements in patients with osteoporotic fractures of the spine and distal forearm, Nilas L; Fodenphant J; Riis BJ; et al, *J Nucl Med* 1987; 28: 960
 - validity of dual-photon absorptiometry, Gluer C-C; Steiger P; Genant HK, *Radiology* 1988; 166: 574
 - value of single photon absorptiometry in osteoporosis screening, Bilbrey GL; Weix J; Kaplan GD, *Clin Nucl Med* 1988; 13: 7
 - vertebral bone density in children: effect of puberty, Gilsanz V; Gibbens DT; Roe TF; Carlson M; Senac MO; Boechat MJ; Huang HK; Schulz EE; Libanati CR; Cann CC, *Radiology* 1988; 166: 847
 - vertebral bone mineral analysis: an integrated approach with CT, Kalender WA; Klotz E; Suess C, *Radiology* 1987; 164: 419
 - vertebral mineral status: assessment with single- versus multi-section CT, Lambiase R; Sartoris DJ; Fellingham L; Andre M; Resnick D, *Radiology* 1987; 164: 231
- ## Bones, MR studies
- aneurysmal bone cysts: MR imaging at 1.5 T, Beltran J; Simon DC; Levy M; Herman LJ; Weiss LD; Mueller CF, *Radiology* 1986; 158: 689
 - artifacts, normal variants, and imaging pitfalls of musculoskeletal magnetic resonance imaging, Richardson ML; Helms CA, *Radiol Clin North Am* 1986; 24: 145
 - bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M, *Radiology* 1987; 165: 541
 - diagnosis of osteomyelitis by MR imaging, Unger E; Moldofsky P; Gatenby R; et al, *AJR* 1988; 150: 605
 - early osteonecrosis of the femoral head: detection in high-risk patients with MR imaging, Genez BM; Wilson MR; Houk RW; Weiland FL; Unger HR Jr; Shields NN; Rugh KS, *Radiology* 1988; 168: 521
 - effect of chemical shift misrepresentation on cortical bone thickness on MR imaging, Dick BW; Mitchell DG; Burk DL; et al, *AJR* 1988; 151: 537
 - experimental infections of the musculoskeletal system: evaluation with MR imaging and Tc-99m MDP and Ga-67 scintigraphy, Beltran J; McGhee RB; Shaffr PB; Olsen JO; Bennett WF; Foster TR; McCalla MS; Jakra LA; Blagg RL; Biller RS, *Radiology* 1988; 167: 167
 - Gaucher disease: assessment with MR imaging, Lanir A; Hadar H; Cohen I; Tal Y; Benmair J; Schreiber R; Clouse ME, *Radiology* 1986; 161: 239
 - hyaline cartilage—origin bone and soft-tissue neoplasms: MR appearance and histologic correlation, Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML, *Radiology* 1988; 167: 477
 - infections of the musculoskeletal system: high-field-strength MR imaging, Beltran J; Noto AM; McGhee RB; Freedy RM; McCalla MS, *Radiology* 1987; 164: 449
 - Legg-Calve-Perthes disease: detection of cartilaginous and synovial changes with MR imaging, Rush BH; Bramson RT; Ogden JA, *Radiology* 1988; 167: 473
 - magnetic resonance imaging of lesions of synovial origin, Sundaram M; McGuire MH; Fletcher J; et al, *Skeletal Radiol* 1986; 15: 110
 - magnetic resonance imaging of musculoskeletal infections, Modic MT; Pflanz W; Feiglin DH; et al, *Radiol Clin North Am* 1986; 24: 247
 - magnetic resonance imaging of musculoskeletal trauma, Ehman RL; Berquist TH, *Radiol Clin North Am* 1986; 24: 291
 - magnetic resonance imaging of osteonecrosis, Gillespy T III; Genant HK; Helms CA, *Radiol Clin North Am* 1986; 24: 193
 - magnetic resonance imaging of primary tumours and tumour-like lesions of bone, Bohndorf K; Reiser M; Lochner B; et al, *Skeletal Radiol* 1986; 15: 511
 - magnetic resonance imaging of the extremities, Rosenthal DI; Scott JA; Brady TJ; Cardiovasc Intervent Radiol 1986; 8: 377
 - magnetic resonance spectroscopy of the musculoskeletal system, Burt CT; Koutcher J; Roberts JT; et al, *Radiol Clin North Am* 1986; 24: 321
 - MRI in stress fracture, Stafford SA; Rosenthal DI; Gebhardt MC; et al, *AJR* 1986; 147: 553
 - MR imaging of chronic osteomyelitis, Quinn SF; Murray W; Clark RA; et al, *JCAT* 1988; 12: 113
 - MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, *Radiology* 1988; 169: 281
 - MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 169: 282
 - MR imaging of medullary bone, Ehman RL, *Radiology* 1988; 167: 867
 - MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 166: 313
 - MR imaging of the musculoskeletal system: current and future status, Sartoris DJ; Resnick D, *AJR* 1987; 149: 457
 - musculoskeletal infection of the extremities: evaluation with MR imaging, Tang JSH; Gold RH; Bassett LW; Seeger LL, *Radiology* 1988; 166: 205
 - musculoskeletal infection of the extremities: evaluation with MR imaging, Scott JA; Palmer EL, *Radiology* 1988; 168: 284
 - musculoskeletal infection of the extremities: evaluation with MR imaging: reply, Tang JSH; Gold RH; Bassett LW; Seeger LL, *Radiology* 1988; 168: 284
 - musculo-skeletal magnetic resonance imaging using inversion recovery pulse sequences at 0.08 T, Smith FW, *Clin Radiol* 1988; 39: 412
 - nuclear magnetic resonance proton imaging of bone pathology, Atlan H; Sigal R; Hadar H; et al, *J Nucl Med* 1986; 27: 207
 - occult intraosseous fracture: detection with MR imaging, Yao L; Lee JK, *Radiology* 1988; 167: 749
 - optimizing pulse sequences for magnetic resonance imaging of the musculoskeletal system, Richardson ML, *Radiol Clin North Am* 1986; 24: 137
 - osteopetrosis: MR characteristics at 1.5 T, Rao VM; Dalinka MK; Mitchell DG; Spritzer CE; Kaplan F; August CS; Axel L; Kressel HY, *Radiology* 1986; 161: 217
 - painful sickle cell crisis: bone marrow patterns observed with MR imaging, Rao VM; Fishman M; Mitchell DG; Steiner RM; Ballas SK; Axel L; Dalinka MK; Geffer WB; Kressel HY, *Radiology* 1986; 161: 211
 - pediatric musculoskeletal magnetic resonance imaging, Kanal E; Burk DL Jr; Brunberg JA; et al, *Radiol Clin North Am* 1988; 26: 211
 - potential pitfalls of magnetic resonance imaging in the diagnosis of avascular necrosis, Kulkarni MV; Tarr RR; Kim EE; et al, *J Nucl Med* 1987; 28: 1052
 - Proteus syndrome: the magnetic resonance and radiological features, Cremin BJ; Viljoen DL; Wynchank S; et al, *Pediatr Radiol* 1987; 17: 486
 - scintigraphic and magnetic resonance studies in a patient with Gaucher's disease, Zanzi I; Taylor S; Gould E; et al, *Clin Nucl Med* 1988; 13: 491
 - staging of intraosseous extent of osteosarcoma: correlation of preoperative CT and MR imaging with pathologic macroslides, Gillespy T III; Manfrini M; Ruggieri P; Spanier SS; Peterson H; Springfield DS, *Radiology* 1988; 167: 765
 - strategies for musculoskeletal magnetic resonance imaging, Burk DL Jr; Dalinka MK; Schiebler ML; et al, *Radiol Clin North Am* 1988; 26: 653
 - three-dimensional imaging and display of musculoskeletal anatomy, Fishman EK; Magid D; Ney DR; et al, *JCAT* 1988; 12: 465
 - wrist: preliminary report on high-resolution MR imaging, Koenig H; Lucas D; Meisner R, *Radiology* 1986; 160: 463
- ## Bones, necrosis
- acute chondrolysis complicating Legg-Calve-Perthes disease, Dominguez R; Oh KS; Young LW; et al, *Skeletal Radiol* 1987; 16: 377
 - avascular bone necrosis in an untreated case of chronic myelogenous leukemia, Salimi Z; Vas W; Sundaram M, *Skeletal Radiol* 1988; 17: 353
 - bone erosion in synovial chondromatosis, Norman A; Steiner GC, *Radiology* 1986; 161: 749
 - bone imaging and skeletal radiology in dysbaric osteonecrosis, Williams ES; Khreissat S; Ell PJ; et al, *Clin Radiol* 1987; 38: 589
 - case report 361, Milgram JW; Jasty M, *Skeletal Radiol* 1986; 15: 258
 - early diagnosis of ischemic necrosis of bone, (ab), Zizic TM; Marcoux C; Hungerford DS; et al, *Radiology* 1987; 163: 591
 - early osteonecrosis of the femoral head: detection in high-risk patients with MR imaging, Genez BM; Wilson MR; Houk RW; Weiland FL; Unger HR Jr; Shields NN; Rugh KS, *Radiology* 1988; 168: 521
 - idiopathic osteonecrosis of the first metatarsal sesamoid, Ogata K; Sugioaka Y; Urano Y; et al, *Skeletal Radiol* 1986; 15: 141
 - Legg-Calve-Perthes disease: detection of cartilaginous and synovial changes with MR imaging, Rush BH; Bramson RT; Ogden JA, *Radiology* 1988; 167: 473
 - Legg-Calve-Perthes disease: detection of cartilaginous and synovial changes with MR imaging, Rush BH; Bramson RT; Ogden JA, *Radiology* 1988; 167: 473
 - magnetic resonance imaging in the evaluation of suspected osteonecrosis of the knee, Pollack MS; Dalinka MK; Kressel HY; et al, *Skeletal Radiol* 1987; 16: 121
 - magnetic resonance imaging of osteonecrosis, Gillespy T III; Genant HK; Helms CA, *Radiol Clin North Am* 1986; 24: 193
 - MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, *Radiology* 1988; 169: 281
 - MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 169: 282
 - MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 166: 313
 - osteonecrosis in patients with malignant lymphoma: a review of 31 cases, (ab), Rosslegh MA; Smith J; Straus DJ; et al, *Radiology* 1987; 163: 293
 - pancreatic acinar cell carcinoma with subcutaneous and intraosseous fat necrosis, Radin DR; Colletti PM; Forrester DM; Tang WW, *Radiology* 1986; 158: 67
 - potential pitfalls of magnetic resonance imaging in the diagnosis of avascular necrosis, Kulkarni MV; Tarr RR; Kim EE; et al, *J Nucl Med* 1987; 28: 1052
 - spontaneous osteonecrosis of the knee: scintigraphic findings, Traflet R; Desai A; Park C, *Clin Nucl Med* 1987; 12: 525
 - spontaneous osteonecrosis of the tarsal navicular in adults: imaging findings, Haller J; Sartoris DJ; Resnick D; et al, *AJR* 1988; 151: 355
 - usefulness of SPECT in the early detection of avascular necrosis of the knees, Gupta SM; Foster CR; Kayani N, *Clin Nucl Med* 1987; 12: 99
- ## Bones, neoplasms
- See Bone neoplasms
- ## Bones, osteochondrodysplasias
- acquired bone dysplasia secondary to catheter-related complications in the neonate, Seibert JJ; McCarthy RE; Alexander JE; et al, *Pediatr Radiol* 1986; 16: 43
 - acro-mesomelic dysplasia—a new type: report of two siblings, Brahimi L; Bacha L; Kozlowski K; et al, *Pediatr Radiol* 1988; 18: 67

- antenatal diagnosis of frontal cephalocele in a fetus with atelosteogenesis, Chervenak FA; Isaacson G; Rosenberg JC; et al, *J Ultrasound Med* 1986; 5: 111
- antenatal ultrasound diagnosis of the femur-fibula-ulna syndrome, Hirose K; Koyanagi T; Hara K; et al, *JCU* 1988; 16: 199
- atelosteogenesis: evidence for heterogeneity, Silience DO; Kozlowski K; Rogers JG; et al, *Pediatr Radiol* 1987; 17: 112
- bilateral glenoid dysplasia: report of 8 cases, (ab), Kozlowski K; Colavita N; Morris L; et al, *Radiology* 1986; 158: 859
- bone scan appearance of osteogenesis imperfecta in an adult, Kramer EL; Rafii M; Fazzini E; et al, *Clin Nucl Med* 1986; 11: 331
- case of autosomal recessive form of cranio-metaphyseal dysplasia with unusual features and with bone fragility, Ventruto V; Ametrano O; D'Avanzo G; et al, *Australas Radiol* 1987; 31: 79
- case report 386, Cremin BJ; Ross JL, *Skeletal Radiol* 1986; 15: 495
- case report 416, Lerman-Sagie T; Grunebaum M; Mimouni M, *Skeletal Radiol* 1987; 16: 175
- case report 431, Hall-Craggs MA; Chapman M, *Skeletal Radiol* 1987; 16: 422
- case report 486, Brown DD; Childress MH, *Skeletal Radiol* 1988; 17: 302
- cervical kyphosis in diastrophic dwarfism: CT and MR findings, Krecak J; Starshak RJ, *Pediatr Radiol* 1987; 17: 321
- chondrodysplasia punctata after warfarin: case report with 18-month follow-up, Tamburrini O; Bartolomeo-De Iuri A; Di Guglielmo GL, *Pediatr Radiol* 1987; 17: 323
- chondrodysplasia punctata: report of two cases, Andersen PE Jr; Justesen P, *Skeletal Radiol* 1987; 16: 223
- cloverleaf skull and bone dysplasias (report of four cases), Kozlowski K; Jequier S; Silience D; et al, *Australas Radiol* 1987; 31: 309
- Coffin-Siris syndrome in two siblings, Franceschini P; Silengo MC; Bianco R; et al, *Pediatr Radiol* 1986; 16: 330
- cranio-diaphyseal dysplasia (report of a case), Levy MH; Kozlowski K, *Australas Radiol* 1987; 31: 431
- cranio-metaphyseal dysplasia (report of 3 cases—two infants and one adult), Colavita N; Kozlowski K; Sprague P, *Australas Radiol* 1988; 32: 257
- detection of melorheostosis on bone scan, Drane WE, *Clin Nucl Med* 1987; 12: 548
- distal femoral epiphysis: normal standards for thickness and application to bone dysplasias, Schlesinger AE; Poznanski AK; Pudlowski RM; Millar EA, *Radiology* 1986; 159: 515
- distinctive skeletal dysplasia in Cockayne syndrome, Silengo MC; Franceschini P; Bianco R; et al, *Pediatr Radiol* 1986; 16: 264
- dysplasia epiphysealis hemimelica of the ulna, Hoeffel JC; Capron F; Jung JF; et al, *Br J Radiol* 1987; 60: 288
- dysegmental dysplasia in siblings: prenatal ultrasonic diagnosis, Anderson PE Jr; Hauge M; Bang J, *Skeletal Radiol* 1988; 17: 29
- early prenatal diagnosis of asphyxiating thoracic dysplasia (Jeune's syndrome): value of fetal thoracic measurement, Skiptunas SM; Weiner S, *J Ultrasound Med* 1987; 6: 41
- foot deformity in hereditary onychosteodysplasia, Fiedler BS; De Smet AA; Kling TF Jr; et al, *J Canad Assoc Radiol* 1987; 38: 305
- heterogeneity of autosomal dominant osteopetrosis, Andersen PE Jr; Bollerslev J, *Radiology* 1987; 164: 223
- intrauterine dwarfism, peculiar facies and thin bones with multiple fractures—a new syndrome, Kozlowski K; Kan A, *Pediatr Radiol* 1988; 18: 394
- in utero analysis of heterozygous achondroplasia: variable time of onset as detected by femur length measurements, Kurtz AB; Filly RA; Wapner RJ; et al, *J Ultrasound Med* 1986; 5: 137
- lesions en beignet de la voûte crânienne: une dysplasie osseuse héréditaire, Aubé L; Vallières M; Lemay M, *J Canad Assoc Radiol* 1988; 39: 204
- median cleft face syndrome: MR and CT data from 11 children, Naidich TP; Osborn RE; Bauer B; et al, *JCAT* 1988; 12: 57
- metaphyseal chondrodysplasia, Schmid type clinical and radiographic delineation with a review of the literature, Lachman RS; Rimoin DL; Spranger J, *Pediatr Radiol* 1988; 18: 93
- metaphyseal dyschondroplasia with cone-shaped epiphyses, Hoeffel JC; Didier F; Chantreau D; et al, *Br J Radiol* 1987; 60: 707
- Murk Jansen's metaphyseal chondrodysplasia with long-term follow-up, Silverthorn KG; Houston CS; Duncan BF, *Pediatr Radiol* 1987; 17: 119
- new type of achondrogenesis, Kozlowski K; Tsuruta T; Taki N; et al, *Pediatr Radiol* 1986; 16: 430
- new type of spondylo-metaphyseal dysplasia—Algerian type, report of five cases, Kozlowski K; Bacha L; Massen R; et al, *Pediatr Radiol* 1988; 18: 221
- non-union of fractures in children who have osteogenesis imperfecta, (ab), Gamble JG; Rinsky LA; Strudwick J; et al, *Radiology* 1988; 169: 295
- oculo-auriculo-vertebral dysplasia: case report, Orziccolo C; Corcione S; Bighi S; et al, *Pediatr Radiol* 1987; 17: 330
- osteopetrosis: MR characteristics at 1.5 T, Rao VM; Dalinka MK; Mitchell DG; Spritzer CE; Kaplan F; August CS; Axel L; Kressel HY, *Radiology* 1986; 161: 217
- osteopetrosis: some unusual radiological features with a short review, Kolawole TM; Hawass ND; Patel PJ; et al, *Eur J Radiol* 1988; 8: 89
- pediatric patients with achondroplasia: CT evaluation of the craniocervical junction, Wang H; Rosenbaum AE; Reid CS; Zinreich SJ; Pyeritz RE, *Radiology* 1987; 164: 515
- perinatally lethal short rib-polydactyly syndromes I. variability in known syndromes, Silience D; Kozlowski K; Barz J; et al, *Pediatr Radiol* 1987; 17: 474
- practical radiologic approach to skeletal dysplasias in infancy, Dutton RV, *Radiol Clin North Am* 1987; 25: 1211
- prenatal diagnosis of dwarfism by ultrasound screening, (ab), Weldner B-M; Persson P-H; Ivarsson SA, *Radiology* 1986; 160: 288
- progressive diaphyseal dysplasia and a low muscle carnitine, Bye AME; Hodson E; Kewley G; et al, *Pediatr Radiol* 1988; 18: 340
- progressive diaphyseal dysplasia (Camurati-Engelmann): radiographic follow-up and CT findings, Kaffort J; Kleinhaus U; Naveh Y, *Radiology* 1987; 164: 777
- pseudospondylosis with right heart failure due to hypoplastic mandible and chronic upper airway obstruction, Fitzgerald T, *Br J Radiol* 1988; 61: 322
- Pyle's disease—familial metaphyseal dysplasia—case report, Vohra V, *Australas Radiol* 1987; 31: 75
- radiological manifestations of bisphosphonate treatment with APD in a child suffering from osteogenesis imperfecta, Devogelaer JP; Malgouyres J; Maldague B; et al, *Skeletal Radiol* 1987; 16: 360
- radiology and histopathology of the bent limbs in campomelic dysplasia: implications in the aetiology of the disease and review of theories, Pazzaglia UE; Beluffi G, *Pediatr Radiol* 1987; 17: 50
- sonographic diagnosis of lethal osteogenesis imperfecta in the second trimester: case report and review, Merz E; Goldhofer W, *JCU* 1986; 14: 380
- specific skeletal dysplasias in utero: sonographic diagnosis, Pretorius DH; Rumack CM; Manco-Johnson ML; Manchester D; Meier P; Bramble J; Clewell W, *Radiology* 1986; 159: 237
- spondylometaphyseal dysplasia: further heterogeneity, Borochowitz Z; Berant M; Kristal H, *Skeletal Radiol* 1988; 17: 181
- torn acetabulum labrum, (ab), Dorrell JH; Catterall A, *Radiology* 1987; 162: 294
- tricho-rhino-phalangeal syndrome revisited, Parizel PM; Dumon J; Vossen P; et al, *Eur J Radiol* 1987; 7: 154
- tuft erosion in incontinentia pigmenti, Doyle TCA; Nurse DS, *Australas Radiol* 1987; 31: 304
- unusual bone dysplasia featuring severe platyspondyly and vertebral "coronal cleft" in infancy, and changes of metaphyseal chondrodysplasia in childhood, Currarino G, *Pediatr Radiol* 1986; 16: 433
- unusual cone shaped epiphyses in spondyloepiphyseal dysplasia: case report, Ferri G; Vichi G; Pacini M; et al, *Pediatr Radiol* 1987; 17: 223
- Bones, osteoporosis**
See Osteoporosis
- Bones, primary disturbances of growth**
specific skeletal dysplasias in utero: sonographic diagnosis, Pretorius DH; Rumack CM; Manco-Johnson ML; Manchester D; Meier P; Bramble J; Clewell W, *Radiology* 1986; 159: 237
- tibial bowing exacerbated by partial premature epiphyseal closure in sex-linked hypophosphatemic rickets, McAlister WH; Kim GS; Whyte MP, *Radiology* 1987; 162: 461
- Bones, primary metabolic abnormalities**
case report 356, Goldman AB; Abrahams TG, *Skeletal Radiol* 1986; 15: 308
- distal phalangeal brachydactyly secondary to healed renal osteodystrophy, Wu AC; Gilula LA, *Skeletal Radiol* 1987; 16: 312
- Gaucher disease: assessment with MR imaging, Lanir A; Hadar H; Cohen I; Tal Y; Benmair J; Schreiber R; Clouse ME, *Radiology* 1986; 161: 239
- hepatic hypertrophic osteodystrophy detected on bone imaging, Spencer RP, *Clin Nucl Med* 1988; 13: 611
- macroepiphyseal dysplasia with symptomatic osteoporosis, wrinkled skin, and aged appearance: presumed autosomal recessive condition, McAlister WH; Coe JD; Whyte MP, *Skeletal Radiol* 1986; 15: 47
- metabolic bone disease in preterm infants, (ab), Brooke OG; Lucas A, *Radiology* 1986; 160: 288
- pathologic fractures in a patient with renal osteodystrophy: failure of early detection on bone scans, Campeau RJ; Bellah RD; Varma DGK, *Clin Nucl Med* 1987; 12: 510
- pseudopseudohypoparathyroidism with spinal cord compression, Van Dop C; Wang H; Mulaikal RM; et al, *Pediatr Radiol* 1988; 18: 429
- radiophosphate disclosure of subperiosteal bone formation in renal osteodystrophy, Rosenthal L; Rush C, *J Nucl Med* 1986; 27: 1572
- recognition of renal osteodystrophy on bone imaging, Eggleston DE; Bartold K; Abghari R, *Clin Nucl Med* 1986; 11: 543
- renal ultrasound in metabolic bone disease, Jequier S; Cramer B; Goodyer P; et al, *Pediatr Radiol* 1986; 16: 135
- unclassified osteochondrodysplasias with extreme platyspondyly (report of two cases), Kozlowski K; Scougall J; Hockey A, *Australas Radiol* 1988; 32: 263
- value of computed tomography in patients with mucopolysaccharidosis, Nelson J; Grebbell FS, *Neuroradiol* 1987; 29: 544
- vertebral erosions in patients undergoing maintenance hemodialysis for chronic renal failure, Sundaram M; Seelig R; Pohl D, *AJR* 1987; 149: 323
- Bones, radiography**
adaptive histogram equalization in digital radiography of destructive skeletal lesions, Braunstein EM; Capek P; Buckwalter K; Bland P; Meyer CR, *Radiology* 1988; 166: 883
- aluminum bone disease in children: radiographic features from diagnosis to resolution, Daves ML, *Radiology* 1986; 159: 283
- aluminum bone disease in children: radiographic features from diagnosis to resolution: reply, Andreoli SP; Smith JA; Bergstein JM, *Radiology* 1986; 159: 284
- aluminum bone disease in children: radiographic features from diagnosis to resolution, Vukicevic S, *Radiology* 1987; 163: 583

- aneurysmal bone cysts: MR imaging at 1.5 T, Beltran J; Simon DC; Levy M; Herman LJ; Weis LD; Mueller CF, *Radiology* 1986; 158: 689
 - bone metastases in pheochromocytoma: comparative studies of efficacy of imaging, Lynn MD; Braunstein EM; Wahl RL; Shapiro B; Gross MD; Rabbani R, *Radiology* 1986; 160: 701
 - computed tomography and plain film appearance of a bony sequestration: significance and differential diagnosis, Helms CA; Jeffrey RB Jr; Wing VW, *Skeletal Radiol* 1987; 16: 117
 - dedifferentiated chondrosarcoma: radiographic features, de Lange EE; Pope TL Jr; Fechner RE, *Radiology* 1986; 161: 489
 - digital radiography of the spine, large bones and joints using stimulative phosphor: early clinical experience, Pettersson H; Aspelin P; Boijesen E; et al, *Acta Radiol* 1988; 29: 267
 - giant cell tumor of bone: radiographic changes following local excision and allograft replacement, Kattapuram SV; Phillips WC; Mankin HJ, *Radiology* 1986; 161: 493
 - magnification radiography in osteomyelitis, Lee SM; Lee RGL; Wilinsky J; et al, *Skeletal Radiol* 1986; 15: 625
 - radiographic appearances following surgical correction of the partially fused epiphyseal plate, Alford BA; Oshman DG; Sussman MD, *Skeletal Radiol* 1986; 15: 146
 - radiographic evaluation of modern orthopedic fixation devices, Richardson ML; Kilcoyne RF; Mayo KA; Lamont JG; Hastrup W, *Radiographics* 1987; 7: 685
 - sclerotic bone metastasis: radiologic-pathologic correlation, Aoki J; Yamamoto I; Hino M; Shigeno C; Kitamura N; Itoh H; Torizuka K; Itoh T; Furuta M, *Radiology* 1986; 159: 127
 - skeletal surveys in multiple myeloma: radiologic-clinical correlation, Sebes JI; Niell HB; Palmieri GMA; et al, *Skeletal Radiol* 1986; 15: 354
 - spectrum of skeletal changes associated with long-term administration of 13-cis-retinoic acid, Lawson JP; McGuire J, *Skeletal Radiol* 1987; 16: 91
 - status of osteoradiology fellowship training in the United States, Resnick DJ; Sartoris DJ, *AJR* 1987; 149: 973
- ## Bones, radionuclide studies
- abnormal bone and gallium scans in a case of multifocal systemic sporotrichosis, Anees A; Ali A; Fordham EW, *Clin Nucl Med* 1986; 11: 663
 - abnormalities of the hands during the arterial phase of skeletal scintigraphy, Lecklitner ML; Douglas KP, *Semin Nucl Med* 1987; 17: 360
 - abnormalities of the hands during the blood-pool phase of skeletal scintigraphy, Lecklitner ML; Douglas KP, *Semin Nucl Med* 1987; 17: 363
 - acute osteomyelitis in children: combined Tc-99m and Ga-67 imaging, Lewin JS; Rosenfield NS; Hoffer PB; Downing D, *Radiology* 1986; 158: 795
 - age-, sex-, and menopause-related changes of vertebral and peripheral bone: population study using dual and single photon absorptiometry and radiogrammetry, Geusens P; Dequeker J; Verstraeten A; et al, *J Nucl Med* 1986; 27: 1540
 - avidity of radiogallium for bone in thalassemia, Grimmond AP; Spencer RP, *Clin Nucl Med* 1987; 12: 758
 - basic principles of nuclear medicine techniques for detection and evaluation of trauma and sports medicine injuries, Matin P, *Semin Nucl Med* 1988; 18: 90
 - bilateral abnormalities of the hands during the osseous phase of skeletal scintigraphy, Lecklitner ML; Douglas KP, *Semin Nucl Med* 1987; 17: 368
 - bone and gallium scan findings in malignant fibrous histiocytoma: case report with radiographic and pathologic correlation, Mackey JK; Alexieva-Jackson B; Fetters DV; et al, *Clin Nucl Med* 1987; 12: 17
 - bone healing during lower limb lengthening by distraction epiphysiolysis, Van Roermund PM; Hoekstra A; Ter Haar Romeny BM; et al, *J Nucl Med* 1988; 29: 1259
 - bone imaging and skeletal radiology in dysbaric osteonecrosis, Williams ES; Khreissat S; Ell PJ; et al, *Clin Radiol* 1987; 38: 589
 - bone imaging appearance of Pelligrini Stieda syndrome, Mishkin J; Makler PT Jr; Velchik MC, *Clin Nucl Med* 1986; 11: 291
 - bone imaging in a case of chronic fluorine intoxication with mineral water, Thivolle P; Mathieu L; Damideaux J; et al, *Clin Nucl Med* 1986; 11: 771
 - bone imaging in the assessment of *en bloc* osteocutaneous autotransplantation, Lecklitner ML; Beasley JJ; Finn MC, *Clin Nucl Med* 1988; 13: 186
 - bone imaging showing shin splints and stress fractures, Walz D; Craig BM; McGinnis KD, *Clin Nucl Med* 1987; 12: 822
 - bone metastases in pheochromocytoma: comparative studies of efficacy of imaging, Lynn MD; Braunstein EM; Wahl RL; Shapiro B; Gross MD; Rabbani R, *Radiology* 1986; 160: 701
 - bone mineral measurement with a continuous roentgen ray spectrum and a germanium detector, Jonson R; Roos B; Hansson T, *Acta Radiol* 1986; 27: 105
 - bone scan appearance of osteogenesis imperfecta in an adult, Kramer EL; Rafii M; Fazzini E; et al, *Clin Nucl Med* 1986; 11: 331
 - bone scan cold spot from separation of osseous fragments in pathologic fracture, Slavin JD Jr; Yousufi Z; Spencer RP, *Clin Nucl Med* 1987; 12: 659
 - bone scanning in pregnant patients with breast carcinoma, Baker J; Ali A; Groch MW; et al, *Clin Nucl Med* 1987; 12: 519
 - bone scanning in the adductor insertion avulsion syndrome ("thigh splints"), Charkes ND; Siddhivani N; Schneek CD, *J Nucl Med* 1987; 28: 1835
 - bone scintigraphic demonstration of synovial chondromatosis, Smith R; Hulseley JM, *Clin Nucl Med* 1987; 12: 120
 - bone scintigraphic findings in patellar tendonitis, Kahn D; Wilson MA, *J Nucl Med* 1987; 28: 1768
 - bone scintigraphy and radiography in the early recognition of diabetic osteopathy, Tawn DJ; O'Hare JP; O'Brien IA; et al, *Br J Radiol* 1988; 61: 273
 - bone scintigraphy: hypertrophic osteoarthropathy in biliary atresia, Sty JR; Krecak J; Gregg DC, *Clin Nucl Med* 1987; 12: 657
 - bone scintigraphy in a patient with cerebrocostomandibular syndrome, Feldman N; Heyman S, *Clin Nucl Med* 1987; 12: 68
 - bone scintigraphy in symptomatic spondylolysis, (ab), van den Oever M; Merrick MV; Scott JHS, *Radiology* 1987; 165: 885
 - bone scintigraphy in the assessment of spondylolysis in patients attending a sports injury clinic, Elliott S; Hutson MA; Wastie ML, *Clin Radiol* 1988; 39: 269
 - bone scintigraphy in the evaluation of children with obscure skeletal pain, (ab), ter Meulen DC; Majd M, *Radiology* 1987; 165: 591
 - bone scintigraphy in tuberculous sacroiliitis, Salomon CG; Ali A; Fordham EW, *Clin Nucl Med* 1986; 11: 407
 - bone scintigraphy in two siblings with pulmonary alveolar microlithiasis, (ab), Garty I; Gailadi N; Flatau E, *Radiology* 1986; 158: 570
 - bone scintigraphy of the calcaneus, Brown ML; Sweet RG; Johnson KA, *Clin Nucl Med* 1986; 11: 530
 - bone SPECT, Collier BD Jr; Hellman RS; Krasnow AZ, *Semin Nucl Med* 1987; 17: 247
 - bone stress lesions in ballet dancers: scintigraphic assessment, Nussbaum AR; Treves ST; Micheli L, *AJR* 1988; 150: 851
 - bowel visualization in bone scintigraphy, Ackerman L; Elam E; Bushnell D; et al, *Semin Nucl Med* 1987; 17: 81
 - brucellosis: appearance on skeletal imaging, Bahar RH; Al-Suhail AR; Mousa AM; et al, *Clin Nucl Med* 1988; 13: 102
 - cause and significance of cold bone defects on indium-111-labeled leukocyte imaging, Datz FL; Thorne DA, *J Nucl Med* 1987; 28: 820
 - chronic osteomyelitis: bone and gallium scan patterns associated with active disease, Tume SS; Aliabadi P; Weissman BN; McNeil BJ, *Radiology* 1986; 158: 685
 - combined bone marrow and gallium imaging: differentiation of osteomyelitis and infarction in sickle hemoglobinopathy, Kahn CE Jr; Ryan JW; Hatfield MK; et al, *Clin Nucl Med* 1988; 13: 443
 - comparative imaging: massive osteolysis (Gorham's syndrome, disappearing bone disease), Marymont JV, *Clin Nucl Med* 1987; 12: 153
 - complications of fractures and their healing, McDougall IR; Keeling CA, *Semin Nucl Med* 1988; 18: 113
 - complications of fractures elucidated by bone scans, Williamson SL; Seibert JJ; Glasier CM; et al, *Clin Nucl Med* 1987; 12: 260
 - cost-appropriateness of whole body vs limited bone imaging for suspected focal sports injuries, Nagle CE, *Clin Nucl Med* 1986; 11: 469
 - detection of melorheostosis on bone scan, Drane WE, *Clin Nucl Med* 1987; 12: 548
 - detection of osseous lesions in Gorlin's syndrome by technetium-99m MDP, Peracha HU; Flynn TR; Spencer RP, *Clin Nucl Med* 1988; 13: 549
 - diffuse radioactivity in the thoraco-abdominal region seen in bone scintigraphy, Shih W-J; Domstad PA; DeLand FH, *Semin Nucl Med* 1986; 16: 211
 - diffuse thoracoabdominal radioactivity seen in bone imaging, Shih W-J; Coupal JJ; Domstad PA; et al, *Clin Nucl Med* 1986; 11: 254
 - diphosphonate intestinal activity seen on two bone images in neuroblastoma, McCarthy KE; Heyman S, *Clin Nucl Med* 1986; 11: 501
 - disease activity in osteomyelitis: role of radiography, Tume SS; Aliabadi P; Weissman BN; McNeil BJ, *Radiology* 1987; 165: 781
 - erythema nodosum leprosum reaction of leprosy causing the double stripe sign on bone scan: case report, Datz FL, *Clin Nucl Med* 1987; 12: 212
 - esthesioneuroblastoma imaged with bone scintigraphy, Acker R; Leonard JC, *Clin Nucl Med* 1986; 11: 670
 - evaluation of bone graft viability, Moskowitz GW; Lukash F, *Semin Nucl Med* 1988; 18: 246
 - evaluation of distance-weighted SPECT reconstruction for skeletal scintigraphy, Hellman RS; Nowak D; Collier BD; Isitman A; Eisner RL, *Radiology* 1986; 159: 473
 - exercise-induced muscle uptake of technetium-99m MDP, duCret RP; Boudreau RJ; Block JB; et al, *Clin Nucl Med* 1987; 12: 354
 - extensive pelvic infarction diagnosed by radionuclide skeletal and bone marrow imaging, Southee AE; Lee KJ; Rossleigh MA; et al, *Clin Nucl Med* 1988; 13: 613
 - false-negative bone imaging due to edronate disodium therapy, Krasnow AZ; Collier BD; Isitman AT; et al, *Clin Nucl Med* 1988; 13: 264
 - gallium-67 citrate localization in osteoclast nuclei of Paget's disease of bone, Mills BG; Masuoka LS; Graham CC Jr; et al, *J Nucl Med* 1988; 29: 1083
 - gallium uptake in myositis ossificans: potential pitfalls in diagnosis, Salzman L; Lee VW; Grant P, *Clin Nucl Med* 1987; 12: 308
 - gamut of increased whole bone activity in bone scintigraphy in children, Glasier CM; Seibert JJ; Williamson SL, *Clin Nucl Med* 1987; 12: 192
 - Gaucher's disease type 1: assessment of bone involvement by CT and scintigraphy, Hermann G; Goldblatt J; Levy RN; et al, *AJR* 1986; 147: 943
 - hemangioma, a rare cause of photopenic lesion on skeletal imaging, Makhia M; Bofill ER, *Clin Nucl Med* 1988; 13: 661
 - hepatic hypertrophic osteodystrophy detected on bone imaging, Spencer RP, *Clin Nucl Med* 1988; 13: 611
 - "hot" patella on bone images, Lin DS, *Semin Nucl Med* 1986; 16: 218
 - In-111-labeled white blood cell uptake in noninfected closed fracture in humans: prospective study, Van Nostrand D; Abreu SH; Callaghan JJ; Atkins FB; Stoops HC; Savory CG, *Radiology* 1988; 167: 495

- In-111-labeled white blood cell uptake in noninfected closed fracture, Siddiqui AR, Radiology 1988; 169: 579
- In-111-labeled white blood cell uptake in noninfected closed fracture: reply, Van Nostrand D, Radiology 1988; 169: 580
- Inability of bone and gallium imaging to differentiate acute gouty arthritis from septic arthritis, Boxen I, Clin Nucl Med 1986; 11: 443
- Increased activity on immediate phase of bone imaging does not always indicate increased blood volume, Webster DL, Hurwitz GA, DeVeber LL, et al, Clin Nucl Med 1986; 11: 749
- Increased extremity uptake on three-phase bone scans caused by peripherally induced ischemia prior to injection, Lecklitner ML, Douglas KP, J Nucl Med 1987; 28: 108
- Increased uptake in the lower neck on bone images, Lin DS, Semin Nucl Med 1988; 18: 167
- Indium-111 chloride imaging in chronic osteomyelitis, (ab), Sayle BA, Fawcett HD, Wilkey DJ, et al, Radiology 1986; 159: 824
- Indium-111 chloride imaging with uninfected fractures, Sayle BA, Fawcett HD, Yudit WM, et al, Clin Nucl Med 1987; 12: 208
- Indium-111 chloride scintigraphy in adult osteomyelitis, Iles SE, Ehrlich LE, Saliken JC, et al, J Nucl Med 1987; 28: 1540
- Indium-111 leukocyte imaging: skeletal photopenic lesion, Brown ML, Hauser MF, Aznaraz A, et al, Clin Nucl Med 1986; 11: 611
- Infection in diabetic osteoarthropathy: use of indium-labeled leukocytes for diagnosis, Maurer AH, Millmond SH, Knight LC, Mesgarzadeh M, Siegel JA, Shuman CR, Adler LP, Greene GS, Malmud LS, Radiology 1986; 161: 221
- Interpretation and classification of bone scintigraphic findings in stress fractures, Zwas ST, Elkanovitch R, Frank G, J Nucl Med 1987; 28: 452
- Intraoperative osteoscintigraphy as an aid to bone biopsy, Renzoni SA, Convery FR, Ashburn W, et al, Clin Nucl Med 1986; 11: 619
- Mastocytosis: scintigraphic findings with bony involvement, Malley MJ, Holmes RA, Clin Nucl Med 1988; 13: 673
- Nuclear imaging in coccioid osteomyelitis, Moreno AJ, Weisman IM, Rodriguez AA, et al, Clin Nucl Med 1987; 12: 604
- Options in camera technology for the bone scan: role of SPECT, Weber DA, Semin Nucl Med 1988; 18: 78
- Osteoarthritic brucellosis: results of bone scintigraphy in 140 patients, Madkour MM, Sharif HS, Abed MY, et al, AJR 1988; 150: 1101
- Osteoid osteoma: localization by intraoperative magnification scintigraphy, Taylor GA, Shea N, O'Brien T, et al, Radiol 1986; 16: 313
- Osteomyelitis and soft-tissue infection: differential diagnosis with 24 hour/4 hour ratio of Tc-99m MDP uptake, Israel O, Gips S, Jerushalmi J, Frenkel A, Front D, Radiology 1987; 163: 725
- Osteomyelitis complicating fracture: pitfalls of ¹¹¹In leukocyte scintigraphy, Kim EE, Plura GA, Lowry PA, et al, AJR 1987; 148: 927
- Paget's disease: a cause of photopenic skeletal defect in indium-111 WBC scintigraphy, Dunn EK, Vaquer RA, Strashun AM, J Nucl Med 1988; 29: 561
- Pathophysiologic interpretation of time activity curves in dynamic bone imaging, McCullough RW, Gandsman EJ, Clin Nucl Med 1988; 13: 517
- Patient with primary hyperparathyroidism and an abnormal bone scan, Van Leendert RJM, Flendrig JA, Clin Nucl Med 1986; 11: 701
- Pelvic "doughnut": sign of incidental pregnancy on bone scintigraphy, Mandell GA, Harcke HT, Clin Nucl Med 1987; 12: 116
- Positive gallium-67 citrate uptake in a patient with polyostotic fibrous dysplasia, Creagh MF, Nunan TO, Clin Nucl Med 1988; 13: 241
- Quantitative bone scintigraphy in patients with hyperparathyroidism, Brecht-Krauss D, Kusmierz J, Helliwig D, et al, J Nucl Med 1987; 28: 458
- Radiation dose to small infants from single-proton absorptiometry, Steichen JJ, Keriakes JG, Tsang RC, Radiology 1988; 166: 169
- Radionuclide and radiographic demonstration of condensing osteitis of the clavicle, Stewart CA, Siegel ME, King D, et al, Clin Nucl Med 1988; 13: 177
- Radionuclide bone imaging findings in recurrent calvarial infarction in sickle cell disease, Burke TS, Tatum JL, Fratkin MJ, et al, J Nucl Med 1988; 29: 411
- Radionuclide imaging in a case of tertiary syphilis involving the liver and bones, Cronin EB, Williams WH, Tow DE, J Nucl Med 1987; 28: 1047
- Radionuclide imaging in histiocytosis X, Schaub T, Ash JM, Gilday DL, Radiol 1987; 17: 397
- Radionuclide imaging in metabolic and systemic skeletal diseases, McAfee JG, Semin Nucl Med 1987; 17: 334
- Radiophosphate disclosure of subperiosteal bone formation in renal osteodystrophy, Rosenthal L, Rush C, J Nucl Med 1986; 27: 1572
- Reappraisal of the baseline bone scan in breast cancer, Coleman RE, Rubens RD, Fogelman I, J Nucl Med 1988; 29: 1045
- Recognition of atypical reflex sympathetic dystrophy, Heck LL, Clin Nucl Med 1987; 12: 925
- Resolution of a photopenic lesion on bone imaging following chemotherapy for metastatic disease, Rosen JM, MacLaughlin WW, Jaffe RM, Clin Nucl Med 1987; 12: 552
- Ribbing's disease: radiographic-scintigraphic correlation and comparative analysis with Engelmann's disease, Shier CK, Krasicky GA, Ellis BJ, et al, J Nucl Med 1987; 28: 244
- Scintigraphic and magnetic resonance studies in a patient with Gaucher's disease, Zanzi I, Taylor S, Gould E, et al, Clin Nucl Med 1988; 13: 491
- Scintigraphic appearance of extraosseous uptake of technetium-99m MDP following liposuction therapy, Schwegel DK, Lamki LM, Clin Nucl Med 1987; 12: 558
- Scintigraphic detection of clavicular hyperostosis in a patient with fulminant acne, Madsen JL, Clin Nucl Med 1988; 13: 345
- Scintigraphic differentiation of bone infarction from osteomyelitis in children with sickle cell disease, (ab), Rao S, Solomon N, Miller S, et al, Radiology 1986; 159: 576
- Scintigraphic evaluation of polyostotic fibrous dysplasia, Johns WD, Gupta SM, Kayani N, Clin Nucl Med 1987; 12: 627
- Scintigraphic examination of bone and marrow infarcts in sickle cell disorders, Alavi A, Heyman S, Kim HC, Semin Roentgenol 1987; 22: 213
- Scintigraphic findings in Gaucher's disease, Israel O, Jerushalmi J, Front D, J Nucl Med 1986; 27: 1557
- Scintigraphic findings of multiple osteochondromas, Shih W-J, Riley CN, Domstad PA, et al, Clin Nucl Med 1986; 11: 600
- Scintigraphic manifestation of fibrous dysplasia, Machida K, Makita K, Nishikawa J, et al, Clin Nucl Med 1986; 11: 426
- Serendipitous lymph node visualization during bone imaging, Vieras F, Clin Nucl Med 1986; 11: 434
- Sigmoid augmentation artefact in skeletal imaging, du Cret RP, Boudreau RJ, Maguire FP, et al, Clin Nucl Med 1988; 13: 375
- Skeletal photopenic appearance of Paget's disease with indium-111 white blood cell imaging, Borin BF, Abghari R, Sarkissian A, Clin Nucl Med 1987; 12: 783
- Splenic uptake in bone imaging, Shukla LW, Lin DS, Kutka N, Semin Nucl Med 1988; 18: 71
- Stippled ribs: potential pitfall in bone scan interpretation, Fink-Bennett D, Johnson J, J Nucl Med 1986; 27: 216
- Stress fractures after surgery for osteosarcoma: scintigraphic assessment, Ben Ami T, Treves ST, Tumei S, Cox-Bryan J, McCarthy C, Radiology 1987; 163: 157
- Subperiosteal hematoma: another scintigraphic "doughnut", Mandell GA, Harcke HT, Clin Nucl Med 1986; 11: 35
- "Supernormal" bone image in a case of Waldenström macroglobulinemia, Lubat E, Kramer EL, Sanger JJ, Clin Nucl Med 1986; 11: 279
- Technetium-99m DTPA uptake and transit in bone: effect on blood clearance in rabbits, Sampson WFD, J Nucl Med 1987; 28: 1461
- Technetium-99m imaging of bone trauma: reduced sensitivity caused by hydrocortisone in rabbits, Scott SM, Manaster BJ, Alazraki N, et al, AJR 1987; 148: 1175
- Technetium-99m-labeled phosphonic acid analog of serine: bone uptake, Surh Y, Spencer RP, Spitznagle LA, et al, J Nucl Med 1986; 27: 847
- Technetium-99m MDP demonstration of heterotopic ossification in fibrodysplasia ossificans progressiva, Fang MA, Reining JW, Hill SC, et al, Clin Nucl Med 1986; 11: 8
- Three-phase bone scanning in chronic myelogenous leukemia, Ginsberg HN, Swayne LC, Clin Nucl Med 1987; 12: 823
- Three-phase bone scanning in reflex sympathetic dystrophy of the hand, Demangeat J-L, Constantinesco A, Brunot B, et al, J Nucl Med 1988; 29: 26
- Three-phase bone scintigraphy in Pellegrini-Stieda disease, Liu R-S, Chou C-S, Yeh S-H, Clin Nucl Med 1987; 12: 47
- Three-phase radionuclide bone scanning in evaluation of local radiation injury: a case report, Mettler FA Jr, Monsein L, Davis M, et al, Clin Nucl Med 1987; 12: 805
- Triple phase bone scanning of an introsseous ganglion: case report and discussion, Wardlaw JM, Best JJK, Clin Nucl Med 1988; 13: 647
- Uniaxial increased uptake in bone imaging, Lin DS, Semin Nucl Med 1988; 18: 165
- Unilateral abnormalities of the hands during the osseous phase of skeletal scintigraphy, Lecklitner ML, Douglas KP, Semin Nucl Med 1987; 17: 366
- Unusual scintigraphic findings in a case of treated monostotic Paget's disease, Ziewacz JT, Slavin JD Jr, Spencer RP, Clin Nucl Med 1988; 13: 93
- Uptake of bone scanning agent in neurofibromatosis, Holbert BL, Lamki LM, Holbert JM, Clin Nucl Med 1987; 12: 66
- Use of bone scintigraphy in the management of slipped capital femoral epiphysis, Smergel EM, Harcke HT, Pizzutillo PD, et al, Clin Nucl Med 1987; 12: 349
- Uterine blush in multiphase bone imaging, Mandell GA, Harcke HT, Sharkey C, et al, J Nucl Med 1986; 27: 51
- Utility of caudal view in pelvic bone imaging, Simon J, Danet B, Esquerre JP, et al, Clin Nucl Med 1986; 11: 614
- Value of gallium-67 SPECT in a patient with "malignant" otitis externa, Behjati K, Boyd CM, Balachandran S, et al, Clin Nucl Med 1987; 12: 229
- Value of non-staging skeletal scintigraphy in breast cancer, Kunkler IH, Merrick MV, Clin Radiol 1986; 37: 561

Bones, sclerosis

- aluminum toxicity in patients undergoing dialysis: radiographic findings and prediction of bone biopsy results, Kriegshauser JS, Sweet RG, McCarthy JT, Hauser MF, Radiology 1987; 164: 399
- Autosomal dominant osteosclerosis associated with familial spinal canal stenosis, (ab), Yasuda Y, Dokoh S, Seko K, et al, Radiology 1987; 163: 293
- Autosomal dominant type of endosteal hyperostosis with unusual manifestations of sclerosis of the jaw bones, Nakamura T, Yamada N, Nonaka R, et al, Skeletal Radiol 1987; 16: 48
- case report 402, Herrera A, Urbanitz D, Rosner A, et al, Skeletal Radiol 1986; 15: 672
- condensing osteitis of the clavicle: case report and review of the literature, Outwater E, Oates E, J Nucl Med 1988; 29: 1122
- disease activity in osteomyelitis: role of radiography, Tumei S, Aliabadi P, Weissman BN, McNeil BJ, Radiology 1987; 165: 781

- inflammatory hyperostosis and sclerosis of the clavicle, Jurik AG; Moller BN, *Skeletal Radiol* 1986; 15: 284
- mixed sclerosing bone dysplasia coexisting with dysplasia epiphysealis hemimelica (Trevor-Fairbank disease), Greenspan A; Steiner G; Sotelo D; et al, *Skeletal Radiol* 1986; 15: 452
- osteosclerotic myeloma variants, Hall FM; Gore SM, *Skeletal Radiol* 1988; 17: 101
- osteosclerotic sarcoidosis, Abdelwahab IF; Norman A, *AJR* 1988; 150: 161
- plasma cell sclerosis of bone: spectrum of disease, Sartoris DJ; Pate D; Haghighi P; et al, *J Canad Assoc Radiol* 1986; 37: 25
- progressive diaphyseal dysplasia (Camurati-Engelmann): radiographic follow-up and CT findings, Kaffori JK; Kleinhaus U; Naveh Y, *Radiology* 1987; 164: 777
- Ribbing's disease: radiographic-scinigraphic correlation and comparative analysis with Engelmann's disease, Shier CK; Krasicky GA; Ellis BI; et al, *J Nucl Med* 1987; 28: 244
- sclerotic bone metastasis: radiologic-pathologic correlation, Aoki J; Yamamoto I; Hino M; Shigeno C; Kitamura N; Itoh H; Torizuka K; Itoh T; Furuta M, *Radiology* 1986; 159: 127
- skeletal manifestations of idiopathic bone sclerosis, Carter BC; Nguyen V; Cone RO; et al, *Australas Radiol* 1988; 32: 242
- trichothiodystrophy syndrome of Pollitt, Chapman S, *Pediatr Radiol* 1988; 18: 154
- Bones, surgery**
- radiographic appearances following surgical correction of the partially fused epiphyseal plate, Alford BA; Oshman DG; Sussman MD, *Skeletal Radiol* 1986; 15: 146
- ring sequestrum: radiographic characteristics of skeletal fixation pin-tract osteomyelitis, Nguyen VD; London J; Cone RO III, *Radiology* 1986; 158: 129
- stress fractures after surgery for osteosarcoma: scintigraphic assessment, Ben Ami T; Treves ST; Tumei S; Cox-Bryan J; McCarthy C, *Radiology* 1987; 163: 157
- Bones, US studies**
- interventional ultrasound in the musculoskeletal system, Christensen RA; vanSonnenberg E; Casola G; et al, *Radiol Clin North Am* 1988; 26: 145
- osteomyelitis: detection with US: work in progress, Abiri MM; Kirkekar M; Ablow RC, *Radiology* 1988; 169: 795
- sonographic appearance of osteolysis of humeral head, Kauzlaric D, *JCU* 1986; 14: 566
- sonographic detection of occult bone fractures, Graif M; Stahl-Kent V; Ben-Ami T; et al, *Pediatr Radiol* 1988; 18: 383
- Book reviews**
- Abrams HL, ed, *Abrams angiography*. 3d ed., Reviewed by Martin DS, *Radiology* 1986; 160: 736
- Ahlheim KH, ed, *Duden: das worterbuch medizinischer fachausdrucke (the Duden thesaurus-dictionary of medical terminology)*. 4th ed, Reviewed by Oestreich AE, *Radiology* 1986; 159: 236
- Aimino G, *echotomographie et pathologie thoracique (ultrasound of thoracic disease)*, Reviewed by Oestreich AE, *Radiology* 1986; 158: 20
- Allen PS; Boisvert DPJ; Lentle BC, *magnetic resonance in cancer*, Reviewed by Sundaram M, *Radiology* 1987; 162: 68
- Allswang JM; Isenberg JL; Weiss MH, *physician's guide to computers and computing*, Reviewed by O'Mara RE, *Radiology* 1986; 160: 104
- American College of Radiology, *introduction to alternative health care delivery systems for radiologists: a resource monograph*, Reviewed by Griffiths HJ, *Radiology* 1988; 169: 830
- Amiel M; Maseri A; Pettit H; Vasile N, *coronary artery diseases*, Reviewed by Chen JTT, *Radiology* 1987; 162: 376
- Amplatz K; Moller JH; Castaneda-Zuniga W, *radiology of congenital heart disease. vol. 1*, Reviewed by Stolberg HO, *Radiology* 1988; 166: 668
- Andriole VT, *urinary tract infections: recent developments*, Reviewed by McKay JA, *Radiology* 1988; 169: 144
- Annonier C, *female breast examination: theoretical and practical guide to breast diagnosis*, Reviewed by Sanders DE, *Radiology* 1987; 162: 660
- Ansell G, *radiology of adverse drug reactions and toxic hazards*, Reviewed by Jones M, *Radiology* 1987; 162: 20
- Ansell G; Wilkins RA, *complications in diagnostic imaging*, Reviewed by Hazel JG Jr, *Radiology* 1988; 169: 252
- Ariel IM; Clearly JB, *breast cancer: diagnosis and treatment*, Reviewed by Sanders DE, *Radiology* 1987; 164: 558
- atlas of ultrasonography in obstetrics and gynecology, Kurjak A; Blankier J, *Radiology* 1988; 167: 606
- Axenrod T; Ceccarelli G, eds, *NMR in living systems*, Reviewed by Bryant RG, *Radiology* 1987; 162: 774
- Bacharach SL, *information processing in medical imaging*, Reviewed by Martin DS, *Radiology* 1987; 162: 364
- Bakk YW, *x-ray diagnosis of the upper alimentary tract. vol. 1. x-ray diagnosis of the lower alimentary tract. vol. 2. pattern analysis of a programmed text*, Reviewed by Han BK, *Radiology* 1986; 159: 318
- Banna M, *clinical radiology of the spine and the spinal cord*, Reviewed by El-Khoury GY, *Radiology* 1986; 161: 210
- Barquet A, *traumatic hip dislocation in childhood*, Reviewed by Roe LR, *Radiology* 1987; 165: 638
- Bartels H, *urosonographische differentialdiagnose (urologic ultrasound differential diagnosis)*, Reviewed by Blickman JG, *Radiology* 1987; 164: 160
- Bassett LW; Gold RH; Kimme-Smith C, *hand-held and automated breast ultrasound*, Reviewed by Irwin GAL, *Radiology* 1986; 160: 658
- Bassett LW; Gold RH, eds, *breast cancer detection: mammography and other methods in breast imaging*. 2d ed., Reviewed by Sanders DE, *Radiology* 1988; 166: 434
- Bauer R; Stettmeier H; Mörike KD; Bauer U, eds, *MR-tomographie von herz und thorax (MR tomography of the heart and thorax)*. vol. 3 of atlas der MR-tomographie (atlas of MR tomography), Reviewed by Bisset GS III, *Radiology* 1988; 167: 408
- Belohradsky BH; Daumling S; Kiess W; Griscelli C; Goodwin JF; Danon M; Crawford JD; Niederau C; Stremmel JF; Strohmeyer G, *ergebnisse der inneren medizin und kinderheilkunde (advances in internal medicine and pediatrics)* vol. 55, Reviewed by Ey EH; Oestreich AE, *Radiology* 1988; 166: 686
- Benicio Dos Santos I, *radiologia pulmonar (pulmonary radiology)*, Reviewed by Rodrigues P, *Radiology* 1986; 161: 684
- Benison S; Barger AC; Wolfe EL; Walter B. Cannon, *the life and times of a young scientist*, Reviewed by Fischer HW, *Radiology* 1987; 165: 670
- Bentley HB, ed, *textbook of radiographic science*, Reviewed by Bennell C, *Radiology* 1987; 165: 334
- Berger M, *self assessment in radiology and imaging 2: gastro-intestinal radiology*, Reviewed by Olmsted WW, *Radiology* 1986; 160: 388
- Berk JE, ed, *bokkus gastroenterology*. 7 vols, 4th ed., Reviewed by Skucas J, *Radiology* 1986; 159: 88
- Berland LL, *practical CT: technology and techniques*, Reviewed by Menanteau BP, *Radiology* 1988; 167: 128
- Bernard P, *la radiologie apres chirurgie esthetique et plastique mammaire (radiology of plastic surgery of the breast)*, Reviewed by Oestreich AE, *Radiology* 1987; 164: 790
- Bernardino ME; Sones PJ Jr, eds, *hepatic radiography*, Reviewed by Wills JS, *Radiology* 1986; 158: 628
- Bernstein EF, ed, *noninvasive diagnostic techniques in vascular disease*. 3d ed., Reviewed by Martin DS, *Radiology* 1986; 158: 198
- Berquist TH; Ehman RL; Richardson ML, eds, *magnetic resonance of the musculoskeletal system*, Reviewed by Virtama P, *Radiology* 1987; 164: 436
- Berquist TH, ed, *imaging of orthopedic trauma and surgery*, Reviewed by Martin DS, *Radiology* 1986; 161: 504
- Berquist TH, ed, *diagnostic imaging of the acutely injured patient*, Reviewed by Young JWR, *Radiology* 1986; 161: 640
- Beyer D; Koster R, *bildgebende diagnostik akuter intestinaler durchblutungsstörungen (imaging diagnosis of acute intestinal vascular occlusion)*, Reviewed by Oestreich AE, *Radiology* 1986; 160: 394
- Beyer D; Modder U, *diagnostik des akuten abdomens mit bildgebenden verfahren. ein klinisch-radiologisches konzept (diagnosis of the acute abdomen with diagnostic imaging technologies. a clinico-radiologic approach)*, Reviewed by Kircher K, *Radiology* 1986; 161: 146
- Beyer D; Herzog M; Zanella FE; Bohndorf K; Walter E; Hüls A, *rontgendiagnostik von zahn- und kiefererkrankungen: ein klinisch-radiologisches konzept (x-ray diagnosis of diseases of the teeth and jaw)*, Reviewed by Oestreich AE; Steiner JF, *Radiology* 1988; 168: 446
- Bischof-Delaloye A; Fox MDB, eds, *radionuclides in nephrology*, Reviewed by Rinck PA, *Radiology* 1988; 167: 386
- Bismuth H; Castaldi D, *operative ultrasound of the liver and biliary ducts*, Reviewed by Capusten BM, *Radiology* 1987; 165: 634
- Bleehen NM, ed, *tumours of the brain*, Reviewed by Hindmarsh T, *Radiology* 1986; 161: 760
- Bleehen NM, ed, *ovarian cancer*, Reviewed by Steinfeld AD, *Radiology* 1987; 162: 306
- Bloomfield JA, *introduction to organ imaging*, Reviewed by Jacobs J, *Radiology* 1986; 158: 118
- Bonneville J-F; Cattin F; Dietemann J-L, *computed tomography of the pituitary gland*, Reviewed by Martin DS, *Radiology* 1987; 162: 762
- Bosma JF, *anatomy of the infant head*, Reviewed by Wood BP, *Radiology* 1986; 161: 622
- Botsch H, *galliumszintigraphie—diagnostik bei entzündlichen erkrankungen und tumoren (gallium scintigraphy in inflammatory disease and tumor diagnosis)*, Reviewed by Oestreich AE, *Radiology* 1986; 158: 34
- Bottino JC; Opfell RW; Muggia FM, eds, *liver cancer*, Reviewed by Steinfeld AD, *Radiology* 1986; 160: 626
- Bradshaw JR, *brain CT: introduction*, Reviewed by Jones M, *Radiology* 1986; 161: 766
- Bragg D, ed, *1986 year book of diagnostic radiology*, Reviewed by Cockshott WP, *Radiology* 1987; 163: 156
- Bragg DG; Keats TE; Kieffer SA; Kirkpatrick JA Jr; Koehler R; Sorenson JA; White RI Jr, eds, *1985 year book of diagnostic radiology*, Reviewed by Swirsky MH, *Radiology* 1986; 160: 72
- Bragg DG; Rubin P; Youker JE, eds, *oncologic imaging*, Reviewed by Hamlin DJ, *Radiology* 1986; 161: 42
- Bragg DG; Keats TE; Kieffer SA; Kirkpatrick JA Jr; Koehler PR; Miller FJ Jr; Sorenson JA, eds, *1987 year book of diagnostic radiology*, Reviewed by Martin DS, *Radiology* 1988; 167: 6
- Bragg DG; Hendee WR; Keats TE; Kirkpatrick JA Jr; Miller FJ Jr; Osborn AG; Thompson WM, *year book of diagnostic radiology*, Reviewed by Heredia SL, *Radiology* 1988; 169: 382
- Brant-Zawadzki MN; Norman D, eds, *magnetic resonance imaging of the central nervous system*, Reviewed by Keller MA, *Radiology* 1988; 167: 694
- Bruneton J-N; Schneider M, eds, *radiology of lymphomas*, Reviewed by Smith J, *Radiology* 1987; 162: 492
- Bruneton J-N; Balu-Maestro C; Fenart D; Kalifa G; Moreau J-F; Normand F; Poncin J; Santini J; Sellier N; Santini N, *ultrasonography of the neck*, Reviewed by Newman H III, *Radiology* 1988; 166: 716
- Buda AJ; Delp EJ, eds, *digital cardiac imaging*, Reviewed by Martin DS, *Radiology* 1986; 160: 530
- Bull S, *skeletal radiology*, Reviewed by Redmond C, *Radiology* 1986; 160: 452
- Bundy AL, *radiology and the law*, Reviewed by Griffiths HJ, *Radiology* 1988; 168: 432

- Carson CC; Dunnick NR, eds, endourology. Reviewed by Spataro RF, Radiology 1987; 162: 746
- Castaneda-Zuiniga WR, radiologic diagnosis of renal transplant complications. Reviewed by Cuttino JT Jr, Radiology 1987; 164: 362
- Castelijns JA, MR imaging of laryngeal cancer. Reviewed by Unger JM, Radiology 1988; 169: 28
- Chapman AH; Robinson PJ, MCQ's in radiology. Reviewed by Listinsky J, Radiology 1988; 158: 558
- Chapman S; Nakiely N, aids to radiological differential diagnosis. Reviewed by Lieberman S, Radiology 1986; 161: 408
- Chevrot A; Katz M; Rohr C, os et articulations (bones and joints). vol. 4 of cahiers de radiologie (notebooks of radiology). Reviewed by Oestreich AE, Radiology 1986; 159: 746
- Chilton HM; Witkowski RL, nuclear pharmacy: introduction to the clinical application of radiopharmaceuticals. Reviewed by Russ GA, Radiology 1987; 162: 52
- Chiu L; Stanford W; Yiu-Chiu VS, computed tomographic angiography of the mediastinum. Reviewed by Hopper KD, Radiology 1988; 168: 674
- Chiu LC; Lipcamon JD; Yie-Chiu BS, clinical computed tomography: illustrated procedural guide. Reviewed by Jones M, Radiology 1986; 161: 646
- Christoforidis AJ, atlas of axial, sagittal, and coronal anatomy with CT and MRI. Reviewed by Doris CI; Franchetto AA; Dobranowski J, Radiology 1988; 168: 312
- Clark DA, coronary angioplasty. Reviewed by Stolberg HO, Radiology 1988; 168: 90
- Claussen C; Lochner B, eds, dynamic computed tomography: basic principles and clinical applications. Reviewed by Weiss SL, Radiology 1986; 159: 378
- Clemente CD, anatomy: a regional atlas of the human body. 3d ed. Reviewed by Fischer HW, Radiology 1988; 166: 642
- Close ME; Wallace S, eds, lymphatic imaging: lymphography, computed tomography and scintigraphy. 2d ed. Reviewed by Steinfeld AD, Radiology 1986; 159: 692
- Cohen MD, pediatric magnetic resonance imaging. Reviewed by Wood BP, Radiology 1986; 161: 340
- Collins SM; Skorton DJ, eds, cardiac imaging and image processing. Reviewed by Martin DS, Radiology 1986; 160: 220
- Commission on Radiologic Practice, guide to radiologic practice. Reviewed by Griffiths HJ, Radiology 1988; 169: 830
- Cooke J; Hansell DM; Parson C, mammography. Reviewed by Beier-Hanratty SA, Radiology 1988; 169: 462
- Cox PH, ed, radiopharmacy and radiopharmacology yearbook 1. Reviewed by Russ GA, Radiology 1986; 160: 328
- Cragg AH, radiology review cards. Reviewed by Listinsky JJ; Steiner E; Philbrick A; Foster R, Radiology 1986; 161: 670
- Craig M, ultrasound exam review: sonographer's self-assessment guide. Reviewed by Irwin GAL, Radiology 1986; 161: 94
- Cullinan AM, producing quality radiographic images. Reviewed by Falconi CL, Radiology 1988; 167: 652
- Dahlin DC; Unni KK, bone tumors: general aspects and data on 8,547 cases. Reviewed by Young JWR, Radiology 1987; 164: 424
- Daniels DL; Houghton VM; Naidich TP, cranial and spinal magnetic resonance imaging: an atlas and guide. Reviewed by Rinck PA, Radiology 1988; 168: 442
- Deitemann J-L, radiodiagnosis of the skull. Reviewed by Griffiths HJ, Radiology 1986; 158: 190
- DeKernion JB; Paulson DF, genitourinary cancer management. Reviewed by Steinfeld AD, Radiology 1987; 165: 164
- del Regato JA, radiological physicists. Reviewed by Capusten BM, Radiology 1986; 161: 34
- Demling L, ed, klinische gastroenterologie (clinical gastroenterology). 2d ed. 2 vols. Reviewed by Donner MW, Radiology 1986; 161: 132
- de Slegte RGM; Valk J; Lohman AHM; Zonnevald FW, cisternographic anatomy of the posterior cranial fossa: high resolution CT and MRI study. Reviewed by Garrett MK, Radiology 1987; 164: 52
- Didier D, echocardiographie bidimensionnelle du nouveau-né au grand enfant (two-dimensional echocardiography—newborn through later childhood). Reviewed by Paquet M, Radiology 1986; 158: 808
- digital subtraction angiography in clinical practice. Reviewed by Paquet M, Radiology 1987; 162: 606
- Dihlmann W, joints and vertebral connections. Reviewed by Sundaram M, Radiology 1986; 160: 468
- Dihlmann W; Stender H-S, eds, wirbelsäule—rückenmark (spinal column and spinal cord). Reviewed by Oestreich AE, Radiology 1987; 163: 640
- Dihlmann W; Stender H-S, eds, Schadel-Gehirn (skull and brain). Pt. 1 of vol. 5 of Schinz: radiologische diagnostik in klinik und praxis (diagnostic radiology in clinical practice). 7th ed. Reviewed by Oestreich AE, Radiology 1987; 164: 634
- Dihlmann W, radiologic atlas of rheumatic diseases. Reviewed by Stelling CB, Radiology 1987; 165: 630
- Dobbs J; Barrett A, practical radiotherapy planning. Reviewed by Steinfeld AD, Radiology 1987; 163: 324
- Doi K; Lanzi L; Lin P-J, eds, recent developments in digital imaging. Reviewed by Boxi LM, Radiology 1986; 159: 110
- Dosch J-C, trauma: conventional radiologic study in spine injury. Reviewed by Blum JE, Radiology 1986; 159: 590
- Drexler G; Eriksat H; Schibilla H, eds, criteria and methods for quality assurance in medical x-ray diagnosis. Reviewed by Griffiths HJ, Radiology 1986; 158: 818
- Duncan WJ, color Doppler in clinical cardiology. Reviewed by Capusten BM, Radiology 1988; 168: 720
- Duvauferrier R, ed, imagerie moderne des tumeurs du foie (current imaging of liver tumors). Reviewed by Pantoja E, Radiology 1988; 168: 42
- Easton EJ Jr; Powers JA, musculoskeletal magnetic resonance imaging. Reviewed by Griffiths HJ, Radiology 1986; 160: 160
- Edwards WD, cardiomyopathies. Reviewed by Lang DB, Radiology 1988; 166: 376
- Egan RL, breast imaging: diagnosis and morphology of breast diseases. Reviewed by Sanders DE, Radiology 1988; 168: 428
- Eisenberg RL, diagnostic imaging in surgery. Reviewed by Young JWR, Radiology 1987; 165: 48
- Eisenberg RL, clinical imaging: an atlas of differential diagnosis. Reviewed by Martin DS, Radiology 1988; 168: 708
- Eisenberg RL, ed, diagnostic imaging: an algorithmic approach. 2d ed. Reviewed by Miller TL, Radiology 1988; 168: 624
- Eisenbud M, environmental radioactivity: from natural, industrial, and military sources. 3d ed. Reviewed by Griffiths HJL, Radiology 1987; 165: 702
- Elster AD, magnetic resonance imaging. Reviewed by Virtama P, Radiology 1987; 164: 542
- Elster AD, cranial magnetic resonance imaging. Reviewed by Hopper KD, Radiology 1988; 169: 92
- Evans KT; Gravelle IH; Roberts GM; Hayward C, clinical radiology for medical students. Reviewed by Salonen DC, Radiology 1988; 168: 644
- Falke THM, ed, essentials of clinical MRI. Reviewed by Knight GF, Radiology 1988; 169: 40
- Feigenbaum H, echocardiography. 4th ed. Reviewed by Martin JF, Radiology 1986; 161: 532
- Felix WR Jr, ed, noninvasive diagnosis of peripheral vascular disease. Reviewed by Castaneda F, Radiology 1988; 168: 732
- Felman AH; Cohen MD, radiology of the pediatric chest: clinical and pathological correlations. Reviewed by Coblenz CL, Radiology 1988; 166: 92
- Felson B; Reeder MM, gamuts in radiology. 2d ed. Reviewed by Capusten BM, Radiology 1988; 167: 154
- Field SB; Franconi C, eds, physics and technology of hyperthermia. series E: applied sciences, no. 127. Reviewed by Lerch IA, Radiology 1988; 167: 422
- Filkins K; Russo RJ, eds, human prenatal diagnosis. Reviewed by Toi A, Radiology 1986; 161: 810
- Fischer AQ; Anderson JC; Shuman RM; Stinson W, pediatric neurosonography: clinical, tomographic, and neuropathologic correlates. Reviewed by Johnson ND, Radiology 1986; 160: 236
- Fisk T; Brown C, marketing for the radiologist: an introduction. Reviewed by Griffiths HJ, Radiology 1988; 169: 830
- Flanagan JJ; Maisey MN, atlas of normal skeletal scintigraphy. Reviewed by Fisher MF, Radiology 1986; 161: 190
- Fogelman I, ed, bone scanning in clinical practice. Reviewed by Griffiths HJL, Radiology 1987; 165: 642
- Forgacs S, gastrointestinal disorders in diabetes mellitus. Reviewed by Mapp E, Radiology 1986; 161: 292
- Forrester DM, radiology of joint disease. 3d ed. Reviewed by Brown JC; Virtama P, Radiology 1987; 165: 350
- Frame B; Honasoge M; Kottamasu SR, osteoclerosis, hyperostosis and related disorders. Reviewed by Griffiths HJ, Radiology 1988; 169: 310
- Freeman LM; Weissmann HS, eds, nuclear medicine annual 1985. Reviewed by Smith R, Radiology 1986; 158: 40
- Freeman LM; Weissmann HS, nuclear medicine annual 1987. Reviewed by Capusten BM, Radiology 1988; 166: 766
- Frick MP; Feinberg SB, abdominal imaging: introduction. Reviewed by Ho C-S, Radiology 1987; 163: 306
- Friedman AC, ed, radiology of the liver, biliary tract, pancreas, and spleen. Reviewed by Olmsted WW, Radiology 1987; 165: 56
- Frommhold W; Gerhardt P, eds, die klinische wertigkeit neuer bildgebender verfahren (clinical value of the newer imaging modalities). Reviewed by Blickman JG, Radiology 1986; 159: 174
- Frommhold W; Hubener K-H, computertomographie in der strahlentherapie (computed tomography in radiation therapy). Reviewed by Gahbauer RA, Radiology 1987; 162: 382
- Frommhold W; Gerhardt P, eds, tumoren im retroperitoneum (retroperitoneal tumors). Reviewed by Seydel HG, Radiology 1987; 164: 26
- Frommhold W, ed, gastrointestinaltrakt II (gastrointestinal tract II). pt 2 of vol 3 of Schinz: radiologische diagnostik in klinik und praxis (diagnostic radiology in clinical practice). 7th ed. Reviewed by Oestreich AE, Radiology 1988; 169: 640
- Gademann G, NMR—tomography of the normal brain. Reviewed by Utz R, Radiology 1986; 158: 156
- Gedgaudas-McCles RK, ed, handbook of gastrointestinal imaging. Reviewed by Capusten BM, Radiology 1988; 166: 134
- Gerson MC, ed, cardiac nuclear medicine. Reviewed by Houle S, Radiology 1987; 164: 204
- Gibilisco JA, ed, Stafne's oral radiographic diagnosis. Reviewed by Cacciotti LR, Radiology 1986; 158: 452
- Gilbert HA, ed, modern radiation oncology, vol. 2. Reviewed by Steinfeld AD, Radiology 1986; 158: 844
- Gisel A; Wicke L; Schmiedl R, funktionelle anatomic und röntgen-anatomic der wirbelsäule (functional anatomy and radiographic anatomy of the vertebral column). vol. 4, funktionelle pathologie und klinik der wirbelsäule. Reviewed by Oestreich AE, Radiology 1988; 167: 684
- Giuliana ER, ed, two-dimensional real-time ultrasonic imaging of the heart. Reviewed by Doris CI, Radiology 1988; 166: 380
- Glazer GM, ed, staging of neoplasms. Reviewed by Por-Somjai A, Radiology 1987; 162: 728
- Go VW; Gardner JD; Brooks FP; Lebenthal E; DiMaggio EP; Scheele GA, eds, exocrine pancreas: biology, pathobiology, and diseases. Reviewed by Olmsted WW, Radiology 1986; 161: 446
- Goddard P, diagnostic imaging of the chest. Reviewed by Rappaport DC, Radiology 1988; 166: 724

Book reviews

- Gofman JW; O'Connor E, x-rays: health effects of common exams. Reviewed by Wagner LK; Fischer HW. Radiology 1987; 163: 436
- Gonzalez CF; Grossman CB; Masdeu JC, eds, head and spine imaging. Reviewed by Sarwar M. Radiology 1986; 158: 446
- Gonzalez CF; Becker MH; Flanagan JC, eds, diagnostic imaging in ophthalmology. Reviewed by Robinson KE. Radiology 1986; 160: 772
- Gordon MY; Barrett AJ, bone marrow disorders: biological basis of clinical problems. Reviewed by Griffiths HJ. Radiology 1986; 160: 142
- Goris ML, sensitivity and specificity of common scintigraphic procedures. Reviewed by Winzelberg GG. Radiology 1986; 159: 138
- Graf R; Schuler P, sonography of the infant hip: atlas. Reviewed by Keller MS. Radiology 1987; 164: 126
- Grainger RC; Allison DJ, eds, diagnostic radiology: Anglo-American textbook of imaging. 3 vols. Reviewed by Daffner RH; Dash N; Khoury MB; Lupetin AR; Rothfus WE. Radiology 1987; 162: 616
- Grant EG, ed, neurosonography of the pre-term neonate. Reviewed by Toi A. Radiology 1987; 162: 460
- Grech P; Martin TJ; Barrington NA; Eli PJ, diagnosis of metabolic bone disease. Reviewed by Griffiths HJL. Radiology 1987; 163: 656
- Greene D, linear accelerators for radiation therapy. Reviewed by Barish RJ. Radiology 1987; 163: 660
- Greenfield GB, radiology of bone disease. 4th ed. Reviewed by Young JWR. Radiology 1986; 161: 726
- Greening JR, fundamentals of radiation dosimetry. Reviewed by Kelsey CA. Radiology 1986; 159: 422
- Griffiths HJ, basic bone radiology. 2d ed. Reviewed by Magid D. Radiology 1988; 166: 388
- Grossman W, ed, cardiac catheterization and angiography. 3d ed. Reviewed by Chen JTT. Radiology 1987; 162: 480
- Grossman ZD; Chew FS; Ellis DA; Brigham SC, clinician's guide to diagnostic imaging. 2d ed. Reviewed by Malamed D. Radiology 1988; 167: 600
- Grunebaum M, differential diagnosis in pediatric radiology. Reviewed by Klionsky N. Radiology 1987; 162: 392
- Gyll C; Blake N, paediatric diagnostic imaging. Reviewed by Ozonoff MB. Radiology 1987; 162: 60
- Hach W; Hach V, phlebographie der bein- und beckenvenen (venography of the lower extremities and pelvis). 3d ed. Reviewed by Rusch O. Radiology 1986; 160: 118
- Hackeloe B-J; Duda V; Lauth G, ultraschall-mammographie, methoden, ergebnisse, diagnostischen strategien (ultrasound-mammography, methods, results, diagnostic strategy). Reviewed by Oestreich AE. Radiology 1987; 164: 790
- Hagen-Ansert SL, anatomy workbook. Reviewed by Listinsky JJ. Radiology 1987; 164: 78
- Hajdu SI, differential diagnosis of soft tissue and bone tumors. Reviewed by Cockshott WP. Radiology 1986; 160: 134
- Hall CM; Lingam S, diagnostic paediatric imaging: case study teaching manual. Reviewed by Pistoia F; Ozonoff MB. Radiology 1987; 163: 376
- Hall EJ, radiation and life. 2d ed. Reviewed by Benedetto AR. Radiology 1986; 158: 50
- Han M-C; Kim C-W, sectional human anatomy. Reviewed by Griffiths HJ. Radiology 1986; 160: 294
- Hansmann M; Hackeloe B-J; Staudach A, eds, ultraschalldiagnostik in geburtshilfe und gynakologie—lehrbuch und atlas (ultrasound in obstetrics and gynecology—textbook and atlas). Reviewed by Stark P. Radiology 1986; 158: 96
- Hansmann M; Hackeloe B-J; Staudach A; Wittmann BK, eds, ultrasound diagnosis in obstetrics and gynaecology (ultraschalldiagnostik in geburtshilfe und gynakologie). Reviewed by Blankier J. Radiology 1987; 162: 674
- Harbert JC, nuclear medicine therapy. Reviewed by Wilson GA. Radiology 1988; 166: 756
- Harrigan P; Lee R, principles of interpretation in echocardiography. Reviewed by Martin JF. Radiology 1986; 160: 716
- Harris JH Jr; Edeiken-Monroe B, radiology of acute cervical spine trauma. 2d edition. Reviewed by Bohrer SP. Radiology 1987; 165: 170
- Hawthorne MR; Num R, self assessment in radiology 1: ear, nose, and throat. Reviewed by Costello P. Radiology 1986; 160: 484
- Hayaishi O; Torizuka K, biomedical imaging. Reviewed by Capusten BM. Radiology 1987; 163: 644
- Hayden CK Jr; Swischuk LE, eds, pediatric ultrasonography. Reviewed by Alton D. Radiology 1987; 165: 470
- Heiken JP; Glazer HS; Lee JKT; Murphy WA; Gado M, manual of clinical magnetic resonance imaging. Reviewed by Griffiths HJ. Radiology 1986; 160: 226
- Heimans JJ; Valk J; Lohman AHM, angiographic anatomy of the anterior inferior cerebellar artery. Reviewed by Griffiths HJ. Radiology 1986; 158: 706
- Heiss W-D; Beil C; Herholz K; Pavlik G; Wagner R; Wienhard K, atlas of positron emission tomography of the brain. Reviewed by Garnett ES. Radiology 1986; 159: 598
- Hendee WR, ed, selection and performance of radiologic equipment. Reviewed by Roberts JW Jr. Radiology 1986; 161: 256
- Henkelman RM; Bronskill MJ, informational review of artifacts in magnetic resonance imaging. Reviewed by Griffiths HJL. Radiology 1988; 167: 104
- Hermine CL, radiology of liver circulation. Reviewed by Jones M. Radiology 1986; 161: 690
- Heuck F; Scherer E, eds, strahlengefährdung und strahlenschutz/radiation exposure and radiation protection. vol. 20 of handbuch der medizinischen radiologie/encyclopedia of medical radiology. Reviewed by Blickman JG. Radiology 1986; 160: 576
- Heuck FHW; Donner MW, radiology today. vol. 4. Reviewed by Capusten BM. Radiology 1988; 169: 10
- Higgins CB; Hricak H, magnetic resonance imaging of the body. Reviewed by Griffiths HJ. Radiology 1988; 168: 456
- Hoffer PB; Gore JC; Gottschalk A; Sostman D; Zaret BL, eds, 1986 yearbook of nuclear medicine. Reviewed by Newmark H III. Radiology 1987; 164: 568
- Hoffer PB; Gore JC; Gottschalk A; Sostman D; Zaret BL, eds, 1987 year book of nuclear medicine. Reviewed by Capusten BM. Radiology 1988; 166: 760
- Holm HH; Kristensen JK, eds, interventional ultrasound. Reviewed by Gerlock AJ Jr. Radiology 1986; 159: 630
- Holm T; Palmer PES; Lehtinen E, W.H.O basic radiological system: manual of radiographic technique. Reviewed by Henry G. Radiology 1987; 164: 42
- Holman BL, ed, radionuclide imaging of the brain. Reviewed by Sarwar M. Radiology 1986; 159: 164
- Hope-Stone HF, ed, radiotherapy in clinical practice. Reviewed by Steinfeld AD. Radiology 1987; 165: 666
- Hoph M-A; Bydder GM, eds, magnetic resonance imaging and spectroscopy. Reviewed by Hamlin DJ. Radiology 1986; 160: 786
- House JW; O'Connor AF, eds, handbook of neurological diagnosis. Reviewed by Unger JM. Radiology 1988; 166: 422
- Hricak H, ed, genitourinary ultrasound. Reviewed by Spataro RF. Radiology 1987; 162: 678
- Huang HK, elements of digital radiology. Reviewed by Martin DS. Radiology 1988; 167: 134
- Hudson TM, radiologic-pathologic correlation of musculoskeletal lesions. Reviewed by El-Khoury GY. Radiology 1988; 168: 18
- Hundeshagen H, ed, nuklearmedizin—diagnostik II/nuclear medicine—diagnostic II. vol. 15, pt. 3 of handbuch der medizinischen radiologie/encyclopedia of medical radiology. Reviewed by Bisset GS III; Oestreich AE. Radiology 1986; 159: 484
- Hunter TB, computer in radiology. Reviewed by Martin DS. Radiology 1986; 160: 674
- Hykes DL; Hedrick WR; Starchman DE, ultrasound physics and instrumentation. Reviewed by Capusten BM. Radiology 1986; 159: 544
- Iio M; Wagner HN Jr, eds, geriatric nuclear medicine. Reviewed by Fisher MF. Radiology 1986; 158: 62
- Immenkamp M; Kogelnik HD; Kotz R; Lechner G; Müller K; Salzer M; Salzer-Kuntschik M; Weber U, tumoren und tumorähnliche erkrankungen (tumors and tumorlike conditions). pt. 2 of vol. 3. allgemeine orthopädie (general orthopedics) orthopädie in praxis und klinik (orthopedics in clinical practice). 2d ed. Reviewed by Oestreich AE. Radiology 1986; 159: 470
- International Commission on Radiological Protection, protection of the patient in radiation therapy. Reviewed by Griffiths HJ. Radiology 1986; 159: 678
- ionizing radiation exposure of the population of the United States. NCRP report no. 93. Reviewed by Griffiths HJ. Radiology 1988; 168: 24
- Isaacson G; Mintz MC; Crelin ES, atlas of fetal sectional anatomy with ultrasound and magnetic resonance. Reviewed by Toi A. Radiology 1987; 164: 368
- Ischinger T, practice of coronary angioplasty. Reviewed by Martin DS. Radiology 1986; 161: 680
- Iskandrian AS, nuclear cardiac imaging: principles and applications. Reviewed by Houle S. Radiology 1987; 164: 140
- Jackson SM, radiation oncology. Reviewed by Steinfeld AD. Radiology 1986; 159: 800
- Jacobs C; McGuire WL, eds, cancers of the head and neck. Reviewed by Yu A. Radiology 1988; 167: 724
- Jacobs ER, ed, medical imaging: a concise textbook. Reviewed by Salonen DC. Radiology 1988; 168: 698
- Jacobson A; Caulfield PW, introduction to radiographic cephalometry. Reviewed by Cacciotti LR. Radiology 1986; 161: 68
- Jaffe CC, ed, vascular and Doppler ultrasound. Reviewed by Menanteau BP. Radiology 1986; 158: 480
- James AE Jr; Anderson JH; Higgins CB, digital image processing in radiology. Reviewed by Shaw C-G. Radiology 1986; 160: 124
- Jang DG, ed, angioplasty. Reviewed by Martin DS. Radiology 1986; 161: 680
- Jeanmart L, ed, radiology of the spine: tumors. Reviewed by Smith J. Radiology 1987; 162: 270
- Jones RR; Southwood R, eds, radiation and health. Reviewed by Griffiths HJ. Radiology 1988; 169: 510
- Kadir S, diagnostic angiography. Reviewed by Sniderman KW. Radiology 1987; 164: 844
- Kalifa G, ed, pediatric ultrasonography. Reviewed by Oestreich AE. Radiology 1986; 160: 506
- Kase KR; Bjarnard BE; Attix FH, dosimetry of ionizing radiation. vol. 2. Reviewed by Barish RJ. Radiology 1988; 168: 370
- Kassner EG, ed, iatrogenic disorders of the fetus, infant, and child. vol. 2. Reviewed by Slovis TL. Radiology 1986; 159: 768
- Kathren RL; Baalman RW; Bair WJ, eds, Herbert M. Parker: publications and other contributions to radiological and health physics. Reviewed by Griffiths HJ. Radiology 1987; 163: 352
- Kaufman HJ, ed, contrast media in pediatric radiology. Reviewed by Capusten BM. Radiology 1988; 167: 720
- Kean D; Smith M, magnetic resonance imaging: principles and applications. Reviewed by Jones M. Radiology 1987; 162: 72
- Kelsey CA, essentials of radiology physics. Reviewed by Listinsky JJ. Radiology 1986; 160: 542
- Kelvin FM; Gardiner R, clinical imaging of the colon and rectum. Reviewed by Ho C-S. Radiology 1987; 165: 44
- Kim EE; Haynie TP, nuclear diagnostic imaging. Reviewed by O'Mara RE. Radiology 1988; 166: 346
- Knezevic S; Maximilian VA, handbook of regional cerebral blood flow. Reviewed by Capusten BM. Radiology 1988; 168: 780

- Korneluk GN, practice enhancement: physician's guide to success in private practice. Reviewed by Chick BE, Radiology 1986; 159: 200
- Koss LG, tumors of the urinary bladder (supplement), 2d ser., fasc. 11. Reviewed by Griffiths HJ, Radiology 1986; 159: 442
- Kressel HY, magnetic resonance annual 1988, Reviewed by Gerlock AJ Jr, Radiology 1988; 169: 764
- Kretschmann H-J; Weinrich W, neuroanatomy and cranial computed tomography, Reviewed by Ekholm SE, Radiology 1988; 168: 794
- Kricun ME, ed, imaging modalities in spinal disorders, Reviewed by Lambert RGW, Radiology 1988; 167: 748
- Kricun R; Kricun ME, computed tomography of the spine: diagnostic exercises, Reviewed by Berens DL, Radiology 1987; 165: 64
- Labovitz AJ; Williams GA, Doppler echocardiography: quantitative methods of pulsed and continuous wave cardiac Doppler, Reviewed by Martin JF, Radiology 1986; 160: 520
- Labovitz AJ; Williams GA, Doppler echocardiography: the quantitative approach, 2d ed, Reviewed by Newmark H III, Radiology 1988; 169: 98
- Lamarque J-L, atlas of the breast: clinical radiodiagnosis, Reviewed by Homer MJ, Radiology 1986; 159: 70
- Landau SL, ed, international dictionary of medicine and biology, 3 vols., Reviewed by DeLibero BB; Norder A; Griffiths HJ, Radiology 1986; 160: 606
- Landay MJ, interpretations of the chest roentgenogram, Reviewed by Sanders DE, Radiology 1987; 164: 500
- Lang EK, percutaneous and interventional urology and radiology, Reviewed by Rodrigues PRD, Radiology 1987; 163: 654
- Lange S, techniques and indications in radiology: kidney and urinary tract, Reviewed by Amendola MA, Radiology 1988; 168: 402
- Langlotz M, lumbar myelography with water-soluble contrast media, Reviewed by McClarty B, Radiology 1988; 167: 166
- Lanyi M, diagnostik und differentialdiagnostik der mammavaskulaturen (diagnosis and differential diagnosis of breast calcifications), Reviewed by Rusch O, Radiology 1987; 165: 94
- Lanyi M, diagnosis and differential diagnosis of breast calcifications, Reviewed by Sanders DE, Radiology 1988; 168: 660
- Lasjaunais P; Berenstein A, eds, surgical neuroangiography, vol. 1, functional anatomy of craniofacial arteries, Reviewed by McClarty B, Radiology 1988; 167: 280
- Laszlo J, ed, physician's guide to cancer care complications, fundamentals of cancer management series, Reviewed by Steinfield AD, Radiology 1987; 163: 430
- Lau LSW; DeCampo JF, notes on radiological diagnosis, 2d ed., Reviewed by Fischer HW, Radiology 1986; 160: 90
- Lee F; McCleary RD, eds, use of transrectal ultrasound in the diagnosis and management of prostate cancer, vol. 237, progress in clinical and biological research, Reviewed by Listinsky JJ, Radiology 1988; 169: 366
- Lee SH; Rao KCVG, cranial computed tomography and MRI, 2d ed., Reviewed by Martin DS, Radiology 1987; 165: 618
- Lemke HU; Jaffee CC; Felix R, eds, computer assisted radiology, Reviewed by Martin DS, Radiology 1986; 159: 186
- Lemke HU; Rhodes ML; Jaffee CC; Felix R, eds, computer assisted radiology, Reviewed by Martin DS, Radiology 1988; 168: 750
- Letourneau JJ; Elyaderani MK; Castaneda-Zuniga WR, percutaneous biopsy, aspiration and drainage, Reviewed by Common AA, Radiology 1988; 166: 104
- Levy RC; Hawkins H; Barsan WG, radiology in emergency medicine, Reviewed by Hughes JJ, Radiology 1988; 166: 164
- Lillington GA, diagnostic approach to chest diseases: differential diagnosis based on roentgenographic patterns, 3d ed., Reviewed by Bohrer SP; Choplin RH, Radiology 1987; 165: 730
- Lock JE; Keane JF, diagnostic and interventional catheterization in congenital heart disease, Reviewed by Stolberg HO, Radiology 1988; 168: 108
- Luska G; Seger W, eds, bildgebende verfahren in der diagnostik von gallenwegserkrankungen (imaging modalities in diagnostic radiology of diseases affecting the gallbladder), Reviewed by Blickman JG, Radiology 1986; 158: 108
- Lutman M; Lufkin RB; Girelli G, la tomografia computerizzata e la risonanza magnetica nelle neoplasie maligne della laringe (CT and MR of malignant tumors of the larynx), Reviewed by Oestreich AE, Radiology 1988; 167: 92
- Luzzatti G; Tonegutti M, eds, l'imaging senologico-metodiche e scelte (breast imaging-methodology and selection), Reviewed by Oestreich AE, Radiology 1987; 164: 790
- Maatman G, high-resolution computed tomography of the paranasal sinuses, pharynx and related regions: impact of CT identification on diagnosis and patient management, Reviewed by Unger JM, Radiology 1987; 165: 344
- McCaughy WTE; Kannerstein M; Chung J, tumors and pseudotumors of the serous membranes, 2d ser., fasc. 20, Reviewed by Griffiths HJ, Radiology 1986; 159: 354
- McCready VR; Leach M; Eli PJ, eds, functional studies using NMR, Reviewed by Listinsky JJ, Radiology 1988; 166: 894
- McDonald CJ, M.D. computing: benchmark papers, images, signals, and devices, Reviewed by Martin DS, Radiology 1988; 168: 638
- McGahan JP, ed, clinics in diagnostic ultrasound: controversies in ultrasound, vol. 19, Reviewed by Capusten BM, Radiology 1987; 165: 10
- McKenzie AL; Shaw JE; Stephenson SK; Turner PC, radiation protection in radiotherapy, Reviewed by Barish RJ, Radiology 1987; 163: 818
- McNeil BJ; Abrams HL; Brigham and Women's Hospital handbook of diagnostic imaging, Reviewed by Griffiths HJ, Radiology 1986; 161: 400
- McWhirter WR; Masel JP, pediatric oncology: an illustrated introduction, Reviewed by Ey EH, Radiology 1988; 169: 704
- Maklad NF, ed, ultrasound in perinatology, Reviewed by Tol A, Radiology 1987; 163: 148
- Mancuso AA; Hanafey WN, computed tomography and magnetic resonance imaging of the head and neck, 2d ed., Reviewed by Hammerschlag SB, Radiology 1986; 159: 584
- Margulis AR; Gooding CA, eds, diagnostic radiology 1987, Reviewed by Martin DS, Radiology 1988; 167: 76
- Marzano KM; Lyons PD, complete review of radiography, Reviewed by Bennell C, Radiology 1987; 163: 10
- Mears DC; Rubash HE, pelvic and acetabular fractures, Reviewed by Bechtold RE, Radiology 1986; 161: 814
- Megibow AJ; Balthazar EJ, eds, computed tomography of the gastrointestinal tract, Reviewed by Olmsted WW, Radiology 1987; 165: 414
- Megret M, computed tomography of the cranial skeleton (face and skull), Reviewed by Smith RML, Radiology 1987; 164: 58
- Meira HB; Dewbury KC; Cosgrove DO, ultrasound teaching cases, 2d ed, Reviewed by Newmark H III, Radiology 1988; 169: 648
- Meschan I, roentgen signs in diagnostic imaging, 2d ed, vol. 2, appendicular skeleton, Reviewed by VanZandt TF, Radiology 1986; 158: 678
- Meschan I; Farrer-Meschan RM, roentgen signs in diagnostic imaging, 2d ed, vol. 3, spine and central nervous system, Reviewed by VanZandt TF, Radiology 1986; 161: 30
- Meschan I, roentgen signs in diagnostic imaging, 2d ed, vol. 4, the chest, Reviewed by Malamed D, Radiology 1988; 167: 672
- Mettler FA Jr; Guiberteau MJ, essentials of nuclear medicine imaging, Reviewed by Merlo RB, Radiology 1986; 160: 548
- Mettler FA Jr; Muroff LR; Kulkarni MV, magnetic resonance imaging and spectroscopy, Reviewed by Virtama P, Radiology 1987; 164: 822
- Mettler FA Jr, ed, radionuclide bone imaging and densitometry, Reviewed by Bohrer SP; Watson NE, Radiology 1988; 168: 546
- Meyers MA, ed, computed tomography of the gastrointestinal tract including the peritoneal cavity and mesentery, Reviewed by Weiss SL, Radiology 1987; 163: 32
- Michelin J, atlas d'ecographie mammaire et de mammographie (atlas of breast ultrasound and mammography), 2d ed., Reviewed by Oestreich AE, Radiology 1986; 161: 428
- Miller AB, ed, screening for cancer, Reviewed by Steinfield AD, Radiology 1986; 159: 32
- Miller JH; White L, eds, imaging in pediatric oncology, Reviewed by Kuhns LR, Radiology 1986; 158: 236
- Mink JH; Reicher MA; Crues JV III, magnetic resonance imaging of the knee, Reviewed by Young JWR, Radiology 1988; 168: 6
- Mittelstaedt CA; Vincent LM, abdominal ultrasound, Reviewed by Cohen HL, Radiology 1987; 165: 720
- Moffett BC, ed, diagnosis of internal derangements of the temporomandibular joint, vol. 1, double-contrast arthrography and clinical correlation, Reviewed by Katzberg R, Radiology 1986; 160: 430
- Monnier J-P; Tubiana J-M, le poumon (the lung), vol. 3 of cahiers de radiologie (notebooks of radiology), Reviewed by Azouz EM, Radiology 1986; 159: 400
- Montagne J; Chevrot A; Galmiche J-M, atlas de radiologie du pied (atlas of foot radiology), 2d ed., Reviewed by Kraus R, Radiology 1986; 158: 132
- Montagne J-P; Couture A, eds, tomodesintometrie pediatrique (pediatric CT), Reviewed by Oestreich AE, Radiology 1988; 167: 316
- Morgan CJ; Hendee WR, introduction to magnetic resonance imaging, Reviewed by Shippel A, Radiology 1986; 160: 594
- Moseley I, diagnostic imaging in neurological disease, Reviewed by Hopper KD, Radiology 1988; 167: 20
- Mould RF, radiotherapy treatment planning, 2d ed., Reviewed by Kadish SP, Radiology 1986; 159: 222
- Mould RF, ed, computers in radiotherapy and oncology, Reviewed by Kagan AR, Radiology 1986; 158: 530
- Murphy CH; Murphy MR, radiology for anesthesia and critical care, Reviewed by Doris CI; Manson DE, Radiology 1988; 168: 384
- Naidich TP; Quencer RM, eds, clinical neurosonography: ultrasound of the central nervous system, Reviewed by Hopper KD, Radiology 1987; 165: 370
- Nanda NC, case studies in color coded Doppler echocardiography, Reviewed by Martin JF, Radiology 1987; 162: 468
- Nanda NC, ed, Doppler echocardiography, Reviewed by Menanteau BP, Radiology 1986; 159: 146
- National Council on Radiation Protection and Measurements 1985, general concepts for the dosimetry of internally deposited radionuclides, report no. 84, Reviewed by Griffiths HJ, Radiology 1986; 160: 254
- National Council on Radiation Protection and Measurements, carbon-14 in the environment, report 81, Reviewed by Griffiths HJ, Radiology 1986; 158: 162
- National Council on Radiation Protection and Measurements, SI units in radiation protection and measurements, report no. 82, Reviewed by Griffiths HJ, Radiology 1986; 159: 678
- National Council on Radiation Protection and Measurements, some issues important in developing basic radiation protection recommendations, report no. 6, Reviewed by Griffiths HJ, Radiology 1986; 160: 98
- National Institutes of Health Consensus Developments, cancer treatment symposia, vol. 3, Reviewed by Griffiths HJ, Radiology 1986; 161: 610
- Neuwelt EA, ed, diagnosis and treatment of pineal region tumors, Reviewed by Ekholm S, Radiology 1986; 161: 600
- Nori D; Hilaris BS, eds, radiation therapy of gynecological cancer, Reviewed by Steinfield AD, Radiology 1987; 165: 84
- Oestreich AE; Crawford AH, atlas of pediatric orthopedic radiology, Reviewed by Johnson ND, Radiology 1986; 161: 358

- Ogden JA, pocket guide to pediatric fractures. Reviewed by Alton DJ, Radiology 1988; 168: 146
- Omoto R, color atlas of real-time two-dimensional Doppler echocardiography. Reviewed by Capusten BM, Radiology 1987; 165: 686
- Omoto R, ed, color atlas of real-time two-dimensional Doppler echocardiography. Reviewed by Martin JF, Radiology 1986; 161: 164
- O'Reilly PH; Shields RA; Testa HJ, eds, nuclear medicine in urology and nephrology. 2d ed., Reviewed by Houle S, Radiology 1987; 164: 106
- Ott DJ; Wu WC, ed, polypoid disease of the colon: emphasis on radiologic evaluation. Reviewed by Olmsted WW, Radiology 1987; 163: 38
- Ott RC; Wellauer J, ultrasound-guided biopsy and drainage. Reviewed by Toi A, Radiology 1987; 163: 140
- Otto RC; Wellauer J, ultraschallgefuhrte biopsie (ultrasound-guided biopsy). Reviewed by Oestreich AE, Radiology 1986; 158: 764
- Otto RJ; Higgins CB, eds, new developments in imaging: sonography, cine-CT, MRI. Reviewed by Griffiths HJ, Radiology 1987; 163: 344
- Palmer PES; Cockhott WP; Hegedus V; Samuel E, WHO basic radiological system: manual of radiographic interpretation for general practitioners. Reviewed by Jacobs J, Radiology 1986; 161: 696
- Pansini A; Conti P, angiographic diagnosis of supratentorial cerebral tumours (compared with CT scan). Reviewed by Burke R, Radiology 1986; 161: 76
- Park WM; Hughes SP, orthopaedic radiology. Reviewed by Bohrer SP, Radiology 1988; 169: 386
- Patel PR, multiple choice questions in radiology. Reviewed by Magagna LS, Radiology 1987; 162: 82
- Pavlov H; Torg JS, running athlete: roentgenograms and remedies. Reviewed by Virtama P, Radiology 1988; 167: 456
- Perez CA; Brady LW, eds, principles and practice of radiation oncology. Reviewed by Steinfeld AD, Radiology 1988; 167: 612
- Perloff JK, clinical recognition of congenital heart disease. 3d ed., Reviewed by Stolberg HO, Radiology 1988; 166: 678
- Peters H; Deeg K-H; Weitzel D, die ultraschalluntersuchung des kindes (ultrasound diagnosis of the child). Reviewed by Oestreich AE, Radiology 1988; 169: 394
- Pettersson H; Gilbert MS, diagnostic imaging in hemophilia. Reviewed by Bohrer SP, Radiology 1986; 158: 308
- Pettersson H, radiologic management of musculoskeletal tumors. Reviewed by Springfield DS; Enneking WF; Roe LR, Radiology 1987; 165: 742
- Piroth H-D, ed, spezielle strahlentherapie maligner tumoren (radiation therapy of malignant tumours). pt. 6 of vol. 19 of handbuch der medizinischen radiologie (encyclopedia of medical radiology). Reviewed by Gahbauer RA, Radiology 1986; 161: 302
- Pirschel J; Hubner K-H, eds, radiologische diagnostik und strahlentherapie maligner lymphome (radiologic diagnosis and radiation therapy of malignant lymphomas). Reviewed by Gahbauer RA, Radiology 1987; 164: 648
- Pistolesi GF; Thiene G; Casolo F, eds, l'imaging diagnostico del cuore (diagnostic imaging of the heart). 2 vols., Reviewed by Oestreich AE, Radiology 1986; 160: 250
- Plets C; Baert AL; Nijls GL; Wilms G, CT imaging and anatomic correlation of the human brain. Reviewed by Hopper KD, Radiology 1988; 167: 54
- Pohost GM; Higgins CB; Morganroth J; Ritchie JL; Schelbert HR, eds, new concepts in cardiac imaging 1987. Reviewed by Doris CL, Radiology 1988; 166: 142
- Pollak EW, ed, thoracic outlet syndrome: diagnosis and treatment. Reviewed by Griffiths HJ, Radiology 1987; 162: 644
- Porath S, multimodality approach to breast imaging. Reviewed by Sanders DE, Radiology 1987; 165: 138
- Post M, shoulder: surgical and nonsurgical management. 2d ed., Reviewed by Cope R, Radiology 1988; 169: 338
- practical approach to modern imaging equipment. 2d ed., Thompson TT; Gustafson RB, Radiology 1986; 159: 180
- Putman CE; Ravin CE, eds, textbook of diagnostic imaging. 3 vols., Reviewed by Engeler CE, Radiology 1988; 169: 548
- Rabinov K; Weber AL, radiology of the salivary glands. Reviewed by Martin DS, Radiology 1986; 159: 46
- Rakofsky M, fractional arthrography of the shoulder. Reviewed by Lambert RGW, Radiology 1988; 169: 608
- Ramsey RG, neuroradiology. 2d ed., Reviewed by McClarty B, Radiology 1987; 164: 798
- Raval B; Yeakley J; Harris JH Jr, normal anatomy for multiplanar imaging. 2 vols., Reviewed by DeMarino GB, Radiology 1988; 167: 656
- Reiber JHC; Serruys PW; Slager CJ, quantitative coronary and left ventricular cineangiography. Reviewed by Chambers RJ, Radiology 1987; 164: 698
- Reiber JHC; Serruys PW, eds, state of the art in quantitative coronary arteriography. Reviewed by Chambers RJ, Radiology 1988; 166: 592
- Reihle RA Jr; Newman RC, eds, principles of extracorporeal shock wave lithotripsy. Reviewed by Woods E, Radiology 1988; 168: 126
- Resnick D; Niwayama G, diagnosis of bone and joint disorders. 2d ed., Reviewed by Becker EJ; Lambert RGW, Radiology 1988; 169: 670
- Rifkin MD, diagnostic imaging of the lower genitourinary tract. Reviewed by Curry NS, Radiology 1986; 158: 366
- Rifkin MD; Waldroup L, pocket atlas of normal ultrasound anatomy. Reviewed by Greer T, Radiology 1986; 160: 48
- Rodiek S-O, CT-MR-tomographie und MR-spektroskopie bei neuromuskulären erkrankungen (CT, MR tomography and MR spectroscopy in neuromuscular diseases). Reviewed by Oestreich AE, Radiology 1988; 169: 772
- Rohen JW; Yokochi C, color atlas of anatomy: photographic study of the human body. Reviewed by Jones M, Radiology 1987; 162: 96
- Rosenberger A; Bojsen E, eds, radiology in war. Reviewed by Griffiths HJ, Radiology 1988; 168: 868
- Rossetti G, double contrast radiology of the esophagus. Reviewed by Olmsted WW, Radiology 1986; 159: 64
- Rothman SLG; Glenn WV Jr, multiplanar CT of the spine. Reviewed by Sundaram M, Radiology 1987; 164: 92
- Rowe NL; Williams JLI, eds, maxillofacial injuries. 2 vols., Reviewed by Robinson KE, Radiology 1986; 160: 206
- Ruenes R; De la Cruz A, otologic radiology with clinical correlations. Reviewed by Robinson KE, Radiology 1986; 161: 376
- Runge M, bones and joints: 170 radiological exercises for students and practitioners. Reviewed by Lambert RGW, Radiology 1988; 166: 720
- Sakuma S; Ishigaki T; et al, diagnostic imaging of the liver, biliary tract and pancreas. Reviewed by Gerlock AJ Jr, Radiology 1988; 169: 404
- Salcedo E, atlas of echocardiography. 2d ed., Reviewed by Martin JF, Radiology 1986; 161: 216
- Sanders RC; James AE Jr, eds, principles and practice of ultrasonography in obstetrics and gynecology. 3d ed., Reviewed by Toi A, Radiology 1986; 159: 106
- Sanders RC; Hill MC, eds, ultrasound annual, 1986. Reviewed by Martin DS, Radiology 1987; 163: 366
- Sanders RC, atlas of ultrasonographic artifacts and variants. Reviewed by Capusten BM, Radiology 1987; 163: 624
- Sandler MP; Patton JA; Partain CL, thyroid and parathyroid imaging. Reviewed by Martin DS, Radiology 1986; 160: 368
- Sauerbrei EE, practical guide to ultrasound in obstetrics and gynecology. Reviewed by Menanteau BP, Radiology 1988; 167: 58
- Sauvegrain J, ed, annales de radiologie, Vol. 28 (no. 6). index 1983-1984 of European radiological journals. Reviewed by Eyler WR, Radiology 1986; 159: 342
- Sauvegrain J, ed, index of European radiological journals 1985-1987. Reviewed by Oestreich AE, Radiology 1988; 169: 824
- Scarantino CW, ed, lung cancer: diagnostic procedures and therapeutic management—with special reference to radiotherapy. Reviewed by Wandtke JC, Radiology 1986; 159: 652
- Schiller KFR; Cockel R; Hunt RH, color atlas of gastrointestinal endoscopy. Reviewed by Ho C-S, Radiology 1988; 168: 120
- Schmitt O, skollsefrubehandlung durch elektrostimulation (early treatment of scoliosis by electric stimulation of muscle). Reviewed by Oestreich AE, Radiology 1986; 160: 276
- Schultz E, computertomographie-verfahren: transmissions-, emissions-, magnetresonanzt-CT, physik, technik und medizinische perspektiven (computed tomographic methods: transmission, emission, and magnetic resonance CT. physics, techniques and medical perspectives. Reviewed by Wojtowycz M, Radiology 1986; 161: 526
- Schwarz MI; King TE Jr, eds, interstitial lung disease. Reviewed by Wandtke JC, Radiology 1988; 167: 716
- Scientific Committee 53, biological effects and exposure criteria for radiofrequency electromagnetic fields. NCRP report no. 86. Reviewed by Osepchuk JM, Radiology 1987; 163: 480
- Scott WW; Magid D; Fishman EK, eds, contemporary issues in computed tomography: computed tomography of the musculoskeletal system. vol. 8. Reviewed by Becker E, Radiology 1987; 165: 24
- Seeram E, x-ray imaging equipment: introduction. Reviewed by Roberts JW Jr, Radiology 1986; 161: 52
- Selman J, fundamentals of x-ray and radium physics. 7th ed., Reviewed by Capusten BM, Radiology 1986; 161: 22
- Senac JP; Giron J, eds, imagerie moderne (angiographie numerisee, T.D.M., I.R.M., radiologie d'intervention) du coeur et des vaisseaux (visceres et membres) [modern imaging (digital angiography, C.T., M.R.I., interventional radiology) of the heart and great vessels (visceral and extremities)]. Reviewed by Kraus RA, Radiology 1988; 168: 136
- Shah PM; Vijayaraghavan G; Singham KT, Doppler echocardiography: practical manual. Reviewed by Capusten BM, Radiology 1986; 159: 152
- Shearer DR, ed, recent advances in brachytherapy physics. Reviewed by Goffinet DR, Radiology 1986; 158: 210
- Siddiqui AR, nuclear imaging in pediatrics. Reviewed by Gainey MA, Radiology 1986; 161: 468
- Sider L, ed, introduction to diagnostic imaging. Reviewed by Malamed D, Radiology 1987; 163: 122
- Sigel B, ed, diagnostic patient studies in surgery. Reviewed by Coldwell DM, Radiology 1987; 162: 352
- Silver MD; Butany J, mechanical heart valves: methods of examination, complications, and modes of failure. Reviewed by Arnold RE, Radiology 1988; 166: 124
- Silverman FN, ed, Caffey's pediatric x-ray diagnosis. integrated imaging approach. 2 vols., Reviewed by Wood BP, Radiology 1986; 158: 498
- Simon H; Schoop W, eds, diagnostik in der kardiologie und angiologie (diagnosis in cardiology and vascular diseases). Reviewed by Rusch O, Radiology 1987; 162: 90
- Skolnick ML, guide to the ultrasound examination of the abdomen. Reviewed by Minuk CF, Radiology 1987; 164: 14
- Skucas J; Spataro RF, radiology of the acute abdomen. Reviewed by Curtis DJ, Radiology 1987; 164: 36
- Sokoloff L, ed, brain imaging and brain function. Reviewed by Holland BA, Radiology 1986; 158: 430
- Soubeyrand J; Leonetti P; Moncany G, pathologie africaine: médecine interne et échographie (pathology of diseases of Africa: internal medicine and ultrasound imaging). Reviewed by Jaramillo D, Radiology 1987; 162: 442
- Southern PA; Powis G, free radicals in medicine. I. chemical nature and biologic reactions. II. involvement in human disease. Reviewed by Harmon SP, Radiology 1988; 168: 738

- Sovak M, ed, radiocontrast agents, Reviewed by Ekholm S, Radiology 1986; 158: 516
- Spechler SJ; Goyal RK, eds, Barrett's esophagus—pathophysiology, diagnosis, and management, Reviewed by Olmsted WW, Radiology 1986; 158: 604
- Spencer MP, ed, ultrasonic diagnosis of cerebrovascular disease, Reviewed by Newmark H III, Radiology 1988; 167: 120
- Sperber M; Kaiser MC, magnetic resonance imaging of the thorax, Reviewed by Hopper KD, Radiology 1988; 168: 608
- Spirit BA; Gordon LP; Oliphant M, prenatal ultrasound: a color atlas with anatomic and pathologic correlation, Reviewed by Cullinan JA, Radiology 1988; 168: 388
- Staudach A, fetale anatomie im ultraschall (fetal anatomy on ultrasound), Reviewed by Oestreich AE, Radiology 1987; 164: 810
- Steiner RE; Sherwood T, eds, recent advances in radiology and medical imaging, Reviewed by Griffiths HJ, Radiology 1987; 163: 574
- Stoll B, ed, cancer treatment: end-point evaluation, Reviewed by Constine LS, Radiology 1986; 158: 832
- Sutton D, ed, textbook of radiology and imaging, 4th ed, 2 vols., Reviewed by Wadden NAT, Radiology 1988; 167: 348
- Swartz JD, imaging of the temporal bone, Reviewed by Unger JM, Radiology 1987; 163: 696
- Swischuk LE, emergency radiology of the acutely ill or injured child, 2d ed., Reviewed by Ozonoff MB, Radiology 1986; 160: 496
- Swischuk LE; Sapire DW, basic imaging in congenital heart disease, Reviewed by Zelovitsky JL, Radiology 1987; 163: 696
- Task Group of Committee 2 of the International radiation dose to patients from radiopharmaceuticals, ICRP publication 53, Reviewed by Griffiths HJ, Radiology 1988; 169: 652
- Tauxe WN; Dubovsky EV, nuclear medicine in clinical urology and nephrology, Reviewed by Fisher MF, Radiology 1986; 159: 736
- Teot L; Deschamps F, eds, atlas d'échographie de la hanche dans la première année de la vie (atlas of ultrasound of the hip in the first year of life), Reviewed by Oestreich AE, Radiology 1988; 167: 752
- Thiemann H-H; Nitzl I, röntgenatlas der normalen hand in kindesalter (roentgen atlas of the normal hand in childhood), Reviewed by Oestreich AE, Radiology 1988; 168: 516
- Thijn CJP, radiology of the hand, Reviewed by Cockshott WP, Radiology 1986; 161: 474
- Thomas SR; Dixon RL, NMR in medicine: instrumentation and clinical applications, Reviewed by Bronskill MJ, Radiology 1987; 164: 198
- Thrall JH; Swanson DP, diagnostic interventions in nuclear medicine, Reviewed by Weiss PE, Radiology 1986; 158: 124
- Thurn P, ed, harnsystem und männliche genitalorgane, nebennieren, retroperitonealraum—gynakologie und geburtshilfe—lymphsystem (urinary tract, male genitalia, adrenals, retroperitoneum; obstetrics and gynecology; lymphatic system), Reviewed by Oestreich AE, Radiology 1986; 158: 392
- Tilkian AG; Daily EK, cardiovascular procedures/diagnostic techniques and therapeutic procedures, Reviewed by Newmark H III, Radiology 1987; 164: 622
- Toombs BD; Sandler CM, computed tomography in trauma, Reviewed by Virtama P, Radiology 1987; 164: 338
- Topol EJ, ed, acute coronary intervention, Reviewed by Adey CK, Radiology 1988; 169: 116
- Trenta A; Pavlica P; Stasi G; Tonti R; Viglietta G, diagnostic ultrasound of the lower abdomen, Reviewed by Bisker J, Radiology 1986; 158: 342
- Troupin RH, diagnostic imaging in clinical medicine, 3d ed., Reviewed by Cuttino JT Jr, Radiology 1986; 158: 778
- Vaeth JM; Meyer J, eds, cancer and the elderly, Reviewed by Steinfeld AD, Radiology 1986; 161: 656
- Vaeth JM; Meyer J, eds, treatment planning in the radiation therapy of cancer, Reviewed by Steinfeld AD, Radiology 1988; 167: 678
- Valk J; MacLean C; Algra PR, basic principles of nuclear magnetic resonance imaging, Reviewed by Miller TL, Radiology 1987; 162: 78
- van Breda A; Katzen BT, digital subtraction angiography: practical aspects, Reviewed by Gerlock AJ Jr, Radiology 1986; 161: 544
- van Mill GJ; Moulart AJ; Harinck E, atlas of two-dimensional echocardiography in congenital cardiac defects, Reviewed by Doris CI, Radiology 1988; 166: 656
- van Sonnenberg E, ed, clinics in diagnostic ultrasound, vol. 21, interventional ultrasound, Reviewed by Capusten BM, Radiology 1987; 165: 382
- Vasile N, ed, tomodensitometrie corps entier (computed tomography of the body), Reviewed by Brody AS, Radiology 1986; 158: 694
- Veiga-Pires JA; Grainger RG, eds, pioneers in angiography: the Portuguese School of Angiography, 2d ed, Reviewed by Benton C, Radiology 1988; 169: 634
- Vergesslich KA, die hämodynamik des portalkreislaufes bei kindern—eine analyse mittels duplex-sonographie (hemodynamics of the pediatric portal venous system—an analysis using duplex-sonography), Reviewed by Oestreich AE, Radiology 1988; 167: 114
- Vignaud J; Jardin C; Rosen L, ear: diagnostic imaging, Reviewed by Martin DS, Radiology 1987; 163: 410
- Virmani R; Atkinson JB; Forman MB, mitral valve prolapse, Reviewed by Davis M, Radiology 1988; 166: 650
- Vogel H, masse in der sonographie und computer-tomographie (measurement in ultrasound and CT), Reviewed by Oestreich AE, Radiology 1987; 165: 34
- Vogler JB; Helms CA; Callen PW, normal variants and pitfalls in imaging, Reviewed by Martin DS, Radiology 1987; 163: 380
- von Torklus D; Gehle W, die obere halswirbelsäule—regionale morphologie, pathologie und traumatologie; praktischer röntgenatlas und systematik (the upper cervical spine—regional morphology, pathology and traumatology; practical imaging atlas and systematic review), 3d ed., Reviewed by Oestreich AE, Radiology 1988; 168: 80
- Wackenheim A, cervico-occipital joint (RX, CT), Reviewed by Simon J, Radiology 1986; 161: 118
- Wagner LK; Lester RC; Saldana LR, exposure of the pregnant patient to diagnostic radiations: guide to medical management, Reviewed by Fischer HW, Radiology 1986; 160: 414
- Walsh JW, ed, computed tomography of the pelvis, Reviewed by Weiss SL, Radiology 1986; 159: 114
- Watanabe H; Makuchi M, eds, interventional real-time ultrasound, Reviewed by Gerlock AJ Jr, Radiology 1986; 159: 630
- Weill FS; Bihl E; Rohmer P; Zeltner F, l'ultrasonographie renale (renal ultrasound), 2d ed., Reviewed by Vu D, Radiology 1986; 160: 644
- Weill FS, l'ultrasonographie en pathologie digestive (ultrasound of digestive pathology), 3d ed., Reviewed by Pantoja E, Radiology 1986; 161: 152
- Weinreb JC; Redman HC, magnetic resonance imaging of the body, advanced exercises in diagnostic radiology, Reviewed by Rappaport DC, Radiology 1988; 167: 150
- Weir J; Abrahams P, atlas of radiological anatomy, 2d ed., Reviewed by Fischer HW, Radiology 1988; 166: 632
- Weissman A; Clot M; Grellet J, double contrast examination of the colon: principles and practice, Reviewed by Olmsted WW, Radiology 1986; 160: 32
- Williams AL; Haughton VM, cranial computed tomography, Reviewed by Griffiths HJ, Radiology 1987; 162: 100
- Williams CJ; Buchanan R, ed, medical management of breast cancer, Reviewed by Sanders DE, Radiology 1988; 168: 374
- Winfield AC; Wentz AC, diagnostic imaging of infertility, Reviewed by Martin DS, Radiology 1987; 165: 444
- Winkler C, ed, nuclear medicine in clinical oncology: current status and further aspects, Reviewed by O'Mara RE, Radiology 1986; 161: 652
- Withers HR; Peters LJ, innovations in radiation oncology, Reviewed by Steinfeld AD, Radiology 1988; 169: 786
- Wong WS; Tsuruda JS; Kortman KE; Bradley WG, practical magnetic resonance imaging: a case study report, Reviewed by Capusten BM, Radiology 1987; 165: 340
- Wood JH, ed, cerebral blood flow: physiologic and clinical aspects, Reviewed by Hopper KD, Radiology 1988; 167: 736
- Yochum TR; Rowe LJ, essentials of skeletal radiology, vols. 1 and 2, Reviewed by Bohrer SP, Radiology 1987; 165: 158
- Young SW; Bartrum RJ Jr, financial independence: doctor's guide, Reviewed by O'Mara RE, Radiology 1986; 161: 706
- Zanchini M; Grasso S; Guida P, misurazioni radiografiche dell'apparato locomotore (radiologic measurement of the skeletal system), Reviewed by Oestreich AE, Radiology 1987; 163: 724
- Zeidler E, kernspintomographie: einföhrung für ärzte und medizinstudenten (magnetic resonance imaging: an introduction for physicians and medical students), Reviewed by Oestreich AE, Radiology 1986; 159: 704
- Zeman RK; Burrell MI, gallbladder and bile duct imaging: a clinical radiologic approach, Reviewed by Olmsted WW, Radiology 1988; 168: 302
- Zimmermann W; Frank N, eds, ultraschall praoperative diagnostik (preoperative ultrasound diagnostics), Reviewed by Blickman JG, Radiology 1988; 167: 668
- Zwiebel WJ, ed, introduction to vascular ultrasoundography, 2d ed., Reviewed by Gerlock AJ Jr, Radiology 1987; 162: 464
- Bowel**
- See Intestines
- Brachial plexus**
- CT evaluation of the shoulder in children with Erb's palsy, Hernandez RJ; Dias L, Pediatr Radiol 1988; 18: 333
- radiographic evaluation of brachial plexopathy, Armington WG; Harnsberger HR; Osborn AG; et al, AJNR 1987; 8: 361
- Brachial plexus, CT**
- brachial plexus: correlation of MR imaging with CT and pathologic findings, Rapoport S; Blair DN; McCarthy SM; Dessert TS; Hammers LW; Sostman HD, Radiology 1988; 167: 161
- CT evaluation of the shoulder in children with Erb's palsy, Hernandez RJ; Dias L, Pediatr Radiol 1988; 18: 333
- radiographic evaluation of brachial plexopathy, Armington WG; Harnsberger HR; Osborn AG; et al, AJNR 1987; 8: 361
- Brachial plexus, MR studies**
- brachial plexus: correlation of MR imaging with CT and pathologic findings, Rapoport S; Blair DN; McCarthy SM; Dessert TS; Hammers LW; Sostman HD, Radiology 1988; 167: 161
- diagnosis of diseases of the suprascapular region by use of MR imaging, Kneeland JB; Kellman GM; Middleton WD; et al, AJR 1987; 148: 1149
- MR imaging in clinically suspected brachial plexus tumor, Castagno AA; Shuman WP, AJR 1987; 149: 1219
- normal brachial plexus: MR imaging, Blair DN; Rapoport S; Sostman HD; Blair OC, Radiology 1987; 165: 763
- Brain**
- See also Brain neoplasms; Head; Meninges
- Brain, abnormalities**
- abnormal vascular drainage in anomalies of neuronal migration, Barkovich AJ, AJNR 1988; 9: 939
- alexia without agnosia: clinical-computed tomographic correlations, Weisberg LA; Wall M, Neuroradiol 1987; 29: 283
- antenatal diagnosis of frontal cephalocele in a fetus with atelosteogenesis, Chervenak FA; Isaacson G; Rosenberg JC; et al, J Ultrasound Med 1986; 5: 111
- aqueductal stenosis: evaluation with gradient-echo rapid MR imaging, Atlas SW; Mark AS; Fram EK, Radiology 1988; 169: 449
- Arnold-Chiari II malformation: intraoperative real-time US, DiPietro MA; Venes JL; Rubin JM, Radiology 1987; 164: 799
- association of heterotopic gray matter with seizures: MR imaging, work in progress, Smith AS; Weinstein MA; Quencer RM; Muroff LR; Stonesifer KJ; Li FC; Wener L; Solomon MA; Cruse RP; Rosenberg LH; Berke JP, Radiology 1988; 168: 195

Brain, abnormalities

- brain malformation associated with neural tube defects: report of three cases of partial agenesis of the corpus callosum and myelomeningocele, Ruggiero R; Mongini T; Colangelo M; et al, *J Neurosurg* 1987; 14: 287
- brain malformations in linear nevus sebaceous syndrome: an MR study, Sarwar M; Schafer ME, *JCAT* 1988; 12: 338
- central nervous system lesions in pediatric patients: Gd-DTPA-enhanced MR imaging, Powers TA; Partain CL; Kessler RM; Freeman MW; Robertson RH; Wyatt SH; Whelan HT, *Radiology* 1988; 169: 723
- Chiari II malformation: MR imaging evaluation, Wolpert SM; Andersson M; Scott RM; et al, *AJNR* 1987; 8: 783
- chronic cerebral herniation in shunted Dandy-Walker malformation, Naidich TP; Radkowski MA; McLone DG; Leestma J, *Radiology* 1986; 158: 431
- cognitive and neurologic findings in subjects with diffuse white matter lucencies on computed tomographic scan (leuko-araisosis), (ab), Steingart A; Hachinski VC; Lau C, *Radiology* 1987; 164: 294
- colpocephaly: clinical, radiologic, and pathogenetic aspects, (ab), Herskowitz J; Rosman NP; Wheeler CB, *Radiology* 1986; 161: 864
- common congenital brain anomalies, Byrd SE; Naidich TP, *Radiol Clin North Am* 1988; 26: 755
- comparison of brain imaging and neuropathology in cases of trisomy 18 and 13, Inagaki M; Ando Y; Mito T; et al, *Neuroradiol* 1987; 29: 474
- computed tomography evaluation of subependymal cortical heterotopia: a case report, Wycliffe ND; Savolaine ER, *CT* 1987; 11: 312
- computed tomography of the head in the evaluation of microcephaly, (ab), Jaworski M; Hersh JH; Donat J; et al, *Radiology* 1987; 164: 592
- computerized tomography and ultrasound in the diagnosis of cerebro-hepato-renal syndrome of Zellweger, Weese-Mayer DE; Smith KM; Reddy JK; et al, *Pediatr Radiol* 1987; 17: 170
- computerized tomography in amyotrophic choreo-acanthocytosis, Serra S; Kerra A; Scrbano E; et al, *Neuroradiol* 1987; 29: 480
- congenital constriction of the foramen of Monro, Marions O; Boethius J, *Neuroradiol* 1986; 28: 275
- conventional and CT metrizamide myelography in Arnold-Chiari I malformation and syringomyelia, Li KC; Chui MC, *AJNR* 1987; 8: 11
- cranio-cervical growth collision: another explanation of the Arnold-Chiari malformation and of basilar impression, Roth M, *Neuroradiol* 1986; 28: 187
- cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies, Ormon M; Kispert DB; Sharbrough FW; Houser OW; Earnest F IV; Scheithauer BW; Laws ER Jr, *Radiology* 1986; 160: 215
- CT and MR evaluation of lissencephaly, Byrd SE; Bohan TP; Osborn RE; et al, *AJNR* 1988; 9: 923
- CT and MR findings in Aicardi syndrome, Iqbalshian V; Mahboubi S; Zimmerman RA, *JCAT* 1987; 11: 357
- CT of cerebral abnormalities in precocious puberty, Rieth KG; Comite F; Dwyer AJ; et al, *AJNR* 1987; 8: 283
- Dandy-Walker malformation prenatal sonographic diagnosis and its clinical significance, Nyberg DA; Cyr DR; Mack LA; et al, *J Ultrasound Med* 1988; 7: 65
- detection of heterotopic gray matter in children by magnetic resonance imaging, Dunn V; Mock T; Bell WE; et al, *Magn Res Imag* 1986; 4: 33
- diagnosis of brain neuropathology in utero, Pretorius DH; Russ PD; Rumack CM; et al, *Neuroradiol* 1986; 28: 386
- difficulties in diagnosing congenital posterior fossa fluid collections after shunting procedures, Wolpert SM; Scott RM; Runge VM; et al, *AJNR* 1987; 8: 653
- disorders of midline structures: holoprosencephaly, absence of corpus callosum, and Chiari malformations, Byrd SE; Osborn RE; Radkowski MA; et al, *Semin US CT MR* 1988; 9: 201
- disorders of migration and sulcation, Pollei SR; Boyer RS; Crawford S; et al, *Semin US CT MR* 1988; 9: 231
- disorders of ventricles and CSF spaces, Fitz CR, *Semin US CT MR* 1988; 9: 216
- fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies, Nyberg DA; Mack LA; Hirsch J; Pagon RO; Shepard TH, *Radiology* 1987; 163: 187
- hemimegalencephaly: MR imaging in five children, Kalifa GL; Chiron C; Sellier N; Demange P; Ponsot G; Lalande G; Robain O, *Radiology* 1987; 165: 29
- importance of karyotype determination in a fetus with ventriculomegaly and spina bifida discovered during the third trimester, Chervenak FA; Goldberg JD; Chiu T-H; et al, *J Ultrasound Med* 1986; 5: 405
- improvement of cerebral CT abnormalities following liver transplantation in a patient with Wilson disease, Rothfus WE; Hirsch WL; Malatack JJ; et al, *JCAT* 1988; 12: 138
- intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, Taylor GA; Fitz CR; Miller MK; Garin DB; Catena LM; Short BL, *Radiology* 1987; 165: 675
- leuko-araisosis, (ab), Hachinski VC; Potter P; Merskey H, *Radiology* 1987; 164: 294
- lissencephaly: diagnosis by computed tomography and magnetic resonance imaging, Cordes M; Cordes I; Sander B; et al, *Eur J Radiol* 1988; 8: 131
- MR imaging in Aicardi syndrome, Baierl P; Markl A; Thelen M; et al, *AJNR* 1988; 9: 805
- MR imaging of Chiari II malformation, El Gammal T; Mark EK; Brooks BS, *AJNR* 1987; 8: 1037
- MR imaging of Chiari II malformation associated with dysgenesis of cerebellum and brain stem, Yuh WTC; Segall HD; Senac MO; et al, *JCAT* 1987; 11: 188
- MR imaging of schizencephaly, Barkovich AJ; Norman D, *AJNR* 1988; 9: 297
- MR of lissencephaly, Lee BCP; Engel M, *AJNR* 1988; 9: 804
- MR of neuronal migration anomalies, Barkovich AJ; Chuang SH; Norman D, *AJNR* 1987; 8: 1009
- MR signal abnormalities at 1.5 T in Alzheimer's dementia and normal aging, Fazekas F; Chawluk JB; Alavi A; et al, *AJNR* 1987; 8: 421
- neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, Taylor GA; Glass P; Fitz CR; Miller MK, *Radiology* 1987; 165: 679
- nonrefractory temporal lobe epilepsy: 1.5-T MR imaging, Triulzi F; Franceschi M; Fazio F; Del Maschio A, *Radiology* 1988; 166: 181
- oculocerebrorenal syndrome: case report with CT and MR correlates, O'Tuama LA; Laster DW, *AJNR* 1987; 8: 555
- paraneoplastic cerebellar degeneration in a patient with ovarian carcinoma, Wang A-M; Leibowitch S; Ridker PM; et al, *AJNR* 1988; 9: 216
- periventricular cavitations in the first week of life, Keller MS; DiPietro MA; Teele RL; et al, *AJNR* 1987; 8: 291
- periventricular leukomalacia: radiologic diagnosis, Flodmark O; Roland EH; Hill A; Whitfield MR, *Radiology* 1987; 162: 119
- significance of cerebellar tonsillar position on MR, Barkovich AJ; Wippold FJ; Sherman JL; et al, *AJNR* 1986; 7: 795
- "sinister" Tolosa-Hunt syndrome, (ab), Spector RH; Fiandaca MS, *Radiology* 1987; 162: 591
- sonographic diagnosis of lissencephaly, Motte J; Gomes H; Morville P; et al, *Pediatr Radiol* 1987; 17: 362
- sonography of congenital malformations of the brain, Babcock DS, *Neuroradiol* 1986; 28: 428
- sonography of congenital midline brain malformations, Funk KC; Siegel MJ, *Radiographics* 1988; 8: 11
- type I schizencephaly: CT and neuropathologic findings, Bird CR; Gilles FH, *AJNR* 1987; 8: 451
- use of MR imaging for quantitative evaluation of resection for temporal lobe epilepsy, Jack CR Jr; Sharbrough FW; Marsh WR, *Radiology* 1988; 169: 463
- ventricular septa in the neonatal age group: diagnosis and considerations of etiology, Schellinger D; Grant EG; Manz HJ; et al, *AJNR* 1986; 7: 1065
- when should GRASS be used?, Bradley WG, *Radiology* 1988; 169: 574
- white matter disease in AIDS: findings at MR imaging, Olsen WL; Longo FM; Mills CM; Norman D, *Radiology* 1988; 169: 445
- Brain, abscess**
- brain abscess: an atypical CT appearance of CNS tuberculosis, Yang PJ; Keger KM; Seeger JF; et al, *AJNR* 1987; 8: 919
- brain abscess: a study of 45 consecutive cases, (ab), Chun CH; Johnson JD; Hofstetter M; et al, *Radiology* 1987; 164: 592
- brain abscess with hemorrhage, Orita T; Fujii M; Hayashi M; et al, *Neuroradiol* 1987; 29: 576
- CT diagnosis in sixty cases of small cerebral abscess, Yujin W; Babszen S; Liming J; et al, *J Neuroradiol* 1988; 15: 77
- experimental *Staphylococcus aureus* brain abscess, Enzmann DR; Britt RR; Obana WG; et al, *AJNR* 1986; 7: 395
- positive indium-111 leukocyte scan in nocardia brain abscess, Bauman JM; Osenbach R; Hartshorne MF; et al, *J Nucl Med* 1986; 27: 60
- Brain, air embolism**
- CT in iatrogenic cerebral air embolism, Jensen ME; Lipper MH, *AJNR* 1986; 7: 823
- Brain, anatomy**
- anterior commissure: anatomic-MR correlation and use as a landmark in three orthogonal planes, Naidich TP; Daniels DL; Pech P; Houghton VM; Williams AL; Pojunaas KW, *Radiology* 1986; 158: 421
- CT identification of cortical speech areas in the human brain, Gelbert F; Bergvall U; Salamon G; et al, *JCAT* 1986; 10: 39
- fat within the falx: MR demonstration of falx bony metaplasia with marrow formation, Sands SF; Farmer P; Alvarez O; et al, *JCAT* 1987; 11: 602
- hippocampal formation and related structures of the limbic lobe: anatomic-MR correlation, part I, surface features and coronal sections, Naidich TP; Daniels DL; Houghton VM; Williams AL; Pojunaas KW; Palacios E, *Radiology* 1987; 162: 747
- hippocampal formation and related structures of the limbic lobe: anatomic-MR correlation, part II, sagittal sections, Naidich TP; Daniels DL; Houghton VM; Pech P; Williams AL; Pojunaas KW; Palacios E, *Radiology* 1987; 162: 755
- minimal asymmetry of the brain: normal variant, Shapiro R; Galloway SJ; Shapiro MD, *AJR* 1986; 147: 753
- MR vascular imaging with a fast gradient refocusing pulse sequence and reformatted images from transaxial sections, Gullberg GT; Wehrli FW; Shimakawa A; Simons MA, *Radiology* 1987; 165: 241
- sonography of the normal neonatal head: supratentorial structures: state-of-the-art imaging, Naidich TP; Youssefzadeh DK; Gusnard DA, *Neuroradiol* 1986; 28: 408
- ultrasonography of the normal fetal brain, Pastro ME; Kurtz AB, *Neuroradiol* 1986; 28: 380
- Brain, aneurysm**
- See Aneurysm, cerebral
- Brain, arteriosclerosis**
- deep white matter infarction: correlation of MR imaging and histopathologic findings, Marshall VG; Bradley WG Jr; Marshall CE; Bhooapat T; Rhodes RH, *Radiology* 1988; 167: 517
- Brain, atrophy**
- cerebral atrophy in younger persons: a comparative study between clinical examinations and computed tomography, Skjold T; Svendsen J; Jacobsen EB; et al, *Clin Radiol* 1987; 38: 367

- cerebral computed tomography in uremic and hemodialyzed patients, Cusmano F; Savazzi GM, JCAT 1986; 10: 567
- computed tomography brain changes in Parkinsonian dementia, Inzelberg R; Treves T; Reider I; et al, Neuroradiol 1987; 29: 535
- CT findings in spinocerebellar degeneration, Ramos A; Quintana F; Diez C; et al, AJNR 1987; 8: 635
- diagnosis of cerebral atrophy in infants by near-field cranial sonography, (ab), Fischer AQ; Azis E, Radiology 1987; 163: 838
- imaging of the aging brain: part I. normal findings, Drayer BP, Radiology 1988; 166: 785
- imaging of the aging brain: part II. pathologic conditions, Drayer BP, Radiology 1988; 166: 797
- magnetic resonance imaging in neuronal ceroid lipofuscinosis, Machen BC; Williams JP; Lum GB; et al, CT 1987; 11: 160
- Minamata disease demonstrated by computed tomography, Matsumoto SC; Okajima T; Inayoshi S; et al, Neuroradiol 1988; 30: 42
- moyamoya disease: MR imaging, Fujisawa I; Asato R; Nishimura K; Togashi K; Itoh K; Noma S; Sagoh T; Minami S; Nakano Y; Yonekawa Y; Torizuka K, Radiology 1987; 164: 103
- MR appearance of CSF flow in patients with ventriculomegaly, Sherman JL; Citrin CM; Gangarosa RE; et al, AJNR 1986; 7: 1025
- MR imaging of cerebral hemiatrophy, Zeiss J; Brinker JA, JCAT 1988; 12: 640
- positron emission tomography in aging and dementia: effect of cerebral atrophy, Chawluk JB; Alavi A; Dann R; et al, J Nucl Med 1987; 28: 431
- quantitative study of physiological cerebral atrophy with aging: a statistical analysis of the normal range, Nagata K; Basugi N; Fukushima T; et al, Neuroradiol 1987; 29: 327
- routine CT screening of psychiatry inpatients, McClellan RL; Eisenberg RL; Giyanani VL, Radiology 1988; 169: 99
- spinocerebellar degeneration: qualitative and quantitative MR analysis of atrophy, Nabatae M; Fukuyama H; Akiuchi I; et al, JCAT 1988; 12: 298
- ### Brain, biopsy
- brain gliomas: sonographic characterization, McGahan JP; Ellis WG; Budenz RW; Walter JP; Boggan JE, Radiology 1986; 159: 485
- cerebral astrocytomas: histopathologic correlation of MR and CT contrast enhancement with stereotactic biopsy, Earnest F IV; Kelly PJ; Scheithauer BW; Kall BA; Cascino TL; Ehman RL; Forbes GS; Axley PL, Radiology 1988; 166: 823
- computed tomography-guided intracranial biopsy and cyst aspiration: accumulated experience in 60 patients, Savolaine ER; Greenblatt SH; Rappaport M, CT 1987; 11: 221
- MR-directed brain biopsy: feasibility study, Mamourian AC; Rhodes RE; Duda JJ; et al, AJNR 1988; 9: 510
- stereotactic biopsy of the brain with the Leksell frame in the context of modern radiology, Ferry M; Cabanis E; Cosnard G; et al, J Neuroradiol 1988; 15: 63
- stereotactic biopsy of the brain under MR imaging control, Thomas DGT; Davis CH; Ingram S; et al, AJNR 1986; 7: 161
- ### Brain, calcification
- calcified intracranial lesions: detection with gradient-echo-acquisition rapid MR imaging, Atlas SW; Grossman RI; Hackney DB; et al, AJNR 1988; 9: 253
- cerebellar calcification in central neurofibromatosis: CT in two cases, Van Tassel P; Yeakley JW; Lee KF, AJNR 1987; 8: 913
- computed tomography findings of severe mineralizing microangiopathy in the brain, Lewis E; Lee Y-Y, CT 1986; 10: 357
- detection of intracranial calcifications by MR, Oot RF; New PFJ; Pile-Spellman J; et al, AJNR 1986; 7: 801
- dystrophic intracranial calcification: CT evidence of "cerebral steal" from arteriovenous malformation, Yu YL; Chiu EKW; Woo E; et al, Neuroradiol 1987; 29: 519
- "idiopathic" cerebellar calcifications: association with hypothyroidism, Burke JW; Williamson BRJ; Hurst RW, Radiology 1988; 167: 533
- intracerebral calcification in a child, Christensen R; Pollei SR; Nemcek AA Jr, Invest Radiol 1987; 22: 694
- intracranial calcification in paediatric computed tomography, Kendall B; Cavanagh N, Neuroradiol 1986; 28: 324
- intracranial gyriform calcification associated with subarachnoid fat, Machen BC; Williams JP; Lum GB; et al, CT 1986; 10: 385
- isolated frontal lobe calcification in Sturge-Weber syndrome, Hatfield M; Muraki A; Wollman R; et al, AJNR 1988; 9: 203
- MR detection of intracranial calcification: a phantom study, Tsuruda JS; Bradley WG, AJNR 1987; 8: 1049
- physiological calcification of the septum pellucidum, Sakai H; Nakamura N, Neuroradiol 1986; 28: 173
- pineal germinoma: MR imaging, Kilgore DP; Strother CM; Stanhak RJ; Houghton VM, Radiology 1986; 158: 435
- pontine calcification following radiotherapy: CT demonstration, Price DB; Hotson GC; Loh JP, JCAT 1988; 12: 45
- routine CT screening of psychiatry inpatients, McClellan RL; Eisenberg RL; Giyanani VL, Radiology 1988; 169: 99
- solitary paraventricular calcification in cerebral lupus erythematosus: a report of two cases, Daud AB; Nuruddin RN, Neuroradiol 1988; 30: 84
- ### Brain, CT
- abnormal CT scan in a patient with Gilles de la Tourette syndrome, Kjaer M; Boris P; Hansen LG, Neuroradiol 1986; 28: 362
- accuracy of high resolution computed tomography in direct diagnosis of cerebral aneurysms, Schmid UD; Steiger HJ; Huber P, Neuroradiol 1987; 29: 152
- acute subarachnoid hemorrhage: in vitro comparison of magnetic resonance and computed tomography, Chakres DW; Bryan RN, AJNR 1986; 7: 223
- acute subdural hematoma mimicking epidural hematoma on CT, Braun J; Borovich B; Guilburd JN; et al, AJNR 1987; 8: 171
- acute subdural hematomas: atypical CT findings, Reed D; Robertson WD; Graeb DA; et al, AJNR 1986; 7: 417
- adrenoleukodystrophy: correlating MR imaging with CT, Kumar AJ; Rosenbaum AE; Naidu S; Wener L; Citrin CM; Lindenberg R; Kim WS; Zinreich SJ; Molliver ME; Mayberg HS; Moser HW, Radiology 1987; 165: 497
- alexia without aphasia: clinical-computed tomographic correlations, Weisberg LA; Wall M, Neuroradiol 1987; 29: 283
- analysis of dynamic computed tomography scan brain images, Hopper JL; Davis SM; Tress BM; et al, Invest Radiol 1987; 22: 651
- analysis of the clinical and computed tomographic findings in isodense subdural hematoma, Weisberg LA, Comput Radiol 1986; 4: 245
- anatomical adjustments in brain positron emission tomography using CT images, Miura S; Kanno I; Iida H; et al, JCAT 1988; 12: 363
- a propos des sequelles tomodensitometriques de la psycho-chirurgie frontale (computerized tomographic sequelae of frontal psychosurgery), Dorland JP; Dorland PR; Cioloca C, J Neuroradiol 1986; 13: 195
- association of heterotopic gray matter with seizures: MR imaging, work in progress, Smith AS; Weinstein MA; Quencer RM; Muroff LR; Stonesifer KJ; Li FC; Wener L; Solomon MA; Cruse RP; Rosenberg LH; Berke JP, Radiology 1988; 168: 195
- automated registration of multimodality images, Vannier MW; Gayou DE, Radiology 1988; 169: 860
- brain computed tomography in morbid obesity before and after gastric restriction surgery: a prospective quantitative study, Berginer VM; Solomon H; Hirsch M; et al, Neuroradiol 1987; 29: 540
- brain death: use of dynamic CT and intravenous digital subtraction angiography, Tan WS; Wilbur AC; Jafar JJ; et al, AJNR 1987; 8: 123
- brain phantom: high-resolution imaging with SPECT and I-123, Floyd CE Jr; Jaszczak RJ; Greer KL; Coleman RE, Radiology 1987; 164: 279
- brains—a computer advisor system to aid in CT scan interpretation and cerebral disease diagnosis, du Boulay GH; Teather D; Morton BA; et al, Neuroradiol 1987; 29: 196
- carbon monoxide poisoning: asymmetric and unilateral changes in CT, Taylor R; Holgate RC, AJNR 1988; 9: 975
- carcinomatous encephalitis: CT and MR findings, Olsen WL; Winkler ML; Rosa DA, AJNR 1987; 8: 553
- cerebellar calcification in central neurofibromatosis: CT in two cases, Van Tassel P; Yeakley JW; Lee KF, AJNR 1987; 8: 913
- cerebral atrophy in younger persons: a comparative study between clinical examinations and computed tomography, Skjold T; Svendsen J; Jacobsen EB; et al, Clin Radiol 1987; 38: 367
- cerebral computed tomography in uremic and hemodialyzed patients, Cusmano F; Savazzi GM, JCAT 1986; 10: 567
- cerebral mucromycosis: a case report, Narang AK; Dina TS, Comput Med Imag Graph 1988; 12: 259
- cerebral sparganosis: CT characteristics, Chang KH; Cho SY; Chi JG; Kim WS; Han MC; Kim C-W; Myung H; Choi KS, Radiology 1987; 165: 505
- cerebral vasculitis secondary to Wegener's granulomatosis: computed tomography and angiographic findings, Yamashita Y; Takahashi M; Bussaka H; et al, CT 1986; 10: 115
- changes in cerebral perfusion after acute head injury, Powe J; Thompson T; Maguire K, Radiology 1988; 167: 581
- changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HM-PAO SPECT, Abdel-Dayem HM; Sadek SA; Kouris K; Bahar RH; Higazi I; Eriksson E; Engleason SH; Berntman L; Sigurdsson GH; Foad M; Olivecrona H, Radiology 1987; 165: 221
- changes in cerebral perfusion after acute head injury: reply, Abdel-Dayem HM, Radiology 1988; 167: 582
- chronic subdural hematoma: correlation of computerized tomography with colour, Naim-ur-Rahman, Neuroradiol 1987; 29: 40
- chronic subdural hematomas: time-density curve and iodine concentration in enhanced CT, Karasawa H; Tomita S; Suzuki S, Neuroradiol 1987; 29: 36
- cisternal ventricle, Jenkins JR, AJNR 1988; 9: 111
- clinical prediction rules for computed tomographic scanning in senile dementia, (ab), Martin DC; Miller J; Kapoor W; et al, Radiology 1987; 163: 838
- cognitive and neurologic findings in subjects with diffuse white matter lucencies on computed tomographic scan (leuko-araisias), (ab), Steingart A; Hachinski V; Lau C, Radiology 1987; 164: 294
- collimator selection for SPECT brain imaging: advantage of high resolution, Mueller SP; Polak JF; Kijewski MF; et al, J Nucl Med 1986; 27: 1729
- comparative evaluation of brain CT and ELISA in the diagnosis of neurocysticercosis, Chang KH; Kim WS; Cho SY; et al, AJNR 1988; 9: 125
- comparison of magnetic resonance and roentgen ray computed tomography in dementia, (ab), Johnson KA; Davis KR; Buonanno FS; et al, Radiology 1988; 167: 295
- computed tomographic analysis of bilateral cingulotomy for intractable mood disturbance and chronic pain, Bernard PG; Ballantine HT, Comput Radiol 1987; 11: 117
- computed tomographic changes in juvenile hemiplegia, Kolawole TM; Patel PJ; Mahdi AH, Comput Radiol 1987; 11: 125
- computed tomographic findings in progressive supranuclear palsy, Saitoh H; Yoshii F; Shinohara Y, Neuroradiol 1987; 29: 168
- computed tomographic imaging of the brain in after hypoglycemia coma, Iwai A; Sakamoto T; Kinoshita Y; et al, Neuroradiol 1987; 29: 398
- computed tomographic scan hemispheric asymmetries in right- and left-handed male and female subjects, (ab), Koff E; Naeser MA; Pleniadz JM; et al, Radiology 1986; 160: 860

- computed tomographic studies of the basis pedunculi in chronic hemiplegic patients: topographic correlation between cerebral lesion and midbrain shrinkage, Warabi T; Miyasaka K; Inoue K; et al, *Neuroradiol* 1987; 29: 409
- computed tomography abnormalities in hanging, Blanco F; Floris R, *Neuroradiol* 1987; 29: 297
- computed tomography and angiography in MELAS (mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes): report of 3 cases, Hasuo K; Tamura S; Yasumori K; et al, *Neuroradiol* 1987; 29: 393
- computed tomography and MR imaging of thalamic neuroepithelial cysts, Numaguchi Y; Connolly ES; Kumra AK; et al, *JCAT* 1987; 11: 583
- computed tomography and ultrasound in purulent ventriculitis, Vachon L; Mikity V, *J Ultrasound Med* 1987; 6: 269
- computed tomography brain changes in Parkinsonian dementia, Inzelberg R; Treves T; Reider J; et al, *Neuroradiol* 1987; 29: 535
- computed tomography evaluation of subependymal nodular heterotopia: a case report, Wycliffe ND; Savolaine ER, *CT* 1987; 11: 312
- computed tomography evolution of multicystic encephalomalacia, Smith RR; Savolaine ER, *CT* 1986; 10: 249
- computed tomography findings of severe mineralizing microangiopathy in the brain, Lewis E; Lee Y-Y, *CT* 1986; 10: 357
- computed tomography in global cerebral cortical ischemia of the neonate and young infant, Swartz JD; Soyler A; Brown LW; et al, *CT* 1986; 10: 243
- computed tomography in neuronal ceroid lipofuscinosis: four case reports, Savolaine ER; Voeller K; Gunning W; et al, *CT* 1987; 11: 73
- computed tomography in Sjögren-Larsson syndrome, Gomori JM; Leibovici V; Zlotogorski A; et al, *Neuroradiol* 1987; 29: 557
- computed tomography of anterior inferior cerebellar artery aneurysm mimicking an acoustic neuroma, Dalley RW; Robertson WD; Nugent RA; et al, *JCAT* 1986; 10: 881
- computed tomography of bilateral thalamic hypodensity in acute encephalopathy, Tateno A; Sakai K; Sakai S; et al, *JCAT* 1988; 12: 637
- computed tomography of cerebral tuberculoma, Draouat S; Abdenabi B; Ghanem M; et al, *JCAT* 1987; 11: 594
- computed tomography of intracranial gangliogliomas, Dorne HL; O'Gorman AM; Melanson D, *AJNR* 1986; 7: 281
- computed tomography of the brain in asphyxiated infants, Dunn DW; Weisberg LA, *Comput Radiol* 1987; 11: 147
- computed tomography of the brain in cases with venous vasculitis compared with an age-matched reference group, Hannerz J; Ericson K; Bergstrand G; et al, *Acta Radiol* 1988; 29: 65
- computed tomography of the brain in metabolic diseases involving the central nervous system in children, Dunn DW; Weisberg LA, *Comput Radiol* 1987; 11: 135
- computed tomography of the head in the evaluation of microcephaly, (ab), Jaworski M; Hersh JH; Donat J; et al, *Radiology* 1987; 164: 592
- computer-interactive method for quantifying cerebrospinal fluid and tissue in brain CT scans: effects of aging, Pfefferbaum A; Zatz LM; Jernigan TL, *JCAT* 1986; 10: 571
- computerized tomographic findings and differential diagnostic considerations in subcortical arteriosclerotic encephalopathy (Binswanger's disease), Weisberg LA; Gerard G; Stazio A, *Comput Med Imag Graph* 1988; 12: 249
- computerized tomography in amyotrophic choreo-acanthocytosis, Serra S; Xerra A; Scribano E; et al, *Neuroradiol* 1987; 29: 480
- contrast enhancement of brain tumors and irradiated normal brain: comparison of iohexol and iothalamate, Fike JR; Cann CE; Turowski K; et al, *Neuroradiol* 1986; 28: 61
- correlations of nuclear magnetic resonance imaging, computerized tomography, and clinical profiles in multiple sclerosis, (ab), Jacobs L; Kinkel WR; Polachini I; et al, *Radiology* 1987; 162: 888
- cranial and epidural mycetoma caused by streptomyces somaliensis, Naim-U-Rahman; Abdullah AK; Hawass N-E-D; et al, *Neuroradiol* 1987; 29: 95
- cranial computed tomographic findings in patients with cheiro-oral syndrome, Iwasaki Y; Kinoshita M, *Comput Med Imag Graph* 1988; 12: 237
- cranial computed tomographic findings in patients with neurologic manifestations of systemic lupus erythematosus, Weisberg LA, *Comput Radiol* 1986; 10: 63
- cranial CT in the Sjögren-Larsson syndrome, Mulder LJM; Oranje AP; Looen MCB, *Neuroradiol* 1987; 29: 560
- craniofacial fractures and brain injuries, Bracad S; Marchal J-C; Augue J; et al, *J Neuroradiol* 1986; 13: 265
- craniofacial mucormycosis: assessment with CT, Gamba JL; Woodruff WW; Djang WT; Yeates AE, *Radiology* 1986; 160: 207
- craniopagus twins: neuroradiological findings (CT, angiography, MRI), Schindler E; Hajek P, *Neuroradiol* 1988; 30: 11
- cryptococcus meningitis, clinical - CT scan considerations, Tan CT; Kuan BB, *Neuroradiol* 1987; 29: 43
- CT and angiographic correlation of severe neurological disease in toxemia of pregnancy, Lewis LK; Hinshaw DB Jr; Will AD; et al, *Neuroradiol* 1988; 30: 59
- CT and MR evaluation of lissencephaly, Byrd SE; Bohan TP; Osborn RE; et al, *AJNR* 1988; 9: 923
- CT and MR imaging in neuro-Behcet disease, Willeit J; Schmutzhard E; Aichner F; et al, *JCAT* 1986; 10: 313
- CT appearance in hypertensive encephalopathy, Kwong YL; Yu YL; Lam KSL; et al, *Neuroradiol* 1987; 29: 215
- CT changes in dementing diseases: review, LeMay M, *AJNR* 1986; 7: 841
- CT classification of small thalamic hemorrhages and their clinical implications, (ab), Kawahara N; Sato K; Muraki M; et al, *Radiology* 1987; 162: 887
- CT demonstration of brain infarcts due to deep venous thrombosis in systemic lupus erythematosus, Shah ZR; Bellon EM; Toor AH; et al, *Comput Med Imag Graph* 1988; 12: 241
- CT diagnosis in sixty cases of small cerebral abscess, Yujin W; Bagben S; Liming J; et al, *J Neuroradiol* 1988; 15: 77
- CT diagnosis of toxic brain injury in cyanide poisoning: considerations for forensic medicine, Varnell RM; Stimac GK; Fligner CL, *AJNR* 1987; 8: 1063
- CT features of early *Listeria monocytogenes* cerebritis, Haykal H; Zamani A; Wang A-M; et al, *AJNR* 1987; 8: 279
- CT findings in spinocerebellar degeneration, Ramos A; Quintana F; Diez C; et al, *AJNR* 1987; 8: 635
- CT findings in temporal arteritis: report of two cases, Karacostas D; Taskos N; Tsounis S; et al, *Neuroradiol* 1986; 28: 373
- CT findings of cerebral paragonimiasis in the chronic state, Udaka F; Okuda B; Okada M; et al, *Neuroradiol* 1988; 30: 31
- CT identification of cortical speech areas in the human brain, Gelbert F; Bergvall U; Salamon G; et al, *JCAT* 1986; 10: 39
- CT in ceroid lipofuscinosis, (ab), Dunn DW, *Radiology* 1988; 166: 590
- CT in iatrogenic cerebral air embolism, Jensen ME; Lipper MH, *AJNR* 1986; 7: 823
- CT in progressive supranuclear palsy, Ambrosetto P, *AJNR* 1987; 8: 849
- CT, magnetic resonance imaging, and SPECT iodine-123 iodoamphetamine imaging of a patient with progressive cognitive deterioration, Tikofsky RS; Harsch HH; Goldstein MD; et al, *Clin Nucl Med* 1987; 12: 463
- CT, MR, and pathology in HIV encephalitis and meningitis, Post MD; Tate LC; Quencer RM; et al, *AJNR* 1988; 9: 469
- CT of cerebral abnormalities in precocious puberty, Rieth KG; Comite F; Dwyer AJ; et al, *AJNR* 1987; 8: 283
- CT of intracranial tuberculomas with specific reference to the "target sign", van Dyk A, *Neuroradiol* 1988; 30: 329
- CT of subinsular infarction and ischemia, Cobb SR; Mehinger CM; Itabashi HH; et al, *AJNR* 1987; 8: 221
- CT-ventriculography in a cystic lesion of the third ventricle, Signorini E; Pelliccioli GP; Buoncrisiani P; et al, *Eur J Radiol* 1987; 7: 114
- CT visualization of ruptured Berry aneurysm within hematoma: flip-flop sign, McCormack J; Peyster RG; Brodner RA; et al, *JCAT* 1986; 10: 28
- demonstration of a symptomatic intraventricular cyst using direct intraventricular metrizamide instillation, Blom R; Witt N; Johnson ES, *AJNR* 1986; 7: 1093
- determination of death and the changing role of medical imaging, Morayati SJ; Nagle CE, *Radiographics* 1988; 8: 967
- diagnosis and follow-up of mitochondrial encephalomyopathy: CT and MR studies, Taverni N; Dal Pozzo G; Arnetoli G; et al, *JCAT* 1988; 12: 696
- disappearing "osteochondroma": simulation by reformatting computed tomography, Davies RP; Welshman R; Desilva M, *Australas Radiol* 1988; 32: 131
- dynamic computed tomography of cerebral parenchymal tuberculomata, Jinkins JR; Al-Kawi MZ; Bashir R, *Neuroradiol* 1987; 29: 523
- dynamic CT brain scanning in the haemodynamic evaluation of cerebral arterial occlusive disease, Davis SM; Tress BM; Hopper JL; et al, *Neuroradiol* 1987; 29: 259
- dynamic CT of micro- and macroangiopathic states of the cerebrum, Jinkins JR, *Neuroradiol* 1988; 30: 22
- early CT finding in cerebral infarction: obscuration of the lentiform nucleus, Tomura N; Uemura K; Inugami A; Fujita H; Higano S; Shishido F, *Radiology* 1988; 168: 463
- early CT sign of ischemic infarction: increased density in a cerebral artery, Pressman BD; Tourje EJ; Thompson JR, *AJNR* 1987; 8: 645
- equivocal findings on cranial CT but apparent cerebral lesion(s) on conventional radionuclide imaging, Shih W-J; DeLand FH, *Clin Nucl Med* 1987; 12: 219
- evidence on computed tomography of pseudotumour cerebri in hypoparathyroidism, Mor F; Wyszneek AJ, *Br J Radiol* 1988; 61: 158
- focal vulnerability of developing brain: CT studies on disproportionately dilated lateral ventricles, Nishimura M; Ieshima A; Takashima S; et al, *Neuroradiol* 1986; 28: 30
- fully-automated computer-assisted method of CT brain scan analysis for the measurement of cerebrospinal fluid spaces and brain absorption density, Baldy RE; Brindley GS; Ewusi-Mensah I; et al, *Neuroradiol* 1986; 28: 109
- general case of the day: annual meeting, 1986, Crawford SC; Cornell SH; Franken EA Jr, *Radiographics* 1987; 7: 1178
- high dose brain CT with ioxaglate and diatrizoate adverse reactions and effects on urine protein tests, Raininko R; Laivola J; Irla K, *Eur J Radiol* 1988; 8: 44
- human brain infarcts: imaging by MR enhanced Gd-DTPA, Virapongse C; Mancuso AA; Quisling RG, *Radiology* 1986; 161: 785
- hypodense white matter lesions in computed tomography of neurosarcoidosis, Ketonen L; Oksanen V; Kuuliala I; et al, *JCAT* 1986; 10: 181
- increased density of tentorium and falx: false positive CT sign of subarachnoid hemorrhage, Spiegel SM; Fox AJ; Vinuela FV; et al, *J Canad Assoc Radiol* 1986; 37: 243
- infantile sudanophilic leukodystrophy: computed tomography demonstration, Sano N; Nagao H; Morimoto M; et al, *Neuroradiol* 1986; 28: 170
- integrated stereotaxic imaging with CT, MR imaging, and digital subtraction angiography, Peters TM; Clark JA; Olivier A; Marchand EF; Mawko G; Deumegarde M; Muresan LV; Ethier R, *Radiology* 1986; 161: 821

- intense brain cortical enhancement on CT in laminar necrosis verified by biopsy, Liwnicz BH; Mouradian MD; Ball JB Jr, *AJNR* 1987; 8: 157
- intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, Taylor GA; Fitz CR; Miller MK; Garin DB; Catena LM; Short BL, *Radiology* 1987; 165: 675
- intracranial tuberculoma and the CT scan, (ab), Vengarkar US; Pisipaty RP; Parekh B; et al, *Radiology* 1987; 162: 590
- intracranial tuberculosis due to *Mycobacterium bovis*, Guest SS; Sivit CJ; Meisler WJ; et al, *Comput Radiol* 1987; 11: 151
- intracranial tumors: unexpected uptake of I-123 HSPDM, McVeigh MC; Merchut MP; Karesk SM; Ghobrial MW; Dillehay DL, *Radiology* 1986; 161: 409
- intracranial vascular malformations: imaging of charged-particle radiosurgery: part II. results of therapy, Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 447
- intracranial vascular malformations: imaging of charged-particle radiosurgery: part II. complications, Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 457
- isodense middle fossa arachnoid cyst and subdural hematoma: a diagnostic problem on CT, Lund E; Buhl M; Miletic T; et al, *J Neuroradiol* 1987; 14: 89
- "keyhole": sign of herniation of a trapped fourth ventricle and other posterior fossa cysts, Wolfson BJ; Faerber EN; Truex RC Jr, *AJNR* 1987; 8: 473
- Krabbe disease: specific MRI and CT findings, (ab), Baram TZ; Goldman AM; Percy AK, *Radiology* 1987; 162: 590
- Leigh disease (subacute necrotizing encephalomyelopathy): CT and MR in five cases, Geyer CA; Sartor KJ; Prenskey AJ; et al, *JCAT* 1988; 12: 40
- leukoencephalopathy in normal and pathologic imaging: 1. CT of brain lucencies, George AE; De Leon MJ; Gentes CI; et al, *AJNR* 1986; 7: 561
- lissencephaly: diagnosis by computed tomography and magnetic resonance imaging, Cordes M; Cordes I; Sander B; et al, *Eur J Radiol* 1988; 8: 131
- magnetic resonance imaging and computerized tomography in central hypoventilation, (ab), Weese-Mayer DE; Brouillette RT; Naidich TP; et al, *Radiology* 1988; 168: 591
- magnetic resonance imaging of white matter changes in traumatic leukoencephalopathy, Moser FG; Hilal SD; Bello JA; et al, *CT* 1988; 12: 171
- magnetic resonance tomography and computed tomography of the brain for diagnosing Wilson's disease, (ab), Uhlenbrock D; Straube A; Beyer HK; et al, *Radiology* 1986; 159: 573
- mapping of local cerebral blood flow with stable xenon-enhanced CT and the curve-fitting method of analysis, Touho H; Karasawa J; Nakagawa J; Tazawa T; Yamada K; Kuriyama Y; Asai M; Kagawa M; Kobayashi K; Yasue H, *Radiology* 1988; 168: 207
- meningovascular syphilis: CT and MR findings, Holland BA; Perrett LV; Mills CM, *Radiology* 1986; 158: 439
- Minamata disease demonstrated by computed tomography, Matsumoto SC; Okajima T; Inayoshi S; et al, *Neuroradiol* 1988; 30: 42
- minimal asymmetry of the brain: normal variant, Shapiro R; Galloway SJ; Shapiro MD, *AJR* 1986; 147: 753
- modified CT techniques in the evaluation of temporal lobe epilepsy prior to lobectomy, El Gammal T; Adams RJ; King DW; et al, *AJNR* 1987; 8: 131
- MR and CT appearance of ruptured intracranial dermoid tumors, Stephenson TF; Spitzer RM, *Comput Radiol* 1987; 11: 249
- MR and CT evaluation of intracranial sarcoidosis, Hayes WS; Sherman JL; Stern BJ; et al, *AJNR* 1987; 8: 841
- MR and CT in cytoplasmically inherited striatal degeneration, Seidenwurm D; Novotny E Jr; Marshall W; et al, *AJNR* 1986; 7: 629
- MR and CT investigation of cerebrovascular disease in sickle cell patients, El Gammal T; Adams RJ; Nichols FT; et al, *AJNR* 1986; 7: 1043
- MR and CT of lacunar infarcts, Brown JJ; Hesselink JR; Rothrock JF, *AJNR* 1988; 9: 477
- MR and CT of occult vascular malformations of the brain, New PFJ; Ojemann RG; Davis KR; et al, *AJNR* 1986; 7: 771
- MR imaging vs CT in subacute sclerosing panencephalitis, Tsuchiya K; Yamauchi T; Furui S; et al, *AJNR* 1988; 9: 943
- multiple sclerosis: gadolinium enhancement in MR imaging, Grossman RI; Gonzalez-Scarano F; Atlas SW; Caletta S; Silberberg DH, *Radiology* 1986; 161: 721
- neonatal herpes simplex encephalitis: correlation of clinical and CT findings, Noorbehesht B; Enzmann DR; Sullender W; Bradley JS; Arvin AM, *Radiology* 1987; 162: 813
- neuroimaging and the lesion of multiple sclerosis, Poser CM; Kleefeld J; O'Reilly GV; et al, *AJNR* 1987; 8: 549
- neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, Taylor GA; Glass P; Fitz CR; Miller MK, *Radiology* 1987; 165: 679
- nontraumatic lobar intracerebral hemorrhage: CT/angiographic correlation, Loes DJ; Smoker WRK; Biller J; et al, *AJNR* 1987; 8: 1027
- oculocerebrorenal syndrome: case report with CT and MR correlates, O'Tuama LA; Laster DW, *AJNR* 1987; 8: 555
- organized intracerebral hematoma with acute hemorrhage: CT patterns and pathologic correlations, Lee Y-Y; Moser K; Bruner JM; et al, *AJNR* 1986; 7: 409
- pancerebellar syndrome in heat stroke: clinical course and CT scan findings, Yaqub BA; Daif AK; Panayiotopoulos CP, *Neuroradiol* 1987; 29: 294
- porencephaly: computed tomography (CT) scan findings, Kolawole TM; Patel PJ; Mahdi AH, *Comput Radiol* 1987; 11: 53
- postcraniectomy site: CT appearance, Lanzieri CF; Som PM; Sacher M; Solodnik P; Moore F, *Radiology* 1986; 159: 165
- prognostic factors in intraparenchymatous hematoma with ventricular hemorrhage, Ruscalleda J; Peiro A, *Neuroradiol* 1986; 28: 34
- radiology of the ambient cistern, part II: pathology, Chakres DW; Kapila A; LaMasters D, *Neuroradiol* 1986; 28: 4
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- right-left symmetry axis of the brain on CT, Horev G; Gomori JM; Zajick G; et al, *Comput Med Imag Graph* 1988; 12: 159
- role of contrast enhancement in cerebral CT of carbon monoxide poisoning, Zeiss J; Brinker RA, *JCAT* 1988; 12: 341
- role of delayed computed tomographic scanning using high doses of contrast material in detecting cerebral demyelination in patients with multiple sclerosis in relapse and remission, Brooks DJ; Carr DH; Legg NJ, *Br J Radiol* 1987; 60: 295
- routine CT screening of psychiatry inpatients, McClellan RL; Eisenberg RL; Giyanani VL, *Radiology* 1988; 169: 99
- safety and efficacy of sodium and meglumine ioxaglate (Hexabrix) and Hypaque M60[®] in contrast-enhanced computed cranial tomographic scanning: double-blind chemical study, Ramsey RG; Czervionke L; Dommers M; et al, *Invest Radiol* 1987; 22: 56
- scanning of the brain in the malady de Marchiafava-Bignami (computerized tomography and MRI in Marchiafava-Bignami disease), Bracard S; Claude D; Vespignani H; et al, *J Neuroradiol* 1986; 13: 87
- size determination of supratentorial arteriovenous malformations by MR, CT and angio, Noorbehesht B; Fabrikant JI; Enzmann DR, *Neuroradiol* 1987; 29: 512
- statistical assessment of perceptual CT scan ratings in patients with Alzheimer type dementia, LeMay M; Stafford JL; Sandor T; et al, *JCAT* 1986; 10: 802
- subacute necrotizing encephalomyelopathy (Leigh disease): CT study, Paltiel HJ; O'Gorman AM; Meagher-Villemure K; Rosenblatt B; Silver K; Watters CV, *Radiology* 1987; 162: 115
- symmetrical low density areas in bilateral thalami in an infant with measles encephalitis, Ochi J; Okuno T; Uenoyama Y; et al, *Comput Radiol* 1986; 10: 137
- temporal-lobe epilepsy: comparison of CT and MR imaging, Schorner W; Meeneke H-J; Felix R, *AJNR* 1987; 8: 773
- temporal-lobe epilepsy: comparison of CT and MR imaging, Schorner W; Meeneke H-J; Felix R, *AJR* 1987; 149: 1231
- thalamic bleeding: clinico-computed tomographic correlations, Iwasaki Y; Kinoshita M, *Comput Med Imag Graph* 1988; 12: 245
- thalamic histoplasmosis: CT and MR imaging, Dion FM; Venger BH; Landon G; et al, *JCAT* 1987; 11: 193
- three-dimensional contour surfacing of the skull, face, and brain from CT and MR images and from anatomic sections, Stimac GK; Sundsten JW; Prothero JS; et al, *AJR* 1988; 151: 807
- tuberous sclerosis: characteristics at CT and MR imaging, Altman NK; Purser RK; Post MJD, *Radiology* 1988; 167: 527
- tuberous sclerosis: CT findings and differential diagnosis, Gerard G; Weisberg L, *Comput Radiol* 1987; 11: 189
- type I schizencephaly: CT and neuropathologic findings, Bird CR; Gilles FH, *AJNR* 1987; 8: 451
- usefulness of computed tomography in predicting outcome after aneurysmal subarachnoid hemorrhage: a preliminary report of the cooperative aneurysm study, (ab), Adams HP Jr; Kassell NF; Torner JC, *Radiology* 1986; 160: 286
- value of computed tomography in patients with mucopolysaccharidosis, Nelson J; Grebbell FS, *Neuroradiol* 1987; 29: 544
- value of CT-scanning in supratentorial haemangioblastomas, Pinto JA; Pereira JR; Guimardes A; et al, *Neuroradiol* 1987; 29: 573
- vascular territories in the cerebellum and brainstem: CT and MR study, Savoiardo M; Bracchi M; Passerini A; et al, *AJNR* 1987; 8: 199
- venous angioma of the brain: CT and angiographic diagnosis, Lim GHK, *Australas Radiol* 1987; 31: 236
- water lily sign in CT of cerebral hydatid disease: a case report, Gomori JM; Cohen D; Eyd A; et al, *Neuroradiol* 1988; 30: 358
- what is expected of CT in the evaluation of stroke?, Wang A-M; Lin J-C-T; Rumbaugh CL, *Neuroradiol* 1988; 30: 54
- xenon-enhanced computed tomography in brain death, (ab), Darby JM; Yonas H; Gur D; et al, *Radiology* 1987; 165: 896
- xenon-enhanced computed tomography in brain death, (ab), Darby JM; Yonas H; Gur D, *Radiology* 1988; 166: 913

Brain, cysts

- abnormal CT scan in a patient with Gilles de la Tourette syndrome, Kjaer M; Boris P; Hansen LG, *Neuroradiol* 1986; 28: 362
- case report: magnetic resonance imaging of a colloid cyst of the third ventricle, Alcock MK; Robertson A, *Clin Radiol* 1988; 39: 308
- computed tomography and MR imaging of thalamic neuroepithelial cysts, Numaguchi Y; Connolly ES; Kumra AK; et al, *JCAT* 1987; 11: 583
- computed tomography-guided intracranial biopsy and cyst aspiration: accumulated experience in 60 patients, Savolaine ER; Greenblatt SH; Rayport M, *CT* 1987; 11: 221
- craniovertebral neuroepithelial cyst (colloid cyst), Romero FJ; Ortega A; Ibarra B; et al, *AJNR* 1987; 8: 1001
- CT-ventriculography in a cystic lesion of the third ventricle, Signorini E; Pelliccioli GP; Buoncristiani P; et al, *Eur J Radiol* 1987; 7: 114
- demonstration of a symptomatic intraventricular cyst using direct intraventricular metrizamide instillation, Blom R; Witt N; Johnson ES, *AJNR* 1986; 7: 1093
- end-stage periventricular leukomalacia: MR evaluation, Baker LL; Stevenson DK; Enzmann DR, *Radiology* 1988; 168: 809

- hypodense colloid cyst of the third ventricle, Hine AL; Chui MS; J Canad Assoc Radiol 1987; 38: 288
- magnetic resonance imaging of colloid cysts of the third ventricle, Roosen N; Gahlen D; Stork W; et al, Neuroradiol 1987; 29: 10
- MR appearance of Rathke's cleft cysts, Nemoto Y; Inoue Y; Fukuda T; et al, Neuroradiol 1988; 38: 155
- MR imaging of epidermoid cysts, Vion-Dury J; Vincentelli F; Jiddane M; et al, Neuroradiol 1987; 29: 333
- MR in the diagnosis of colloid cysts of the third ventricle, Scotti G; Scialla G; Colombo N; et al, AJNR 1987; 8: 370
- neuroepithelial cysts of the lateral ventricles: MR appearance, Czervionke LF; Daniels DL; Meyer GA; et al, AJNR 1987; 8: 609
- noncolloid neuroepithelial cysts in the lateral ventricle: magnetic resonance features, Numaguchi Y; Kumra A; Schmidt RD; et al, CT 1988; 12: 174
- porencephaly: computed tomography (CT) scan findings, Kolawole TM; Patel PJ; Mahdi AH, Comput Radiol 1987; 11: 53
- sonography of the Zellweger syndrome, Luisiri A; Sotelo-Avila C; Silberstein MJ; et al, J Ultrasound Med 1988; 7: 169
- tumors and cysts, Chuang S; Harwood-Nash D, Neuroradiol 1986; 28: 463
- ultrasound diagnosis of multiple cystic encephalomalacia, Gupta RK; Pant CS; Sharma A; et al, Pediatr Radiol 1988; 18: 6
- Brain, death**
- brain death: confirmation by radionuclide cerebral angiography, Patel YP; Gupta SM; Batson R; et al, Clin Nucl Med 1988; 13: 438
- brain death: use of dynamic CT and intravenous digital subtraction angiography, Tan WS; Wilbur AC; Jafar JJ; et al, AJNR 1987; 8: 123
- massive jugular and dural sinus reflux associated with cerebral death, Shore RM; Rao BK; Berg OB, Pediatr Radiol 1988; 18: 164
- radionuclide brain perfusion studies in suspected brain death, Kuni CC; Rogge DM, Clin Nucl Med 1986; 11: 551
- scintigraphic evaluation of brain death: significance of sagittal sinus visualization, Lee VW; Hauck RM; Morrison MC; et al, J Nucl Med 1987; 28: 1279
- xenon-enhanced computed tomography in brain death, (ab), Darby JM; Yonas H; Gur D; et al, Radiology 1987; 165: 886
- xenon-enhanced computed tomography in brain death, (ab), Darby JM; Yonas H; Gur D, Radiology 1988; 166: 913
- Brain, diseases**
- adrenoleukodystrophy: correlating MR imaging with CT, Kumar AJ; Rosenbaum AE; Naidu S; Wener L; Citrin CM; Lindenberger R; Kim WS; Zinreich SJ; Molliver ME; Mayberg HS; Moser HW, Radiology 1987; 165: 497
- Alexander's disease: cranial ultrasound findings, Harbord MG; LeQuesne GW, Pediatr Radiol 1988; 18: 227
- Alexander's disease: cranial ultrasound findings, Harbord MG; LeQuesne GW, Pediatr Radiol 1988; 18: 341
- autopsy validation of MRI in central pontine myelinolysis, Thompson AJ; Brown MM; Swash M; et al, Neuroradiol 1988; 38: 175
- basal ganglia involvement in subacute sclerosing panencephalitis: CT and MR demonstration, Woodward KG; Weinberg PE; Lipton HL, JCAT 1988; 12: 489
- case of the month: case of the forgetful gardener, Birchall IW; Bird GLA; Rutherford GS, Br J Radiol 1987; 60: 293
- case report 427, Burnstein M; Buckwalter KA; Martel W; et al, Skeletal Radiol 1987; 16: 346
- central nervous system disease in acquired immunodeficiency syndrome: prospective correlation using CT, MR imaging, and pathologic studies, Post MJD; Sheldon JJ; Hensley GT; Soile KP; Tobias JA; Chan JC; Quencer RM; Moskowitz LB, Radiology 1986; 158: 141
- central pontine myelinolysis and its imitators: MR findings, Miller GM; Baker HL Jr; Okazaki H; Whisnant JP, Radiology 1988; 168: 795
- cerebral amyloid angiopathy, (ab), Cosgrove GR; Leblanc R; Meagher-Villemure K; et al, Radiology 1986; 159: 286
- chronic portosystemic encephalopathy: embolization of portosystemic shunts, Uflacker R; de O e Silva A; Carneiro d'Albuquerque LA; Pliske RL; Mourao GS, Radiology 1987; 165: 721
- computed tomographic findings in progressive supranuclear palsy, Saitoh H; Yoshii F; Shinohara Y, Neuroradiol 1987; 29: 168
- computed tomography in neuronal ceroid lipofuscinosis: four case reports, Savolaine ER; Voeller K; Gunning W; et al, CT 1987; 11: 73
- computed tomography in Sjögren-Larsson syndrome, Comori JM; Leibovici V; Zlotogorski A; et al, Neuroradiol 1987; 29: 557
- computed tomography of bilateral thalamic hypodensity in acute encephalopathy, Tatenio A; Sakai K; Sakai S; et al, JCAT 1988; 12: 637
- computed tomography of the brain in metabolic diseases involving the central nervous system in children, Dunn DW; Weisberg LA, Comput Radiol 1987; 11: 135
- computerized tomographic findings and differential diagnostic considerations in subcortical arteriosclerotic encephalopathy (Binswanger's disease), Weisberg LA; Gerard G; Stazio A, Comput Med Imag Graph 1988; 12: 249
- cranial computed tomographic findings in patients with neurologic manifestations of systemic lupus erythematosus, Weisberg LA, Comput Radiol 1986; 10: 63
- cranial CT in the Sjögren-Larsson syndrome, Mulder LJM; Oranje AP; Loonen MCB, Neuroradiol 1987; 29: 560
- CT and MR imaging in neuro-Behcet disease, Willeit J; Schmutzhard E; Aichner F; et al, JCAT 1986; 10: 313
- CT in ceroid lipofuscinosis, (ab), Dunn DW, Radiology 1988; 166: 590
- CT in progressive supranuclear palsy, Ambrosetto P, AJNR 1987; 8: 649
- CT of the brain is alive and well, Hyman RA; Gorey MT; Nuskind RL; Black KS, Radiology 1988; 167: 877
- CT of the brain is alive and well: reply, Brant-Zawadzki M, Radiology 1988; 167: 878
- deep white matter infarction: correlation of MR imaging and histopathologic findings, Marshall VG; Bradley WG Jr; Marshall CE; Bhooat T; Rhodes RH, Radiology 1988; 167: 517
- diagnosis and follow-up of mitochondrial encephalomyopathy: CT and MR studies, Taverni N; Dal Pozzo G; Arnetoli G; et al, JCAT 1988; 12: 696
- fat within the falx: MR demonstration of falcine bony metaplasia with marrow formation, Sands SF; Farmer P; Alvarez O; et al, JCAT 1987; 11: 602
- Gd-enhanced MR imaging of acute and chronic experimental demyelinating lesions, Kuharik MA; Edwards MK; Farlow MR; et al, AJNR 1988; 9: 643
- hemimegalencephaly: MR imaging in five children, Kalifa GL; Chiron C; Sellier N; Demange P; Ponsot G; Lalande G; Robain O, Radiology 1987; 165: 29
- hypodense white matter lesions in computed tomography of neurosarcoidosis, Ketonen L; Oksanen V; Kuuliala I; et al, JCAT 1986; 10: 181
- identification of brain lesions in neuropsychiatric systemic lupus erythematosus by magnetic resonance scanning, (ab), McCune WJ; MacGuire A; Aisen A; et al, Radiology 1988; 169: 294
- infantile sudanophilic leukodystrophy: computed tomography demonstration, Sano N; Nagao H; Morimoto M; et al, Neuroradiol 1986; 28: 170
- iodine-123 HIPDM brain imaging findings in subacute spongiform encephalopathy (Creutzfeldt-Jakob disease), Shih WJ; Markesbery WR; Clark DB; et al, J Nucl Med 1987; 28: 1484
- Krabbe disease: specific MRI and CT findings, (ab), Baram TZ; Goldman AM; Percy AK, Radiology 1987; 162: 590
- Leigh disease (subacute necrotizing encephalomyelopathy): CT and MR in five cases, Geyer CA; Sartor KJ; Prensley AJ; et al, JCAT 1988; 12: 40
- leukoencephalopathy in normal and pathologic aging: 2. MRI of brain lucencies, George AE; de Leon MJ; Kalnin A; et al, AJNR 1986; 7: 567
- leukoencephalopathy in normal and pathologic aging: 1. CT of brain lucencies, George AE; De Leon MJ; Gentes CJ; et al, AJNR 1986; 7: 561
- magnetic resonance imaging diagnosis of disseminated necrotizing leukoencephalopathy, Atlas SW; Grossman RI; Packer RJ; et al, CT 1987; 11: 39
- magnetic resonance imaging in neuronal ceroid lipofuscinosis, Machen BC; Williams JP; Lum GB; et al, CT 1987; 11: 160
- magnetic resonance imaging in neurosarcoidosis, Greco A; Steiner RE, Magn Res Imag 1987; 5: 15
- magnetic resonance imaging in Pelizaeus-Merzbacher disease, Journel H; Roussey M; Gandon Y; et al, Neuroradiol 1987; 29: 403
- magnetic resonance imaging of white matter changes in traumatic leukoencephalopathy, Moser FG; Hilal SD; Bello JA; et al, CT 1988; 12: 171
- MR and CT in cytoplasmically inherited striatal degeneration, Seidenwurm D; Novotny E Jr; Marshall W; et al, AJNR 1986; 7: 629
- MR demonstration of mesencephalic lesions in osmotic demyelination syndrome (central pontine myelinolysis), Gerard E; Healy ME; Hesselink JR, Neuroradiol 1987; 29: 582
- MR diagnosis of acute disseminated encephalomyelitis, Atlas SW; Grossman RI; Goldberg HI; et al, JCAT 1986; 10: 798
- MRI appearance of AIDS subacute encephalopathy, Shabas D; Gerard G; Cunha B; et al, Comput Radiol 1987; 11: 69
- MRI in children with postinfectious disseminated encephalomyelitis, Dunn V; Bale JF Jr; Zimmerman RA; et al, Magn Res Imag 1986; 4: 25
- MR imaging in progressive multifocal leukoencephalopathy, Guilleux M-H; Steiner RE; Young IR, AJNR 1986; 7: 1033
- MR imaging of central pontine myelinolysis, Rippe DJ; Edwards MK; D'Amour PG; et al, JCAT 1987; 11: 724
- MR imaging of Pelizaeus-Merzbacher disease, Penner MW; Li KC; Gebarski SS; et al, JCAT 1987; 11: 591
- MR imaging of pontine and extrapontine myelinolysis, Morioka F; Tashiro K; Maruo Y; et al, JCAT 1988; 12: 446
- MR imaging of the brain, Brant-Zawadzki N, Radiology 1988; 166: 1
- MR of Leigh's disease (subacute necrotizing encephalomyelopathy), Davis PC; Hoffman JC Jr; Braun IF; et al, AJNR 1987; 8: 71
- multiple system atrophy (Shy-Drager syndrome): MR imaging, Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L, Radiology 1986; 159: 499
- neurosarcoidosis involving optic nerves and leptomeninges: computed tomography findings, Ey EH; Wall M; Numaguchi Y; et al, CT 1986; 10: 129
- Parkinson plus syndrome: diagnosis using high field MR imaging of brain iron, Drayer BP; Olanow W; Burger P; Johnson GA; Herfkens R; Riederer SJ, Radiology 1986; 159: 493
- pediatric case of the day: annual meeting, 1987, Towbin RB; Ball WS Jr; Witte DP; Han BK, Radiographics 1988; 8: 573
- preliminary experience of magnetic resonance imaging in neurosarcoidosis, Ketonen L; Oksanen V; Kuuliala I, Neuroradiol 1987; 29: 127
- progressive multifocal leukoencephalopathy associated with human immunodeficiency virus infection: a review of the literature with a report of sixteen cases, (ab), Berger JR; Kaszovitz B; Post MJD; et al, Radiology 1988; 167: 591
- reversible CT changes in uremic encephalopathy, Komatsu Y; Shinohara A; Kukita C; et al, AJNR 1988; 9: 215
- role of delayed computed tomographic scanning using high doses of contrast material in detecting cerebral demyelination in patients with multiple sclerosis in relapse and remission, Brooks DJ; Carr DH; Legg NJ, Br J Radiol 1987; 60: 295

- spinocerebellar degeneration: qualitative and quantitative MR analysis of atrophy, Nabatame H; Fukuyama H; Akiguchi I; et al, *JCAT* 1988; 12: 298
- subacute necrotizing encephalomyelopathy (Leigh disease): CT study, Paltiel HJ; O'Gorman AM; Meagher-Villeumure K; Rosenblatt B; Silver K; Watters GV, *Radiology* 1987; 162: 115
- subcortical arteriosclerotic encephalopathy: brain stem findings with MR imaging, Salomon A; Yeates AE; Burger PC; Heinz ER, *Radiology* 1987; 165: 625
- subcortical arteriosclerotic encephalopathy: CT spectrum and pathologic correlation, Lotz PR; Ballinger WE Jr; Quisling RG, *AJNR* 1986; 7: 817
- treatment-related leukoencephalopathy: study of three cases and literature review, (ab), Glass JP; Lee Y-Y; Bruner J; et al, *Radiology* 1987; 162: 589
- Wallerian degeneration: evaluation with MR imaging, Kuhn MJ; Johnson KA; Davis KR, *Radiology* 1988; 168: 199
- Brain, edema**
- acute cerebral infarction in monkeys: experimental study using MR imaging, Unger EC; Gado MH; Filling KF; Littlefield JL, *Radiology* 1987; 162: 789
- cerebral edema following iodine-131 therapy for thyroid carcinoma metastatic to the brain, Datz FL, *J Nucl Med* 1986; 27: 637
- clinical and experimental vasogenic edema: in vivo sodium MR imaging, work in progress, Turksi PA; Perman WH; Hald JK; Houston LW; Strother CM; Sackett JF, *Radiology* 1986; 160: 821
- correlation of human NMR T₁ values measured *in vivo* and brain water content, MacDonald HL; Bell BA; Smith MA; et al, *Br J Radiol* 1986; 59: 355
- fatal brain edema after contrast-agent overdose, Juncal L; Marshall WH, *AJNR* 1986; 7: 522
- magnetic resonance imaging study of experimental cerebral edema and its response to dexamethasone, Barnes D; McDonald WL, *Magn Res Med* 1988; 7: 125
- nuclear magnetic resonance relaxation in experimental brain edema: effects of water concentration, protein concentration, and temperature, Kamman RL; Go KG; Brouwer W; et al, *Magn Res Med* 1988; 6: 265
- peritumoral edema in meningiomas: radiological and histological study, Bradac GB; Ferszt R; Bender A; et al, *Neuroradiol* 1986; 28: 304
- significance of proton relaxation time measurement in brain edema, cerebral infarction and brain tumors, Naruse S; Horikawa Y; Tanaka C; et al, *Magn Res Imag* 1986; 4: 293
- Brain, effects of drugs on**
- effect of antiepileptic and narcotic drugs on N-isopropyl p-iodoamphetamine biodistribution in animals, Moretti JL; Holman BL; Delmon L; et al, *J Nucl Med* 1987; 28: 354
- visualization of specific binding sites of benzodiazepine in human brain, Shinotoh H; Yamasaki T; Inoue O; et al, *J Nucl Med* 1986; 27: 1593
- Brain, effects of irradiation on**
- adverse effects of brain irradiation correlated with MR and CT imaging, Constine LS; Kanski A; Ekholm S; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 319
- brain radiation lesions: MR imaging, Dooms GC; Hecht S; Brant-Zawadzki M; Berthiaume Y; Norman D; Newton TH, *Radiology* 1986; 158: 149
- cerebral necrosis after radiotherapy and/or intraarterial chemotherapy for brain tumors: PET and neuropathologic studies, Di Chiro G; Oldfield E; Wright DC; et al, *AJNR* 1987; 8: 1083
- effect of moderate level x-radiation to brain on cerebral glucose utilization, Ito M; Patronas NJ; Di Chiro G; et al, *JCAT* 1986; 10: 584
- experimental radiation injury: combined MR imaging and spectroscopy, Grossman RI; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle TJ; McGrath JT; Curran WJ; Shetty A; Joseph PM, *Radiology* 1988; 169: 305
- late radiation effects in the mouse brain: a quantitative study on PAS positive deposits, Yoshi Y; Maki Y, *Acta Oncol* 1987; 26: 373
- magnetic resonance imaging of cranial radiation lesions, Curran WJ; Hecht-Leavitt C; Schut L; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1093
- MR of brain radiation injury: experimental studies in cats, Hecht-Leavitt C; Grossman RI; Curran WJ Jr; et al, *AJNR* 1987; 8: 427
- normal brain iodine-125 radiation damage: effect of dose and irradiated volume in a canine model, Turowski K; Fike JR; Cann CE; Higgins RJ; Davis RL; Gutin PH; Phillips TL; Weaver KA, *Radiology* 1986; 158: 833
- radiation dose response of normal brain, Fike JR; Cann CE; Turowski K, *Int J Radiat Oncol Biol Phys* 1988; 14: 63
- radiation effects on cerebral white matter: MR evaluation, Tsuruda JS; Kortman KE; Bradley WG; et al, *AJNR* 1987; 8: 431
- Brain, enlarged**
- atrial ventricular diverticulum: sonographic diagnosis, Karnaze MG; Shackelford CD; Abramson CL, *AJNR* 1987; 8: 721
- developmental features of the neonatal brain: MR imaging, part II, ventricular size and extracerebral space, McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG, *Radiology* 1987; 162: 230
- effect of ventricular dilatation upon biometry of the fetal head, Callen PW; Chooljian D, *J Ultrasound Med* 1986; 5: 17
- hemimegalencephaly: MR imaging in five children, Kalifa GL; Chiron C; Sellier N; Demange P; Ponsot G; Lalande G; Robain O, *Radiology* 1987; 165: 29
- Klippel-Trenaunay-Weber syndrome: a case with cerebral and cerebellar hemihypertrophy, Anlar B; Yazal K; Erzen C, *Neuroradiol* 1988; 30: 360
- Brain, growth and development**
- association of heterotopic gray matter with seizures: MR imaging, work in progress, Smith AS; Weinstein M; Quencer RM; Muroff LR; Stonessier KJ; Li FC; Wener L; Solomon MA; Cruse RP; Rosenberg LH; Berke JP, *Radiology* 1988; 168: 195
- developmental features of the neonatal brain: MR imaging, part I, gray-white matter differentiation and myelination, McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG, *Radiology* 1987; 162: 223
- developmental features of the neonatal brain: MR imaging, part II, ventricular size and extracerebral space, McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG, *Radiology* 1987; 162: 230
- focal vulnerability of developing brain: CT studies on disproportionately dilated lateral ventricles, Nishimura M; Ieshima A; Takashima S; et al, *Neuroradiol* 1986; 28: 30
- immature brain: spin-echo pulse sequence parameters for high-contrast MR imaging, Nowell MA; Hackney DB; Zimmerman RA; Bilaniuk LT; Grossman RI; Goldberg HI, *Radiology* 1987; 162: 272
- MRI of normal brain maturation, Holland BA; Haas DK; Norman D; et al, *AJNR* 1986; 7: 201
- normal maturation of the neonatal and infant brain: MR imaging at 1.5 T, Barkovich AJ; Kjos BO; Jackson DE Jr; Norman D, *Radiology* 1988; 166: 173
- Brain, hematoma**
- See Brain, hemorrhage
- Brain, hemorrhage**
- abnormalities of the neonatal brain: MR imaging, part I, intracranial hemorrhage, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Crofford MJ; Amparo EG, *Radiology* 1987; 163: 387
- acute epidural hematoma following decompressive surgery of a subdural hematoma, Thibodeau M; Melanson D; Ethier R, *J Canad Assoc Radiol* 1987; 38: 52
- acute intracranial hemorrhage: intensity changes on sequential MR scans at 0.5 T, Zimmerman RD; Heier LA; Snow RB; et al, *AJNR* 1988; 9: 47
- acute subdural hematoma mimicking epidural hematoma on CT, Braun J; Borovich B; Guilburd JN; et al, *AJNR* 1987; 8: 171
- acute subdural hematomas: atypical CT findings, Reed D; Robertson WD; Graeb DA; et al, *AJNR* 1986; 7: 417
- air in extradural hematomas, Bhatia S; Mahapatra AK; Banerji AK, *Neuroradiol* 1987; 29: 500
- analysis of the clinical and computed tomographic findings in isodense subdural hematoma, Weisberg LA, *Comput Radiol* 1986; 4: 245
- behavioral responsiveness in preterm infants with intraventricular hemorrhage, (ab), Garcia-Coli CT; Emmons L; Vohr BR; et al, *Radiology* 1988; 168: 888
- best fit method, a simple way for measuring the volume of an intracerebral hematoma, Franke CL; Versteeg CWM; van Gijn J, *Neuroradiol* 1988; 30: 73
- bilateral interhemispheric subdural hematoma: a case report, Cronin TG; Shippey DU, *AJNR* 1987; 8: 909
- brain abscess with hemorrhage, Orita T; Fujii M; Hayashi M; et al, *Neuroradiol* 1987; 29: 576
- cardioembolic stroke, early anticoagulation, and brain hemorrhage, (ab), Cerebral Embolism Study Group, *Radiology* 1987; 164: 885
- case report: intracranial subdural hematoma complicating metrizamide myelography, Llewellyn CG; Campbell DR; Quartey GRC, *J Canad Assoc Radiol* 1988; 39: 230
- cerebral arterial spasm after subarachnoid hemorrhage: case report with SPECT and iodine-123 HIPDM, Di Piero V; Caneschi S; Boissio CB; et al, *Clin Nucl Med* 1987; 12: 395
- cerebral venous angioma of the pons: report of a case with pontine hemorrhage, Ibayashi S; Sadoshima S; Ogata K; et al, *CT* 1986; 10: 377
- chronic subdural hematoma: correlation of computerized tomography with colour, Naim-ur-Rahman, *Neuroradiol* 1987; 29: 40
- chronic subdural hematomas: time-density curve and iodine concentration in enhanced CT, Karasawa H; Tomita S; Suzuki S, *Neuroradiol* 1987; 29: 36
- cranial ultrasonography of neonatal periventricular/intraventricular hemorrhage: who, how, why and when?, Kirks DR; Bowie JD, *Pediatr Radiol* 1986; 16: 114
- CT classification of small thalamic hemorrhages and their clinical implications, (ab), Kawahara N; Sato K; Muraki M; et al, *Radiology* 1987; 162: 887
- CT demonstration of fat-embolism-associated hemorrhage in the anterior commissure, Beers GJ; Nichols GR; Willing ST, *AJNR* 1988; 9: 212
- CT of the brain is alive and well, Hyman RA; Gorey MT; Nuskind RL; Black KS, *Radiology* 1988; 167: 877
- CT of the brain is alive and well: reply, Brant-Zawadzki M, *Radiology* 1988; 167: 878
- CT visualization of ruptured Berry aneurysm within hematoma: flip-flop sign, McCormack J; Peyster RG; Brodner RA; et al, *JCAT* 1986; 10: 28
- delayed onset of traumatic extradural hematoma, (ab), Borovich B; Braun J; Guilburd JN; et al, *Radiology* 1986; 159: 573
- empty delta sign: frequency and significance in 76 cases of dural sinus thrombosis, Virapongse C; Cazenave C; Quisling RG; Sarwar M; Hunter S, *Radiology* 1987; 162: 779
- gallium-67 imaging: cephalohematoma, Sty JR; Wells RG; Gregg DC; et al, *Clin Nucl Med* 1987; 12: 821
- hemorrhage in cavum septi pellucidi, Vade A; McKusick M; Michael A, *Pediatr Radiol* 1986; 16: 417
- hemorrhagic and nonhemorrhagic brain lesions: evaluation with 0.35-T fast MR imaging, Winkler ML; Olsen WL; Mills TC; Kaufman L, *Radiology* 1987; 165: 293
- hemorrhagic intracranial malignant neoplasms: spin-echo MR imaging, Atlas SW; Grossman RI; Gomori JM; Hackney DB; Goldberg HI; Zimmerman RA; Bilaniuk LT, *Radiology* 1987; 164: 71
- hemorrhagic primary intracranial neoplasms: clinical-computed tomographic correlations, Weisberg LA, *Comput Radiol* 1986; 10: 131

- high-field MRI of hemorrhagic cortical infarction, Hecht-Leavitt C; Gomori JM; Grossman RI; et al. *AJNR* 1986; 7: 581
- high-field spin-echo MR imaging of superficial and subependymal siderosis secondary to neonatal intraventricular hemorrhage, Gomori JM; Grossman RI; Goldberg HI; et al. *Neuroradiol* 1987; 29: 339
- histologic evolution of the reactions to hemorrhage in the premature human infant's brain: a combined ultrasound and autopsy study and a comparison with the reaction in adults, (ab), Darrow VC; Alvord EC Jr; Mack LA; et al. *Radiology* 1988; 168: 295
- imaging of the aging brain: part II. pathologic conditions, Drayer BP. *Radiology* 1988; 166: 797
- increased density of tentorium and falx: false positive CT sign of subarachnoid hemorrhage, Spiegel SM; Fox AJ; Vinuela FV; et al. *Canad Assoc Radiol* 1986; 37: 243
- intracerebral hematoma developing during MR examination, Nose T; Enomoto T; Hyodo A; et al. *JCAT* 1987; 11: 184
- intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, Taylor GA; Fitz CR; Miller MK; Garin DB; Catena LM; Short BL. *Radiology* 1987; 165: 675
- intracranial hematomas: imaging by high-field MR, Zimmerman RD; Deck MDF. *Radiology* 1986; 159: 565
- intracranial hematomas: imaging by high-field MR: reply, Gomori JM; Grossman RI. *Radiology* 1986; 159: 566
- intracranial hemorrhage: gradient-echo MR imaging at 1.5 T. comparison with spin-echo imaging and clinical applications, Atlas SW; Mark AS; Grossman RI; Gomori JM. *Radiology* 1988; 168: 803
- intraparenchymal hemorrhage in preterm neonates: a broadening spectrum, Schellinger D; Grant EG; Manz HJ; et al. *AJNR* 1988; 9: 327
- intraparenchymal hemorrhage in preterm neonates: a broadening spectrum, Schellinger D; Grant EG; Manz HJ; et al. *AJR* 1988; 150: 1109
- intrauterine skull depression and intracranial hemorrhage in a premature infant, Batton DG; DiCarmino F; Boal DK. *Pediatr Radiol* 1988; 18: 181
- intraventricular hemorrhage in extremely small premature infants, (ab), Perlman JM; Volpe JJ. *Radiology* 1987; 164: 888
- isodense middle fossa arachnoid cyst and subdural hematoma: a diagnostic problem on CT, Lund E; Buhl M; Miletic T; et al. *J Neuroradiol* 1987; 14: 89
- isolated ventricles following intraventricular hemorrhage, (ab), Eller TW; Pasternak JF. *Radiology* 1986; 158: 284
- low-level echogenicity in intraventricular hemorrhage versus ventriculitis, Grant EG; White EM; Schellinger D; Rosenbach D. *Radiology* 1987; 163: 471
- magnetic resonance imaging of intracranial hemorrhage, Barkovich AJ; Atlas SW. *Radiol Clin North Am* 1988; 26: 801
- mechanisms responsible for the MR appearance and evolution of intracranial hemorrhage, Gomori JM; Grossman RI. *Radiographics* 1988; 8: 427
- mesencephalic hemorrhage and third nerve palsy, Shuaib A; Murphy W. *CT* 1987; 11: 385
- metastatic adenocarcinoma of the prostate as a cause of subdural hematoma, (ab), Bucci MN; Farhat SM. *Radiology* 1986; 160: 858
- MR imaging of the brain, Brant-Zawadzki N. *Radiology* 1988; 166: 1
- neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, Taylor GA; Glass P; Fitz CR; Miller MK. *Radiology* 1987; 165: 679
- nontraumatic intracerebral hemorrhage in young adults, (ab), Toffoli GJ; Biller J; Adams HP Jr. *Radiology* 1987; 165: 887
- nontraumatic lobar intracerebral hemorrhage: CT/angiographic correlation, Loes DJ; Smoker WRK; Biller J; et al. *AJNR* 1987; 8: 1027
- organized intracerebral hematoma with acute hemorrhage: CT patterns and pathologic correlations, Lee Y-Y; Moser R; Bruner JM; et al. *AJNR* 1986; 7: 409
- partially thrombosed giant intracranial aneurysms: correlation of MR and pathologic findings, Atlas SW; Grossman RI; Goldberg HI; Hackney DB; Bilaniuk LT; Zimmerman RA. *Radiology* 1987; 162: 111
- pericerebellar fluid collections in infancy, sequelae of birth injury? a retrospective CT study, Thompson JR; Fetz RC; Hinshaw DB Jr; et al. *Neuroradiol* 1987; 29: 453
- perinatal factors and periventricular-intraventricular hemorrhage in preterm infants, (ab), Van De Bor M; Van Bel F; Lineman R; et al. *Radiology* 1987; 164: 592
- periventricular intraparenchymal echodensities in the premature newborn: critical determinant of neurologic outcome, (ab), Guzzetta F; Shackelford GD; Volpe S; et al. *Radiology* 1987; 164: 294
- periventricular leukomalacia in combination with intraventricular hemorrhage: sonographic features and sequelae, Grant EG; Schellinger D; Smith Y; et al. *AJNR* 1986; 7: 443
- prognostic factors in intraparenchymatous hematoma with ventricular hemorrhage, Rusalleda J; Peiro A. *Neuroradiol* 1986; 28: 34
- prolonged mechanical ventilation and intracranial hemorrhage: impact on developmental progress through 18 months in infants weighing 1,200 grams or less at birth, (ab), Bozynski MEA; Nelson MN; Matalon TAS; et al. *Radiology* 1987; 165: 591
- reduction in incidence of periventricular, intraventricular hemorrhages in hypertensive newborn beagles pretreated with phenobarbital, (ab), Goddard-Finegold J; Armstrong DL. *Radiology* 1987; 165: 888
- sequential MR studies of intracerebral hematomas in monkeys, Di Chiro G; Brooks RA; Gorton ME; et al. *AJNR* 1986; 7: 193
- significance of the fluid-blood interface in intracranial hematomas in anticoagulated patients, Weisberg LA. *Comput Radiol* 1987; 11: 175
- sonographic diagnosis of a subdural hematoma as the initial manifestation of hemophilia in a newborn, Franze J; Forrest TS. *J Ultrasound Med* 1988; 7: 149
- sonography of the premature brain: intracranial hemorrhage and periventricular leukomalacia, Grant EG. *Neuroradiol* 1986; 28: 476
- spin-echo MR imaging of intracranial hemorrhage, Dooms GC; Uske A; Brant-Zawadzki M; et al. *Neuroradiol* 1986; 28: 132
- spontaneous hemorrhage in previously ischemic (pale) cerebellar infarcts, Garcia CA; Weisberg LA; McGarry PA; et al. *Comput Radiol* 1986; 10: 55
- subacute intracranial hemorrhage: contribution of spin density to appearance on spin-echo MR images, Hackney DB; Atlas SW; Grossman RI; Gomori JM; Goldberg HI; Zimmerman RA; Bilaniuk LT. *Radiology* 1987; 165: 199
- T2 effect of hemoglobin concentration: assessment with in vitro MR spectroscopy, Hayman LA; Ford JJ; Taber KH; Saleem A; Round ME; Bryan RN. *Radiology* 1988; 168: 489
- T2 estimates in healthy and diseased brain tissue: comparison using various MR pulse sequences, Darwin RH; Drayer BP; Riederer SJ; Wang HZ; MacFall JR. *Radiology* 1986; 160: 375
- technetium 99m HMPAO scanning in patients with subarachnoid haemorrhage: a preliminary study, Rawluk D; Smith FW; Deans HE; et al. *Br J Radiol* 1988; 61: 26
- thalamic bleeding: clinico-computed tomographic correlations, Iwasaki Y; Kinoshita M. *Comput Med Imag Graph* 1988; 12: 245
- unusual case of intracerebral hematoma caused by an indriven fragment of bone: ultrasound evaluation with CT correlation, Weinberg B; Gonzalez R; Diakoumakis EE; et al. *JCU* 1988; 16: 52
- variable appearances of subacute intracranial hematomas on high-field spin-echo MR, Gomori JM; Grossman RI; Hackney DB; et al. *AJNR* 1987; 8: 1019
- Brain, hernia**
- callosomarginal infarction secondary to transforaminal herniation, Rothfus WE; Goldberg AL; Tabas JH; et al. *AJNR* 1987; 8: 1073
- chronic cerebral herniation in shunted Dandy-Walker malformation, Naidich TP; Radkowski MA; McLone DG; Leestma J. *Radiology* 1986; 158: 431
- fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies, Nyberg DA; Mack LA; Hirsch J; Pagon RO; Shepard TH. *Radiology* 1987; 163: 187
- "keyhole": sign of herniation of a trapped fourth ventricle and other posterior fossa cysts, Wolfson BJ; Faerber EN; Truex RC Jr. *AJNR* 1987; 8: 473
- nasal glioma and encephalocele: two separate entities. report of two cases, (ab), Younus M; Coode PE. *Radiology* 1987; 162: 295
- Brain, hydrocephalus**
- aqueductal stenosis: evaluation with gradient-echo rapid MR imaging, Atlas SW; Mark AS; Fram EK. *Radiology* 1988; 169: 449
- atrial ventricular diverticulum: sonographic diagnosis, Karnaze MG; Shackelford GD; Abramson CL. *AJR* 1987; 149: 569
- cerebral blood flow velocity waveforms in hydrocephalic fetuses, Kirkinen P; Muller R; Baumann H; et al. *JCU* 1988; 16: 493
- chronic cerebral herniation in shunted Dandy-Walker malformation, Naidich TP; Radkowski MA; McLone DG; Leestma J. *Radiology* 1986; 158: 431
- cisternal ventricle, Jinkins JR. *AJNR* 1988; 9: 111
- congenital constriction of the foramen of Monro, Marions O; Boethius J. *Neuroradiol* 1986; 28: 275
- diagnosis of fetal hydrocephalus prior to 22 weeks, Benacerraf BR; Birmholz JC. *JCU* 1987; 15: 531
- early changes in experimental hydrocephalus, Diggs J; Price AC; Burt AM; et al. *Invest Radiol* 1986; 21: 118
- effect of ventricular dilatation upon biometry of the fetal head, Callen PW; Chooljian D. *J Ultrasound Med* 1986; 5: 17
- exclusion of fetal ventriculomegaly with a single measurement: the width of the lateral ventricular atrium, Cardoza JD; Goldstein RB; Filly RA. *Radiology* 1988; 169: 711
- external hydrocephalus: radiologic spectrum and differentiation from cerebral atrophy, Maytal J; Alvarez LA; Elkin CM; et al. *AJNR* 1987; 8: 271
- fetal hydrocephalus: diagnosis and significance, Benacerraf BR. *Radiology* 1988; 169: 858
- fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies, Nyberg DA; Mack LA; Hirsch J; Pagon RO; Shepard TH. *Radiology* 1987; 163: 187
- fetal hydrocephaly: diagnosis, prognosis and management, van Egmond-Linden A; Wladimiroff JW; Niermeijer MF; et al. *Ultrasound Med Biol* 1986; 12: 939
- fetal subarachnoid cisterns: ultrasound study with report of a case of congenital communicating hydrocephalus, Piliu G; De Palma L; Romero R; et al. *J Ultrasound Med* 1986; 5: 365
- flowing cerebrospinal fluid in normal and hydrocephalic states: appearance on MR images, Bradley WG Jr; Kortman KE; Burgoyne B. *Radiology* 1986; 159: 611
- gliomatosis cerebri presenting with hydrocephalus and dementia, Dickson DW; Horoupian DS; Thal LJ; et al. *AJNR* 1988; 9: 200
- hydrocephalus and mental retardation in craniostenosis, (ab), Noetzel MJ; Marsh JL; Palke H; et al. *Radiology* 1986; 159: 575
- isotope cisternography in patients with intracranial hypertension, Hayashi M; Kobayashi H; Kawano H; et al. *J Nucl Med* 1986; 27: 471
- lobar holoprosencephaly with hydrocephalus: antenatal demonstration and differential diagnosis, Hoffman-Tretin JC; Horoupian DS; Koenigsberg M; et al. *J Ultrasound Med* 1986; 5: 691

- low-level echogenicity in intraventricular hemorrhage versus ventriculitis, Grant EG; White EM; Schellinger D; Rosenbach D, *Radiology* 1987; 165: 471
- management of hydrocephalus in infancy: use of acetazolamide and furosemide to avoid cerebrospinal fluid shunts, (ab), Shinnar S; Gammon K; Bergman EW Jr; et al, *Radiology* 1986; 158: 282
- mild idiopathic lateral cerebral ventricular dilatation in utero: sonographic evaluation, Mahony BS; Nyberg DA; Hirsch JH; Petty CN; Hendricks S; Mack LA, *Radiology* 1988; 169: 715
- MR appearance of CSF flow in patients with ventriculomegaly, Sherman JL; Citrin CM; Gangarosa RE; et al, *AJNR* 1986; 7: 1025
- MR evaluation of hydrocephalus, El Gammal T; Allen MB Jr; Brooks BS; et al, *AJNR* 1987; 8: 591
- MR findings in normal-pressure hydrocephalus: significance and comparison with other forms of dementia, Jack CR Jr; Mokri B; Laws ER Jr; et al, *JCAT* 1987; 11: 923
- MRI and hydrocephalus in childhood, Britton J; Marsh H; Kendall B; et al, *Neuroradiol* 1988; 30: 310
- neurosonography of hydrocephalus in infants, Shackelford GD, *Neuroradiol* 1986; 28: 452
- pericerebellar fluid collections in infancy: sequelae of birth injury? a retrospective CT study, Thompson JR; Fetz RC; Hinshaw DB Jr; et al, *Neuroradiol* 1987; 29: 453
- perimesencephalic cistern obliteration: a CT sign of life-threatening shunt failure, (ab), Johnson DL; Fitz C; McCullough DC; et al, *Radiology* 1987; 162: 295
- serial lumbar punctures in prevention of post-hemorrhagic hydrocephalus in preterm infants, (ab), Anwar M; Kadam S; Hiatt IM; et al, *Radiology* 1986; 158: 862
- solitary myeloblastoma presenting as acute hydrocephalus: review of literature, implications for therapy, Fruauff AA; Barasch ES; Rosenthal A, *Pediatr Radiol* 1988; 18: 369
- sonographic evaluation of cerebral cortical mantle thickness in the fetus and neonate with hydrocephalus, Callen PW; Hashimoto BE; Newton TH, *J Ultrasound Med* 1986; 5: 251
- sonographic sign which predicts which fetuses with hydrocephalus have an associated neural tube defect, Penso C; Redline RW; Benacerat BR, *J Ultrasound Med* 1987; 6: 307
- surgical treatment of idiopathic hydrocephalus in elderly patients, (ab), Petersen RC; Mokri B; Laws ER Jr, *Radiology* 1986; 158: 572
- ultrasound-guided selective feticide of hydrocephalic fetus in triplet pregnancy, Shalev E; Issacov D; Weiner E; et al, *JCU* 1988; 16: 41
- valvulography in the assessment of hydrocephalus shunt function in children, Seppanen U; Serlo W; Saukkonen A-L, *Neuroradiol* 1987; 29: 53
- ### Brain, infection
- abnormalities of the neonatal brain: MR imaging, part II. hypoxic-ischemic brain injury, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Amparo EG, *Radiology* 1987; 163: 395
- acute cerebral infection in monkeys: experimental study using MR imaging, Unger EC; Gado MH; Fulfilling KF; Littlefield JL, *Radiology* 1987; 162: 789
- acute stroke: detection of changes in cerebral perfusion with dynamic CT scanning, Shih TTF; Huang K-M, *Radiology* 1988; 169: 469
- callosomarginal infarction secondary to transforaminal herniation, Rothfus WE; Goldberg AL; Tabas JH; et al, *AJNR* 1987; 8: 1073
- case report. Moyamoya disease: unusual cause of cerebral infarction, Wood CH; Jeans WD; Coakham HB, *Clin Radiol* 1986; 37: 289
- case report: pituitary apoplexy: unusual cause of stroke, Clark JDA; Freer CEL; Wheatley T, *Clin Radiol* 1987; 38: 75
- caudate nucleus infarction demonstrated by N-isopropyl-p-iodoamphetamine SPECT imaging using a rotating gamma camera, Polak JF; Mueller SP; Holman BL, *Clin Nucl Med* 1986; 11: 718
- cerebral infarction from non-bacterial thrombotic endocarditis: clinical and pathological study including the effects of anticoagulation, (ab), Rogers LR; Cho E-S; Kempin S; et al, *Radiology* 1988; 167: 295
- cerebral infarction in child abuse: diagnosis by technetium-99m methylene diphosphonate skeletal scintigraphy, Glasier CM; Seibert JJ; Williamson SL, *Clin Nucl Med* 1987; 12: 897
- cerebral infarction pattern identified on emission computed tomography using technetium-99m MDP, Wallace JC; Beyea D, *Clin Nucl Med* 1988; 13: 268
- cerebral infarction: shortcomings of angiography in the evaluation of intracranial cerebrovascular disease in 25 cases, (ab), Stillman MJ; Ronthal M; Kleefeld J; et al, *Radiology* 1988; 166: 914
- chronic adult cerebral infarction studied by phosphorus NMR spectroscopy, Bottomley PA; Drayer BP; Smith LS, *Radiology* 1986; 160: 763
- clinical magnetic susceptibility mapping of the brain, Young IR; Khenia S; Thomas DGI; et al, *JCAT* 1987; 11: 2
- concealment of neonatal cerebral infarction on MRI by normal brain water, Moore JB; Parker CP; Smith RJ; et al, *Pediatr Radiol* 1987; 17: 314
- CT demonstration of brain infarcts due to deep venous thrombosis in systemic lupus erythematosus, Shah ZK; Bellon EM; Toor AH; et al, *Comput Med Imag Graph* 1988; 12: 241
- CT of subinsular infarction and ischemia, Cobb SR; Mehlinger CM; Itabashi HH; et al, *AJNR* 1987; 8: 221
- deep white matter infarction: correlation of MR imaging and histopathologic findings, Marshall VG; Bradley WG Jr; Marshall CE; Bhooapat T; Rhodes RH, *Radiology* 1988; 167: 517
- demonstration of focal hyperemia in acute cerebral infarction with iodine-123 iodoamphetamine, Bushnell DL; Gupta S; Micoch AG; et al, *J Nucl Med* 1987; 28: 1920
- diagnosis of Alzheimer's disease and multiple infarct dementia by tomographic imaging of iodine-123 IMP, Cohen MB; Graham LS; Lake R; et al, *J Nucl Med* 1986; 27: 769
- dichotomy between clinical findings and MR abnormalities in pontine infarction, Biller J; Adams HP Jr; Dunn V; et al, *JCAT* 1986; 10: 379
- early CT finding in cerebral infarction: obscuration of the lentiform nucleus, Tomura N; Uemura K; Inugami A; Fujita H; Higano S; Shishido F, *Radiology* 1988; 168: 463
- early CT sign of ischemic infarction: increased density in a cerebral artery, Pressman BD; Tourje EJ; Thompson JR, *AJNR* 1987; 8: 645
- fatal systemic arterial air embolism following lung needle aspiration, Aberle DR; Gamsu G; Golden JA, *Radiology* 1987; 165: 351
- frequency and patterns of abnormality detected by iodine-123 amine emission CT after cerebral infarction, Brott TG; Gelfand MJ; Williams CC; Spilker JA; Hertzberg VS, *Radiology* 1986; 158: 729
- human brain infarcts: imaging by MR enhanced Gd-DTPA, Virapongse C; Mancuso AA; Quisling RG, *Radiology* 1986; 161: 785
- idiopathic cerebral arterial infarction with paucity of symptoms in the full-term neonate, (ab), Roodhooft AM; Parizel PM; Van Acker KJ; et al, *Radiology* 1988; 168: 296
- localized cerebral infarction in the premature infant: an ultrasound diagnosis correlated with computed tomography and magnetic resonance imaging, (ab), De Vries LS; Regier R; Connell JA; et al, *Radiology* 1988; 168: 591
- magnetic resonance imaging in young adults with cerebral infarction due to moyamoya, (ab), Bruno A; Yuh WTC; Biller J; et al, *Radiology* 1988; 169: 294
- magnetic resonance imaging of human cerebral infarction: enhancement with Gd-DTPA, Imakita S; Nishimura T; Naito H; et al, *Neuroradiol* 1987; 29: 422
- migraine stroke, (ab), Bogousslavsky J; Regli F; Van Melle G; et al, *Radiology* 1986; 169: 589
- MR and CT of lacunar infarcts, Brown JJ; Hesselink JR; Rothrock JF, *AJNR* 1988; 9: 477
- MRI of sickle cell cerebral infarction, Zimmerman RA; Gill F; Goldberg HL; et al, *Neuroradiol* 1987; 29: 232
- natural history of lacunar infarction: the Oxfordshire Community stroke project, (ab), Bamford J; Sandercock P; Jones L; et al, *Radiology* 1988; 166: 295
- nonhemorrhagic cerebral infarction in young adults, (ab), Adams HP Jr; Butler MJ; Biller J; et al, *Radiology* 1987; 162: 295
- normal perivascular spaces mimicking lacunar infarction: MR imaging, Jungreis CA; Kanal E; Hirsch WL; Martinez AJ; Mooney J, *Radiology* 1988; 169: 101
- positron CT imaging of an impending stroke, Itoh M; Hatazawa J; Pozzilli C; et al, *Neuroradiol* 1988; 30: 276
- progressive supranuclear palsy and multifactorial state, (ab), Dubinsky RM; Jankovic J, *Radiology* 1988; 166: 296
- significance of proton relaxation time measurement in brain edema, cerebral infarction and brain tumors, Naruse S; Horikawa Y; Tanaka C; et al, *Magn Res Imag* 1986; 4: 293
- silent infarction of the brain: incidental finding demonstrated by SPECT, Mountz JM; Malinoff H; Wilson MW, *Clin Nucl Med* 1988; 13: 498
- sonography of cerebral infarction in infancy, Hernandez-Schulman M; Cohen W; Genieser NB, *AJNR* 1988; 9: 131
- spontaneous hemorrhage in previously ischemic (pale) cerebral infarcts, Garcia CA; Weisberg LA; McGarry FA; et al, *Comput Radiol* 1986; 10: 55
- "top of the basilar" syndrome: a comparison of clinical and MR findings, Barkhof F; Valk J, *Neuroradiol* 1988; 30: 293
- unilateral watershed cerebral infarcts, (ab), Bogousslavsky J; Regli F, *Radiology* 1987; 162: 887
- vascular territories in the cerebellum and brainstem: CT and MR study, Savoia M; Bracchi M; Passerini A; et al, *AJNR* 1987; 8: 199
- Wallerian degeneration: evaluation with MR imaging, Kuhn MJ; Johnson KA; Davis KR, *Radiology* 1988; 168: 199
- watershed infarction in a case of polycythemia vera, Yazdi R; Cote C, *Clin Nucl Med* 1986; 11: 665
- what is expected of CT in the evaluation of stroke?, Wang A-M; Lin J-C-T; Rumbaugh CL, *Neuroradiol* 1988; 30: 54
- ### Brain, infection
- advantage of magnetic resonance imaging in the diagnosis of cerebral infections, Schroth G; Kretschmar K; Gawehn J; et al, *Neuroradiol* 1987; 29: 120
- cerebral mucormycosis: a case report, Narang AK; Dina TS, *Comput Med Imag Graph* 1988; 12: 259
- cerebral sparganosis: CT characteristics, Chang KH; Cho SY; Chi JG; Kim WS; Han MC; Kim C-W; Myung H; Choi KS, *Radiology* 1987; 165: 505
- cerebral toxoplasmosis: clinical features and correlation with computed tomography, (ab), Daunt N; Jayasinge LSJ, *Radiology* 1986; 158: 860
- cranial and epidural mycetoma caused by streptomyces somaliensis, Naim-Ur-Rahman; Abdullah AK; Hawass N-E-D; et al, *Neuroradiol* 1987; 29: 95
- cranial manifestations of aspergillosis, Jenkins JR; Siqueira E; Al-Kawi MZ, *Neuroradiol* 1987; 29: 181
- CT features of early *Listeria monocytogenes* cerebritis, Haykal H; Zamani A; Wang A-M; et al, *AJNR* 1987; 8: 279
- CT findings of cerebral paragonimiasis in the chronic state, Udaka F; Okuda B; Okada M; et al, *Neuroradiol* 1988; 30: 31
- CT of the brain is alive and well, Hyman RA; Gorey MT; Nuskind RL; Black KS, *Radiology* 1988; 167: 877
- CT of the brain is alive and well: reply, Brant-Zawadzki M, *Radiology* 1988; 167: 878
- echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy, Teale RL; Hernandez-Schulman M; Sotrel A, *Radiology* 1988; 169: 423

- intracranial tuberculosis due to *Mycobacterium bovis*, Guest SS; Sivit CJ; Meisler WJ; et al, *Comput Radiol* 1987; 11: 151
- isolated cerebral mucormycosis: case report with CT and pathologic correlation, Ginsberg F; Feyter RG; Hoover ED; et al, *AJNR* 1987; 8: 558
- MR imaging of intracranial cysticercosis: comparison with CT and anatomopathologic features, Suss RA; Maravilla KR; Thompson J, *AJNR* 1986; 7: 235
- MR imaging of intraventricular cysticercosis, Rhee RS; Kumasaki DY; Sawar M; et al, *JCAT* 1987; 11: 598
- MR imaging of the brain, Brant-Zawadzki N, *Radiology* 1988; 166: 1
- MRI of *Listeria rhombencephalitis*, Just M; Kramer G; Higer HP; et al, *Neuroradiol* 1987; 29: 401
- multiple intracranial hydatid cysts, Gordillo I; Millan JM; Escudero L; et al, *Neuroradiol* 1986; 28: 285
- neonatal herpes simplex encephalitis: correlation of clinical and CT findings, Noorbehesht B; Enzmann DR; Sullender W; Bradley JS; Arvin AM, *Radiology* 1987; 162: 813
- opportunistic intracranial infection in AIDS detection by technetium-99m DTPA brain scintigraphy, Shih W-J; Domstad PA; DeLand FH, *J Nucl Med* 1986; 27: 498
- postcraniectomy site: CT appearance, Lanzieri CF; Som PM; Sacher M; Solodnik P; Moore F, *Radiology* 1986; 159: 165
- real-time ultrasonographic surveillance in the detection of CNS involvement in systemic *Candida* infection, Bozynski ME; Naglie RA; Russell EJ, *Pediatr Radiol* 1986; 16: 235
- sonography of intracranial infection in infants and children, Frank JL, *Neuroradiol* 1986; 28: 440
- ventriculitis in congenital rubella: ultrasound demonstration, Carey BM; Arthur RJ; Houlisby WT, *Pediatr Radiol* 1987; 17: 415
- water lily sign in CT of cerebral hydatid disease: a case report, Gomori JM; Cohen D; Eyd A; et al, *Neuroradiol* 1988; 30: 358
- Brain, inflammation**
See Encephalitis
- Brain, injuries**
application of SPECT scanning with I-123 HIPDM to forensic medicine, Boyko OB; Becker GJ; Burt RW; et al, *JCAT* 1986; 10: 885
- changes in cerebral perfusion after acute head injury, Powe J; Thompson T; Maguire C, *Radiology* 1988; 167: 581
- changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HMPAO SPECT, Abdel-Dayem HM; Sadek SA; Kouris K; Bahar RH; Higazi I; Eriksson S; Englesson SH; Bernthman L; Sigurdsson GH; Foad M; Olivecrona H, *Radiology* 1987; 165: 221
- changes in cerebral perfusion after acute head injury: reply, Abdel-Dayem HM, *Radiology* 1988; 167: 582
- complex fractures of the clavus: diagnosis with CT and clinical outcome in 11 patients, Joslyn JN; Mirvis SE; Markowitz B, *Radiology* 1988; 166: 817
- craniofacial fractures and brain injuries, Bracad S; Marchal J-C; Auque J; et al, *J Neuroradiol* 1986; 13: 265
- growing skull fracture—rupture of coronal suture caused by vacuum extraction, Hansen KN; Pedersen H; Petersen MB, *Neuroradiol* 1987; 29: 502
- MR imaging of brain contusions: a comparative study with CT, Hesselink JR; Dowd CF; Healy ME; et al, *AJNR* 1988; 9: 269
- ³¹P NMR characterization of graded traumatic brain injury in rats, Vink R; McIntosh TK; Yamakami I; et al, *Magn Res Med* 1988; 6: 37
- serial MR imaging in neonatal cerebral injury, Johnson MA; Penneck JM; Bydder GM; et al, *AJNR* 1987; 8: 83
- ultrasound guided removal of an intracranial bullet: case report, De Campo JF; Myers D; Klug GL, *Australas Radiol* 1986; 30: 6
- value of angiography in cerebral nail-gun injuries, Al-Mefty O; Holoubi A; Fox JL, *AJNR* 1986; 7: 164
- Brain, ischemia**
abnormalities of the neonatal brain: MR imaging, part II. hypoxic-ischemic brain injury, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Amparo EG, *Radiology* 1987; 163: 395
- angiography in transient cerebral ischaemia using three views of the carotid bifurcation, Jeans WD; Mackenzie S; Baird RN, *Br J Radiol* 1986; 59: 135
- arteriosclerotic ischemic cerebrovascular disease, Kricheff II, *Radiology* 1987; 162: 101
- computed tomography in global cerebral cortical ischemia of the neonate and young infant, Swartz JD; Soyer A; Brown LW; et al, *CT* 1986; 10: 243
- CT of subinsular infarction and ischemia, Cobb SR; Mehrling CM; Itabashi HH; et al, *AJNR* 1987; 8: 221
- CT of the brain is alive and well, Hyman RA; Gorey MT; Nuskind RL; Black KS, *Radiology* 1988; 167: 877
- CT of the brain is alive and well: reply, Brant-Zawadzki M, *Radiology* 1988; 167: 878
- early and delayed SPECT using N-isopropyl-p-iodoamphetamine iodine 123 in cerebral ischemia: a prognostic index for clinical recovery, (ab), Defer G; Moretti JL; Cesaro P; et al, *Radiology* 1987; 165: 887
- early and delayed SPECT using N-isopropyl-p-iodoamphetamine iodine 123 in cerebral ischemia: a prognostic index for clinical recovery, (ab), Defer G; Moretti J-L; Cesaro P; et al, *Radiology* 1988; 166: 913
- end-stage periventricular leukomalacia: MR evaluation, Baker LL; Stevenson DK; Enzmann DR, *Radiology* 1988; 168: 809
- factors influencing the survival of 451 transient ischemic attack patients, (ab), Howard G; Toole JF; Frye-Pierson J; et al, *Radiology* 1988; 166: 295
- frequency and patterns of abnormality detected by iodine-123 amine emission CT after cerebral infarction, Brott TG; Gelfand MJ; Williams CC; Spilker JA; Hertzberg VS, *Radiology* 1986; 158: 729
- haemodynamics and oxygen metabolism in patients after reversible ischaemic attack or minor ischaemic stroke assessed with positron emission tomography, Itoh M; Hatazawa J; Pozzilli C; et al, *Neuroradiol* 1987; 29: 416
- human brain infarcts: imaging by MR enhanced Gd-DTPA, Virapongse C; Mancuso AA; Quisling RK, *Radiology* 1986; 161: 785
- intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, Taylor GA; Fitz CR; Miller MK; Garin DB; Catena LM; Short BL, *Radiology* 1987; 165: 675
- iron accumulation in the basal ganglia following severe ischemic-anoxic insults in children, Dietrich RB; Bradley WG Jr, *Radiology* 1988; 168: 203
- ischemic stroke in adults younger than 30 years of age: cause and prognosis, (ab), Bogousslavsky J; Regli F, *Radiology* 1987; 165: 887
- ischemic stroke in adults younger than 30 years of age: cause and prognosis, (ab), Bogousslavsky J; Regli F, *Radiology* 1988; 166: 914
- life history of patients with transient ischemic attacks and essentially normal angiograms, (ab), Evans WE; Hayes JP, *Radiology* 1988; 167: 887
- magnetic resonance imaging appearances of basal ganglia lesions in carbon monoxide poisoning, Davis PL, *Magn Res Imag* 1986; 4: 489
- measurement of lactate accumulation by *in vivo* proton NMR spectroscopy during global cerebral ischemia in rats, Richards TL; Keniry MA; Weinstein PR; et al, *Magn Res Med* 1987; 5: 353
- migrainous stroke, (ab), Rothrock JF; Walicke P; Swenson MR; et al, *Radiology* 1988; 167: 887
- MR imaging and spectroscopy in clinical and experimental cerebral ischemia: review, Brant-Zawadzki M; Weinstein P; Bartkowski H; et al, *AJNR* 1987; 8: 39
- MR imaging of the brain, Brant-Zawadzki N, *Radiology* 1988; 166: 1
- MRI study of a feline model of acute cerebral ischaemia: contribution of paramagnetic contrast media to the diagnosis, Berry I; Brant-Zawadzki M; Manelfe C, *J Neuroradiol* 1988; 15: 95
- neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, Taylor GA; Glass P; Fitz CR; Miller MK, *Radiology* 1987; 165: 679
- ³¹P and ¹H NMR spectroscopy to study the effects of Gallopamil on brain ischemia, Ligeti L; Osbakken MD; Subramanian HV; et al, *Magn Res Med* 1987; 4: 441
- periventricular leukomalacia: evaluation with MR imaging, Wilson DA; Steiner RE, *Radiology* 1986; 160: 507
- spontaneous hemorrhage in previously ischemic (pale) cerebral infarcts, Garcia CA; Weisberg LA; McGarry PA; et al, *Comput Radiol* 1986; 10: 55
- temporal evolution of hypoxic-ischaemic brain lesions in asphyxiated full-term newborns as assessed by computerized tomography, (ab), Lipp-Zwahlen AE; Deonna T; Chrzanowski R; et al, *Radiology* 1986; 158: 862
- white-matter lesions in MR imaging of clinically healthy brains of elderly subjects: possible pathologic basis, Kirkpatrick JB; Hayman LA, *Radiology* 1987; 162: 509
- white-matter lesions in MR imaging of elderly subjects, Challa VR; Moody DM, *Radiology* 1987; 164: 874
- white-matter lesions in MR imaging of elderly subjects: reply, Kirkpatrick JB; Hayman LA, *Radiology* 1987; 164: 874
- Brain, MR studies**
abnormalities of the neonatal brain: MR imaging, part I. intracranial hemorrhage, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Crofford MJ; Amparo EG, *Radiology* 1987; 163: 387
- abnormalities of the neonatal brain: MR imaging, part II. hypoxic-ischemic brain injury, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Amparo EG, *Radiology* 1987; 163: 395
- abnormal neuroanatomy in a nonretarded person with autism: unusual findings with magnetic resonance imaging, (ab), Courchesne E; Hesselink JR; Jernigan TL; et al, *Radiology* 1987; 165: 590
- absence of white matter changes on magnetic resonance imaging in children treated with CNS prophylaxis therapy for leukemia, (ab), Kramer JH; Norman D; Brant-Zawadzki M; et al, *Radiology* 1988; 169: 295
- accelerated myelination in early Sturge-Weber syndrome demonstrated by MR imaging, Jacoby CG; Yuh WTC; Afifi AK; et al, *JCAT* 1987; 11: 226
- acute cerebral infarction in monkeys: experimental study using MR imaging, Unger EC; Gado MH; Fulling KF; Littlefield JL, *Radiology* 1987; 162: 789
- acute intracranial hemorrhage: intensity changes on sequential MR scans at 0.5 T, Zimmerman RD; Heier LA; Snow RB; et al, *AJNR* 1988; 9: 47
- acute subarachnoid hemorrhage: in vitro comparison of magnetic resonance and computed tomography, Chakres DW; Bryan RN, *AJNR* 1986; 7: 223
- adrenoleukodystrophy: correlating MR imaging with CT, Kumar AJ; Rosenbaum AE; Naidu S; Wener L; Citrin CM; Lindenbergh R; Kim WS; Zinreich SJ; Molliver ME; Mayberg HS; Moser HW, *Radiology* 1987; 165: 497
- advantage of magnetic resonance imaging in the diagnosis of cerebral infections, Schroth G; Kretschmar K; Gawehn J; et al, *Neuroradiol* 1987; 29: 120
- anatomie de la region sellaire en IRM (MRI anatomy of the sellar region), Crouzet G; Cinquin AM; Camuset JP; et al, *J Neuroradiol* 1986; 13: 73
- anterior commissure: anatomic-MR correlation and use as a landmark in three orthogonal planes, Naidich TP; Daniels DL; Pech P; Houghton VM; Williams AL; Pojunaas KW, *Radiology* 1986; 158: 421
- applications of magnetic resonance imaging in diseases of the pediatric central nervous system, Zimmerman RA; Bilaniuk LT, *Magn Res Imag* 1986; 4: 11

- aqueductal stenosis: evaluation with gradient-echo rapid MR imaging. Atlas SW; Mark AS; Fram EK. *Radiology* 1988; 169: 449
- assessment of multiple sclerosis lesions by magnetic resonance imaging. Robertson WD; Li DK; Mayo JR; et al. *J Canad Assoc Radiol* 1987; 38: 177
- association of heterotopic gray matter with seizures: MR imaging. work in progress. Smith AS; Weinstein MA; Quencer RM; Muroff LR; Stonesifer KJ; Li FC; Wener L; Solomon MA; Cruse RP; Rosenberg LH; Berke JP. *Radiology* 1988; 168: 195
- automated registration of multimodality images. Vannier MW; Cayou DE. *Radiology* 1988; 169: 860
- autopsy validation of MRI in central pontine myelinolysis. Thompson AJ; Brown MM; Swash M; et al. *Neuroradiol* 1988; 30: 175
- axis selection in transverse magnetic resonance imaging of the brain: electronic angulation techniques. Hyman RA; Edwards JH; Alvarez O; et al. *Comput Radiol* 1987; 11: 1
- benefits of Gd-DTPA for MR imaging of intracranial abnormalities. Hesselink JR; Healy ME; Press GA; et al. *JCAT* 1988; 12: 266
- benign extraaxial tumors: contrast enhancement with Gd-DTPA. Breger RK; Papke RA; Pojunaas KW; Houghton VM; Williams AL; Daniels DL. *Radiology* 1987; 163: 427
- brain iron in patients with Parkinson disease: MR visualization using gradient modification. Norrfray JF; Chiaradonna NL; Heiser WJ; et al. *AJNR* 1988; 9: 237
- brain malformations in linear nevus sebaceous syndrome: an MR study. Sarwar M; Schafer ME. *JCAT* 1988; 12: 338
- brain MR: pathologic correlation with gross and histopathology. 1. lacunar infarction and Virchow-Robin spaces. Braffman BH; Zimmerman RA; Trojanowski JQ; et al. *AJNR* 1988; 9: 621
- brain MR: pathologic correlation with gross and histopathology. 2. hyperintense white-matter foci in the elderly. Braffman BH; Zimmerman RA; Trojanowski JQ; et al. *AJNR* 1988; 9: 629
- brain radiation lesions: MR imaging. Dooms GC; Hecht S; Brant-Zawadzki M; Berthiaume Y; Norman D; Newton TH. *Radiology* 1986; 158: 149
- calcified intracranial lesions: detection with gradient-echo-acquisition rapid MR imaging. Atlas SW; Grossman RI; Hackney DB; et al. *AJNR* 1988; 9: 253
- carbon monoxide toxicity: MR imaging in the brain. Horowitz AL; Kaplan R; Sarpel G. *Radiology* 1987; 162: 787
- carcinomatous encephalitis: CT and MR findings. Olsen WL; Winkler ML; Ross DA. *AJNR* 1987; 8: 553
- case report: magnetic resonance imaging of a colloid cyst of the third ventricle. Alcock MK; Robertson A. *Clin Radiol* 1988; 39: 308
- central nervous system disease in acquired immunodeficiency syndrome: prospective correlation using CT, MR imaging, and pathologic studies. Post MJD; Sheldon J; Hensley GT; Soila KP; Tobias JA; Chan JC; Quencer RM; Moskowitz LB. *Radiology* 1986; 158: 141
- central nervous system lesions in pediatric patients: Gd-DTPA-enhanced MR imaging. Powers TA; Partain CL; Kessler RM; Freeman MW; Robertson RH; Wyatt SH; Whelan HT. *Radiology* 1988; 169: 723
- central pontine myelinolysis and its imitators: MR findings. Miller GM; Baker HL Jr; Okazaki H; Whisnant JP. *Radiology* 1988; 168: 795
- cerebral MR findings in tuberous sclerosis. Vaghi M; Visciani A; Testa D; et al. *JCAT* 1987; 11: 403
- changes in size and magnetic resonance signal intensity of the cerebral CSF spaces during the cardiac cycle as studied by gated, high-resolution magnetic resonance imaging. Mark AS; Feinberg DA; Brant-Zawadzki MN. *Invest Radiol* 1987; 22: 290
- characteristics of partial flip angle and gradient reversal MR imaging. Winkler ML; Ortendahl DA; Mills TC; Crooks LE; Sheldon PE; Kaufman L; Kramer DM. *Radiology* 1988; 166: 17
- Chiari II malformation: MR imaging evaluation. Wolpert SM; Anderson M; Scott RM; et al. *AJNR* 1987; 8: 783
- clinical and experimental vasogenic edema: in vivo sodium MR imaging. work in progress. Turski PA; Perman WH; Hald JK; Houston LW; Strother CM; Sackett JF. *Radiology* 1986; 160: 821
- clinical assessment of 31 patients with Wilson's disease: correlations with structural changes on magnetic resonance imaging. (ab). Starosta-Rubinstein S; Young AB; Kluin K; et al. *Radiology* 1987; 163: 882
- clinical magnetic susceptibility mapping of the brain. Young IR; Kenia S; Thomas DGT; et al. *JCAT* 1987; 11: 2
- comparison of different pulse sequences for in vivo determination of T1 relaxation times in the human brain. Kjaer L; Henriksen O. *Acta Radiol* 1988; 29: 231
- comparison of magnetic resonance and roentgen ray computed tomography in dementia. (ab). Johnson KA; Davis KR; Buonanno FS; et al. *Radiology* 1988; 167: 295
- computed tomography and MR imaging of thalamic neuroepithelial cysts. Numaguchi Y; Connolly ES; Kumra AK; et al. *JCAT* 1987; 11: 583
- concealment of neonatal cerebral infarction on MRI by normal brain water. Moore JB; Parker CP; Smith RJ; et al. *Pediatr Radiol* 1987; 17: 314
- considerations for brain pH assessment by ³¹P NMR. Pettigrew JW; Withers G; Panchalingam K; et al. *Magn Res Imag* 1988; 6: 135
- contrast enhanced magnetic resonance imaging of the brain using gadolinium-DTPA. Valk J; de Slegte RGM; Crezee FC; et al. *Acta Radiol* 1987; 28: 659
- contribution of MRI to the diagnosis of multiple sclerosis. Debaene A; Lavieille J; Vion-Dury J; et al. *J Neuroradiol* 1986; 13: 1
- corpus callosum and limbic system: neuroanatomic MR evaluation of developmental anomalies. Atlas SW; Zimmerman RA; Bilaniuk LT; Rorke L; Hackney DB; Goldberg HL; Grossman RI. *Radiology* 1986; 160: 355
- corpus callosum and subcallosal-periventricular lesions in multiple sclerosis: detection with MR. Simon JH; Holts SL; Schiffer RB; Rudick RA; Herndon RM; Kido DK; Utz R. *Radiology* 1986; 160: 363
- correlation of human NMR T1 values measured in vivo and brain water content. MacDonald HL; Bell BA; Smith MA; et al. *Br J Radiol* 1986; 59: 355
- correlations of nuclear magnetic resonance imaging, computerized tomography, and clinical profiles in multiple sclerosis. (ab). Jacobs L; Kinkel WR; Polachini I; et al. *Radiology* 1987; 162: 888
- cranial MR imaging in neurofibromatosis. Bognanno JR; Edwards MK; Lee TA; et al. *AJNR* 1988; 9: 461
- cranial MR in spinal cord MS: diagnosing patients with isolated spinal cord symptoms. Edwards MK; Farlow MR; Stevens JC. *AJNR* 1986; 7: 1003
- cranial tissues: normal MR appearance after intravenous injection of Gd-DTPA. Kilgore DP; Breger RK; Daniels DL; Pojunaas KW; Williams AL; Houghton VM. *Radiology* 1986; 160: 757
- craniopagus twins: neuroradiological findings (CT, angiography, MRI). Schindler E; Hejsek P. *Neuroradiol* 1988; 30: 11
- cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies. Ormson MJ; Kierpelt DB; Sharbrough FW; Houser OW; Earnest F IV; Scheithauer BW; Laws ER Jr. *Radiology* 1986; 160: 215
- CT and MR evaluation of lissencephaly. Byrd SE; Bohan TP; Osborn RE; et al. *AJNR* 1988; 9: 923
- CT and MR imaging in neuro-Behcet disease. Willeit J; Schmutzhard E; Aichner F; et al. *JCAT* 1986; 10: 313
- CT, magnetic resonance imaging, and SPECT iodine-123 iodoamphetamine imaging of a patient with progressive cognitive deterioration. Tikofsky RS; Harsch HH; Goldstein MD; et al. *Clin Nucl Med* 1987; 12: 463
- CT, MR, and pathology in HIV encephalitis and meningitis. Post MJD; Tate LG; Quencer RM; et al. *AJNR* 1988; 9: 469
- CT of the brain is alive and well. Hyman RA; Gorey MT; Nuskind RL; Black KS. *Radiology* 1988; 167: 877
- CT of the brain is alive and well: reply. Brant-Zawadzki M. *Radiology* 1988; 167: 878
- deep white matter infarction: correlation of MR imaging and histopathologic findings. Marshall VG; Bradley WG Jr; Marshall CE; Bhoopt T; Rhodes RH. *Radiology* 1988; 167: 517
- description of a low field resistive magnetic resonance imaging system and its application in imaging midline central nervous system pathology. Kean DM; Smith MA; Douglas RHB; et al. *Clin Radiol* 1986; 37: 211
- detection of heterotopic gray matter in children by magnetic resonance imaging. Dunn V; Mock I; Bell WE; et al. *Magn Res Imag* 1986; 4: 33
- detection of intracranial calcifications by MR. Oot RF; New PFJ; Pile-Spellman J; et al. *AJNR* 1986; 7: 801
- detection of the cerebral lesions of chlorine intoxication by magnetic resonance imaging. Levy JM; Hessel SJ; Nykamp FW; et al. *Magn Res Imag* 1986; 4: 51
- deuterium NMR cerebral imaging in situ. Ewy CS; Ackerman JH; Balaban RS. *Magn Res Med* 1988; 8: 35
- developmental features of the neonatal brain: MR imaging. part I. gray-white matter differentiation and myelination. McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG. *Radiology* 1987; 162: 223
- developmental features of the neonatal brain: MR imaging. part II. ventricular size and extracerebral space. McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG. *Radiology* 1987; 162: 230
- diagnosis and follow-up of mitochondrial encephalomyopathy: CT and MR studies. Taverni N; Dal Pozzo G; Arnetoli G; et al. *JCAT* 1988; 12: 696
- dichotomy between clinical findings and MR abnormalities in pontine infarction. Biller J; Adams HP Jr; Dunn V; et al. *JCAT* 1986; 10: 379
- dynamic digital subtraction imaging using fast low-angle shot MR movie sequences. Haase A; Matthaei D; Hanicke W; Frahm J. *Radiology* 1986; 160: 537
- dynamic imaging with lanthanide chelates in normal brain: contrast due to magnetic susceptibility effects. Villringer A; Rosen BR; Belliveau JW; et al. *Magn Res Med* 1988; 6: 164
- edited ³¹P brain spectra using maximum entropy data processing. Waller ML; Tofts PS. *Magn Res Med* 1987; 4: 385
- effect of moderate blood alcohol levels on T1 and T2 relaxation times in the brains of normal volunteers. Logsdail S; Miller D; Macmanus D; et al. *Magn Res Med* 1987; 4: 378
- effects of age on apparent ³¹P spin-lattice relaxation times of rat brain phosphates. Stolk JA; Olsen JI; Alderman DW; et al. *Magn Res Med* 1987; 5: 78
- end-stage periventricular leukomalacia: MR evaluation. Baker LL; Stevenson DK; Enzmann DR. *Radiology* 1988; 168: 809
- evaluation of multiple sclerosis by magnetic resonance imaging. Runge VM; Price AC; Kirshner HS; Allen JH; Partain CL; James AE Jr. *Radiographics* 1986; 6: 203
- even echo MR rephasing in the diagnosis of giant intracranial aneurysm. Alvarez O; Hyman RA. *JCAT* 1986; 10: 699
- experimental radiation injury: combined MR imaging and spectroscopy. Grossman RI; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle TJ; McGrath JT; Curran WJ; Shetty A; Joseph PM. *Radiology* 1988; 169: 305

- fat within the falx: MR demonstration of falxine bony metaplasia with marrow formation. Sands SF; Farmer P; Alvarez O; et al. *JCAT* 1987; 11: 602
- field-cycling relaxometry: medical applications. Rinck PA; Fischer HW; Vander Elst L; Van Haverbeke Y; Muller RN. *Radiology* 1988; 168: 843
- ¹⁹F NMR imaging of blood oxygenation in the brain. Edelberg D; Johnson G; Barnes D; et al. *Magn Res Med* 1988; 6: 344
- focal cortical dysplasia on magnetic resonance imaging: a case report. Nowell MA; Grossman RI; Packer RJ; et al. *CT* 1988; 12: 61
- foci of MRI signal (pseudo lesions) anterior to the frontal horns: histologic correlations of a normal finding. Sze G; De Armond SJ; Brant-Zawadzki M; et al. *AJNR* 1986; 7: 381
- gadolinium-DTPA as a contrast agent in magnetic resonance imaging of the brain. Stack JP; Antoun NM; Jenkins JPR; et al. *Neuroradiol* 1988; 30: 145
- Gd-DTPA in clinical MR of the brain: 1. intraaxial lesions. Brant-Zawadzki M; Berry I; Osaki L; et al. *AJNR* 1986; 7: 781
- Gd-DTPA in clinical MR of the brain: 2. extraaxial lesions and normal structures. Berry I; Brant-Zawadzki M; Osaki L; et al. *AJNR* 1986; 7: 789
- Gd-enhanced MR imaging of acute and chronic experimental demyelinating lesions. Kuharik MA; Edwards MK; Farlow MR; et al. *AJNR* 1988; 9: 643
- general case of the day: annual meeting, 1986. Crawford SC; Cornell SH; Franken EA Jr. *Radiographics* 1987; 7: 1178
- gradient recalled echo MR imaging of the jugular foramen. Daniels DL; Czervonke LF; Pech P; et al. *AJNR* 1988; 9: 675
- hemimegalencephaly: MR imaging in five children. Kalifa GL; Chiron C; Sellier N; Demange P; Ponsot G; Lalande G; Robain O. *Radiology* 1987; 165: 29
- hemorrhagic and nonhemorrhagic brain lesions: evaluation with 0.35-T fast MR imaging. Winkler ML; Olsen WL; Mills TC; Kaufman L. *Radiology* 1987; 165: 203
- hemorrhagic intracranial malignant neoplasms: spin-echo MR imaging. Atlas SW; Grossman RI; Gomori JM; Hackney DB; Goldberg HI; Zimmerman RA; Bilaniuk LT. *Radiology* 1987; 164: 71
- high-field magnetic resonance imaging of Wilson's disease. De Haan J; Grossman RI; Civitello L; et al. *CT* 1987; 11: 132
- high-field MRI of hemorrhagic cortical infarction. Hecht-Leavitt C; Gomori JM; Grossman RI; et al. *AJNR* 1986; 7: 581
- high-field spin-echo MR imaging of superficial and subependymal siderosis secondary to neonatal intraventricular hemorrhage. Gomori JM; Grossman RI; Goldberg HI; et al. *Neuroradiol* 1987; 29: 339
- high-resolution magnetic resonance imaging of the brain in children. Dubowitz LMS; Pennock JM; Johnson MA; et al. *Clin Radiol* 1986; 37: 113
- hippocampal formation and related structures of the limbic lobe: anatomic-MR correlation. part I. surface features and coronal sections. Naidich TP; Daniels DL; Haughton VM; Williams AL; Pojunaas KW; Palacios E. *Radiology* 1987; 162: 747
- hippocampal formation and related structures of the limbic lobe: anatomic-MR correlation. part II. sagittal sections. Naidich TP; Daniels DL; Haughton VM; Pech P; Williams AL; Pojunaas KW; Palacios E. *Radiology* 1987; 162: 755
- human brain infarcts: imaging by MR enhanced Gd-DTPA. Virapongse C; Mancuso AA; Quisling RG. *Radiology* 1986; 161: 785
- human brain motion and cerebrospinal fluid circulation demonstrated with MR velocity imaging. Feinberg DA; Mark AS. *Radiology* 1987; 163: 793
- identification of brain lesions in neuropsychiatric systemic lupus erythematosus by magnetic resonance scanning. (ab). McGuire WJ; MacGuire A; Aisen A; et al. *Radiology* 1988; 169: 294
- imaging of the aging brain: part I. normal findings. Drayer BP. *Radiology* 1988; 166: 785
- imaging of the aging brain: part II. pathologic conditions. Drayer BP. *Radiology* 1988; 166: 797
- imaging strategies for MR of the brain. Hyman RA; Gorey MT. *Radiol Clin North Am* 1988; 26: 471
- immature brain: spin-echo pulse sequence parameters for high-contrast MR imaging. Nowell MA; Hackney DB; Zimmerman RA; Bilaniuk LT; Grossman RI; Goldberg HI. *Radiology* 1987; 162: 272
- impact of MR imaging on clinical diagnosis and management: prospective study. Franken EA Jr; Berbaum KS; Dunn V; Smith WL; Ehrhardt JC; Levitz GS; Breckenridge RE. *Radiology* 1986; 161: 377
- improved MR imaging of the brain by using compensating gradients to suppress motion-induced artifacts. Quencer RM; Hinks RS; Pattany PH; et al. *AJNR* 1988; 9: 431
- integrated stereotaxic imaging with CT, MR imaging, and digital subtraction angiography. Peters TM; Clark JA; Olivier A; Marchand EP; Mawko G; Dieumegarde M; Muresan LV; Ethier R. *Radiology* 1986; 161: 821
- intracerebral hematoma developing during MR examination. Nose T; Enomoto T; Hyodo A; et al. *JCAT* 1987; 11: 184
- intracranial hematomas: imaging by high-field MR. Zimmerman RD; Deck MDF. *Radiology* 1986; 159: 565
- intracranial hematomas: imaging by high-field MR: reply. Gomori JM; Grossman RI. *Radiology* 1986; 159: 566
- intracranial hemorrhage: gradient-echo MR imaging at 1.5 T. comparison with spin-echo imaging and clinical applications. Atlas SW; Mark AS; Grossman RI; Gomori JM. *Radiology* 1988; 168: 803
- intracranial vascular malformations: imaging of charged-particle radiosurgery. part I. results of therapy. Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR. *Radiology* 1988; 168: 447
- intracranial vascular malformations: imaging of charged-particle radiosurgery. part II. complications. Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR. *Radiology* 1988; 168: 457
- in vivo* determination of T₁ and T₂ in the brain of patients with severe but stable multiple sclerosis. Larsson HBW; Frederiksen J; Kjaer L; et al. *Magn Res Med* 1988; 7: 43
- in vivo* measurement of water self diffusion in the human brain by magnetic resonance imaging. Thomsen C; Henriksen O; Ring P. *Acta Radiol* 1987; 28: 353
- in vivo* MR spectroscopy of human subjects with a 1.4-T whole-body MR imager. Ng TC; Majors AW; Meaney TF. *Radiology* 1986; 158: 517
- in vivo* ³¹P NMR study of cerebral hypoxic hypoxia in rats. Litt L; Gonzalez-Mendez R; Weinstein PR; et al. *Magn Res Med* 1986; 3: 619
- I. R. M. et neurinomes (NMR imaging and neuromas). Braun M; Cosnard G; Cabanis EA; et al. *J Neuroradiol* 1986; 13: 209
- iron accumulation in the basal ganglia following severe ischemic-anoxic insults in children. Dietrich RB; Bradley WG Jr. *Radiology* 1988; 168: 203
- Krabbe disease: specific MRI and CT findings. (ab). Baram TZ; Goldman AM; Percy AK. *Radiology* 1987; 162: 590
- Leigh disease (subacute necrotizing encephalomyelopathy): CT and MR in five cases. Geyer CA; Sartor KJ; Prensley AJ; et al. *JCAT* 1988; 12: 40
- leptomeningeal metastasis: MR imaging. Davis PC; Friedman NC; Fry SM; Malko JA; Hoffman JC Jr; Braun IF. *Radiology* 1987; 163: 449
- leukoencephalopathy in normal and pathologic aging: 2. MRI of brain lucencies. George AE; de Leon MJ; Kalinin A; et al. *AJNR* 1986; 7: 567
- lissencephaly: diagnosis by computed tomography and magnetic resonance imaging. Cordes M; Cordes I; Sander B; et al. *Eur J Radiol* 1988; 8: 131
- magnetic resonance imaging (1.5 Tesla) in patients with intractable focal seizures. (ab). Lesser RP; Modic MT; Weinstein MA; et al. *Radiology* 1986; 160: 861
- magnetic resonance imaging and computerized tomography in central hypoventilation. (ab). Weese-Mayer DE; Brouillette RT; Naidich TP; et al. *Radiology* 1988; 168: 591
- magnetic resonance imaging and the acquired immunodeficiency syndrome dementia complex. Ekholm S; Simon JH. *Acta Radiol* 1988; 29: 227
- magnetic resonance imaging appearances of basal ganglia lesions in carbon monoxide poisoning. Davis PL. *Magn Res Imag* 1986; 4: 489
- magnetic resonance imaging: clinical correlation in 64 patients with multiple sclerosis. (ab). Stevens JC; Farlow MR; Edwards MK; et al. *Radiology* 1987; 163: 592
- magnetic resonance imaging correlates of dementia in multiple sclerosis. (ab). Huber SJ; Paulson GW; Shuttlesworth EC; et al. *Radiology* 1987; 165: 886
- magnetic resonance imaging correlates of dementia in multiple sclerosis. (ab). Huber SJ; Paulson GW; Shuttlesworth EC; et al. *Radiology* 1988; 166: 914
- magnetic resonance imaging diagnosis of disseminated necrotizing leukoencephalopathy. Atlas SW; Grossman RI; Packer RJ; et al. *CT* 1987; 11: 39
- magnetic resonance imaging in Huntington disease. Simmons JT; Pastakia B; Chase TN; et al. *AJNR* 1986; 7: 25
- magnetic resonance imaging in neuronal ceroid lipofuscinosis. Machen BC; Williams JP; Lum GB; et al. *CT* 1987; 11: 160
- magnetic resonance imaging in neurosarcoidosis. Greco A; Steiner RE. *Magn Res Imag* 1987; 5: 15
- magnetic resonance imaging in partial complex epilepsy. (ab). Jabbari B; Gunderson CH; Wippold F; et al. *Radiology* 1987; 163: 592
- magnetic resonance imaging in patients with diplopia: review. Ruff RL; Wiener SN; Leigh RJ. *Invest Radiol* 1986; 21: 311
- magnetic resonance imaging in Pelizaeus-Merzbacher disease. Journal H; Rousey M; Gandon Y; et al. *Neuroradiol* 1987; 29: 403
- magnetic resonance imaging in the evaluation of treatment in multiple sclerosis. Kappos L; Städt D; Ratzka M; et al. *Neuroradiol* 1988; 30: 299
- magnetic resonance imaging in tuberous sclerosis. (ab). Roach ES; Williams DP; Laster DW. *Radiology* 1987; 164: 887
- magnetic resonance imaging in tuberous sclerosis. (ab). Roach ES; Williams DP; Laster DW. *Radiology* 1987; 165: 590
- magnetic resonance imaging in young adults with cerebral infarction due to moyamoya. (ab). Bruno A; Yuh WTC; Biller J; et al. *Radiology* 1988; 169: 294
- magnetic resonance imaging (MRI) in the diagnosis of cerebral arteriovenous angiomas. Schorner W; Bradac GB; Treisch J; et al. *Neuroradiol* 1986; 28: 313
- magnetic resonance imaging of brain iron. Drayer BP; Burger P; Darwin R; et al. *AJNR* 1986; 7: 373
- magnetic resonance imaging of cerebral lesions in patients with the Sjögren syndrome. (ab). Alexander EL; Beall SS; Gordon B; et al. *Radiology* 1988; 169: 886
- magnetic resonance imaging of colloid cysts of the third ventricle. Roosen N; Gahlen D; Stork W; et al. *Neuroradiol* 1987; 29: 10
- magnetic resonance imaging of cranial radiation lesions. Curran WJ; Hecht-Leavitt C; Schut L; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1093
- magnetic resonance imaging of human cerebral infarction: enhancement with Gd-DTPA. Imakita S; Nishimura T; Naito H; et al. *Neuroradiol* 1987; 29: 422
- magnetic resonance imaging of intracranial hemorrhage. Barkovich AJ; Atlas SW. *Radiol Clin North Am* 1988; 26: 801
- magnetic resonance imaging of mesial temporal sclerosis: case reports. Maertens PM; Machen BC; Williams JP; et al. *CT* 1987; 11: 136
- magnetic resonance imaging of normal and pathological white matter maturation. Baierl P; Förster C; Fendel H; et al. *Pediatr Radiol* 1988; 18: 183

- magnetic resonance imaging of periaqueductal lesions, Lee BCP, Clin Radiol 1987; 38: 527
- magnetic resonance imaging of periventricular hyperintensity in a Veterans Administration hospital population, (ab), Sarpel G; Chaudry F; Hinds W, Radiology 1987; 165: 887
- magnetic resonance imaging of periventricular hyperintensity in a Veterans Administration hospital population, (ab), Sarpel G; Chaudry F; Hinds W, Radiology 1988; 167: 590
- magnetic resonance imaging of radiation injury to the brain, Curnes JT; Laster DW; Ball MR; et al, AJNR 1986; 7: 389
- magnetic resonance imaging of the brain and spine: is clinical efficacy established after the first decade?, (ab), Kent DL; Larson EB, Radiology 1988; 169: 589
- magnetic resonance imaging of the brain in children, Pennock JM; Bydder GM; Dubowitz LMS; et al, Magn Res Imag 1986; 4: 1
- magnetic resonance imaging of the cerebral aqueduct, Kemp SS; Zimmerman R-A; Bilaniuk LT; et al, Neuroradiol 1987; 29: 430
- magnetic resonance imaging study of experimental cerebral edema and its response to dexamethasone, Barnes D; McDonald WI, Magn Res Med 1988; 7: 125
- magnetic resonance imaging with even-echo rephasing sequences in the assessment and management of giant intracranial aneurysms, Japian T; Wilson M; O'Donnell H; et al, Br J Radiol 1988; 61: 351
- magnetic resonance in multiple sclerosis, Scotti G; Scialfa G; Biondi A; et al, Neuroradiol 1986; 28: 319
- magnetic resonance tomography and computed tomography of the brain for diagnosing Wilson's disease, (ab), Uhlenbrock D; Straube A; Beyer HK; et al, Radiology 1986; 159: 573
- magnetic susceptibility effects secondary to out-of-plane air in fast MR scanning, Schick RM; Wismer GL; Davis KR, AJNR 1988; 9: 439
- measurement of lactate accumulation by *in vivo* proton NMR spectroscopy during global cerebral ischemia in rats, Richards TL; Keniry MA; Weinstein PR; et al, Magn Res Med 1987; 5: 353
- meningovascular syphilis: CT and MR findings, Holland BA; Perrett LV; Mills CM, Radiology 1986; 158: 439
- mid- and long-term MRI study of sequelae of acute necrotizing viral encephalitis, Vion-Dury J; Jiddane M; Bouchacour M; et al, J Neuroradiol 1987; 14: 53
- migraine: evaluation by MR, Soges LJ; Cacayorin ED; Petro GR; et al, AJNR 1988; 9: 425
- motion artifacts in brain and spine MR, Hinks RS; Quencer MN, Radiol Clin North Am 1988; 26: 737
- MR and CT appearance of ruptured intracranial dermoid tumors, Stephenson TF; Spitzer RM, Comput Radiol 1987; 11: 249
- MR and CT evaluation of intracranial sarcoidosis, Hayes WS; Sherman JL; Stern BJ; et al, AJNR 1987; 8: 841
- MR and CT in cytoplasmically inherited striatal degeneration, Seidenwurm D; Novotny E Jr; Marshall W; et al, AJNR 1986; 7: 629
- MR and CT investigation of cerebrovascular disease in sickle cell patients, El Gammal T; Adams RJ; Nichols FT; et al, AJNR 1986; 7: 1043
- MR and CT of lacunar infarcts, Brown JJ; Hesselink JR; Rothrock JF, AJNR 1988; 9: 477
- MR and CT of occult vascular malformations of the brain, New PFJ; Ojemann RG; Davis KR; et al, AJNR 1986; 7: 771
- MR appearance of Rathke's cleft cysts, Nemoto Y; Inoue Y; Fukuda T; et al, Neuroradiol 1988; 30: 155
- MR brain scanning in patients with vasculitis: differentiation from multiple sclerosis, Miller DH; Ormerod IEC; Gibson A; et al, Neuroradiol 1987; 29: 226
- MR demonstration of mesencephalic lesions in osmotic demyelination syndrome (central pontine myelinolysis), Gerard E; Healy ME; Hesselink JR, Neuroradiol 1987; 29: 582
- MR detection of intracranial calcification: a phantom study, Tsuruda JS; Bradley WG, AJNR 1987; 8: 1049
- MR diagnosis of acute disseminated encephalomyelitis, Atlas SW; Grossman RI; Goldberg HI; et al, JCAT 1986; 10: 798
- MR evaluation of early myelination patterns in normal and developmentally delayed infants, Dietrich RB; Bradley WG; Zaragoza EJ IV; et al, AJNR 1988; 9: 69
- MR evaluation of hydrocephalus, El Gammal T; Allen MB Jr; Brooks BS; et al, AJNR 1987; 8: 591
- MR findings in normal-pressure hydrocephalus: significance and comparison with other forms of dementia, Jack CR Jr; Mokri B; Laws ER Jr; et al, JCAT 1987; 11: 923
- MR flow imaging in vascular malformations using gradient recalled acquisition, Needell WM; Maravilla KR, AJNR 1988; 9: 637
- MRI and hydrocephalus in childhood, Britton J; Marsh H; Kendall B; et al, Neuroradiol 1988; 30: 310
- MRI appearance of AIDS subacute encephalopathy, Shabas D; Gerard G; Cunha B; et al, Comput Radiol 1987; 11: 69
- MR identification of bleeding site in subarachnoid hemorrhage with multiple intracranial aneurysms, Hackney DB; Lesnick JE; Zimmerman RA; et al, JCAT 1986; 10: 878
- MRI evaluation of tuberous sclerosis, Martin N; de Broucker T; Cambier J; et al, Neuroradiol 1987; 29: 437
- MRI in cranial tuberculosis, Just M; Higer HP; Betting O; et al, Eur J Radiol 1987; 7: 276
- MRI in epilepsy, Gerard G; Shabas D; Rossi D, Comput Radiol 1987; 11: 223
- MR imaging and spectroscopy in clinical and experimental cerebral ischemia: review, Brant-Zawadzki M; Weinstein P; Bartkowski H; et al, AJNR 1987; 8: 39
- MR imaging in a case of Hallervorden-Spatz disease, Tanfani G; Mascalchi M; Dal Pozzo GC; et al, JCAT 1987; 11: 1057
- MR imaging in Aicardi syndrome, Baier P; Markl A; Thelen M; et al, AJNR 1988; 9: 805
- MR imaging in "lacunar" hemiballismus, Biller J; Graff-Radford NR; Smoker WRK; et al, JCAT 1986; 10: 793
- MR imaging in multiple sclerosis: comparison with clinical, CSF, and visual evoked potential findings, Uhlenbrock D; Seidel D; Gehlen W; et al, AJNR 1988; 9: 59
- MR imaging in progressive multifocal leukoencephalopathy, Guilleux M-H; Steiner RE; Young IR, AJNR 1986; 7: 1033
- MR imaging with angiographically occult vascular malformations, Lemme-Plaghos L; Kucharczyk W; Brant-Zawadzki M; et al, AJNR 1986; 7: 217
- MR imaging of brain contusions: a comparative study with CT, Hesselink JR; Dowd CF; Healy ME; et al, AJNR 1988; 9: 269
- MR imaging of central pontine myelinolysis, Rippe DJ; Edwards MK; D'Amour PG; et al, JCAT 1987; 11: 724
- MR imaging of cerebral dural sinus thrombosis, Snyder TC; Sachdev HS, JCAT 1986; 10: 889
- MR imaging of cerebral hemiatrophy, Zeiss J; Brinker RA, JCAT 1988; 12: 640
- MR imaging of Chiari II malformation, El Gammal T; Mark EK; Brooks BS, AJNR 1987; 8: 1037
- MR imaging of Chiari II malformation associated with dysgenesis of cerebellum and brain stem, Yuh WTC; Segall HD; Senac MO; et al, JCAT 1987; 11: 188
- MR imaging of epidermoid cysts, Vion-Dury J; Vincentelli F; Jiddane M; et al, Neuroradiol 1987; 29: 333
- MR imaging of heterotopic gray matter, Hayden SA; Davis KA; Stears JC; et al, JCAT 1987; 11: 878
- MR imaging of histiocytosis X in the central nervous system, Graif M; Pennock JM, AJNR 1986; 7: 21
- MR imaging of intracranial cysticercosis: comparison with CT and anatomopathologic features, Suss RA; Maravilla KR; Thompson J, AJNR 1988; 9: 235
- MR imaging of intracranial tuberculomas, Gupta RK; Jena A; Sharma A; et al, JCAT 1988; 12: 280
- MR imaging of intracranial tuberculous sclerosis, McMurdo SK Jr; Moore SG; Brant-Zawadzki M; et al, AJNR 1987; 8: 77
- MR imaging of intraventricular cysticercosis, Rhee RS; Kumasaki DY; Sawar M; et al, JCAT 1987; 11: 598
- MR imaging of Pelizaeus-Merzbacher disease, Penner MW; Li KC; Gebarski SS; et al, JCAT 1987; 11: 591
- MR imaging of pericallosal lipoma, Dean B; Drayer BF; Beresini DC; et al, AJNR 1988; 9: 929
- MR imaging of pontine and extrapontine myelinolysis, Morioka F; Tashiro K; Maruo Y; et al, JCAT 1988; 12: 446
- MR imaging of primary epidermoid tumors, Steffy DJ; De Filipp G; Spera T; et al, JCAT 1988; 12: 438
- MR imaging of pseudotumor cerebri, Moser FG; Hilal SK; Abrams G; et al, AJNR 1988; 9: 39
- MR imaging of ruptured intracranial dermoid, Hahn FJ; Ong E; McComb RD; et al, JCAT 1986; 10: 888
- MR imaging of schizencephaly, Barkovich AJ; Norman D, AJNR 1988; 9: 297
- MR imaging of syringohydromyelia and Chiari malformations in myelomeningocele patients with scoliosis, Samuelsson L; Bergstrom K; Thuomas K-A; et al, AJNR 1987; 8: 539
- MR imaging of the brain, Brant-Zawadzki N, Radiology 1988; 166: 1
- MR imaging of the cavernous sinus: value of spin echo and gradient recalled echo images, Daniels DL; Czervionke LF; Bonneville JF; et al, AJNR 1988; 9: 947
- MR imaging of the mesencephalic tectum: normal and pathologic variations, Sherman JL; Citrin CM; Barkovich AJ; et al, AJNR 1987; 8: 59
- MR imaging of the sellar spine, Fujisawa I; Asato R; Togashi K; et al, JCAT 1988; 12: 644
- MR imaging of white matter disease in children, Nowell MA; Grossman RI; Hackney DB; et al, AJNR 1988; 9: 503
- MR imaging section profile optimization: improved contrast and detection of lesions, Runge VM; Wood ML; Kaufman DM; Silver MS, Radiology 1988; 167: 831
- MR imaging using stimulated echoes (STEAM), Haase A; Frahm J; Matthaei D; Hanicke W; Bomsdorf H; Kunz D; Tischler R, Radiology 1986; 160: 787
- MR imaging vs CT in subacute sclerosing panencephalitis, Tsuchiya K; Yamauchi T; Furui S; et al, AJNR 1988; 9: 943
- MR imaging with topographic EEG electrodes in place, Lufkin R; Jordan S; Lylyck P; et al, AJNR 1988; 9: 953
- MR in the diagnosis of colloid cysts of the third ventricle, Scotti G; Scialfa G; Colombo N; et al, AJNR 1987; 8: 370
- MRI of central nervous system: early clinical results, Zimmerman RA; Bilaniuk LT; Johnson MH; et al, AJNR 1986; 7: 587
- MRI of corpus callosal syndromes, Curnes JT; Laster DW; Koubek TD; et al, AJNR 1986; 7: 617
- MRI of Listeria rhombencephalitis, Just M; Kramer G; Higer HP; et al, Neuroradiol 1987; 29: 401
- MRI of normal brain maturation, Holland BA; Haas DK; Norman D; et al, AJNR 1986; 7: 201
- MRI of sickle cell cerebral infarction, Zimmerman RA; Gill F; Goldberg HI; et al, Neuroradiol 1987; 29: 232
- MRI parameters in multiple sclerosis patients, Reider-Groswasser I; Kott E; Benmair J; et al, Neuroradiol 1988; 30: 219
- MRI study of a feline model of acute cerebral ischemia: contribution of paramagnetic contrast media to the diagnosis, Berry I; Brant-Zawadzki M; Manelfe C, J Neuroradiol 1988; 15: 95
- MR of brain radiation injury: experimental studies in cats, Hecht-Leavitt C; Grossman RI; Curran WJ Jr; et al, AJNR 1987; 8: 427
- MR of Leigh's disease (subacute necrotizing encephalomyelopathy), Davis PC; Hoffman JC Jr; Braun IF; et al, AJNR 1987; 8: 71

- MR of lissencephaly, Lee BCP; Engel M, *AJNR* 1988; 9: 804
- MR of neuronal migration anomalies, Barkovich AJ; Chuang SH; Norman D, *AJNR* 1987; 8: 1009
- MR of the diaphragma sellae, Daniels DL; Pajunas KW; Kilgore DP; et al, *AJNR* 1986; 7: 765
- MR signal abnormalities at 1.5 T in Alzheimer's dementia and normal aging, Fazekas F; Chawluk JB; Alavi A; et al, *AJNR* 1987; 8: 421
- multifocal intracranial MR abnormalities in neurofibromatosis, Hurst RW; Newman SA; Cail WS, *AJNR* 1988; 9: 293
- multiple sclerosis: gadolinium enhancement in MR imaging, Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH, *Radiology* 1986; 161: 721
- multiple sclerosis: serial study of gadolinium-enhanced MR imaging, Grossman RI; Braffman BH; Brorson JR; Goldberg HI; Silberberg DH; Gonzalez-Scarano F, *Radiology* 1988; 169: 117
- multiple spin echo magnetic resonance imaging of the brain, Harms SE; Siemers PT; Hildenbrand P; Plum G, *Radiographics* 1986; 6: 117
- multiple system atrophy (Shy-Drager syndrome): MR imaging, Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L, *Radiology* 1986; 159: 499
- neuroepithelial cysts of the lateral ventricles: MR appearance, Czervionke LF; Daniels DL; Meyer GA; et al, *AJNR* 1987; 8: 609
- neuroradiology. RSNA '87 meeting notes, Kieffer SA; Segall HD; Modic MT; Drayer BP, *Radiology* 1988; 166: 604
- NMR changes in experimental allergic encephalomyelitis: NMR changes precede clinical and pathological events, O'Brien JT; Noseworthy JH; Gilbert JJ; et al, *Magn Res Med* 1987; 5: 109
- NMR tomography for the visualization of the diffusion of Gd-DTPA in agar-gel and in brain tissue—in vitro studies, Holz M; Strecker EP; Weiss KH, *Eur J Radiol* 1987; 7: 137
- noncolloid neuroepithelial cysts in the lateral ventricle: magnetic resonance features, Numaguchi Y; Kumra A; Schmidt RD; et al, *CT* 1988; 12: 174
- nonedited ¹H NMR lactate/n-acetyl aspartate ratios and the *in vivo* determination of lactate concentration in brain, Vink R; McIntosh TK; Faden AI, *Magn Res Med* 1988; 7: 95
- nonrefractory temporal lobe epilepsy: 1.5-T MR imaging, Trulzi F; Franceschi M; Fazio F; Del Maschio A, *Radiology* 1988; 166: 181
- normal maturation of the neonatal and infant brain: MR imaging at 1.5 T, Barkovich AJ; Kjos BO; Jackson DE Jr; Norman D, *Radiology* 1988; 166: 173
- nuclear magnetic resonance of the brain, Bydder GM, *Cardiovasc Intervent Radiol* 1986; 8: 264
- nuclear magnetic resonance relaxation in experimental brain edema: effects of water concentration, protein concentration, and temperature, Kamman RL; Go KG; Brouwer W; et al, *Magn Res Med* 1988; 6: 265
- observation of metabolites in the human brain by MR spectroscopy, Luyten PR; den Hollander JA, *Radiology* 1986; 161: 795
- oculocerebrorenal syndrome: case report with CT and MR correlates, O'Tuama LA; Laster DW, *AJNR* 1987; 8: 555
- P-31 magnetic resonance studies of human brain at 2 T, Oberhaensli RD; Hilton-Jones D; Bore PJ; et al, *Magn Res Imag* 1986; 4: 417
- ³¹P and ¹H NMR spectroscopy to study the effects of Gallopamil on brain ischemia, Ligeti L; Osbakken MD; Subramanian HV; et al, *Magn Res Med* 1987; 4: 441
- Parkinson plus syndrome: diagnosis using high field MR imaging of brain iron, Drayer BP; Olanow W; Burger P; Johnson GA; Herfkens R; Riederer SJ, *Radiology* 1986; 159: 493
- passionate man plays his part: neuroimaging and multiple sclerosis, Gebarski SS, *Radiology* 1988; 169: 275
- periventricular hyperintensity as seen by magnetic resonance: prevalence and significance, Zimmerman RD; Fleming CA; Lee BCP; et al, *AJNR* 1986; 7: 13
- periventricular leukomalacia: evaluation with MR imaging, Wilson DA; Steiner RE, *Radiology* 1986; 160: 507
- phospholipid profile of the human brain: ³¹P NMR spectroscopic study, Kwee IL; Nakada T, *Magn Res Med* 1988; 6: 296
- pineal germinoma: MR imaging, Kilgore DP; Strother CM; Starshak RJ; Houghton VM, *Radiology* 1986; 158: 435
- ³¹P NMR characterization of graded traumatic brain injury in rats, Vink R; McIntosh TK; Yamakami I; et al, *Magn Res Med* 1988; 6: 37
- preliminary experience of magnetic resonance imaging in neurosarcoidosis, Ketonen L; Oksanen V; Kuuliala I, *Neuroradiol* 1987; 29: 127
- pulse sequence extrapolation with MR image synthesis, Bobman SA; Riederer SJ; Lee JN; Tasciyan T; Farzaneh F; Wang HZ, *Radiology* 1986; 159: 253
- quantitation of acidosis in neonatal brain tissue using the ³¹P NMR resonance peak of phosphoethanolamine, Corbett RJT; Laptook AR; Hassan A; et al, *Magn Res Med* 1988; 6: 99
- quantitative determination of MS-induced corpus callosum atrophy *in vivo* using MR imaging, Simon JH; Schiffer RB; Rudick RA; et al, *AJNR* 1987; 8: 599
- quantitative estimation of lactate in the brain by ¹H NMR, Williams SR; Proctor E; Allen K; et al, *Magn Res Med* 1988; 7: 425
- radiation effects on cerebral white matter: MR evaluation, Tsuruda JS; Kortman KE; Bradley WG; et al, *AJNR* 1987; 8: 431
- reduced signal intensity on MR images of thalamus and putamen in multiple sclerosis: increased iron content?, Drayer BP; Burger P; Hurwitz B; et al, *AJNR* 1987; 8: 413
- reproducibility of relaxation and spin-density parameters in phantoms and the human brain measured by MR imaging at 1.5 T, Breger RK; Wehrli FW; Charles HC; et al, *Magn Res Med* 1986; 3: 649
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- role of nuclear magnetic resonance imaging in the diagnosis of MS in childhood, (ab), Golden GS; Woody RC, *Radiology* 1988; 166: 295
- scanographie et IRM de la maladie de Marchiafava-Bignami (computerized tomography and MRI in Marchiafava-Bignami disease), Bracard S; Claude D; Vespignani H; et al, *J Neuroradiol* 1986; 13: 87
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging, Le Bihan D; Breton E; Lallemand D; Aubin M-L; Vignaud J; Laval-Jeantet M, *Radiology* 1988; 168: 497
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging: a modest proposal with tremendous potential, Dixon WT, *Radiology* 1988; 168: 566
- sequelae of carbon monoxide poisoning: an MRI study of two cases, Vion-Dury J; Jiddane M; Van Bunnem Y; et al, *J Neuroradiol* 1987; 14: 60
- serial MR imaging in neonatal cerebral injury, Johnson MA; Pennock JM; Bydder GM; et al, *AJNR* 1987; 8: 83
- significance of cerebellar tonsillar position on MR, Barkovich AJ; Wippold FJ; Sherman JL; et al, *AJNR* 1986; 7: 795
- significance of proton relaxation time measurement in brain edema, cerebral infarction and brain tumors, Naruse S; Horikawa Y; Tanaka C; et al, *Magn Res Imag* 1986; 4: 293
- size determination of supratentorial arteriovenous malformations by MR, CT and angio, Noorbehesht B; Fabrikant JL; Enzmann DR, *Neuroradiol* 1987; 29: 512
- SPECT imaging of para-axial neurofibromatosis with technetium-99m DTPA, Mandell GA; Harcke HT; Sharkey C; et al, *J Nucl Med* 1987; 28: 1688
- spin-echo MR imaging of intracranial hemorrhage, Dooms GC; Uske A; Brant-Zawadzki M; et al, *Neuroradiol* 1986; 28: 132
- spin-lattice relaxation (T₁) times of cerebral white matter in multiple sclerosis, Lacomis D; Osbakken MD; Gross G, *Magn Res Med* 1986; 3: 194
- spinocerebellar degeneration: qualitative and quantitative MR analysis of atrophy, Nabatame H; Fukuyama H; Akiguchi I; et al, *JCAT* 1988; 12: 298
- study of movement disorders and brain iron by MR, Rutledge JN; Hilal SK; Silver AJ; et al, *AJNR* 1987; 8: 397
- subacute intracranial hemorrhage: contribution of spin density to appearance on spin-echo MR images, Hackney DB; Atlas SW; Grossman RI; Gomori JM; Goldberg HI; Zimmerman RA; Bilaniuk LT, *Radiology* 1987; 165: 199
- susceptibility induced MR line broadening: applications to brain iron mapping, Wismer GL; Buxton RB; Rosen BR; et al, *JCAT* 1988; 12: 259
- T2 estimates in healthy and diseased brain tissue: comparison using various MR pulse sequences, Darwin RH; Drayer BP; Riederer SJ; Wang HZ; MacFall JR, *Radiology* 1986; 160: 375
- temperature changes caused by MR imaging of the brain with a head coil, Shellock FG; Cruess JV, *AJNR* 1988; 9: 287
- temporal-lobe epilepsy: comparison of CT and MR imaging, Schörner W; Meenecke H-J; Felix R, *AJNR* 1987; 8: 773
- temporal-lobe epilepsy: comparison of CT and MR imaging, Schörner W; Meenecke H-J; Felix R, *AJR* 1987; 149: 1231
- temporal lobe volume measurement from MR images: accuracy and left-right asymmetry in normal persons, Jack CR Jr; Gehring DG; Sharbrough FW; et al, *JCAT* 1988; 12: 21
- thalamic histoplasmosis: CT and MR imaging, Dion BP; Venger BH; Landon G; et al, *JCAT* 1987; 11: 193
- three-dimensional contour surfacing of the skull, face, and brain from CT and MR images and from anatomic sections, Stimac GK; Sundsten JW; Prothero JS; et al, *AJR* 1988; 151: 807
- "top of the basilar" syndrome: a comparison of clinical and MR findings, Barkhof F; Valk J, *Neuroradiol* 1988; 30: 293
- towards an advisor for MRI, du Boulay GH; Woods AJ; Teather D; et al, *Neuroradiol* 1988; 30: 245
- trimodal evoked potentials compared with magnetic resonance imaging in the diagnosis of multiple sclerosis, (ab), Giesser BS; Kurtzberg D; Vaughan HG Jr; et al, *Radiology* 1987; 164: 887
- trimodal evoked potentials compared with magnetic resonance imaging in the diagnosis of multiple sclerosis, (ab), Giesser BS; Kurtzberg D; Vaughan HG Jr; et al, *Radiology* 1987; 165: 590
- triple nuclear NMR studies of cerebral metabolism during generalized seizure, Schnall MD; Yoshizaki K; Chance B; et al, *Magn Res Med* 1988; 6: 15
- tuberosclerosis: characteristics at CT and MR imaging, Altman NR; Purser RK; Post MJD, *Radiology* 1988; 167: 527
- use of cerebrospinal fluid gating to improve T2-weighted images, part II. temporal lobes, basal ganglia, and brain stem, Enzmann DR; Rubin JB; O'Donohue J; Griffin C; Drace J; Wright A, *Radiology* 1987; 162: 768
- use of MR imaging for quantitative evaluation of resection for temporal lobe epilepsy, Jack CR Jr; Sharbrough FW; Marsh WR, *Radiology* 1988; 169: 463
- variable appearances of subacute intracranial hematomas on high-field spin-echo MR, Gomori JM; Grossman RI; Hackney DB; et al, *AJNR* 1987; 8: 1019
- vascular territories in the cerebellum and brainstem: CT and MR study, Saviardo M; Bracchi M; Passerini A; et al, *AJNR* 1987; 8: 199
- visualization of brain iron by mid-field MR, Norrby JF; Couch JR; Elble RJ; et al, *AJNR* 1988; 9: 77
- Wallerian degeneration: evaluation with MR imaging, Kuhn MJ; Johnson KA; Davis KR, *Radiology* 1988; 168: 199

- when should GRASS be used? Bradley WG, Radiology 1988; 169: 574
- white matter disease in AIDS: findings at MR imaging. Olsen WL, Longo FM, Mills CM, Norman D, Radiology 1988; 169: 445
- white-matter lesions in MR imaging of clinically healthy brains of elderly subjects: possible pathologic basis. Kirkpatrick JB, Hayman LA, Radiology 1987; 162: 509
- white-matter lesions in MR imaging of elderly subjects. Challa VR, Moody DM, Radiology 1987; 164: 874
- white-matter lesions in MR imaging of elderly subjects: reply. Kirkpatrick JB, Hayman LA, Radiology 1987; 164: 874
- Brain, mycoses**
- craniofacial mucormycosis: assessment with CT. Gamba JL, Woodruff WW, Djang WT, Yeates AE, Radiology 1986; 160: 207
- Brain, necrosis**
- bilateral lesions of the putamina. Kretzschmar K, Ludwig B, Kramer G, et al, Neuroradiol 1986; 28: 87
- carbon monoxide toxicity: MR imaging in the brain. Horowitz AL, Kaplan R, Sarpel G, Radiology 1987; 162: 787
- cerebral necrosis after radiotherapy and/or intraarterial chemotherapy for brain tumors: PET and neuropathologic studies. Di Chiro G, Oldfield E, Wright DC, et al, AJNR 1987; 8: 1083
- gelatin sign: ultrasonographic evidence of cerebral necrosis in infants. (ab). Colan RV, Radiology 1986; 161: 576
- intense brain cortical enhancement on CT in laminar necrosis verified by biopsy. Liwnicz BH, Mouradian MD, Ball JB Jr, AJNR 1987; 8: 157
- normal brain iodine-125 radiation damage: effect of dose and irradiated volume in a canine model. Turowski K, Fike JR, Cann CE, Higgins RJ, Davis RL, Gutin PH, Phillips TL, Weaver KA, Radiology 1986; 158: 833
- Brain, neoplasms**
- See Brain neoplasms
- Brain, parasites**
- cerebral sparganosis: CT characteristics. Chang KH, Cho SY, Chi JG, Kim WS, Han MC, Kim C-W, Myung H, Choi KS, Radiology 1987; 165: 505
- Brain, radiography**
- long term effects of the introduction of noninvasive investigations in neuroradiology: part 1: overall trends. Moseley IF, Neuroradiol 1988; 30: 187
- long term effects of the introduction of noninvasive investigations in neuroradiology: part 2: effects on management of individual patients. Moseley I, Neuroradiol 1988; 30: 193
- Brain, radionuclide studies**
- absent-decreased perfusion in the cerebral SPECT study using I-123 HIPDM. Shih W-J, Loh F, Domstad PA, et al, Semin Nucl Med 1988; 18: 169
- anatomical adjustments in brain positron emission tomography using CT images. Miura S, Kanno I, Iida H, et al, JCAT 1988; 12: 363
- application of iodine-123-labeled isopropylamphetamine imaging to the study of dementia. Sharp PF, Gemmell HG, Cherryman G, et al, J Nucl Med 1986; 27: 761
- brain phantom: high-resolution imaging with SPECT and I-123. Floyd CE Jr, Jaszcak RJ, Greer KL, Coleman RE, Radiology 1987; 164: 279
- cardiopulmonary flow studies showing abnormal brain perfusion. Thivolle P, Mathieu L, Bouyoucef SE, et al, Clin Nucl Med 1988; 13: 305
- caudate nucleus infarction demonstrated by N-isopropyl-p-iodoamphetamine SPECT imaging using a rotating gamma camera. Polak JF, Mueller SP, Holman BL, Clin Nucl Med 1986; 11: 718
- cerebellar glucose consumption in normal and pathologic states using fluorine-FDG and PET. Kushner M, Tobin M, Alavi A, et al, J Nucl Med 1987; 28: 1667
- cerebral arterial spasm after subarachnoid hemorrhage: case report with SPECT and iodine-123 HIPDM. Di Piero V, Caneschi S, Bosio CB, et al, Clin Nucl Med 1987; 12: 395
- cerebral dynamics of N-isopropyl-(123)iodoamphetamine. Creutzig H, Schober O, Gielow P, et al, J Nucl Med 1986; 27: 178
- cerebral infarction pattern identified on emission computed tomography using technetium-99m MDP. Wallace JC, Beyea D, Clin Nucl Med 1988; 13: 268
- cerebral perfusion imaging in Alzheimer's disease: use of single photon emission computed tomography and iofetamine hydrochloride I 123. (ab). Johnson KA, Mueller ST, Walshe TM, et al, Radiology 1987; 164: 592
- changes in cerebral perfusion after acute head injury. Powe J, Thompson T, Maguire C, Radiology 1988; 167: 581
- changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HM-PAO SPECT. Abdel-Dayem HM, Sadek SA, Kouris K, Bahar RH, Higazi I, Eriksson S, Engleson SH, Bernstein L, Sigurdson GH, Foad M, Olivecrona H, Radiology 1987; 163: 221
- changes in cerebral perfusion after acute head injury: reply. Abdel-Dayem HM, Radiology 1988; 167: 582
- conventional radionuclide brain imaging in the era of transmission and emission tomography. Cowan RJ, Semin Nucl Med 1986; 16: 63
- CT, magnetic resonance imaging, and SPECT iodine-123 iodoamphetamine imaging of a patient with progressive cognitive deterioration. Tikofsky RS, Harsch HH, Goldstein MD, et al, Clin Nucl Med 1987; 12: 463
- decreased iodine-123 IMP caudate nucleus uptake in patients with Huntington's disease. Nagel JS, Johnson KA, Ichise M, et al, Clin Nucl Med 1988; 13: 486
- demonstration of focal hyperemia in acute cerebral infarction with iodine-123 iodoamphetamine. Bushnell DL, Gupta S, Micoc AG, et al, J Nucl Med 1987; 28: 1920
- determination of death and the changing role of medical imaging. Morayati SJ, Nagle CE, Radiographics 1988; 8: 967
- diagnosis of Alzheimer's disease and multiple infarct dementia by tomographic imaging of iodine-123 IMP. Cohen MB, Graham LS, Lake R, et al, J Nucl Med 1986; 27: 769
- diagnosis of dementia with single photon emission computed tomography. (ab). Jagust WJ, Budinger TF, Reed BR, Radiology 1987; 164: 592
- diagnosis of dementia with single photon emission computed tomography. (ab). Jagust WJ, Budinger TF, Reed BR, Radiology 1987; 165: 590
- early and delayed single photon emission CT in various cerebral diseases using N-isopropyl-p-(123)iodoamphetamine. Ueda T, Kinoshita K, Watanabe K, et al, Neuroradiol 1988; 30: 123
- early and delayed SPECT using N-isopropyl-p-iodoamphetamine iodine 123 in cerebral ischemia: a prognostic index for clinical recovery. (ab). Defer G, Moretti JL, Cesaro P, et al, Radiology 1987; 165: 887
- early and delayed SPECT using N-isopropyl-p-iodoamphetamine iodine 123 in cerebral ischemia: a prognostic index for clinical recovery. (ab). Defer G, Moretti JL, Cesaro P, et al, Radiology 1988; 166: 913
- equivocal findings on cranial CT but apparent cerebral lesion(s) on conventional radionuclide imaging. Shih W-J, DeLand FH, Clin Nucl Med 1987; 12: 219
- frequency and patterns of abnormality detected by iodine-123 amine emission CT after cerebral infarction. Brott TG, Gelfand MJ, Williams CC, Spilker JA, Hertzberg VS, Radiology 1986; 158: 729
- functional imaging of the brain. El PJ, Jarritt PH, Costa DC, et al, Semin Nucl Med 1987; 17: 214
- gallium-67 imaging: cephalohematoma. Sty JR, Wells RG, Gregg DC, et al, Clin Nucl Med 1987; 12: 821
- gallium-67 imaging of unsuspected cerebral toxoplasmosis in AIDS. Gilbertson V, Oates E, Clin Nucl Med 1988; 13: 679
- gallium scintigraphy in a case of septic cavernous sinus thrombosis. Palestro CJ, Malat J, Gladstone AG, et al, Clin Nucl Med 1986; 11: 636
- global cerebral glucose utilization is independent of brain size: a PET study. Hatazawa J, Brooks RA, Di Chiro G, et al, JCAT 1987; 11: 571
- glucose transport and utilization in the human brain: model using carbon-11 methylglucose and positron emission tomography. Feinendegen LE, Herzog H, Wieler H, et al, J Nucl Med 1986; 27: 1867
- haemodynamics and oxygen metabolism in patients after reversible ischaemic attack or minor ischaemic stroke assessed with positron emission tomography. Itoh M, Hatazawa J, Pozzilli C, et al, Neuroradiol 1987; 29: 416
- high yield synthesis of 6-[18F]fluoro-L-dopa. Chirakal R, Firman G, Garnett ES, J Nucl Med 1986; 27: 417
- high yield synthesis of 6-[18F]fluoro-L-DOPA by regioselective fluorination of protected L-DOPA with [18F]acetylthiopyranose. Chaly T, Diksic M, J Nucl Med 1986; 27: 1896
- hypervascularity on cerebral radionuclide angiogram. Lin DS, Semin Nucl Med 1986; 16: 74
- hypovascularity on cerebral radionuclide angiogram. Lin DS, Semin Nucl Med 1986; 16: 77
- images of the brain: past as prologue. Wagner HN Jr, J Nucl Med 1986; 27: 1929
- improved delineation of human dopamine receptors using [18F]-N-methylspiperidol and PET. Arnett CD, Wolf AP, Shue C-Y, et al, J Nucl Med 1986; 27: 1878
- increased accumulation of N-isopropyl-(1-123)-p-iodoamphetamine in the left auditory area in a schizophrenic patient with auditory hallucinations. Matsuda H, Gyobu T, Il M, et al, Clin Nucl Med 1988; 13: 53
- initial experience with technetium-99m HM-PAO brain SPECT. Podreka I, Sues S, Goldenberg G, et al, J Nucl Med 1987; 28: 1657
- intracranial tumors: unexpected uptake of I-123 HIPDM. McVeigh MC, Merchut MP, Karesh SM, Ghobrial MW, Dillehay DL, Radiology 1986; 161: 409
- iodine-123 HIPDM brain imaging findings in subacute spongiform encephalopathy (Creutzfeldt-Jakob disease). Shih WJ, Markesbery WR, Clark DB, et al, J Nucl Med 1987; 28: 1484
- iodine-123 iodoamphetamine brain scan in a patient with auditory hallucination. Matsuda H, Gyobu T, Il M, et al, J Nucl Med 1988; 29: 558
- kinetics of [14C]N,N-dimethylphenylethylamine in mice and humans: potential for measurement of brain MAO-B activity. Shinotoh H, Inoue O, Suzuki K, et al, J Nucl Med 1987; 28: 1006
- methodologic factors affecting PET measurements of cerebral glucose metabolism. Jagust WJ, Budinger TF, Huesman RH, et al, J Nucl Med 1986; 27: 1358
- mismatch between iodine-123 IMP and technetium-99m HM-PAO brain perfusion imaging in a patient with meningioma. Hoshi H, Jinnouchi S, Watanabe K, et al, Clin Nucl Med 1987; 12: 737
- No-carrier-added N-(3-[18F]fluoropropyl)isopropylidol: biodistribution in mice and tomographic studies in a baboon. Shue C-Y, Bai L-Q, Teng R-R, et al, J Nucl Med 1987; 28: 1164
- partial correlation coefficients approximate the real intrasubject correlation pattern in the analysis of interregional relations of cerebral metabolic activity. Horwitz B, Rapoport SI, J Nucl Med 1988; 29: 392
- perfusion and receptor SPECT in the dementias—George Taplin Memorial Lecture. Holman BL, J Nucl Med 1986; 27: 855
- positive indium-111 leukocyte scan in nocardia brain abscess. Bauman JM, Osenbach R, Hartshorne MF, et al, J Nucl Med 1986; 27: 60
- prominent confluence of the straight and transverse sinuses: potential pitfall in the interpretation of tomographic brain scans. Telepak RJ, Hartshorne MF, Cawthon MA, et al, Clin Nucl Med 1986; 11: 366

- quantitative imaging of neuroreceptors in the living human brain, Wagner HN Jr, Semin Nucl Med 1986; 16: 51
- radionuclide brain perfusion studies in suspected brain death, Kuni CC, Rogge DM, Clin Nucl Med 1986; 11: 551
- radionuclide imaging in histiocytosis X, Schaub T, Ash JM, Gilday DL, Radiat Radiol 1987; 17: 397
- radionuclide scintigraphy of the brain and ultrasound studies in tubercular meningitis, Samuel AM, Vidvans AS, Clin Nucl Med 1987; 12: 298
- receptor localization and quantification with PET, Frost JJ, Radiology 1988; 169: 273
- scintigraphic evaluation of brain death: significance of sagittal sinus visualization, Lee VW, Hauck RM, Morrison MC, et al, J Nucl Med 1987; 28: 1279
- silent infarction of the brain: incidental finding demonstrated by SPECT, Mountz JM, Malinoff H, Wilson MW, Clin Nucl Med 1988; 13: 498
- simplified detection system for neuroreceptor studies in the human brain, Bice AN, Wagner HN Jr, Frost JJ, et al, J Nucl Med 1986; 27: 184
- simplified, noninvasive PET measurement of blood-brain barrier permeability, Iannotti F, Fieschi C, Alfano B, et al, JCAT 1987; 11: 390
- single photon emission computed tomography in AIDS dementia complex, Pohl P, Vogl G, Fill H, et al, J Nucl Med 1988; 29: 1382
- stability of regional cerebral glucose metabolism in the normal brain measured by positron emission tomography, Tyler JL, Strother SC, Zatorre RJ, et al, J Nucl Med 1988; 29: 631
- synthesis of "no-carrier-added" α - ^{11}C methyl-L-tryptophan, Chaly T, Diksik M, J Nucl Med 1988; 29: 370
- technetium-99m bis (aminoethanethiol) complexes with amine sidechains—potential brain perfusion imaging agents for SPECT, Éfange SMN, Kung HF, Billings J, et al, J Nucl Med 1987; 28: 1012
- technetium-99m HM-PAO brain SPECT in epileptic patients before and during unilateral hemispheric anesthesia (Wada test): report of three cases, Biersack HJ, Linke D, Brässel F, et al, J Nucl Med 1987; 28: 1763
- technetium-99m HM-PAO images (planar and SPECT) of the human brain, Abdel-Dayem HM, Sadek SA, El Sayed M, et al, Clin Nucl Med 1988; 13: 139
- technetium 99m HMPAO scanning in patients with subarachnoid hemorrhage: a preliminary study, Rawluk D, Smith FW, Deans HE, et al, Br J Radiol 1988; 61: 26
- two behavioral states studied in a single PET/FDG procedure: theory, method, and preliminary results, Chang JY, Duara R, Barker W, et al, J Nucl Med 1987; 28: 852
- value of obtaining renal images following brain scintigraphy with technetium-99m glucoheptonate, Moreno AJ, Rodriguez AA, Spicer MJ, et al, Clin Nucl Med 1986; 11: 560
- viral encephalitis: imaging with SPECT, Ackerman ES, Tumeik SS, Charron M, et al, Clin Nucl Med 1988; 13: 640
- visualization of specific binding sites of benzodiazepine in human brain, Shinotoh H, Yamashita T, Inoue O, et al, J Nucl Med 1986; 27: 1593
- Brain, size**
See Brain, volume
- Brain, surgery**
a propos des sequelles tomodesistometriques de la psycho-chirurgie frontale (computerized tomographic sequelae of frontal psychosurgery), Dorland JP, Dorland FR, Cioloca C, J Neuroradiol 1986; 13: 195
- Arnold-Chiari II malformation: intraoperative real-time US, DiPietro MA, Venes JL, Rubin JM, Radiology 1987; 164: 799
- computed tomographic analysis of bilateral cingulotomy for intractable mood disturbance and chronic pain, Bernad PG, Ballantine HT, Comput Radiol 1987; 11: 117
- CT guided stereotaxy based on scout view imaging, Wester K, Kjartansson O, Bakke SJ, Neuroradiol 1987; 29: 287
- integrated stereotaxic imaging with CT, MR imaging, and digital subtraction angiography, Peters TM, Clark JA, Olivier A, Marchand EP, Mawko G, Dieumegarde M, Muresan LV, Ethier R, Radiology 1986; 161: 821
- postcraniotomy site: CT appearance, Lanzieri CF, Som PM, Sacher M, Solodnik P, Moore F, Radiology 1986; 159: 165
- use of MR imaging for quantitative evaluation of resection for temporal lobe epilepsy, Jack CR Jr, Sharbrough FW, Marsh WR, Radiology 1988; 169: 463
- use of SPECT to distinguish recurrent brain tumor from persistent activity at a craniotomy site, Collier BD, Greenberg M, Tikofsky RS, et al, Clin Nucl Med 1987; 12: 226
- yet another targeting device for stereotactic procedures, Ambrosio D, Cianciulli E, J Neuroradiol 1987; 14: 163
- Brain, US studies**
Alexander's disease: cranial ultrasound findings, Harbord MG, LeQuesne GW, Radiat Radiol 1988; 18: 227
- Alexander's disease: cranial ultrasound findings, Harbord MG, LeQuesne GW, Radiat Radiol 1988; 18: 341
- Arnold-Chiari II malformation: intraoperative real-time US, DiPietro MA, Venes JL, Rubin JM, Radiology 1987; 164: 799
- atrial ventricular diverticulum: sonographic diagnosis, Karnaze MG, Shackelford GD, Abramson CL, AJNR 1987; 8: 721
- atrial ventricular diverticulum: sonographic diagnosis, Karnaze MG, Shackelford GD, Abramson CL, AJR 1987; 149: 569
- cerebral cysticercosis: demonstration by intraoperative neurosonography, Rosner NH, Doris PE, Singh RK, J Ultrasound Med 1987; 6: 623
- changes in the lateral ventricle with the head position: ultrasonographic observation, Koeda T, Ando Y, Takashima S, et al, Neuroradiol 1988; 30: 315
- computed tomography and ultrasound in purulent ventriculitis, Vachon L, Mikity V, J Ultrasound Med 1987; 6: 269
- cranial sonography of the occipital horns and gyral patterns in the occipital lobes, Vade A, Otto R, AJNR 1986; 7: 873
- cranial ultrasonography of neonatal periventricular/intraventricular hemorrhage: who, how, why and when?, Kirks DR, Bowie JD, Radiat Radiol 1986; 16: 114
- diagnosis of brain neuropathology in utero, Pretorius DH, Russ PD, Rumack CM, et al, Neuroradiol 1986; 28: 386
- diagnosis of cerebral atrophy in infants by near-field cranial sonography, (ab), Fischer AQ, Aziz E, Radiology 1987; 163: 838
- echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy, Teele RL, Hernanz-Schulman M, Sotrel A, Radiology 1988; 169: 423
- exclusion of fetal ventriculomegaly with a single measurement: the width of the lateral ventricular atrium, Cardozo JD, Goldstein RB, Filly RA, Radiology 1988; 169: 711
- fetal hydrocephalus: diagnosis and significance, Benacerraf BR, Radiology 1988; 169: 858
- intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, Taylor GA, Fitz CR, Miller MK, Garin DB, Catena LM, Short BL, Radiology 1987; 165: 675
- intraoperative cranial sonography, Quencer RM, Montalvo BM, Neuroradiol 1986; 28: 528
- low-level echogenicity in intraventricular hemorrhage versus ventriculitis, Grant EG, White EM, Schellinger D, Rosenbach D, Radiology 1987; 165: 471
- microbubbles as a contrast agent for neurosonography and ultrasound-guided catheter manipulation: in vitro studies, Widder DJ, Simeone JF, AJNR 1986; 7: 433
- mild idiopathic lateral cerebral ventricular dilatation in utero: sonographic evaluation, Mahony BS, Nyberg DA, Hirsch JH, Petty CN, Hendricks SK, Mack LA, Radiology 1988; 169: 715
- neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, Taylor GA, Glass P, Fitz CR, Miller MK, Radiology 1987; 165: 679
- neurosonography of hydrocephalus in infants, Shackelford GD, Neuroradiol 1986; 28: 452
- periventricular cavitations in the first week of life, Keller MS, DiPietro MA, Teele RL, et al, AJNR 1987; 8: 291
- periventricular intraparenchymal echodensities in the premature newborn: critical determinant of neurologic outcome, (ab), Guzzetta F, Shackelford GD, Volpe S, et al, Radiology 1987; 164: 294
- radionuclide scintigraphy of the brain and ultrasound studies in tubercular meningitis, Samuel AM, Vidvans AS, Clin Nucl Med 1987; 12: 298
- sonographic changes in a parasagittal cerebral lesion in an asphyxiated newborn, Huang C-C, Ho M-Y, Shen E-Y, JCU 1987; 15: 68
- sonographic diagnosis of a subdural hematoma as the initial manifestation of hemophilia in a newborn, Franze I, Forrest TS, J Ultrasound Med 1988; 7: 149
- sonographic diagnosis of lissencephaly, Motte J, Gomes H, Morville P, et al, Radiat Radiol 1987; 17: 362
- sonographic examination of the adult brain, Berland LL, Bryan CR, Sekar BC, et al, JCU 1988; 16: 337
- sonography of cerebral infarction in infancy, Hernanz-Schulman M, Cohen W, Genieser NB, AJNR 1988; 9: 131
- sonography of congenital malformations of the brain, Babcock DS, Neuroradiol 1986; 28: 428
- sonography of congenital midline brain malformations, Funk KC, Siegel MJ, Radiographics 1988; 8: 11
- sonography of intracranial infection in infants and children, Frank JL, Neuroradiol 1986; 28: 440
- sonography of the internal capsule and basal ganglia in infants: part II: localization of pathologic processes in the sagittal section through the caudothalamic groove, Naidich TP, Yousefzadeh DK, Gusnard DA, Naidich JB, Radiology 1986; 161: 615
- sonography of the normal neonatal head: supratentorial structures: state-of-the-art imaging, Naidich TP, Yousefzadeh DK, Gusnard DA, Neuroradiol 1986; 28: 408
- sonography of the postoperative brain: report on 2 years of experience, de Slegte RGM, Valk J, Kaiser MC, Neuroradiol 1986; 28: 591
- sonography of the premature brain: intracranial hemorrhage and periventricular leukomalacia, Grant EG, Neuroradiol 1986; 28: 476
- sonography of the Zellweger syndrome, Luisiri A, Sotelo-Avila C, Silberstein MJ, et al, J Ultrasound Med 1988; 7: 169
- tangential sulcal echoes: potential pitfall in the diagnosis of parenchymal lesions on cranial sonography, Bowerman RA, J Ultrasound Med 1987; 6: 685
- time requirements for intraoperative neurosonography, Quencer RM, Montalvo BM, AJNR 1986; 7: 155
- tumors and cysts, Chuang S, Harwood-Nash D, Neuroradiol 1986; 28: 463
- ultrasonography of the normal fetal brain, Pado ME, Kurtz AB, Neuroradiol 1986; 28: 380
- ultrasound guided removal of an intracranial bullet: case report, De Campo JF, Myers D, Klug GL, Australas Radiol 1986; 30: 6
- ventriculitis in congenital rubella: ultrasound demonstration, Carey BM, Arthur RJ, Housley WT, Radiat Radiol 1987; 17: 415
- Brain, volume**
brain connection: corpus callosum is larger in left-handers, (ab), Witelson SF, Radiology 1986; 158: 285
- temporal lobe volume measurement from MR images: accuracy and left-right asymmetry in normal persons, Jack CR Jr, Gehring DG, Sharbrough FW, et al, JCAT 1988; 12: 21
- Brain, white matter**
absence of white matter changes on magnetic resonance imaging in children treated with CNS prophylaxis therapy for leukemia, (ab), Kramer JH, Norman D, Brant-Zawadzki M, et al, Radiology 1988; 169: 295

- deep white matter infarction: correlation of MR imaging and histopathologic findings, Marshall VG; Bradley WG Jr; Marshall CE; Bhooapat T; Rhodes RH, *Radiology* 1988; 167: 517
- magnetic resonance imaging of white matter changes in traumatic leukoencephalopathy, Moser FG; Hillal SD; Bello JA; et al, *CT* 1988; 12: 171
- MR imaging of white matter disease in children, Nowell MA; Grossman RI; Hackney DB; et al, *AJNR* 1988; 9: 503
- normal and abnormal white matter maturation, Dietrich RB; Bradley WG Jr, *Semin US CT MR* 1988; 9: 192
- radiation, methotrexate, and white matter necrosis: laboratory evidence for neural radioprotection with preirradiation methotrexate, Geyer JR; Taylor EM; Milstein JM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 373
- Wallerian degeneration: evaluation with MR imaging, Kuhn MJ; Johnson KA; Davis KR, *Radiology* 1988; 168: 199
- ### Brain neoplasms
- See also Meninges, neoplasms
- brain gliomas: sonographic characterization, McGahan JP; Ellis WG; Budenz RW; Walter JP; Boggan JE, *Radiology* 1986; 159: 485
- calvarial destruction: an unusual manifestation of glioblastoma multiforme, Woodruff WW Jr; Djang WT; Voorhees D; et al, *AJNR* 1988; 9: 388
- case report 371, Howard BA; Rubenstein JD; Lewis AJ, *Skeletal Radiol* 1986; 15: 468
- cerebellopontine angle-petromastoid mass lesions: comparative study of diagnosis with MR imaging and CT, Gentry LR; Jacoby CG; Turski PA; Houston LW; Strother CM; Sackett JF, *Radiology* 1987; 162: 513
- cystic pilocytic astrocytomas of the cerebral hemispheres: surgical experience with 51 cases and long-term results, (ab), Palma L; Guidetti B, *Radiology* 1986; 159: 573
- glioblastoma: catheter techniques for isolated chemotherapy perfusion, Doppman JL; Dedrick RL; Shook DR; Lutz R; Goldstein SR; Blacklock JB; Boretos JW; Paul RH; Austin HA III; Bowman RL; Oldfield EH, *Radiology* 1986; 159: 477
- gliomatosis cerebri presenting with hydrocephalus and dementia, Dickson DW; Horoupian DS; Thal LJ; et al, *AJNR* 1988; 9: 200
- increasing weight and girth after neurosurgery, Martino CR; Williams CD III; Schultz CL; et al, *Invest Radiol* 1986; 21: 98
- intracranial mass in a neonate, Yang PJ; Graham AR; Carmody RF; et al, *Invest Radiol* 1986; 21: 360
- intracranial vascular sarcomas: a series of 12 cases and a review of the literature, Vincentelli F; Grisoli F; Jiddane M; et al, *J Neuroradiol* 1987; 14: 233
- involvement of posterior visual pathways by optic nerve gliomas, Lourie GL; Osborne DR; Kirks DR, *Pediatr Radiol* 1986; 16: 271
- juvenile pilocytic astrocytoma of the cerebrum in adults: distinctive neoplasm with favorable prognosis, (ab), Garcia DM; Fulling KH, *Radiology* 1986; 160: 573
- limbic lymphoma, Arasaki K; Kwee IL; Nakada T, *Neuroradiol* 1987; 29: 389
- malignant mesothelioma with brain metastases, (ab), Kaye JA; Wang A-M; Joachim CL; et al, *Radiology* 1986; 159: 822
- MR of cranial and spinal meningeal carcinomatosis: comparison with CT and myelography, Krol G; Sze G; Malkin M; et al, *AJNR* 1988; 9: 709
- PET study of methionine accumulation of glioma and normal brain tissue: competition with branched chain amino acids, Bergstrom M; Ericson K; Hagenfeldt L; et al, *JCAT* 1987; 11: 208
- postcraniectomy site: CT appearance, Lanzieri CF; Som PM; Sacher M; Solodnik P; Moore F, *Radiology* 1986; 159: 165
- presentation of central nervous system sarcoidosis as intracranial tumors, (ab), Clark WC; Acker JD; Dohan FC Jr; et al, *Radiology* 1986; 161: 863
- primary brain lymphoma, Leaney BJ; Martin JJ; Lawson JB; et al, *Australas Radiol* 1988; 32: 38
- primary intracranial germ-cell tumors: a retrospective analysis with special reference to long-term results of treatment and the behavior of rare types of tumors, Sakai N; Yamada H; Andoh T; et al, *Acta Oncol* 1988; 27: 43
- primary intracranial germ-cell tumors: clinicopathological study of 14 cases, (ab), Shokry A; Janzer RC; von Hochstetter AR; et al, *Radiology* 1986; 159: 573
- radiologic guidelines in assessing children with intracranial tumors, (ab), Batnitzky S; Segall HD; Cohen ME, *Radiology* 1986; 159: 288
- selective delivery of chemotherapeutic agents with a new catheter system, Wolpert SM; Kwan ESK; Heros D; Kasdon DL; Hedges TR III, *Radiology* 1988; 166: 547
- significance of proton relaxation time measurement in brain edema, cerebral infarction and brain tumors, Naruse S; Horikawa Y; Tanaka C; et al, *Magn Res Imag* 1986; 4: 293
- solitary myeloblastoma presenting as acute hydrocephalus: review of literature, implications for therapy, Fruauff AA; Barasch ES; Rosenthal A, *Pediatr Radiol* 1988; 18: 369
- treatment of deep vein thrombosis and pulmonary emboli in patients with primary and metastatic brain tumors: anticoagulants or inferior vena cava filter?, (ab), Olin JW; Young JR; Graor RA; et al, *Radiology* 1988; 167: 885
- ### Brain neoplasms, angiography
- angiographic features of gliosarcoma, Jack CR Jr; Bhansali DT; Chason JL; et al, *AJNR* 1987; 8: 117
- gliomas with dural invasion: computed tomography and angiography, Hasuo K; Fukui M; Tamura S; et al, *CT* 1988; 12: 100
- oligodendrogliomas of the lateral ventricle: computed tomography and angiography, Hasuo K; Fukui M; Tamura S; et al, *CT* 1987; 11: 376
- surgical neuroangiography of intracranial lesions, Berenstein A; Choi IS, *Radiol Clin North Am* 1988; 26: 1143
- ### Brain neoplasms, CT
- blood tumour barrier in intracranial tumours studied with x-ray computed tomography and positron emission tomography using 68-Ga-EDTA, Mooskin M; von Holst H; Ericson K, *Neuroradiol* 1986; 28: 259
- brain gliomas: sonographic characterization, McGahan JP; Ellis WG; Budenz RW; Walter JP; Boggan JE, *Radiology* 1986; 159: 485
- central nervous system lymphoma: histologic types and CT appearance, Jack CR Jr; O'Neill BP; Banks PM; Reese DF, *Radiology* 1988; 167: 211
- cerebellopontine angle-petromastoid mass lesions: comparative study of diagnosis with MR imaging and CT, Gentry LR; Jacoby CG; Turski PA; Houston LW; Strother CM; Sackett JF, *Radiology* 1987; 162: 513
- cerebral astrocytomas: histopathologic correlation of MR and CT contrast enhancement with stereotactic biopsy, Earnest F IV; Kelly PJ; Scheithauer BW; Kall BA; Cascino TL; Eham RL; Forbes GS; Axley PL, *Radiology* 1988; 166: 823
- chiasmal gliomas: appearance and long-term changes demonstrated by computerized tomography, (ab), Fletcher WA; Innes RK; Hoyt WF, *Radiology* 1987; 163: 838
- chondroma of falx: CT findings, Yang PJ; Seeger JF; Carmody RF; et al, *JCAT* 1986; 10: 1075
- computed tomographic findings in intracranial metastases due to breast carcinoma, Weisberg LA, *Comput Radiol* 1986; 10: 297
- computed tomography in management of medulloblastomas, Sandhu A; Kendall B, *Neuroradiol* 1987; 29: 444
- computed tomography in the diagnosis of intracranial neoplasms in children, (ab), Segall HD; Batnitzky S; Zee C-S; et al, *Radiology* 1986; 159: 288
- computed tomography of germinomas in basal ganglia and thalamus, Soejima T; Takeshita I; Yamamoto H; et al, *Neuroradiol* 1987; 29: 366
- computed tomography of gliomatosis cerebri, Geremia GK; Wollman R; Foust R, *JCAT* 1988; 12: 698
- craniopharyngioma: CT and MR imaging in nine cases, Freeman MP; Kesler RM; Allen JH; et al, *JCAT* 1987; 11: 810
- CT appearance of clival chordomas, Meyer JE; Oot RF; Lindfors KK, *JCAT* 1986; 10: 34
- CT characteristics of intraventricular oligodendrogliomas, Dolinskas CA; Simeone FA, *AJNR* 1987; 8: 1077
- CT detection of cerebral metastases inapparent on magnetic resonance imaging scan, Cooper JS; Ransohoff J; Rush S; et al, *CT* 1988; 12: 182
- CT findings in cerebral metastases, Pechova-Peterova V; Kalvach P, *Neuroradiol* 1986; 28: 254
- CT findings in cystic intramedullary oligodendroglioma, Pinto I; Ibarburen C; Castello J; et al, *AJNR* 1988; 9: 213
- CT of intracranial lymphoma, Weingarten KL; Zimmerman RD, *Semin US CT MR* 1986; 7: 9
- cystic adult medulloblastomas, Hyman AD; Lanzieri CF; Solodnik P; et al, *CT* 1986; 10: 139
- giant cell astrocytoma in tuberous sclerosis: computed tomographic findings, Moran V; O'Keefe F, *Clin Radiol* 1986; 37: 543
- glioblastoma multiforme masquerading as a more benign process, Derrig P; O'Connor L; Brammer HM; et al, *AJNR* 1986; 7: 166
- gliomas with dural invasion: computed tomography and angiography, Hasuo K; Fukui M; Tamura S; et al, *CT* 1988; 12: 100
- granulocytic sarcoma of the brain: case report and review of the literature, Barnett MJ; Zussman WV, *Radiology* 1986; 160: 223
- hemorrhagic primary intracranial neoplasms: clinical-computed tomographic correlations, Weisberg LA, *Comput Radiol* 1986; 10: 131
- histiocytic sarcoma of the brain in childhood, de Slegte RGM; Calame JJ; Burger-de Geus A; et al, *Eur J Radiol* 1987; 7: 121
- infratellar craniopharyngioma: CT and MR studies, Hillman TH; Feyster RG; Hoover ED; et al, *JCAT* 1988; 12: 702
- intracerebral choromas: unusual computed tomography appearance of leukemic infiltration, Woo E; Yue CP; Mann KS; et al, *CT* 1986; 10: 365
- intracerebral ganglioglioma, (ab), Demierre B; Stichnoth FA; Hori A; et al, *Radiology* 1987; 163: 839
- intracranial catecholamine secreting paragangliomas, Nelson MD; Kendall BE, *Neuroradiol* 1987; 29: 277
- intraparenchymal brain metastases: MR imaging versus contrast-enhanced CT, Sze G; Shin J; Krol G; Johnson C; Liu D; Deck MDF, *Radiology* 1988; 168: 187
- intraparenchymal meningioma in a child: CT and MR findings, Schroeder BA; Samaraweera RN; Starshak RJ; et al, *JCAT* 1987; 11: 192
- leiomyosarcoma metastatic to the brain: CT features and review, Haykal HA; Wang A-M; Zamani A, *AJNR* 1987; 8: 911
- longitudinal CT study of parenchymal brain changes in glioma survivors, Stylopoulos LA; George AE; de Leon MJ; et al, *AJNR* 1988; 9: 517
- medullopithelioma: first CT images, Poot RD, *Neuroradiol* 1986; 28: 286
- model of semiautomatic type-specific diagnosis of brain tumours by computed tomography: mathematical fundamentals and practical application, Iglesias JR; Kazner E; Aruffo C; et al, *Br J Radiol* 1986; 59: 895
- MR contribution after CT demonstration of supratentorial mass effect without additional localising features, Robinson DA; Steiner RE; Young JR, *JCAT* 1988; 12: 275
- neonatal brain tumors: CT and MR findings, Radkowski MA; Naidich TP; Tomita T; et al, *JCAT* 1988; 12: 10
- oligodendrogliomas of the lateral ventricle: computed tomography and angiography, Hasuo K; Fukui M; Tamura S; et al, *CT* 1987; 11: 376

- pleomorphic xanthoastrocytoma: CT appearance, Blom RJ, JCAT 1988; 12: 351
- posterior fossa plasmacytoma: computed tomographic findings, Weisberg LA, Comput Radiol 1986; 10: 141
- sequential computed tomographic imaging of a transplantable rabbit brain tumor, Kumar AJ, Hassenbusch S, Rosenbaum AE, et al, Neuroradiol 1986; 28: 81
- supratentorial ependymomas: computed tomographic and pathologic correlations, Van Tassel P; Lee Y-Y; Bruner JM, CT 1986; 10: 157
- synchronous and metachronous malignant gliomas: CT findings, Van Tassel P; Lee Y-Y; Bruner JM, AJNR 1988; 9: 725
- thalamic oligodendrogliomas of childhood: CT and clinical course, Nov AA; Peirce KR; Mauney M, et al, J Neuroradiol 1988; 15: 23
- three-dimensional computed tomographic reformations of sellar and para-sellar lesions, Gillespie JE; Adams JA; Isherwood I, Neuroradiol 1987; 29: 30
- ultrasound computed tomography and magnetic resonance of a neonatal ganglioglioma of the brain, Hanquinet S; Christophe C; Rummele E; et al, Pediatr Radiol 1986; 16: 501
- Virchow-Robin space: path of spread in neurosarcoidosis, Mirfakhraee M; Crofford WJ; Quinto FC Jr; Nauta HJW; Weedn VJ, Radiology 1986; 158: 715
- ### Brain neoplasms, diagnosis
- intracerebral malignant melanoma: high-field-strength MR imaging, Woodruff WW Jr; Djang WT; McLendon RE; Heinz ER; Voorhees DR, Radiology 1987; 165: 209
- primary glioma: diagnosis with magnetic resonance imaging, Price AC; Runge VM; Allen JH, et al, CT 1986; 10: 325
- ### Brain neoplasms, in infants and children
- Gd-DTPA-enhanced MR imaging in pediatric patients after brain tumor resection, Bird CR; Drayer BP; Medina M; Rekeate HL; Flom RA; Hodak JA, Radiology 1988; 169: 123
- medulloblastioma: first CT images, Poot RD, Neuroradiol 1986; 28: 286
- thalamic oligodendrogliomas of childhood: CT and clinical course, Nov AA; Peirce KR; Mauney M, et al, J Neuroradiol 1988; 15: 23
- unresectable gliomas in children: tumor-volume response to radiation therapy, Wechsler-Jentzsch K; Witt JH; Fitz CR; McCullough DC; Harisiadis L, Radiology 1988; 169: 237
- ### Brain neoplasms, metastases
- intraparenchymal brain metastases: MR imaging versus contrast-enhanced CT, Sze G; Shin J; Krol G; Johnson C; Liu D; Deck MDF, Radiology 1988; 168: 187
- risk of intradural spinal metastases in patients with brain metastases from bronchogenic carcinomas, Mirmanoff RO; Choi NC, Int J Radiat Oncol Biol Phys 1986; 12: 2131
- spinal subarachnoid tumor seeding from intracranial metastasis: MR findings, Barloon TJ; Yuh WTC; Yang CJC; et al, JCAT 1987; 11: 242
- ### Brain neoplasms, MR studies
- benign extraaxial tumors: contrast enhancement with Gd-DTPA, Breger RK; Papke RA; Pojunaas KW; Haughton VM; Williams AL; Daniels DL, Radiology 1987; 163: 427
- cerebellopontine angle-petromastoid mass lesions: comparative study of diagnosis with MR imaging and CT, Gentry LR; Jacoby CG; Turski PA; Houston LW; Strother CM; Sackett JF, Radiology 1987; 162: 513
- cerebral astrocytomas: histopathologic correlation of MR and CT contrast enhancement with stereotactic biopsy, Earnest F IV; Kelly PJ; Scheithauer BW; Kall BA; Cascino TL; Ehman RL; Forbes GS; Axley PL, Radiology 1988; 166: 823
- clinical use of rapid T2 weighted partial saturation sequences in MR imaging, Bydder GM; Payne JA; Collins AG; et al, JCAT 1987; 11: 17
- craniopharyngioma: CT and MR imaging in nine cases, Freeman MP; Kessler RM; Allen JH, et al, JCAT 1987; 11: 810
- CT of the brain is alive and well, Hyman RA; Gorey MT; Nuskind RL; Black KS, Radiology 1988; 167: 877
- CT of the brain is alive and well: reply, Brant-Zawadzki M, Radiology 1988; 167: 878
- dose administration of gadolinium-DTPA in MR imaging of intracranial tumors, Niendorf HP; Laniado M; Semmler W; et al, AJNR 1987; 8: 803
- dural carcinomatosis: MR demonstration, Tyrrell RL II; Bundschuh CV; Modic MT, JCAT 1987; 11: 329
- evaluation of the effects of photoradiation therapy: on brain tumors with in vivo P-31 MR spectroscopy, Naruse S; Horikawa Y; Tanaka C; Higuchi T; Sekimoto H; Ueda S; Hirakawa K, Radiology 1986; 160: 827
- experimental and human brain neoplasms: detection with in vivo sodium MR imaging, Turski PA; Houston LW; Perman WH; Hald JK; Turski D; Strother CM; Sackett JF, Radiology 1987; 163: 245
- field-cycling relaxometry: medical applications, Rinck PA; Fischer HW; Vander Elst L; Van Haverbeke Y; Muller RN, Radiology 1988; 168: 843
- Gd-DTPA-enhanced MR imaging in pediatric patients after brain tumor resection, Bird CR; Drayer BP; Medina M; Rekeate HL; Flom RA; Hodak JA, Radiology 1988; 169: 123
- hemorrhagic intracranial malignant neoplasms: spin-echo MR imaging, Atlas SW; Grossman RI; Gomori JM; Hackney DB; Goldberg HI; Zimmerman RA; Bilaniuk LT, Radiology 1987; 164: 71
- hemorrhagic intracranial retinoblastoma metastases: MR-pathology correlation, Atlas SW; Kemp SS; Rorke L; et al, JCAT 1988; 12: 286
- hemorrhagic neoplasms: MR mimics of occult vascular malformations, Sze G; Krol G; Olsen WL; et al, AJNR 1987; 8: 795
- hemorrhagic neoplasms: MR mimics of occult vascular malformations, Sze G; Krol G; Olsen WL; et al, AJR 1987; 149: 1223
- increased detection of intracranial metastases with intravenous Gd-DTPA, Healy ME; Hesselink JR; Press GA; Middleton MS, Radiology 1987; 165: 619
- infratellar craniopharyngioma: CT and MR studies, Hillman TH; Peyster RG; Hoover ED; et al, JCAT 1988; 12: 702
- intracerebral ganglioglioma, (ab), Demierre B; Stichnoth FA; Hori A; et al, Radiology 1987; 163: 839
- intracerebral malignant melanoma: high-field-strength MR imaging, Woodruff WW Jr; Djang WT; McLendon RE; Heinz ER; Voorhees DR, Radiology 1987; 165: 209
- intracranial catecholamine secreting paragangliomas, Nelson MD; Kendall BE, Neuroradiol 1987; 29: 277
- intracranial granulocytic sarcoma (chloroma): MR findings, Kao SC; Yuh WTC; Sato Y; et al, JCAT 1987; 11: 938
- intraparenchymal brain metastases: MR imaging versus contrast-enhanced CT, Sze G; Shin J; Krol G; Johnson C; Liu D; Deck MDF, Radiology 1988; 168: 187
- intraparenchymal meningioma in a child: CT and MR findings, Schroeder BA; Samaraweera RN; Starshak RJ; et al, JCAT 1987; 11: 192
- in vivo H-1 spectroscopy in humans at 1.5 T, Bárány M; Langer BG; Glick RP; Venkatasubramanian PN; Wilbur AC; Spigos DG, Radiology 1988; 167: 839
- in vivo magnetic resonance imaging and ³¹P spectroscopy of large human brain tumours at 1.5 tesla, Thomsen C; Jensen KE; Achten E; et al, Acta Radiol 1988; 29: 77
- leptomeningeal metastasis: MR imaging, Davis PC; Friedman NC; Fry SM; Malko JA; Hoffman JC Jr; Braun IF, Radiology 1987; 163: 449
- magnetic resonance imaging determination of gliomatosis cerebri, Spagnoli MV; Grossman RI; Packer RJ; et al, Neuroradiol 1987; 29: 15
- magnetic resonance imaging in childhood intracranial masses, Barnes PD; Lester PD; Yamanashi WS; et al, Magn Res Imaging 1986; 4: 41
- magnetic resonance imaging of intracranial epidermoids: report of two cases, Kooney MJ; Poon PV; Wortzman G, J Canad Assoc Radiol 1987; 38: 283
- magnetic resonance imaging of intracranial neoplasms at 0.02 tesla, Korman M; Raininko R; Kätevuo K, Acta Radiol 1987; 28: 369
- magnetic resonance imaging of midline brain tumors using inversion recovery sequences at 0.08 T (3.4 MHz), Smith FW, Magn Res Med 1987; 5: 118
- magnetic resonance imaging of periaqueductal lesions, Lee BCP, Clin Radiol 1987; 38: 527
- MR characteristics of a primary melanoma of the quadrigeminal plate, Weindling SM; Press GA; Hesselink JR, AJNR 1987; 2: 214
- MR characteristics of a primary melanoma of the quadrigeminal plate, Weindling SM; Press GA; Hesselink JR, AJNR 1988; 9: 214
- MR characterization of brain and brain tumor response to radiotherapy, Houde FV; Landy HJ; Quencer RM; et al, Int J Radiat Oncol Biol Phys 1988; 15: 213
- MR contribution after CT demonstration of supratentorial mass effect without additional localising features, Robinson DA; Steiner RE; Young JR, JCAT 1988; 12: 275
- MR findings of an unusual intracranial neuroma simulating a meningioma, Flickinger FW; Yuh WTC; Sato Y; et al, JCAT 1988; 12: 485
- MR findings of malignant intracranial teratoma in a neonate, Uken P; Sato Y; Smith W, Pediatr Radiol 1986; 16: 504
- MRI in the prestereotactic evaluation of intracerebral tumours: comparison with CT, Le Bas JF; Benabid AL; Camuset JP; et al, J Neuroradiol 1987; 14: 203
- MR image-guided P-31 MR spectroscopy in the evaluation of brain tumor treatment, Segebarth CM; Baleriaux DF; Arnold DL; Luyten PR; den Hollander JA, Radiology 1987; 165: 215
- MR imaging in infra-, para- and retrosellar mass lesions, Sartor K; Karnaze MG; Winthrop JD; et al, Neuroradiol 1987; 29: 19
- MR imaging of intracranial metastatic melanoma, Atlas SW; Grossman RI; Gomori JM; et al, JCAT 1987; 11: 577
- MR imaging of peripheral intracranial neoplasms: extraaxial vs intraaxial masses, Curnes JT, JCAT 1987; 11: 932
- MR imaging of rat brain glioma: Gd-DTPA versus Gd-DOTA, Runge VM; Jacobson S; Wood ML; Kaufman D; Adelman LS, Radiology 1988; 166: 835
- MR imaging of the brain, Brant-Zawadzki N, Radiology 1988; 166: 1
- MR imaging: possibility of tissue characterization of brain tumors using T1 and T2 values, Komiya M; Yagura H; Baba M; et al, AJNR 1987; 8: 65
- MR of craniopharyngiomas: tumor delineation and characterization, Pusey E; Kortman KE; Flannigan BD; et al, AJNR 1987; 8: 439
- MR of fourth-ventricular epidermoid tumors, Yuh WTC; Barloon TJ; Jacoby CG; et al, AJNR 1988; 9: 794
- MR of vascular encasement in parasellar masses: comparison with angiography and CT, Young SC; Grossman RI; Goldberg HI; et al, AJNR 1988; 9: 35
- multiple cerebral metastases: detectability with Gd-DTPA-enhanced MR imaging, Russell EJ; Ceremia GK; Johnson CE; Huckman MS; Ramsey RG; Washburn-Bleck J; Turner DA; Norusis M, Radiology 1987; 165: 609
- multiple chemical shift selective (CHESS) MR imaging using stimulated echoes, Matthaei D; Haase A; Frahm J; Bomsdorf H; Vollmann W, Radiology 1986; 160: 791
- neonatal brain tumors: CT and MR findings, Radoski MA; Naidich TP; Tomita T; et al, JCAT 1988; 12: 10
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging, Frank JA; Giron ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL, Radiology 1987; 164: 527
- ³¹P NMR spectroscopy of the in vivo metabolism of an intracerebral glioma in the rat, Ross BD; Higgins RJ; Boggan JE; et al, Magn Res Med 1988; 6: 403

- preoperative localization of intracranial lesions on MR. Krol G; Galicich J; Arbit E; et al. *AJNR* 1988; 9: 513
- primary glioma: diagnosis with magnetic resonance imaging. Price AC; Runge VM; Allen JH; et al. *CT* 1986; 10: 325
- proton nuclear magnetic resonance spectra of brain tumors. Tanaka C; Naruse S; Horikawa Y; et al. *Magn Res Imag* 1986; 4: 503
- relaxation times in relation to grade of malignancy and tissue necrosis in astrocytic gliomas. Englund E; Brun A; Györfy-Wagner Z; et al. *Magn Res Imag* 1986; 4: 425
- sensitivity of Gd-DTPA-enhanced MR imaging of benign extraaxial tumors. Haughton VM; Rimm AA; Czervionke LF; Breger RK; Fisher ME; Papke RA; Hendrix LE; Strother CM; Turski PA; Williams AL; Daniels DL. *Radiology* 1988; 166: 829
- spinal subarachnoid tumor seeding from intracranial metastasis: MR findings. Barloon TJ; Yuh WTC; Yang CJC; et al. *JCAT* 1987; 11: 242
- time-dependent changes in image contrast in brain tumors after gadolinium-DTPA. Schorner W; Laniado M; Niendorf HP; et al. *AJNR* 1986; 7: 1013
- tissue characterization of benign brain tumors: use of NMR-tissue parameters. Just M; Higer JP; Schwart M; et al. *Magn Res Imag* 1988; 6: 463
- tissue characterization with T1, T2, and proton density values: results in 160 patients with brain tumors. Just M; Thelen M. *Radiology* 1988; 169: 779
- ultrasound computed tomography and magnetic resonance of a neonatal ganglioglioma of the brain. Hanquinet S; Christophe C; Rummens E; et al. *Pediatr Radiol* 1986; 16: 501
- value of magnetic resonance imaging in the diagnosis of intracranial meningiomas. Mawhinney RR; Buckley JH; Holland IM; et al. *Clin Radiol* 1986; 37: 429
- vascular intracranial lesions: applications of gradient-echo MR imaging. Atlas SW; Mark AS; Fram EK; Grossman RI. *Radiology* 1988; 169: 455
- Brain neoplasms, radionuclide studies**
- application of a kinetic model on the methionine accumulation in intracranial tumours studied with positron emission tomography. Ericson K; Blomqvist G; Bergström M; et al. *Acta Radiol* 1987; 28: 505
- changes of cerebral blood flow, and oxygen and glucose metabolism following radiochemotherapy of gliomas: a PET study. Ogawa T; Uemura K; Shishido F; et al. *JCAT* 1988; 12: 290
- comparison of the accumulation kinetics of L-(methyl-¹¹C)-methionine and D-(methyl-¹¹C)-methionine in brain tumors studied with positron emission tomography. Bergström M; Lundqvist H; Ericson K; et al. *Acta Radiol* 1987; 28: 225
- differentiation of cerebral radiation necrosis from tumor recurrence by [¹⁸F]FDG and [⁸⁶Rb] positron emission tomography. Doyle WK; Budinger TF; Valk PE; et al. *JCAT* 1987; 11: 563
- glucose utilization by intracranial meningiomas as an index of tumor aggressivity and probability of recurrence: a PET study. Di Chiro G; Hatazawa J; Katz DA; Rizzoli HV; De Michele DJ. *Radiology* 1987; 164: 521
- intracranial tumors: unexpected uptake of I-123 HIPDM. McVeigh MC; Merchut MP; Karesh SM; Gholub MW; Dillehay DL. *Radiology* 1986; 161: 409
- in vivo quantitation using SPECT of radiopharmaceutical uptake by human meningiomas. Front D; Iosilevsky G; Frenkel A; Even-Sapir E; Israel O; Kolodny GM; Feinsud M. *Radiology* 1987; 164: 93
- metabolic and hemodynamic evaluation of gliomas using positron emission tomography. Tyler JL; Diksic M; Villemure J-G; et al. *J Nucl Med* 1987; 28: 1123
- pharmacokinetics of superselective intra-arterial and intravenous [¹¹C]BCNU evaluated by PET. Tyler JL; Yamamoto YL; Diksic M; et al. *J Nucl Med* 1986; 27: 775
- positron emission tomography using [¹⁸F] fluorodeoxyglucose in brain tumors: powerful diagnostic and prognostic tool. Di Chiro G. *Invest Radiol* 1987; 22: 360
- positron emission tomography with [¹¹C]-methionine and computed tomography of intracranial tumours compared with histopathologic examination of multiple biopsies. Mosakin M; von Holst H; Berström M; et al. *Acta Radiol* 1987; 28: 673
- serial PET studies of human cerebral malignancy with [¹¹C]putrescine and [¹¹C]-2-deoxy-D-glucose. Hiesiger E; Fowler JS; Wolf AP; et al. *J Nucl Med* 1987; 28: 1251
- SPECT quantitation of cobalt-57 bleomycin delivery to human brain tumors. Front D; Israel O; Iosilevsky G; et al. *J Nucl Med* 1988; 29: 187
- use of SPECT to distinguish recurrent brain tumor from persistent activity at a craniotomy site. Collier BD; Greenberg M; Tikofsky RS; et al. *Clin Nucl Med* 1987; 12: 226
- Brain neoplasms, secondary**
- adjuvant radiation therapy after surgical resection of solitary brain metastasis: association with pattern of failure and survival. Smalley SR; Schray MF; Laws ER Jr; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1611
- brain metastases from carcinoma of breast: review of 90 cases. (ab). Snee MF; Rodger A; Kerr GR. *Radiology* 1986; 158: 860
- brain metastases from malignant melanoma: conventional vs. high-dose-per-fraction radiotherapy. Ziegler JC; Cooper JS. *Int J Radiat Oncol Biol Phys* 1986; 12: 1839
- brain metastases: results and effects of re-irradiation. Hazuka MB; Kinzie JJ. *Int J Radiat Oncol Biol Phys* 1988; 15: 433
- calcified carcinoma of the lung and intracerebral metastasis. Kelly RB; Mahoney PD; Johnson JF. *CT* 1987; 11: 389
- carcinomatous encephalitis: CT and MR findings. Olsen WL; Winkler ML; Ross DA. *AJNR* 1987; 8: 553
- cerebral metastases from epithelial ovarian carcinoma. de Metz CE; Starreveld AA; MacLean GD; et al. *J Canad Assoc Radiol* 1987; 38: 192
- CNS relapse despite prophylactic cranial irradiation (PCI) in small cell lung cancer (SCLC). Hoskin PJ; Yarnold JR; Smith IE; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2025
- computed tomographic findings in intracranial metastases due to breast carcinoma. Weisberg LA. *Comput Radiol* 1986; 10: 297
- CT detection of cerebral metastases inapparent on magnetic resonance imaging scan. Cooper JS; Ransohoff J; Rush S; et al. *CT* 1988; 12: 182
- CT findings in cerebral metastases. Pechova-Petrova V; Kalvach P. *Neuroradiol* 1986; 28: 254
- diagnostic imaging in clinical cancer management: brain metastases. Bentson JR; Steckel RJ; Kagan AR. *Invest Radiol* 1988; 23: 335
- dural carcinomatosis: MR demonstration. Tyrrell RL II; Bundschuh CV; Modic MT. *JCAT* 1987; 11: 329
- hemorrhagic intracranial malignant neoplasms: spin-echo MR imaging. Atlas SW; Grossman RI; Gomori JM; Hackney DB; Goldberg HI; Zimmerman RA; Bilaniuk LT. *Radiology* 1987; 164: 71
- increased detection of intracranial metastases with intravenous Gd-DTPA. Healy ME; Hesselink JR; Press GA; Middleton MS. *Radiology* 1987; 165: 619
- leiomyosarcoma metastatic to the brain: CT features and review. Haykal HA; Wang A-M; Zamani A. *AJNR* 1987; 8: 911
- leptomeningeal metastasis: MR imaging. Davis PC; Friedman NC; Fry SM; Malko JA; Hoffman JC Jr; Braun IF. *Radiology* 1987; 163: 449
- lung cancer case with numerous calcified metastatic nodules of the brain. Fukuda Y; Homma T; Kohga H; et al. *Neuroradiol* 1988; 30: 265
- metastatic brain tumor of atrial myxoma. Kadota T; Imakita S; Mitomo M; et al. *Neuroradiol* 1987; 29: 218
- multiple cerebral metastases: detectability with Gd-DTPA-enhanced MR imaging. Russell EJ; Geremia GK; Johnson CE; Huckman MS; Ramsey RG; Washburn-Bleck J; Turner DA; Norusis M. *Radiology* 1987; 163: 609
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging. Frank JA; Giron ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL. *Radiology* 1987; 164: 527
- radiotherapy of brain metastases. Egawa S; Takiyama I; Akine Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1621
- results of therapeutic cranial irradiation in small cell lung cancer. Carmichael J; Crane JM; Bunn PA; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 455
- surgical approach to lung cancer with solitary cerebral metastasis: twenty-five years' experience. (ab). Magilligan DJ Jr; Duvernoy C; Malik G; et al. *Radiology* 1987; 163: 586
- unusual appearance of brain metastasis from adenocarcinoma of colon. Ruelle A; Macchia G; Gambini C; et al. *Neuroradiol* 1986; 28: 375
- Brain neoplasms, therapeutic radiology**
- adjuvant radiation therapy after surgical resection of solitary brain metastasis: association with pattern of failure and survival. Smalley SR; Schray MF; Laws ER Jr; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1611
- afterloaded applicator for the interstitial irradiation of brain tumours. Mantell BS; Klevenhagen SC; Afshar F. *Clin Radiol* 1986; 37: 35
- boron distribution analysis by alpha-autoradiography. Abe M; Amano K; Kitamura K; et al. *J Nucl Med* 1986; 27: 677
- brain metastases from malignant melanoma: conventional vs. high-dose-per-fraction radiotherapy. Ziegler JC; Cooper JS. *Int J Radiat Oncol Biol Phys* 1986; 12: 1839
- brain metastases: results and effects of re-irradiation. Hazuka MB; Kinzie JJ. *Int J Radiat Oncol Biol Phys* 1988; 15: 433
- brain sites. Nelson DF; Gonzalez DG; Bleeen N. *Int J Radiat Oncol Biol Phys* 1988; 14: S135
- CNS relapse despite prophylactic cranial irradiation (PCI) in small cell lung cancer (SCLC). Hoskin PJ; Yarnold JR; Smith IE; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2025
- computerized optimization of [¹²⁵I] implants in brain tumors. Bauer-Kirpes B; Sturm V; Schlegel W; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1013
- dosimetry of CT-guided volumetric IR-192 brain implant. Abrath FG; Henderson SD; Simpson JR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 359
- early radiation swelling remains a problem in the management of paediatric brain tumours. Flowman PN; Fuentes J; Harnett AN. *Br J Radiol* 1987; 60: 931
- effect of moderate level x-radiation to brain on cerebral glucose utilization. Ito M; Patronas NJ; Di Chiro G; et al. *JCAT* 1986; 10: 584
- evaluation of the effects of photoradiation therapy on brain tumors with in vivo P-31 MR spectroscopy. Naruse S; Horikawa Y; Tanaka C; Higuchi T; Sekimoto H; Ueda S; Hirakawa K. *Radiology* 1986; 160: 627
- failure of a short course of prophylactic cranial irradiation to reduce the incidence of cerebral relapse in small cell lung cancer. Ball DL; Bishop JF. *Australas Radiol* 1987; 31: 361
- hyperfractionated radiotherapy in brain stem tumors: results of a pediatric oncology group study. Freeman CR; Krischer J; Sanford RA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 311
- hypoxic cell radiosensitizers in the treatment of high grade gliomas: a new direction using combined Ro 03-6799 (pimonidazole) and SR 2508 (etanidazole). Newman HFV; Bleeen NM; Ward R; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 677
- improved precision of interstitial brain tumor irradiation using the BRW CT stereotaxic guidance system. Sapozink MD; Moeller JM; McDonald PN; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1753

- intracranial ependymomas: results of treatment with partial or whole brain irradiation without spinal irradiation. Wallner KE; Wara WM; Shelton GE; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1937
- long survival of primary cerebral lymphoma with progressive radiation necrosis. (ab). Naechut MP; Haberland C; Naechut MH; et al. *Radiology* 1986; 158: 571
- long term results of a pilot study of low dose cranial-spinal irradiation for cerebellar medulloblastoma. Brand WN; Schneider PA; Tokars RP. *Int J Radiat Oncol Biol Phys* 1987; 13: 1641
- magnetic resonance imaging of cranial radiation lesions. Curran WJ; Hecht-Leavitt C; Schut L; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1093
- medulloblastoma: the Duke University Medical Center experience. Hershatter BW; Halperin EC; Cox EB. *Int J Radiat Oncol Biol Phys* 1986; 12: 1771
- meningioma controversy: postoperative radiation therapy. Taylor BW Jr; Marcus RB Jr; Friedman WA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 299
- modification of the radiation induced damage by 2-deoxy-D-glucose in organ cultures of human cerebral gliomas. Dwarakanath BSR; Jain VK. *Int J Radiat Oncol Biol Phys* 1987; 13: 741
- MR characterization of brain and brain tumor response to radiotherapy. Houdek PV; Landy HJ; Quencer RM; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 213
- MR image-guided P-31 MR spectroscopy in the evaluation of brain tumor treatment. Segebarth CM; Baleriaux DF; Arnold DL; Luyten PR; den Hollander JA. *Radiology* 1987; 163: 215
- phase I study of mixed (neutron and photon) irradiation using two fractions per day in the treatment of high-grade astrocytomas. Duncan W; McLelland J; Davey P; et al. *Br J Radiol* 1986; 59: 441
- pontine calcification following radiotherapy: CT demonstration. Price DB; Hotson GC; Loh JP. *JCAT* 1988; 12: 45
- postoperative radiotherapy of intracranial ependymoma in pediatric and adult patients. Shaw EG; Evans RG; Scheithauer BW; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1457
- radiation dosimetry considerations in the treatment of cystic suprasellar neoplasms. McGuire EL; Balachandran S; Boyd CM. *Br J Radiol* 1986; 59: 779
- radiation therapy of primary malignant lymphoma of the brain. Yasunaga T; Takahashi M; Uozumi H; et al. *Acta Oncol* 1986; 25: 23
- radiation therapy of tumors of the brainstem and midbrain in children: experience of the Joint Center for Radiation Therapy and Children's Hospital Medical Center. (1971-1981). Eiffel PJ; Cassidy JR; Belli JA. *Int J Radiat Oncol Biol Phys* 1987; 13: 847
- radiation treatment with twice a day fractionation versus conventional fractionation in high grade astrocytoma: a retrospective study. Bignardi M; Bertoni F. *Acta Oncol* 1987; 26: 441
- radiotherapeutic management of medulloblastoma in a pediatric patient with ataxia telangiectasia. Hart RM; Kimler BF; Evans RG; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1237
- radiotherapy of brain metastases. Egawa S; Takiyama I; Aikine Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1621
- radiotherapy of primary intracranial germinomas: the case against routine craniospinal irradiation. Linstadt D; Wara WM; Edwards MSB; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 291
- randomized comparison of misonidazole sensitized radiotherapy plus BCNU and radiotherapy plus BCNU for treatment of malignant glioma after surgery: final report of an RTOG study. Nelson DF; Diener-West M; Weinstein AS; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1793
- randomized neutron dose searching study for malignant gliomas of the brain: results of an RTOG study. Laramore GE; Diener-West M; Griffin TW; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1093
- report of a randomised pilot study of the treatment of patients with supratentorial gliomas using neutron irradiation. Duncan W; McLelland J; Jack WJL; et al. *Br J Radiol* 1986; 59: 373
- results of a pilot study of hyperfractionated radiation therapy for children with brain stem gliomas. Packer RJ; Littman PA; Spoto RM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1647
- results of a randomised trial of mixed-schedule (neutron/photon) irradiation in the treatment of supratentorial grade III and grade IV astrocytoma. Duncan W; McLelland J; Jack WJL; et al. *Br J Radiol* 1986; 59: 379
- results of therapeutic cranial irradiation in small cell lung cancer. Carmichael J; Crane JM; Bunn PA; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 455
- Sheffield stereotactic radiosurgery unit: physical characteristics and principles of operation. Walton L; Bombard CK; Ramsden D. *Br J Radiol* 1987; 60: 897
- stereotactic percutaneous single dose irradiation of brain metastases with a linear accelerator. Sturm V; Kober B; Hoyer K-H; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 279
- suprasellar germinoma: radiation therapy. Fields JN; Fulling KH; Thomas PRM; Marks JE. *Radiology* 1987; 164: 247
- thallium-201 brain tumor imaging: comparative study with pathologic correlation. Kaplan WD; Takvorian T; Morris JH; et al. *J Nucl Med* 1987; 28: 47
- three dimensional image correlation of CT, MR, and PET studies in radiotherapy treatment planning of brain tumors. Schad LR; Boesecke R; Schlegel W; et al. *JCAT* 1987; 11: 948
- treatment results of intracranial germinoma as a function of the irradiated volume. Shibamoto Y; Abe M; Yamashita J; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 285
- unresectable gliomas in children: tumor-volume response to radiation therapy. Wechsler-Jentsch K; Witt JH; Fitz CR; McCullough DC; Hariaiadis L. *Radiology* 1988; 169: 237
- utility of MR in planning the radiation therapy of oligodendroglioma. Shuman WP; Griffin BR; Haynor DR; et al. *AJNR* 1987; 8: 93
- ## Brain neoplasms, therapy
- adjuvant radiation therapy after surgical resection of solitary brain metastasis: association with pattern of failure and survival. Smalley SR; Schray MF; Laws ER Jr; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1611
- chimiotherapie intra-arterielle par le cisplatine et la cytarabine apres rupture temporaire de la barriere hémato-encéphalique dans le traitement des gliomes malins de l'adulte (intra-arterial chemotherapy by cisplatin and cytarabine after temporary disruption of the blood-brain barrier). Fauchon F; Chiras J; Poisson M; et al. *J Neurosurg* 1986; 13: 151
- glioblastoma: catheter techniques for isolated chemotherapy perfusion. Doppman JL; Dedrick RL; Shook DR; Lutz RJ; Goldstein SR; Blacklock JB; Boretos JW; Paul RH; Austin HA III; Bowman RL; Oldfield EH. *Radiology* 1986; 159: 477
- intra-arterial chemotherapy of malignant gliomas. Chiras J; Dormont D; Fauchon F; et al. *J Neurosurg* 1988; 15: 31
- [¹⁵N]cisplatin PET to assess pharmacokinetics of intra-arterial versus intravenous chemotherapy for malignant brain tumors. Ginos JZ; Cooper AJL; Dhawan V; et al. *J Nucl Med* 1987; 28: 1844
- superselective cerebral arterial infusion of BCNU in high-grade glioma: the radiologist's point of view. Fontaine S; Thérion J; Melanson D; et al. *J Canad Assoc Radiol* 1988; 39: 178
- superselective intracerebral chemotherapy of malignant tumours with BCNU: neuroanatomical considerations. Thérion J; Villemure JG; Worthington C; et al. *Neurosurg* 1986; 28: 118
- ## Brain neoplasms, US studies
- choroid plexus papilloma: detection by real-time and Doppler sonography. Chow PP; Horgan JG; Burns PN; et al. *AJNR* 1986; 7: 168
- tumors and cysts. Chuang S; Harwood-Nash D. *Neuroradiol* 1986; 28: 463
- ultrasound computed tomography and magnetic resonance of a neonatal ganglioglioma of the brain. Hanquinet S; Christophe C; Rummens E; et al. *Pediatr Radiol* 1986; 16: 501
- ## Brain stem
- angiographic, CT and MRI study of cryptic brain stem vascular malformations. Bozzao L; Bastianello S; Fantozzi LM; et al. *J Neurosurg* 1988; 15: 148
- central pontine myelinolysis and its imitators: MR findings. Miller GM; Baker HL Jr; Okazaki H; Whisnant JP. *Radiology* 1988; 168: 795
- hemiparesis caused by vertebral artery compression of the medulla oblongata. (ab). Kim P; Ishijima B; Takahashi H; et al. *Radiology* 1986; 158: 284
- management of arteriovenous malformations of the brain stem. (ab). Solomon RA; Stein BM. *Radiology* 1987; 163: 295
- subcortical arteriosclerotic encephalopathy: brain stem findings with MR imaging. Salomon A; Yeates AE; Burger PC; Heinz ER. *Radiology* 1987; 165: 625
- use of cerebrospinal fluid gating to improve T2-weighted images. part II. temporal lobes, basal ganglia, and brain stem. Enzmann DR; Rubin JB; O'Donohue J; Griffin C; Drace J; Wright A. *Radiology* 1987; 162: 768
- ## Brain stem, hemorrhage
- cervicomedullary hematoma: diagnosis by MR. Naseem M; Zachariah SB; Stone J; et al. *AJNR* 1986; 7: 1096
- MR imaging of brainstem hemorrhage. Komiya M; Baba M; Hakuba A; et al. *AJNR* 1988; 9: 261
- ## Brain stem, MR studies
- central pontine myelinolysis and its imitators: MR findings. Miller GM; Baker HL Jr; Okazaki H; Whisnant JP. *Radiology* 1988; 168: 795
- cervicomedullary hematoma: diagnosis by MR. Naseem M; Zachariah SB; Stone J; et al. *AJNR* 1986; 7: 1096
- magnetic resonance appearance of slow flow vascular malformations of the brainstem. Griffin C; DeLaPaz R; Enzmann D. *Neuroradiol* 1987; 29: 506
- magnetic resonance imaging of small medullary infarctions. Fox AJ; Bogousslavsky J; Carey LS; et al. *AJNR* 1986; 7: 229
- MR imaging of brainstem hemorrhage. Komiya M; Baba M; Hakuba A; et al. *AJNR* 1988; 9: 261
- MR imaging of syringobulbia. Sherman JL; Citrin CM; Barkovich AJ. *JCAT* 1987; 11: 407
- MRI versus conventional radiologic examinations in the evaluation of the craniovertebral and cervicomedullary junction. Smoker WRK; Keyes WD; Dunn VD; Menezes AH. *Radiographics* 1986; 6: 953
- spontaneous hemorrhage in the medulla oblongata: clinical MR correlations. Biller J; Gentry LR; Adams HP Jr; et al. *JCAT* 1986; 10: 303
- subcortical arteriosclerotic encephalopathy: brain stem findings with MR imaging. Salomon A; Yeates AE; Burger PC; Heinz ER. *Radiology* 1987; 165: 625
- topological characteristics of brainstem lesions in clinically definite and clinically probable cases of multiple sclerosis: an MRI-study. Brainin M; Reisner T; Neuhold A; et al. *Neuroradiol* 1987; 29: 530
- ## Brain stem, neoplasms
- brain stem tumors in children: results of a survey of 62 patients treated with radiotherapy. Freeman CR; Suisse S. *Int J Radiat Oncol Biol Phys* 1986; 12: 1823
- hyperfractionated radiotherapy in brain stem tumors: results of a pediatric oncology group study. Freeman CR; Krischer J; Sanford RA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 311
- MRI versus conventional radiologic examinations in the evaluation of the craniovertebral and cervicomedullary junction. Smoker WRK; Keyes WD; Dunn VD; Menezes AH. *Radiographics* 1986; 6: 953
- results of a pilot study of hyperfractionated radiation therapy for children with brain stem gliomas. Packer RJ; Littman PA; Spoto RM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1647

Brain stem, US studies

sonographic examination of the brain stem area in infants: echographic and anatomic analysis, Helmke K; Winkler P; Kock C. *Pediatr Radiol* 1987; 17: 1

Breast

accessory breast tissue in the axilla: mammographic appearance, Adler DD; Rebner M; Pennes DR. *Radiology* 1987; 163: 709

benign disorders of the breast in older women. (ab), Devitt JE. *Radiology* 1986; 160: 857

changes in Wolfe mammographic patterns with aging, Flook D; Gilhorne RW; Harman J; et al. *Br J Radiol* 1987; 60: 455

utilization of screening mammography: comparison of different physician specialties, Mann LC; Hawes DR; Ghods M; Bednar EJ; Potchen EJ. *Radiology* 1987; 164: 121

Breast, angiography

differentiation between benign and malignant disease of the breast using digital subtraction angiography of the breast, (ab), Watt AC; Ackerman LV; Shetty PC; et al. *Radiology* 1986; 158: 857

Breast, biopsy

breast masses: US-guided fine-needle aspiration biopsy, Fornage BD; Farouq MJ; Simatos A. *Radiology* 1987; 162: 409

breast masses: US-guided fine-needle aspiration biopsy, Flamm MB. *Radiology* 1987; 163: 831

breast specimen radiography: evaluation of a compression device, Chilcote WA; Davis GA; Suchy P; Paushter DM. *Radiology* 1988; 168: 425

cancellation of preoperative breast localization procedures: analysis of 53 cases, Meyer JE; Sonnenfeld MR; Greenes RA; Stomper PC. *Radiology* 1988; 169: 629

can mammography exclude cancer?, Kopans DB. *Radiology* 1988; 166: 286

can mammography exclude cancer? reply, Hall FM. *Radiology* 1988; 166: 287

clinically occult breast lesions: localization and significance, Rosenberg AL; Schwartz GF; Feig SA; Patchefsky AS. *Radiology* 1987; 162: 167

cost-effectiveness of fine needle biopsy of the breast, (ab), Lannin DR; Silverman JF; Pories WJ; et al. *Radiology* 1986; 161: 574

difficult mammographic needle localizations: use of alternate orthogonal projections, Vyborny CJ; Merrill TN; Geurkink RE. *Radiology* 1986; 161: 839

difficult mammographic needle localizations: use of alternate orthogonal projections, Yagan R; Wiesen E; Bellon EM. *Radiology* 1987; 163: 829

difficult mammographic needle localizations: use of alternate orthogonal projections: reply, Vyborny CJ; Merrill TN; Geurkink RE. *Radiology* 1987; 163: 830

efficacy of specimen radiography of clinically occult noncalcified breast lesions, Stomper PC; Davis SP; Sonnenfeld MR; et al. *AJR* 1988; 151: 43

fine-needle aspiration biopsy with a vacuum test tube, Fornage BD. *Radiology* 1988; 169: 553

light scan evaluation of nonpalpable breast lesions, Monsees B; Destouet JM; Gersell DJ. *Radiology* 1987; 163: 467

lipomatous pseudomass of the breast: diagnosis suggested by discordant palpatory and mammographic findings, Hall FM; Connolly JL; Love SM. *Radiology* 1987; 164: 463

localization device for occult breast lesions: use in 75 patients, Parekh NJ; Wolfe JN. *AJR* 1987; 148: 699

method for control of the target at aspiration biopsy of non-palpable breast lesions, Novak R. *Acta Radiol* 1986; 27: 65

method for control of the target at aspiration biopsy of non-palpable breast lesions, Novak R. *Acta Radiol* 1986; 27: 65

migration of breast biopsy localization wire, Davis PS; Wechsler KJ; Feig SA; et al. *AJR* 1988; 150: 787

needle localization and biopsy of nonpalpable lesions of the breast, (ab), Landercasper J; Gundersen SB; Gundersen AL; et al. *Radiology* 1987; 165: 588

needle localization of occult breast lesions with a curved-end retractable wire: technique and pitfalls, Homer MJ; Pile-Spellman ER. *Radiology* 1986; 161: 547

needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls, Yagan R. *Radiology* 1987; 163: 284

needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls: reply, Homer MJ; Pile-Spellman ER. *Radiology* 1987; 163: 284

non-palpable breast lesions: diagnostic criteria and preoperative localization, Hallgrímsson P; Káresen R; Artun K; et al. *Acta Radiol* 1988; 29: 285

nonpalpable breast lesions: recommendations for biopsy based on suspicion of carcinoma at mammography, Hall FM; Storella JM; Silverstone DZ; Wyshak G. *Radiology* 1988; 167: 353

nonpalpable lesions detected with mammography, Freundlich IM. *Radiology* 1988; 167: 281

nonpalpable lesions detected with mammography: reply, Ciatto S. *Radiology* 1988; 167: 281

nonpalpable lesions detected with mammography: review of 512 consecutive cases, Ciatto S; Cataliotti L; Distanti V. *Radiology* 1987; 165: 99

occult lesions of the breast, (ab), Poole GV Jr; Choplin RH; Sterchi JM; et al. *Radiology* 1987; 162: 291

preoperative localization of clinically occult breast lesions: experience at a referral hospital, Meyer JE; Sonnenfeld MR; Greenes RA; Stomper PC. *Radiology* 1988; 169: 627

results of re-excisional biopsy of the primary tumor in preparation for definitive irradiation of patients with early stage breast cancer, Solin LJ; Fowble B; Martz K; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 721

two-view specimen radiography in surgical biopsy of nonpalpable breast masses, Rebner M; Pennes DR; Baker DE; et al. *AJR* 1987; 149: 283

ultrasound for guidance of breast mass removal, Rifkin MD; Schwartz GF; Pato ME; et al. *J Ultrasound Med* 1988; 7: 261

use of monoclonal antiestrogen receptor antibody to evaluate estrogen receptor content in fine-needle aspiration breast biopsies, (ab), Flowers JL; Burton GV; Cox EB; et al. *Radiology* 1986; 160: 857

US-guided aspiration biopsy of the breast, Hall FM. *Radiology* 1987; 164: 285

x-ray guided fine-needle aspiration for the cytologic diagnosis of nonpalpable breast lesions, (ab), Löfgren M; Andersson I; Bondeson L; et al. *Radiology* 1988; 169: 288

Breast, calcification

algorithm for the detection of fine clustered calcifications on film mammograms, Fam BW; Olson SL; Winter PF; Scholz FJ. *Radiology* 1988; 169: 333

breast calcifications: analysis of imaging properties, Olson SL; Fam BW; Winter PF; Scholz FJ; Lee AK; Gordon SE. *Radiology* 1988; 169: 329

Breast calcifications in renal hyperparathyroidism, Sommer G; Kopka H; Zazgornik J; et al. *AJR* 1987; 148: 855

breast calcifications: mammographic evaluation, Sickles EA. *Radiology* 1986; 160: 289

breast tumors: composition of microcalcifications, Fandos-Morera A; Prats-Estevé M; Tura-Soteras JM; Travería-Cros A. *Radiology* 1988; 169: 325

cancellation of preoperative breast localization procedures: analysis of 53 cases, Meyer JE; Sonnenfeld MR; Greenes RA; Stomper PC. *Radiology* 1988; 169: 629

dermal breast calcifications: localization with template-guided placement of skin marker, Berkowitz JE; Gatewood OMB; Donovan GB; Gayler BW. *Radiology* 1987; 163: 282

extensive breast calcification in renal failure, Cooper RA; Berman S; J Thorac Imag 1988; 3-2: 81

lobular carcinoma in situ of the breast: mammographic features, Pope TL Jr; Fechner RE; Wilhelm MC; Wanebo HJ; de Paredes ES. *Radiology* 1988; 168: 63

mammographic findings after breast cancer treatment with local excision and definitive irradiation, Dershaw DD; Shank B; Reisinger S. *Radiology* 1987; 164: 455

mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Smathers RL; Bush E; Drace J; Stevens M; Sommer FG; Brown BW Jr; Karras B. *Radiology* 1986; 159: 673

mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Woloschow MS. *Radiology* 1987; 162: 879

mammographic microcalcifications: detection with xerography, screen-film, and digitized film display: reply, Smathers RL. *Radiology* 1987; 162: 879

nonpalpable lesions detected with mammography, Freundlich IM. *Radiology* 1988; 167: 281

nonpalpable lesions detected with mammography: reply, Ciatto S. *Radiology* 1988; 167: 281

nonpalpable lesions detected with mammography: review of 512 consecutive cases, Ciatto S; Cataliotti L; Distanti V. *Radiology* 1987; 165: 99

occult malignant breast lesions in 114 patients: relationship to age and the presence of microcalcifications, Hermann G; Janus C; Schwartz IS; Papatestas A; Hermann DG; Rabinowitz JG. *Radiology* 1988; 169: 321

punctate intranodal gold deposits simulating microcalcifications on mammograms, Bruwer A; Nelson GW; Spark RP. *Radiology* 1987; 163: 87

quantitative analysis of the spatial relationships of grouped microcalcifications demonstrated on xeromammography in benign and malignant breast disease, Hansell DM; Cooke JC; Parsons CA; et al. *Br J Radiol* 1988; 61: 21

spontaneous disappearance of breast calcification, Fewins HE; Whitehouse GH; Leinster SJ. *Clin Radiol* 1988; 39: 257

Breast, CT

chest wall after mastectomy. part I. CT appearance of normal postoperative anatomy, postirradiation changes, and optimal scanning techniques, Shea WJ Jr; de Geer G; Webb WR. *Radiology* 1987; 162: 157

chest wall after mastectomy. part II. CT appearance of tumor recurrence, Shea WJ Jr; de Geer G; Webb WR. *Radiology* 1987; 162: 162

ruptured breast implant: computed tomographic and mammographic findings, Scott IR; Müller NL; Fitzpatrick DG; et al. *J Canad Assoc Radiol* 1988; 39: 152

Breast, cysts

breast immobilization for occult mass aspiration, Meyer JE; Greenes RA; Sonnenfeld MR. *Radiology* 1988; 169: 266

breast mass in a farm woman, Abbitt PL; Templeton PA. *Invest Radiol* 1988; 23: 144

disappearing breast masses caused by compression during mammography, Pennes DR; Homer MJ. *Radiology* 1987; 165: 327

galactocele: three distinctive radiographic appearances, Gomez A; Mata JM; Donoso L; Rams A. *Radiology* 1986; 158: 43

galactocele: three distinctive radiographic appearances, Hall FM. *Radiology* 1986; 160: 852

galactocele: three distinctive radiographic appearances: reply, Gomez A; Mata JM; Donoso L; Rams A. *Radiology* 1986; 160: 853

milk of calcium in breast microcysts: manifestation as a solitary focal disease, Homer MJ; Cooper AG; Pile-Spellman ER. *AJR* 1988; 150: 789

multispectral analysis of MR images of the breast, Gohagan JK; Spitznagel EL; Murphy WA; Vannier MW; Dixon WT; Gersell DJ; Rossnick SL; Totty WG; Destouet JM; Rickman DL; Spraggins TA; Butterfield RL. *Radiology* 1987; 163: 703

patient discomfort during screen-film mammography, Jackson VP; Lex AM; Smith DJ. *Radiology* 1988; 168: 421

Breast, diseases

automated breast sonography using a 7.5-MHz FVDF transducer: preliminary clinical evaluation. work in progress, Jackson VP; Kelly-Fry E; Rothschild PA; Holden RW; Clark SA. *Radiology* 1986; 159: 679

Breast, diseases

- can mammography exclude cancer?
Kopans DB, Radiology 1988; 166: 286
- can mammography exclude cancer? reply,
Hall FM, Radiology 1988; 166: 287
- juvenile papillomatosis of the breast:
sonographic appearance, Kerschot EA;
Hermans M-E; Pauwels C; Gildemyn G;
Charbeau P; De Vos L; Van Hoorde P,
Radiology 1988; 169: 631
- lipomatous pseudomass of the breast:
diagnosis suggested by discordant palpatory
and mammographic findings, Hall FM;
Connolly JL; Love SM, Radiology 1987; 164:
463
- multispectral analysis of MR images of the
breast, Gohagan JK; Spitznagel EL;
Murphy WA; Vannier MW; Dixon WT;
Gersell DJ; Rosenick SL; Totty WC;
Destouet JM; Rickman DL; Spraggins TA;
Butterfield RL, Radiology 1987; 163: 703
- unilateral breast hyperplasia in pregnancy
simulating neoplasm, Skaane P;
Skjennald A; Solberg LA, Br J Radiol 1987;
60: 407
- unilateral juvenile hypertrophy of the breast,
Lorino CO; Finn M, Br J Radiol 1987; 60: 193
- Wegener's granulomatosis involving the
breast: report of three cases and review of
the literature, (ab), Jordan JM; Rowe WT;
Allen NB, Radiology 1988; 166: 588
- Breast, fibroma**
- fibromatosis of the breast: a clinical and
pathological study of 28 cases, (ab),
Wargatz ES; Norris HJ; Austin RM; et al,
Radiology 1987; 163: 588
- Breast, male**
- effective radiotherapy in palliating
mammalgia associated with gynecomastia
after DES therapy, Chou JL; Easley JD;
Feldmeier JJ; et al, Int J Radiat Oncol Biol
Phys 1988; 15: 749
- male mammography, Dershaw DD, AJR 1986;
146: 127
- radiotherapeutic prophylaxis of estrogen-
induced gynecomastia: study of late sequelae,
Fass D; Steinfeld A; Brown J; et al, Int J
Radiat Oncol Biol Phys 1986; 12: 407
- technetium-99m DTPA localized in
gynecomastia secondary to orchiectomy and
estrogen therapy in a patient with carcinoma
of the prostate, Shih W-J; Wierzbinski B;
Magoun S; et al, Clin Nucl Med 1988; 13: 306
- Breast, MR studies**
- breast and axillary tissue MR imaging:
correlation of signal intensities and
relaxation times with pathologic findings,
Wiener JL; Chako AC; Merten CW; Gross S;
Coffey EL; Stein HL, Radiology 1986; 160:
299
- breast MR imaging with loop-gap resonators,
Hornak JP; Szumowski J; Rubens D; Janus J;
Bryant RG, Radiology 1986; 161: 832
- breast pathology in MRI: first results,
Lamarque JL; Rodiere MJ; Prat J; et al, Eur J
Radiol 1986; 6: 42
- design modification of dedicated MR breast
coil, Wolfman NT; Williams RW;
Wall BE; et al, JCAT 1986; 10: 893
- fibroadenomas: histopathologic and MR
imaging features, Stelling CB; Powell DE;
Mattingly SS, Radiology 1987; 162: 399
- magnetic resonance imaging in the diagnosis
of breast disease, Dash N; Lupetin AR;
Daffner RH; et al, AJR 1986; 146: 119
- magnetic resonance imaging of the breast:
functional T₁ and three-dimensional
imaging, Pertain CL; Kulkarni MV;
Price RR; et al, Cardiovasc Intervent Radiol
1986; 8: 292
- MR imaging of the breast: comparison with
mammography and ultrasound,
Heywang SH; Fenzl G; Hahn D; et al, JCAT
1986; 10: 615
- MR imaging of the breast using gadolinium-
DTPA, Heywang SH; Hahn D;
Schmidt H; et al, JCAT 1986; 10: 199
- MRI of the breast—histopathologic
correlation, Heywang SH; Bassermann R;
Fenzl G; et al, Eur J Radiol 1987; 7: 175
- surface coil design for a vertical field MRI
system and its application in imaging the
breast, Smith MA; Pye DW, Magn Res Imag
1986; 4: 455
- transverse relaxation time values in MR
imaging of normal breast during menstrual
cycle, Martin B; El Youssef SJ, JCAT 1986; 10:
924
- Breast, necrosis**
- breast necrosis associated with
thromboembolic disorders, Andersson I;
Adler DD; Ljungberg O, Acta Radiol 1987;
28: 517
- Breast, neoplasms**
- See Breast neoplasms
- Breast, parenchymal pattern**
- factors associated with mammographic
parenchymal patterns, Leinster SJ;
Walsh PV; Whitehouse GH; et al, Clin
Radiol 1988; 39: 252
- mammographic breast pattern and oral
contraception, Leinster SJ; Whitehouse GH,
Br J Radiol 1986; 59: 237
- mammographic density and physical
assessment of the breast, Swann CA;
Kopans DB; McCarthy KA; et al, AJR 1987;
148: 525
- mammographic findings after breast cancer
treatment with local excision and definitive
irradiation, Dershaw DD; Shank B;
Reisinger S, Radiology 1987; 164: 455
- mammographic parenchymal patterns and
quantitative evaluation of mammographic
densities: a case-control study, Wolfe JH;
Safitla AF; Salane M, AJR 1987; 148: 1087
- mammographic patterns in twin pairs
discordant for breast cancer, Kaprio J;
Alanko A; Kivisaari L; et al, Br J Radiol 1987;
60: 459
- occult breast cancer: prevalence and
radiographic detectability, Pollei SR;
Mettler FA Jr; Bartow SA; Moradian G;
Moskowitz M, Radiology 1987; 163: 459
- prospective study of mammographic
parenchymal patterns and risk of breast
cancer, Gravelle IH; Bulstrode JC;
Bulbrook RD; et al, Br J Radiol 1986; 59: 487
- second-screening mammography: one versus
two views per breast, Ikeda DM; Sickles EA,
Radiology 1988; 168: 651
- ultrasonographically defined parenchymal
patterns of the breast: relationship to
mammographic patterns and other risk
factors for breast cancer, Kaizer L;
Fishell EK; Hunt JW; et al, Br J Radiol 1988;
61: 118
- Wolfe mammographic parenchymal patterns:
study of the masking hypothesis of Egan
and Mosteller, (ab), Whitehead J; Carlile T;
Kopecky KJ; et al, Radiology 1986; 158: 857
- Breast, prostheses**
- improved imaging of the augmented breast,
Eklund GW; Busby RC; Miller SH; et al, AJR
1988; 151: 469
- ruptured breast implant: computed
tomographic and mammographic findings,
Scott IR; Müller NL; Fitzpatrick DG; et al, J
Canad Assoc Radiol 1988; 39: 152
- ultrasonographic localization of breast tissue
expander valves, Darnell EK; Demars RV, J
Ultrasound Med 1987; 6: 531
- Breast, radionuclide studies**
- clinically significant bleeding in breast tissue
identified by erythrocyte scintigraphy,
Kahn D; Wilson DG, Clin Nucl Med 1987;
12: 973
- drug-induced gallium uptake in the breasts,
Desai AG; Intenzo C; Park C; et al, Clin Nucl
Med 1987; 12: 703
- gallium-67 breast uptake in a patient with
hypothalamic granuloma (sarcoid),
Vazquez R; Oates E; Sarno RC; et al, J Nucl
Med 1988; 29: 118
- receptor localization and quantification
with PET, Frost JJ, Radiology 1988; 169: 273
- Breast, surgery**
- altered anterior axillary fold in radical
mastectomy still present after breast
reconstruction, Rubin G, Br J Radiol 1986;
59: 178
- breast tumor seeding along localization guide
wire tracks, Fajardo LL, Radiology 1988; 169:
580
- breast tumor seeding along localization guide
wire tracks: reply, Kopans DB, Radiology
1988; 169: 581
- does preoperative needle localization lead to
an increase in local breast cancer
recurrence? Kopans DB; Gallagher WJ;
Swann CA; McCarthy KA; White G;
Hall DA; Wood WC, Radiology 1988; 167:
667
- mammographic changes after reduction
mastoplasty, Miller CL; Feig SA; Fox JW
IV, AJR 1987; 149: 35
- mammographic evaluation of the postsurgical
and irradiated breast, Peters ME;
Fagerholm MI; Scanlan KA; Voegeli DR;
Kelcz F, Radiographics 1988; 8: 873
- sonographic diagnosis of a retained surgical
sponge in the breast, Fornage BD, JCU 1987;
15: 285
- Breast, thermography**
- See Thermography
- Breast, transillumination**
- comparison of mammography and
transillumination light scanning in the
detection of breast lesions, Gisvold JJ;
Brown LR; Sweet RG; et al, AJR 1986; 147:
191
- development of a system for transillumination
computed tomography, Jackson PC;
Stevens PH; Smith JH; et al, Br J Radiol 1987;
60: 375
- evaluation of transmission spectroscopy
(lightscanning) in the diagnosis of
symptomatic breast lesions, Dowle CS;
Caseldine J; Tew J; et al, Clin Radiol 1987;
38: 375
- light scan evaluation of nonpalpable breast
lesions, Monaes B; Destouet JM; Gersell DJ,
Radiology 1987; 163: 467
- light scanning of nonpalpable breast lesions:
revaluation, Monaes B; Destouet JM;
Gersell D, Radiology 1988; 167: 352
- light scanning versus mammography in breast
cancer detection, Monaes B; Destouet JM;
Totty WC, Radiology 1987; 163: 463
- Breast, US studies**
- 5 MHz realtime sonography of the
breast—part 2: examination technique and
diagnostic value, (ab), Teubner J; van
Kaick G; Junkermann H; et al, Radiology
1986; 159: 570
- automated breast sonography using a 7.5-MHz
PVDF transducer: preliminary clinical
evaluation, work in progress, Jackson VP;
Kelly-Fry E; Rothschild PA; Holden RW;
Clark SA, Radiology 1986; 159: 679
- breast masses: US-guided fine-needle
aspiration biopsy, Fornage BD; Faroux MJ;
Simatos A, Radiology 1987; 162: 409
- breast masses: US-guided fine-needle
aspiration biopsy, Flamm MB, Radiology
1987; 163: 831
- calibration of automated water-path breast
ultrasound scanners, Kimme-Smith C;
Bassett LW; King W III, J Ultrasound Med
1986; 5: 721
- frequency dependence of ultrasound
attenuation and backscatter in breast tissue,
D'Astous FT; Foster FS, Ultrasound Med Biol
1986; 12: 795
- high frequency breast ultrasound: hand-held
versus automated units; examination for
palpable mass versus screening, Kimme-
Smith C; Bassett LW; Gold RH, J Ultrasound
Med 1988; 7: 77
- nonmammographic breast imaging
techniques: current status and future
developments, Kopans DB, Radiol Clin
North Am 1987; 25: 961
- orientation and frequency dependence of
backscatter coefficient in normal ad
pathological breast tissues, Landini L;
Sarnelli R; Salvadori M; et al, Ultrasound
Med Biol 1987; 13: 77
- real-time breast sonography: application in
300 consecutive patients, Hilton SW;
Leopold GR; Olson LK; et al, AJR 1986; 147:
479
- sonographic appearance of the irradiated
breast, Calkins AR; Jackson VP;
Morphis JG; et al, JCU 1988; 16: 409
- sonographic diagnosis of a retained surgical
sponge in the breast, Fornage BD, JCU 1987;
15: 285
- sonomammography in benign breast disease,
Guyer PB; Dewbury KC, Br J Radiol 1988; 61:
374
- ultrasonic Doppler study of the hormonal
response of blood flow in the normal human
breast, Sambrook M; Bamber JC;
Minasian H; et al, Ultrasound Med Biol
1987; 13: 121
- ultrasonographically defined parenchymal
patterns of the breast: relationship to
mammographic patterns and other risk
factors for breast cancer, Kaizer L;
Fishell EK; Hunt JW; et al, Br J Radiol 1988;
61: 118

- ultrasonographic localization of breast tissue expander valves, Darnell EK; Demars RV, *J Ultrasound Med* 1987; 6: 531
- US-guided aspiration biopsy of the breast, Hall FM, *Radiology* 1987; 164: 285
- value of ultrasound in localizing the internal mammary vessels, Bruneton JN; Dalfin FY; Caramella E; et al, *Eur J Radiol* 1986; 6: 142
- what is a useful adjunct to mammography?, Kopans DB, *Radiology* 1986; 161: 560
- Breast, xeroradiography**
- Mach bands in mammography, Gordenne WH; Malchir FL, *Radiology* 1988; 169: 55
- Breast neoplasms**
- algorithm for the detection of fine clustered calcifications on film mammograms, Fam BW; Olson SL; Winter PF; Scholz FJ, *Radiology* 1988; 169: 333
- analysis of referral patterns from a breast screening unit, Whitehouse GH; Leinster SJ; Al-Sumidaie AM; et al, *Clin Radiol* 1986; 37: 555
- annotation: population screening by mammography, Tucker AK, *Clin Radiol* 1987; 38: 215
- benign chondrolipomatous tumour of the breast, Stark AM; Sunter JP, *Clin Radiol* 1988; 39: 328
- breast calcifications: analysis of imaging properties, Olson SL; Fam BW; Winter PF; Scholz FJ; Lee AK; Gordon SE, *Radiology* 1988; 169: 329
- breast cancer: age-specific growth rates and screening strategies, Moskowitz M, *Radiology* 1986; 161: 37
- breast cancer: considerations in local and regional treatment, Hellman S; Harris JR, *Radiology* 1987; 164: 593
- breast cancer: PET imaging of estrogen receptors, Mintun MA; Welch MJ; Siegel BA; Mathias CJ; Brodack JW; McGuire AH; Katzenellenbogen JA, *Radiology* 1988; 169: 45
- breast cancer risk in relation to serum cholesterol, serum beta-lipoprotein, height, weight, and blood pressure, Törnberg SA; Holm L-E; Carstensen JM, *Acta Oncol* 1988; 27: 31
- breast cancer screening: all's well that ends well, or much ado about nothing?, Moskowitz M, *AJR* 1988; 151: 659
- breast lesions: differential diagnosis using digital subtraction angiography, Watt AC; Ackerman LV; Windham JP; Shetty PC; Burke MW; Flynn MJ; Grodinsky C; Fine G; Wilderman SJ, *Radiology* 1986; 159: 39
- breast specimen radiography: evaluation of a compression device, Chilcote WA; Davis GA; Suchy P; Paushter DM, *Radiology* 1988; 168: 425
- breast tumors: composition of microcalcifications, Fandos-Morera A; Prats-Esteve M; Tura-Soteras JM; Traveria-Cros A, *Radiology* 1988; 169: 325
- breast tumor seeding along localization guide wire tracks, Fajardo LL, *Radiology* 1988; 169: 580
- breast tumor seeding along localization guide wire tracks: reply, Kopans DB, *Radiology* 1988; 169: 581
- carcinoma of the breast: radiologic, ultrasonographic, and pathologic correlation, Pope TL Jr; Fechner RE; Brenbridge NAG, *J Canad Assoc Radiol* 1987; 38: 50
- case report: bilateral pneumothorax secondary to metastatic angiosarcoma of the breast, Kader HA; Bolger JJ; Goepel JR, *Clin Radiol* 1987; 38: 201
- chest radiography in the follow-up of breast cancer, Hietanen P, *Acta Oncol* 1986; 25: 15
- clinically occult, noncalcified breast cancer: serial radiologic-pathologic correlation in 27 cases, Stomper PC; Davis SP; Weidner N; Meyer JE, *Radiology* 1988; 169: 621
- clinical, mammographic, and sonographic determination of preoperative breast cancer size, (ab), Fornage BD; Toubas O; Morel M, *Radiology* 1988; 166: 588
- comparison of mammography and transillumination light scanning in the detection of breast lesions, Gisvold JJ; Brown LR; Sweet RG; et al, *AJR* 1986; 147: 191
- control of breast cancer through mammography screening: what is the evidence?, Tabár L; Dean PB, *Radiol Clin North Am* 1987; 25: 993
- costs of screening for breast cancer, Moskowitz M, *Radiol Clin North Am* 1987; 25: 1031
- CT of the axilla: normal anatomy and pathology, Fishman EK; Zinreich ES; Jacobs CG; Rostock RA; Siegelman SS, *Radiographics* 1986; 6: 475
- does preoperative needle localization lead to an increase in local breast cancer recurrence?, Kopans DB; Gallagher WJ; Swann CA; McCarthy KA; White G; Hall DA; Wood WC, *Radiology* 1988; 167: 667
- effect of young age on tumor recurrence in the treated breast after conservative surgery and radiotherapy, Recht A; Connolly JL; Schnitt SJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 3
- estrogen and progesterone receptor determinations in breast cancer: technology, biology and clinical significance, Thorpe SM, *Acta Oncol* 1988; 27: 1
- extent and distribution of cancer in breasts with palpable primary tumors, (ab), Gump FE; Shikora S; Hafif DV; et al, *Radiology* 1987; 163: 588
- Gd-DTPA contrast enhancement and tissue differentiation in MR imaging of experimental breast carcinoma, Revel D; Brasch RC; Paajanen H; Rosenau W; Grodd W; Engelstad B; Fox P; Winkelhake J, *Radiology* 1986; 158: 319
- guidelines for breast cancer screening, European Group for Breast Cancer Screening, *Clin Radiol* 1987; 38: 217
- imaging features and management of characteristically benign and probably benign breast lesions, Homer MJ, *Radiol Clin North Am* 1987; 25: 939
- imaging technologies in breast cancer control: summary of a report of a World Health Organization meeting, Miller AB; Tschekovski M, *AJR* 1987; 148: 1093
- induced costs of low-cost screening mammography, Cyrak D, *Radiology* 1988; 168: 661
- lobular carcinoma in situ of the breast: mammographic features, Pope TL Jr; Fechner RE; Wilhelm MC; Wanebo HJ; de Paredes ES, *Radiology* 1988; 168: 63
- localization of breast lesions identified on only one mammographic view, Kopans DB; Waltzkin ED; Linetsky L; et al, *AJR* 1987; 149: 39
- localization of occult breast lesions: practical solutions to problems of triangulation, Swann CA; Kopans DB; McCarthy KA; White G; Hall DA, *Radiology* 1987; 163: 577
- low-cost mass screening with mammography as a means of reducing overall mortality from breast cancer, McLelland R, *Radiol Clin North Am* 1987; 25: 1007
- Mach bands in mammography, Gordenne WH; Malchir FL, *Radiology* 1988; 169: 55
- mammary masses in the adolescent female, (ab), Bauer BS; Jones KM; Talbot CW, *Radiology* 1988; 167: 292
- mammary recurrences in women younger than forty, Kurtz JM; Spitalier J-M; Amalric R; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 271
- mammographic detection of recurrent cancer in the irradiated breast, Stomper PC; Recht A; Berenberg AL; et al, *AJR* 1987; 148: 39
- mammographic evaluation of the postsurgical and irradiated breast, Peters ME; Fagerholm MI; Scanlan KA; Voegeli DR; Kelcz F, *Radiographics* 1988; 8: 873
- mammographic features of 300 consecutive nonpalpable breast cancers, Sickles EA, *AJR* 1986; 146: 661
- mammographic features of sclerosing adenosis presenting as a tumour, Nielsen NSM; Nielsen BB, *Clin Radiol* 1986; 37: 371
- mammographic screening in women 40-49 years old, Hendee WR; Kellie SE, *AJR* 1988; 151: 683
- mammography and palpable cancer of the breast, (ab), Eideken S, *Radiology* 1988; 168: 587
- modified histologic classification for carcinoma of the breast: prognostic value and relation to effect of adjuvant oophorectomy, Linell F; Tengrup I; Tennvall-Nittby L; et al, *Acta Oncol* 1987; 26: 343
- mucocoele-like tumors of the breast, (ab), Rosen PP, *Radiology* 1987; 162: 885
- needle localization of occult breast lesions with a curved-end retractable wire: technique and pitfalls, Homer MJ; Pile-Spellman ER, *Radiology* 1986; 161: 547
- needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls, Yagan R, *Radiology* 1987; 163: 284
- needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls: reply, Homer MJ; Pile-Spellman ER, *Radiology* 1987; 163: 284
- Nisbet Symposium 1986: early breast cancer—an overview of current and future directions, Forbes JF, *Australas Radiol* 1987; 31: 113
- Nisbet Symposium 1986: early breast cancer: mammography—the state of the art 1986, Frayne JR, *Australas Radiol* 1987; 31: 108
- pattern of metastases in Nigerian breast cancer patients, Ketiku KK, *Clin Radiol* 1986; 37: 563
- preoperative localization of clinically occult breast lesions: experience at a referral hospital, Meyer JE; Sonnenfeld MR; Greenes RA; Stomper PC, *Radiology* 1988; 169: 627
- preoperative needle localization of lesions in the lower half of the breast: needle entry from below, Homer MJ, *AJR* 1987; 149: 43
- primary lymphoma of the breast, Liu F-F; Clark RM, *Clin Radiol* 1986; 37: 567
- prognostic value of axillary lymphoscintigraphy in breast carcinoma patients, McLean RG; Ege GN, *J Nucl Med* 1986; 27: 1116
- prospective study of mammographic parenchymal patterns and risk of breast cancer, Gravelle IH; Bulstrode JC; Bulbrook RD; et al, *Br J Radiol* 1986; 59: 487
- quantitative analysis of the spatial relationships of grouped microcalcifications demonstrated on xeromammography in benign and malignant breast disease, Hansell DM; Cooke JC; Parsons CA; et al, *Br J Radiol* 1988; 61: 21
- receptor localization and quantification with PET, Frost JJ, *Radiology* 1988; 169: 273
- relationship of estrogen and progesterone receptors to prognosis in breast cancer, (ab), Gelbfish GA; Davidson AL; Kopel S; et al, *Radiology* 1988; 168: 292
- risk factors in stage III breast carcinoma, Fodor J; Szentirmay Z; Gyenes G, *Acta Oncol* 1987; 26: 19
- routine breast screening: survival after 10.5 years follow-up, (ab), Letton AH; Mason EM, *Radiology* 1986; 161: 574
- sensitivity and specificity of first screen mammography in the Canadian National Breast Screening Study: preliminary report from five centers, Baines CJ; Miller AB; Wall C; McFarlane DV; Simor IS; Jong R; Shapiro BJ; Audet L; Petticlerc M; Ouimet-Oliva D; Ladouceur J; Hebert G; Minuk T; Hardy G; Standing HK, *Radiology* 1986; 160: 295
- significance and staging of nonpalpable carcinomas of the breast, (ab), Schwartz GF; Feig SA; Patchefsky AS, *Radiology* 1988; 168: 293
- ultrasound for guidance of breast mass removal, Rifkin MD; Schwartz GF; Pasto ME; et al, *J Ultrasound Med* 1988; 7: 261
- value of non-staging skeletal scintigraphy in breast cancer, Kunkler IH; Merrick MV, *Clin Radiol* 1986; 37: 561
- value of ultrasound in localizing the internal mammary vessels, Bruneton JN; Dalfin FY; Caramella E; et al, *Eur J Radiol* 1986; 6: 142
- X-ray microscopy of the breast, Davies RL; Gravelle IH; Evans KT, *Br J Radiol* 1988; 61: 401
- Breast neoplasms, CT**
- chest wall after mastectomy. part I. CT appearance of normal postoperative anatomy, postirradiation changes, and optimal scanning techniques, Shea WJ Jr; de Geer G; Webb WK, *Radiology* 1987; 162: 157

- chest wall after mastectomy. part II. CT appearance of tumor recurrence, Shea WJ Jr; de Geer G; Webb WR, Radiology 1987; 162: 162
- role of computed tomography in the evaluation of postmastectomy locally recurrent breast cancer, Rosenman J; Churchill CA; Mauro MA; et al, Int J Radiat Oncol Biol Phys 1988; 14: 57
- Breast neoplasms, diagnosis**
 - accuracy of mammography alone and in combination with clinical examination and cytology in the detection of breast cancer, Hansell DM; Cooke JC; Parsons CA, Clin Radiol 1988; 39: 150
 - advanced primary breast cancer: assessment at mammography of response to induction chemotherapy, Segel MC; Paulus DD; Hortobagyi GN, Radiology 1988; 169: 49
 - automated and hand-held breast US: effect on patient management, Bassett LW; Kimme-Smith C; Sutherland LK; Gold RH; Sarti D; King W III, Radiology 1987; 165: 103
 - automated management of screening and diagnostic mammography, Haug PJ; Tocino IM; Clayton PD; Bair TL, Radiology 1987; 164: 747
 - breast and axillary tissue MR imaging: correlation of signal intensities and relaxation times with pathologic findings, Wiener JL; Chako AC; Merten CW; Gross S; Coffey EL; Stein HL, Radiology 1986; 160: 299
 - breast calcifications: mammographic evaluation, Sickles EA, Radiology 1986; 160: 289
 - breast cancer: age-specific growth rates and screening strategies, Moskowitz M, Radiology 1986; 161: 37
 - breast cancer detection: one versus two views, Bassett LW; Bunnell DH; Jahanshahi R; Gold RH; Arndt RD; Linsman J, Radiology 1987; 165: 95
 - breast lesions: differential diagnosis using digital subtraction angiography, Watt AC; Ackerman LV; Windham JP; Shetty PC; Burke MW; Flynn MJ; Grodinsky C; Fine G; Wilderman SJ, Radiology 1986; 159: 39
 - breast masses: US-guided fine-needle aspiration biopsy, Fornage BD; Faroux MJ; Simatos A, Radiology 1987; 162: 409
 - breast masses: US-guided fine-needle aspiration biopsy, Flamm MB, Radiology 1987; 163: 831
 - breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, Schoenberger SC; Sutherland CM; Robinson AE, Radiology 1988; 168: 665
 - breast specimen radiography: evaluation of a compression device, Chilcote WA; Davis GA; Suchy P; Paushter DM, Radiology 1988; 168: 425
 - breast tumors: evaluation with P-31 MR spectroscopy, Degani H; Horowitz A; Itzhak Y, Radiology 1986; 161: 53
 - carcinoma of the breast: detection with MR imaging versus xeromammography, Turner DA; Alcorn FS; Shorey WD; Stelling CB; Mategrano VC; Merten CW; Silver B; Economou SC; Straus AK; Witt TR; Norusis MJ, Radiology 1988; 168: 49
 - coming of age of radiologic imaging screening, Hall FM, Radiology 1988; 168: 579
 - costs and benefits of breast cancer diagnosis, Leivonen M, Acta Oncol 1987; 26: 257
 - decreased breast cancer mortality through mammographic screening: results of clinical trials, Feig SA, Radiology 1988; 167: 659
 - diagnostic reliability of combined physical examination, mammography, and fine-needle puncture ("triple-test") in breast tumors: a prospective study, (ab), Hermansen C; Poulsen HS; Jensen J; et al, Radiology 1988; 167: 292
 - disappearing breast masses caused by compression during mammography, Pennes DR; Homer MJ, Radiology 1987; 165: 327
 - efficacy of specimen radiography of clinically occult noncalcified breast lesions, Stomper PC; Davis SP; Sonnenfeld MR; et al, AJR 1988; 151: 43
 - evaluation of transmission spectroscopy (lightscanning) in the diagnosis of symptomatic breast lesions, Dowle CS; Caseldine J; Tew J; et al, Clin Radiol 1987; 38: 375
 - fibroadenomas: histopathologic and MR imaging features, Stelling CB; Powell DE; Mattingly SS, Radiology 1987; 162: 399
 - halo sign and malignant breast lesions, Swann CA; Kopans DB; Koerner FC; et al, AJR 1987; 149: 1145
 - impact of low-cost mammography screening on nearby mammography practices, Sickles EA, Radiology 1988; 168: 59
 - importance of supplementary mammographic views to diagnostic accuracy, Feig SA, AJR 1988; 151: 40
 - juvenile papillomatosis of the breast: sonographic appearance, Kersschot EA; Hermans M-E; Pauwels C; Gildemyn G; Charbeau P; De Vos L; Van Hoorde P, Radiology 1988; 169: 631
 - lesion detectability in ultrasonic computed tomography of symptomatic breast patients, Carson PL; Scherzinger AL; Meyer CR; et al, Invest Radiol 1988; 23: 421
 - light scan evaluation of nonpalpable breast lesions, Monsees B; Destouet JM; Gersell DJ, Radiology 1987; 163: 467
 - light scanning of nonpalpable breast lesions: reevaluation, Monsees B; Destouet JM; Gersell D, Radiology 1988; 167: 352
 - light scanning versus mammography in breast cancer detection, Monsees B; Destouet JM; Totty WG, Radiology 1987; 163: 463
 - mammographic screening: how to operate successfully at low cost, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, Radiology 1986; 160: 95
 - mammographic screening: how to operate successfully at low cost, Evens RG, Radiology 1986; 161: 850
 - mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, Radiology 1986; 161: 851
 - mammographic screening: how to operate successfully at low cost, Hall FM, Radiology 1986; 161: 851
 - mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Webber WN; Galvin HB; Ominsky SH; Sollitto RA, Radiology 1986; 161: 851
 - mammography in the diagnosis of in situ breast carcinoma, Hall FM, Radiology 1988; 168: 279
 - mammography in women under age 30: is there clinical benefit?, Williams SM; Kaplan PA; Petersen JC; Lieberman RP, Radiology 1986; 161: 49
 - mammography in women under age 30: is there clinical benefit?, Hall FM, Radiology 1987; 162: 582
 - management of nonpalpable breast abnormalities, (ab), Symmonds RE Jr; Roberts JW, Radiology 1987; 165: 883
 - microwaves in breast cancer detection, Edrich J, Eur J Radiol 1987; 7: 183
 - monoclonal antibody 872.3 as a diagnostic adjunct in fine-needle aspirates of breast masses, (ab), Lundy J; Lozowski M; Mishriki Y, Radiology 1986; 161: 283
 - nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis, Hermann G; Janus C; Schwartz IS; Krivisky B; Bier S; Rabinowitz JG, Radiology 1987; 165: 323
 - nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis, Hall FM, Radiology 1988; 167: 284
 - nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis: reply, Hermann G; Janus C; Rabinowitz JG; Schwartz IS, Radiology 1988; 167: 285
 - nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis: reply, Moskowitz M, Radiology 1988; 167: 285
 - non-palpable breast lesions: diagnostic criteria and preoperative localization, Hallgrinsson P; Karesen R; Artun K; et al, Acta Radiol 1988; 29: 285
 - nonpalpable breast lesions: recommendations for biopsy based on suspicion of carcinoma at mammography, Hall FM; Storella JM; Silverstone DZ; Wyshak G, Radiology 1988; 167: 353
 - nonpalpable lesions detected with mammography, Freundlich IM, Radiology 1988; 167: 281
 - nonpalpable lesions detected with mammography: reply, Ciatto S, Radiology 1988; 167: 281
 - nonpalpable lesions detected with mammography: review of 512 consecutive cases, Ciatto S; Cataliotti L; Distanto V, Radiology 1987; 165: 99
 - occult breast cancer: prevalence and radiographic detectability, Pollei SR; Mettler FA Jr; Bartow SA; Moradian G; Moskowitz M, Radiology 1987; 163: 459
 - occult malignant breast lesions in 114 patients: relationship to age and the presence of microcalcifications, Hermann G; Janus C; Schwartz IS; Papastetas A; Hermann DG; Rabinowitz JG, Radiology 1988; 169: 321
 - palpable solid breast masses: retrospective single- and multimodality evaluation of 201 lesions, van Dam PA; Van Goethem MLA; Kersschot E; Vervliet J; Van den Veyver IBM; De Schepper A; Buytaert P, Radiology 1988; 166: 435
 - patterns of axillary lymphadenopathy demonstrated by mammography: implications for the asymptomatic woman in a breast screening programme, Hunter JV; Hunter GJ; Tucker AK, Clin Radiol 1987; 38: 515
 - punctate intranodal gold deposits simulating microcalcifications on mammograms, Bruwer A; Nelson GW; Spark RP, Radiology 1987; 163: 87
 - second-screening mammography: one versus two views per breast, Ikeda DM; Sickles EA, Radiology 1988; 168: 651
 - simple classification system for mammographic reporting, Kemp KI; Jackson GL, Radiology 1987; 165: 319
 - underuse of screening mammography by family physicians, Fox SA; Kjos DS; Tsou CV, Radiology 1988; 166: 431
 - US-guided aspiration biopsy of the breast, Hall FM, Radiology 1987; 164: 285
 - xeromammographic diagnosis of carcinoma of the breast in office practice, (ab), Burhenne LW; Longley JD; Burhenne HJ, Radiology 1987; 165: 588
 - xeroradiography of the breast: overview of 21,057 consecutive cases, Wolfe JN; Buck KA; Salane M; Parekh NJ, Radiology 1987; 165: 305
 - x-ray guided fine-needle aspiration for the cytologic diagnosis of nonpalpable breast lesions, (ab), Löfgren M; Andersson I; Bondeson L; et al, Radiology 1988; 169: 288
- Breast neoplasms, localization**
 - breast immobilization for occult mass aspiration, Meyer JE; Greenes RA; Sonnenfeld MR, Radiology 1988; 169: 266
 - breast tumor seeding along localization guide wire tracks, Fajardo LL, Radiology 1988; 169: 580
 - breast tumor seeding along localization guide wire tracks: reply, Kopans DB, Radiology 1988; 169: 581
 - does preoperative needle localization lead to an increase in local breast cancer recurrence?, Kopans DB; Gallagher WJ; Swann CA; McCarthy KA; White G; Hall DA; Wood WC, Radiology 1988; 167: 667
 - retractable-barb needle for breast lesion localization: use in 60 cases, Urrutia EJ; Hawkins MC; Steinbach BG; Meacham MA; Bland KI; Copeland EM III; Hawkins IF Jr, Radiology 1988; 169: 845
- Breast neoplasms, male**
 - intracystic tumour of the male breast: case report, Göblyös P; Kaszás I; Székely L; et al, Eur J Radiol 1987; 7: 279
 - male breast carcinoma: I. a study of the total material reported to the Swedish Cancer Registry 1958-1967 with respect to clinical and histopathologic parameters, Hultborn R; Friberg S; Hultborn KA, Acta Oncol 1987; 26: 241
 - male breast carcinoma: II. a study of the total material reported to the Swedish Cancer Registry 1958-1967 with respect to treatment, prognostic factors and survival, Hultborn R; Friberg S; Hultborn KA; et al, Acta Oncol 1987; 26: 327
- Breast neoplasms, metastases**
 - axillary lymph node metastases in breast cancer: preoperative detection with US, Brunet JN; Caramella E; Hery M; Aubanel D; Manzoni JJ; Picard JL, Radiology 1986; 158: 325
 - bone scanning in pregnant patients with breast carcinoma, Baker J; Ali A; Groch MW; et al, Clin Nucl Med 1987; 12: 519
 - bone scan-positive and radiograph- and CT-negative vertebral lesion in a woman with locally advanced breast cancer, Mink JH; Weitz I; Kagan AR; et al, AJR 1987; 148: 341

- brain metastases from carcinoma of breast: review of 90 cases, (ab), Snee MP, Rodger A; Kerr GR, *Radiology* 1986; 158: 860
- breast cancer: considerations in local and regional treatment, Hellman S; Harris JR, *Radiology* 1987; 164: 593
- breast cancer imaging with In-111 human IgM monoclonal antibodies: preliminary studies, Ryan KP; Dillman RO; DeNardo SJ; DeNardo GL; Beauregard J; Hagan PL; Amox DG; Clutter ML; Burnett KG; Rulot CM; Sobol RE; Abramson I; Bartholomew RK; Frincke JM; Birdwell CR; Carlo DJ; O'Grady LF; Halpern SE, *Radiology* 1988; 167: 71
- breast cancer metastasis to intramammary lymph nodes, Lindfors KK; Kopans DB; McCarthy KA; et al, *AJR* 1986; 146: 133
- clinical and radiologic characteristics of bone metastases in breast cancer, (ab), Kamby C; Vejborg I; Daugaard S; et al, *Radiology* 1988; 167: 887
- comparison of computed tomography and conventional radiology in the assessment of treatment response of lytic bony metastases in patients with carcinoma of the breast, Bellamy EA; Nicholas D; Ward M; et al, *Clin Radiol* 1987; 38: 351
- computed tomographic findings in intracranial metastases due to breast carcinoma, Weisberg LA, *Comput Radiol* 1986; 10: 297
- does parasternal irradiation reduce thoracic vertebral metastases in breast cancer, Grimald L; Eapen L; McDermot R; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 565
- internal mammary lymphadenopathy in breast carcinoma: CT appraisal of anatomic distribution, Scarfage JC; Fishman EK; Zinreich ES; Brem RF; Almaraz R, *Radiology* 1988; 167: 89
- metastatic breast cancer confined to the skeletal system: an indolent disease, (ab), Sherry MM; Greco FA; Johnson DH; et al, *Radiology* 1987; 163: 292
- monoclonal antibodies detect occult breast carcinoma metastases in the bone marrow of patients with early stage disease, (ab), Cote RJ; Rosen PB; Hakes TB; et al, *Radiology* 1988; 168: 887
- pattern of metastases in Nigerian breast cancer patients, Ketiku KK, *Clin Radiol* 1986; 37: 563
- Breast neoplasms, MR studies**
- breast imaging. RSNA '87 meeting notes, Sickles EA; Kopans DB; Ackerman LV, *Radiology* 1988; 166: 597
- breast pathology in MRI: first results, Lamarque JL; Rodiere MJ; Prat X; et al, *Eur J Radiol* 1986; 6: 42
- carcinoma of the breast: detection with MR imaging versus xeromammography, Turner DA; Alcorn FS; Shorey WD; Stelling CB; Mategrano VC; Merten CW; Silver B; Economou SG; Straus AK; Witt TR; Norusis MJ, *Radiology* 1988; 168: 49
- human breast cancer in vivo: H-1 and P-31 MR spectroscopy at 1.5 T, Sjens PE; Wijrdeman HK; Moerland MA; Bakker CJG; Vermeulen JWAH; Luyten PR, *Radiology* 1988; 169: 615
- intracystic papillary carcinoma of the breast: mammographic, sonographic, and MR appearance with pathologic correlation, Knelson MH; El Yousef SJ; Goldberg REA; et al, *JCAT* 1987; 11: 1074
- magnetic resonance imaging appearance of primary squamous cell carcinoma of the breast, Dash N; Sharma P; Lupetin AR; et al, *CT* 1987; 11: 359
- multispectral analysis of MR images of the breast, Gohagan JK; Spitznagel EL; Murphy WA; Vannier MW; Dixon WT; Gersell DJ; Rossnick SL; Totty WG; Destouet JM; Rickman DL; Spraggins TA; Butterfield RL, *Radiology* 1987; 163: 703
- nuclear magnetic resonance in the diagnosis of breast cancer, Turner DA; Alcorn FS; Adler YT, *Radiol Clin North Am* 1988; 26: 673
- Breast neoplasms, radionuclide studies**
- breast cancer imaging with In-111 human IgM monoclonal antibodies: preliminary studies, Ryan KP; Dillman RO; DeNardo SJ; DeNardo GL; Beauregard J; Hagan PL; Amox DG; Clutter ML; Burnett KG; Rulot CM; Sobol RE; Abramson I; Bartholomew RK; Frincke JM; Birdwell CR; Carlo DJ; O'Grady LF; Halpern SE, *Radiology* 1988; 167: 71
- breast cancer: PET imaging of estrogen receptors, Mintun MA; Welch MJ; Siegel BA; Mathias CJ; Brodack JW; McGuire AH; Katzenellenbogen JA, *Radiology* 1988; 169: 45
- clinical significance of isolated scintigraphic sternal lesions in patients with breast cancer, Kwai AH; Stomper PC; Kaplan WD, *J Nucl Med* 1988; 29: 324
- demonstration of a primary bone tumor of the breast by technetium-99m diphosphonate bone imaging, Lumsden AB, *Clin Nucl Med* 1986; 11: 362
- internal mammary lymphoscintigraphy in the conservative management of breast carcinoma: update and recommendations for the new TNM staging, (ab), Ege GN; Clark RM, *Radiology* 1986; 158: 566
- reappraisal of the baseline bone scan in breast cancer, Coleman RE; Rubens RD; Fogelman I, *J Nucl Med* 1988; 29: 1045
- role of breast scintigraphy in detecting breast masses, (ab), Khayat G; Achram M; Rizk C, *Radiology* 1986; 158: 566
- Breast neoplasms, staging**
- chest wall after mastectomy, part II. CT appearance of tumor recurrence, Shea WJ Jr; de Geer G; Webb WR, *Radiology* 1987; 162: 162
- significance and staging of nonpalpable carcinomas of the breast, (ab), Schwartz GF; Feig SA; Patchefsky AS, *Radiology* 1988; 168: 293
- skeletal scintigraphy and physical examination in the staging of early breast cancer, Piffer S; Amicetti M; Valentini A, *Acta Oncol* 1988; 27: 21
- Breast neoplasms, therapeutic radiology**
- 10-year results of a prospective trial of post-operative radiotherapy delivered in 3 fractions per week versus 2 fractions per week in breast carcinoma, Bates TD, *Br J Radiol* 1988; 61: 625
- accelerated versus conventional fractionation: the degree of incomplete repair in human skin with a four-hour-fraction interval studied after postmastectomy irradiation, Turesson I; Notter G, *Acta Oncol* 1988; 27: 169
- accurate method of ¹⁹²Ir wire implantation for locally advanced carcinoma of breast, Teo P; Chung D, *Acta Oncol* 1987; 26: 273
- acute radiation effects on cutaneous microvasculature: evaluation with a laser Doppler perfusion monitor, Amols HI; Goffman TE; Komaki R; Cox JD, *Radiology* 1988; 169: 557
- adjuvant post-operative radiotherapy in operable node positive mammary cancer: comparison of three treatment protocols, Treurniet-Donker AD; Helle PA; van Puijen WJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2067
- applicator for optimum cobalt-60 primary breast treatments, Kutcher GJ; Hunt M; McCormick B, *Int J Radiat Oncol Biol Phys* 1988; 14: 511
- assessment of skin dose and its relation to cosmesis in the conservative treatment of early breast cancer, Habibollahi F; Mayles HMO; Mayles WPM; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 291
- breast cancer: considerations in local and regional treatment, Hellman S; Harris JR, *Radiology* 1987; 164: 593
- breast cancer treatment: evolving approaches but stable results, Chism SE; Brown BS; Hoyle BA, *Int J Radiat Oncol Biol Phys* 1986; 12: 2073
- breast irradiation following silicone gel implants, Jacobson GM; Sause WT; Thomson JW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 835
- breast sites, Deutsch M, *Int J Radiat Oncol Biol Phys* 1988; 14: 5147
- case report: phyllodes tumour of the breast: response to radiotherapy, Stockdale AD; Leader M, *Clin Radiol* 1987; 38: 287
- conservation treatment of early breast cancer: long term results and complications, Delouche G; Bachelot F; Premont M; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 29
- conservative treatment of early breast cancer, Beeza MR; Solé J; León A; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 669
- contralateral breast cancer and other second malignancies in patients treated by breast-conserving therapy with radiation, Kurtz JM; Amalric R; Brondone H; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 277
- CT demonstration of pulmonary effects of tangential beam radiation, Coscina WF; Arger PH; Mintz MC; et al, *JCAT* 1986; 10: 600
- definitive irradiation for early stage breast cancer: the University of Pennsylvania experience, Solin LJ; Fowble B; Martz KL; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 235
- determination of depth for electron breast boosts, Solin LJ; Chu JCH; Larsen R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1915
- direct measurement of dose at depth in breast cancer using lithium fluoride, Dawes PDK; Aird EG; Crawshaw IP, *Clin Radiol* 1988; 39: 301
- does adjuvant radiotherapy have a role in the postmastectomy management of patients with operable breast cancer—revisited, Edland RW, *Int J Radiat Oncol Biol Phys* 1988; 15: 519
- does parasternal irradiation reduce thoracic vertebral metastases in breast cancer, Grimald L; Eapen L; McDermot R; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 565
- dose-volume and complications in interstitial implants for breast carcinoma, McKee D; Rodgers J; Dritschilo A, *Int J Radiat Oncol Biol Phys* 1987; 13: 525
- effect of definitive irradiation on local control and disease free survival in breast cancer, Levitt SH; Potish RA; Boen JR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 673
- effect of young age on tumor recurrence in the treated breast after conservative surgery and radiotherapy, Recht A; Connolly JL; Schnitt SJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 3
- effects of a sonographic technique for determining chest wall thickness in treatment planning for breast carcinoma, Cheung AYC; Chang KS, *Int J Radiat Oncol Biol Phys* 1988; 15: 223
- efficacy of combined chemotherapy and radiotherapy in advanced non-metastatic breast cancer, Boyages J; Langlands AO, *Int J Radiat Oncol Biol Phys* 1988; 14: 71
- efficacy of delayed radiotherapy for locoregionally recurrent postmastectomy breast cancer, Rodger A; Stewart HJ; White GK, *Int J Radiat Oncol Biol Phys* 1988; 14: 665
- electron arc therapy: chest wall irradiation of breast cancer patients, McNeely LK; Jacobson GM; Leavitt DD; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1287
- fat necrosis of the breast: unusual complication of lumpectomy and radiotherapy in breast cancer, Rostom AY; El-Sayed ME, *Clin Radiol* 1987; 38: 31
- human cancer natural history, radiation induced immunodepression and post-operative radiation therapy, Tubiana M; Arriagada R; Sarrazin D, *Int J Radiat Oncol Biol Phys* 1986; 12: 477
- inadequacy of conventional computerized tomography scans for treatment planning of tangential breast (chest wall) fields, Kogelnik HD; Brandis M-G; Rahim H; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 721
- incidence of infectious symptoms after radiation therapy for breast cancer: long-term effects, Rostein S; Blomgren H; Baral E; et al, *Acta Oncol* 1987; 26: 197
- influence of lung density corrections on treatment planning for primary breast cancer, Fraass BA; Lichter AS; McShan DL; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 179
- intraoperative implantation radiation therapy plus lumpectomy for carcinoma of the breast, (ab), Jewell WR; Krishnan L; Reddy EK; et al, *Radiology* 1988; 166: 292
- iridium-192 implants for primary breast cancer: experience with placement at the time of wide local excision, McCormick B; Weason MF; Cox L; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 745

- is it necessary to irradiate the breast after conservative surgery for localized cancer?, (ab), Ghossein NA; Vilcoq J; Stacey P; et al, *Radiology* 1988; 166: 292
- is there a role for post-operative adjuvant radiation in breast cancer? beautiful hypothesis versus ugly facts: 1987 Gilbert H. Fletcher lecture, Levitt SH, *Int J Radiat Oncol Biol Phys* 1988; 14: 787
- limited resection for breast cancer: a study of inked specimen margins before radiotherapy, McCormick B; Kinne D; Petrek J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1667
- local control and survival in early breast cancer: Milan trial, Veronesi U; Zucali R; Luini A, *Int J Radiat Oncol Biol Phys* 1986; 12: 717
- local control and survival of breast cancer treated by limited surgery followed by irradiation, Calle R; Vilcoq JR; Zafrani B; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 873
- locally advanced breast carcinoma: results with combined regional therapy, Toonkel LM; Fix I; Jacobson LH; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1583
- mammographic changes following radiotherapy, Buckley JH; Roebuck EJ, *Br J Radiol* 1986; 59: 337
- mammographic detection of recurrent cancer in the irradiated breast, Stomper PC; Recht A; Berenberg AL; et al, *AJR* 1987; 148: 39
- mammographic findings after breast cancer treatment with local excision and definitive irradiation, Dershaw DD; Shank B; Reisinger S, *Radiology* 1987; 164: 455
- management of elderly patients with primary breast cancer, Toonkel LM; Fix I; Jacobson LH; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 677
- matchline dosimetry of a three field technique for breast treatment using cobalt or 6 MV x rays, Hunt MA; Kutcher GJ; Martel MK, *Int J Radiat Oncol Biol Phys* 1987; 13: 1099
- Nisbet Symposium: early breast cancer: conservative surgery and radiation therapy as treatment for patients with early breast cancer: treatment policy at the Harvard Joint Center for Radiation Therapy, Harris JR; Silver B; Rose MA; et al, *Australas Radiol* 1987; 31: 119
- once weekly irradiation in breast cancer, Rostom AY; Pradhan DG; White WF, *Int J Radiat Oncol Biol Phys* 1987; 13: 551
- oncology/radiation therapy: RSNA '87 meeting notes, Sagerman RH, *Radiology* 1988; 166: 926
- Paget's disease of the nipple without detectable breast tumor: conservative management with radiation therapy, Fourquet A; Campana F; Vihl P; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1463
- pathophysiologic and roentgenologic effects of chest irradiation in breast carcinoma, Kaufman J; Gunn W; Hartz AJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 887
- perioperative interstitial irradiation in the conservative management of early breast cancer, Krishnan L; Jewell WR; Mansfield CM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1661
- postoperative radiotherapy in breast cancer—long-term results from the Oslo study, Host H; Brennhovd IO; Loeb M, *Int J Radiat Oncol Biol Phys* 1986; 12: 727
- practical method of delivering the posterior axillary boost for the treatment of patients with breast cancer, Solin LJ; Fowble B; Miller-Wilson P; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2041
- preoperative planning of breast implants using the breast implant planning device (BIPD), Bedwinek J, *Int J Radiat Oncol Biol Phys* 1988; 14: 817
- president's address: cancer cure with organ preservation using radiation therapy, Brady LW; Markoe AM; Fisher S, *Radiology* 1986; 160: 1
- problem of local control in patients with advanced breast cancer—combined modality approach, Boyages J, *Australas Radiol* 1986; 30: 60
- prognostic implications of age in breast cancer patients treated with tumorectomy and irradiation or with mastectomy, Matthews RH; McNeese MD; Montague ED; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 659
- radiation survival of human mammary carcinoma cells: criteria for an agar-based clonogenic assay, Besch GJ; Tanner MA; Sattler CA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 75
- radiation therapy for local-regional recurrent breast carcinoma, Deutsch M; Parsons JA; Mittal BB, *Int J Radiat Oncol Biol Phys* 1986; 12: 2061
- radiation therapy in operable breast cancer: results from the Stockholm trial on adjuvant radiotherapy, Wallgren A; Arner O; Bergstrom J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 533
- radiotherapy and breast conservation, Tobias JS, *Br J Radiol* 1986; 59: 653
- radiotherapy for the prevention of local-regional recurrence in high risk patients post mastectomy receiving adjuvant chemotherapy, Fowble B; Glick J; Goodman R, *Int J Radiat Oncol Biol Phys* 1988; 15: 627
- radiotherapy in the management of locally advanced breast cancer, Zaharia M; Caceres E; Valdivia S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1179
- regional lung function impairment following post-operative radiotherapy for breast cancer using direct or tangential field techniques, Groth S; Zaric A; Sorenson PB; et al, *Br J Radiol* 1986; 59: 445
- results of re-excision biopsy of the primary tumor in preparation for definitive irradiation of patients with early stage breast cancer, Solin LJ; Fowble B; Martz K; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 721
- results of treatment of primary breast carcinoma by radical radiotherapy with artificial pneumothorax, Benghiat A; Tyrrell CJ; Davidson HE; et al, *Clin Radiol* 1986; 37: 313
- risk factors in stage III breast carcinoma, Fodor J; Szentirmay Z; Gyenes G, *Acta Oncol* 1987; 26: 19
- sarcoma of bone following therapeutic irradiation for breast carcinoma, Doherty MA; Rodger A; Langlands AO, *Int J Radiat Oncol Biol Phys* 1986; 12: 103
- second ten years: long-term risks of breast conservation in early breast cancer, Kurtz JM; Amalric R; Delouche G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1327
- sequential chemotherapy, surgery and radiotherapy in locally advanced breast cancer, Campbell IR; Green JA; Errington RD; et al, *Clin Radiol* 1988; 39: 442
- short term morbidity and cosmesis following lumpectomy and radical radiotherapy for operable breast cancer, Read PE; Ash DV; Thorogood J; et al, *Clin Radiol* 1987; 38: 371
- sonographic appearance of the irradiated breast, Calkins AR; Jackson VP; Morphis JC; et al, *JCU* 1988; 16: 409
- spontaneous radiation-induced rib fractures in breast cancer patients treated with postmastectomy irradiation: a clinical radiobiological analysis of the influence of fraction size and dose-response relationships on late bone damage, Overgaard M, *Acta Oncol* 1988; 27: 117
- subclavian and axillary vein thrombosis following radiotherapy for carcinoma of the breast, Wilson CB; Lambert HE; Scott RD, *Clin Radiol* 1987; 38: 95
- three-dimensional internal mammary lymphoscintigraphy: implications for radiation therapy treatment planning for breast carcinoma, Recht A; Siddon RL; Kaplan WD; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 477
- three-field isocentric technique for breast irradiation using individualized shielding blocks, Conte G; Nascimben O; Turcato G; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1299
- time-course of local recurrence following conservative surgery and radiotherapy for early stage breast cancer, Recht A; Silen W; Schnitt SJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 255
- to boost or not to boost: decreasing radiation therapy in conservative breast cancer treatment when "inked" tumor resection margins are pathologically free of cancer, Pezner RD; Lipsett JA; Desai K; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 873
- tolerance of radiotherapy combined with adjuvant chemotherapy in breast cancer, Hrafnkelsson J; Nilsson K; Söderberg M, *Acta Oncol* 1987; 26: 269
- treatment of breast cancer among elderly women with segmental mastectomy or segmental mastectomy plus postoperative radiotherapy, Kantorowitz DA; Poulter CA; Sischy B; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 263

Breast neoplasms, therapy

- advanced breast cancer: high-dose chemotherapy and bone marrow autotransplants, (ab), Antman K; Gale RP, *Radiology* 1988; 169: 288
- arm lymphedema in patients treated conservatively for breast cancer: relationship to patient age and axillary node dissection technique, Pezner RD; Patterson MP; Hill LR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2079
- breast cancer treatment: evolving approaches but stable results, Chism SE; Brown BS; Hoyle BA, *Int J Radiat Oncol Biol Phys* 1986; 12: 2073
- clinically occult breast lesions: localization and significance, Rosenberg AL; Schwartz GF; Feig SA; Patchefsky AS, *Radiology* 1987; 162: 167
- conservation treatment of early breast cancer: long term results and complications, Delouche G; Bachelot F; Fremont M; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 29
- conservative breast cancer treatment: analysis of cosmetic results and the role of concomitant adjuvant chemotherapy, Borger JH; Keijser AH, *Int J Radiat Oncol Biol Phys* 1987; 13: 1173
- conservative treatment of early breast cancer, Baeza MR; Solé J; León A; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 669
- cosmetic results in early breast cancer treated with lumpectomy, peri-operative interstitial irradiation, and external beam radiation, Krishnan L; Jewell WR; Mansfield CM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 205
- effect of young age on tumor recurrence in the treated breast after conservative surgery and radiotherapy, Recht A; Connolly JL; Schnitt SJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 3
- efficacy of combined chemotherapy and radiotherapy in advanced non-metastatic breast cancer, Boyages J; Langlands AO, *Int J Radiat Oncol Biol Phys* 1988; 14: 71
- efficacy of delayed radiotherapy for locoregionally recurrent postmastectomy breast cancer, Rodger A; Stewart HJ; White GK, *Int J Radiat Oncol Biol Phys* 1988; 14: 665
- intraoperative implantation radiation therapy plus lumpectomy for carcinoma of the breast, (ab), Jewell WR; Krishnan L; Reddy EK; et al, *Radiology* 1988; 166: 292
- is it necessary to irradiate the breast after conservative surgery for localized cancer?, (ab), Ghossein NA; Vilcoq J; Stacey P; et al, *Radiology* 1988; 166: 292
- limited resection for breast cancer: a study of inked specimen margins before radiotherapy, McCormick B; Kinne D; Petrek J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1667
- local control and survival of breast cancer treated by limited surgery followed by irradiation, Calle R; Vilcoq JR; Zafrani B; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 873
- mammographic evaluation of the postsurgical and irradiated breast, Peters ME; Fagerholm MI; Scanlan KA; Voegeli DR; Kelcz F, *Radiographics* 1988; 8: 873
- mammographic findings after breast cancer treatment with local excision and definitive irradiation, Dershaw DD; Shank B; Reisinger S, *Radiology* 1987; 164: 455

- management of elderly patients with primary breast cancer, Toonkel LM; Fix I; Jacobson LH; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 677
- management of the axilla in conservatively treated breast cancer: 592 patients treated at Institut Gustave-Roussy, Dewar JA; Sarrazin D; Benhamou E; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 475
- Nisbet Symposium: early breast cancer: conservative surgery and radiation therapy as treatment for patients with early breast cancer: treatment policy at the Harvard Joint Center for Radiation Therapy, Harris JR; Silver B; Rose MA; et al, *Australas Radiol* 1987; 31: 119
- problem of local control in patients with advanced breast cancer—combined modality approach, Boyages J, *Australas Radiol* 1986; 30: 60
- prognostic implications of age in breast cancer patients treated with tumorectomy and irradiation or with mastectomy, Matthews RH; McNeese MD; Montague ED; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 659
- responsibility of radiologists in the preservation of breast and rectum in cancer treatment, Papillon J, *Clin Radiol* 1986; 37: 303
- scleroderma—a possible contra-indication to lumpectomy and radiotherapy in breast carcinoma, Ransom DT; Cameron FG, *Australas Radiol* 1987; 31: 317
- second ten years: long-term risks of breast conservation in early breast cancer, Kurtz JM; Amalric R; Delouche G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1327
- sequential chemotherapy, surgery and radiotherapy in locally advanced breast cancer, Campbell IR; Green JA; Errington RD; et al, *Clin Radiol* 1988; 39: 442
- short term morbidity and cosmesis following lumpectomy and radical radiotherapy for operable breast cancer, Read PE; Ash DV; Thorogood J; et al, *Clin Radiol* 1987; 38: 371
- time-course of local recurrence following conservative surgery and radiotherapy for early stage breast cancer, Recht A; Silen W; Schnitt SJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 255
- tolerance of radiotherapy combined with adjuvant chemotherapy in breast cancer, Hrafnkelsson J; Nilsson K; Söderberg M, *Acta Oncol* 1987; 26: 269
- treatment of breast cancer among elderly women with segmental mastectomy or segmental mastectomy plus postoperative radiotherapy, Kantorowitz DA; Poulter CA; Sischy B; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 263
- tumor markers in mammary carcinoma: an evaluation of carcinoembryonic antigen, placental alkaline phosphatase, pseudouridine and CA-50, Rasmussen T; Björk GR; Damber L; et al, *Acta Oncol* 1987; 26: 261
- Breast neoplasms, US studies**
- acoustic shadowing in benign granular cell tumor (myoblastoma) of the breast, Scarfage JC; Hsu JG; de la Torre R; et al, *J Ultrasound Med* 1987; 6: 545
- automated and hand-held breast US: effect on patient management, Bassett LW; Kimme-Smith C; Sutherland LK; Gold RH; Sarti D; King W III, *Radiology* 1987; 163: 103
- automated breast sonography using a 7.5-MHz PVDF transducer: preliminary clinical evaluation, work in progress, Jackson VP; Kelly-Fry E; Rothschild PA; Holden RW; Clark SA, *Radiology* 1986; 159: 679
- axillary lymph node metastases in breast cancer: preoperative detection with US, Bruneton JN; Caramella E; Hery M; Aubanel D; Manzino JJ; Picard JL, *Radiology* 1986; 158: 325
- breast imaging: RSNA '87 meeting notes, Sickles EA; Kopans DB; Ackerman LV, *Radiology* 1988; 166: 597
- breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, Schoenberger SG; Sutherland CM; Robinson AE, *Radiology* 1988; 168: 665
- direct contact B-scan ultrasound in the diagnosis of solid breast masses, Guyer PB; Dewbury KC; Warwick D; et al, *Clin Radiol* 1986; 37: 451
- infarcted cystadenofibroma of the breast: ultrasonic appearance, Barki Y; Benharroch D; Vinograd L; et al, *J Ultrasound Med* 1987; 6: 213
- intracystic papillary carcinoma of the breast: mammographic, sonographic, and MR appearance with pathologic correlation, Knelson MH; El Yousef S; Goldberg REA; et al, *JCAT* 1987; 11: 1074
- juvenile papillomatosis of the breast: sonographic appearance, Kerschot EAJ; Hermans M-E; Pauwels C; Gildemyn G; Charbeau P; De Vos L; Van Hoorde P, *Radiology* 1988; 169: 631
- orientation and frequency dependence of backscatter coefficient in normal ad pathological breast tissues, Landini L; Sarnelli R; Salvadori M; et al, *Ultrasound Med Biol* 1987; 13: 77
- palpable solid breast masses: retrospective single- and multimodality evaluation of 201 lesions, van Dam PA; Van Goethem MLA; Kerschot E; Vervliet J; Van den Veyver IBM; De Schepper A; Buytaert P, *Radiology* 1988; 166: 435
- spectrum of sonographic findings of fibroadenoma of the breast, Jackson VP; Rothschild PA; Kreipke DL; et al, *Invest Radiol* 1986; 21: 34
- ultrasonography: RSNA '87 meeting notes, Merritt CRB; Filly RA; Lawson TL, *Radiology* 1988; 166: 924
- Breast radiography**
- accessory breast tissue in the axilla: mammographic appearance, Adler DD; Rebner M; Pennes DR, *Radiology* 1987; 163: 709
- accuracy of mammography alone and in combination with clinical examination and cytology in the detection of breast cancer, Hansell DM; Cooke JC; Parsons CA, *Clin Radiol* 1988; 39: 150
- American Cancer Society Workshop on strategies to lower the cost of screening mammography, (ab), *Radiology* 1988; 167: 587
- annotation: population screening by mammography, Tucker AK, *Clin Radiol* 1987; 38: 215
- automated and hand-held breast US: effect on patient management, Bassett LW; Kimme-Smith C; Sutherland LK; Gold RH; Sarti D; King W III, *Radiology* 1987; 165: 103
- baseline screening mammography: one vs two views per breast, Sickles EA; Weber WN; Galvin HB; et al, *AJR* 1986; 147: 1149
- benign disorders of the breast in older women, (ab), Devitt JE, *Radiology* 1986; 160: 837
- breast calcifications: mammographic evaluation, Sickles EA, *Radiology* 1986; 160: 289
- breast cancer: age-specific growth rates and screening strategies, Moskowitz M, *Radiology* 1986; 161: 37
- breast cancer detection: one versus two views, Bassett LW; Bunnell DH; Jahanshahi R; Gold RH; Arndt RD; Linsman J, *Radiology* 1987; 165: 95
- breast cancer screening: underuse of mammography, Williams JC, *Radiology* 1986; 159: 566
- breast imaging: RSNA '87 meeting notes, Sickles EA; Kopans DB; Ackerman LV, *Radiology* 1988; 166: 597
- breast imaging: state-of-the-art, Gold RH; Bassett LW; Kimme-Smith C, *Invest Radiol* 1986; 21: 298
- breast specimen radiography: evaluation of a compression device, Chilcote WA; Davis GA; Suchy P; Paushter DM, *Radiology* 1988; 168: 425
- carcinoma of the breast: detection with MR imaging versus xeromammography, Turner DA; Alcorn FS; Shorey WD; Stelling CB; Mategrano VC; Merten CW; Silver B; Economou SG; Straus AK; Witt TR; Norusis MJ, *Radiology* 1988; 168: 49
- changes in Wolfe mammographic patterns with aging, Flook D; Gilhorne RW; Harman J; et al, *Br J Radiol* 1987; 60: 455
- clinically occult breast lesions: localization and significance, Rosenberg AL; Schwartz GF; Feig SA; Patchefsky AS, *Radiology* 1987; 162: 167
- clinically occult, noncalcified breast cancer: serial radiologic-pathologic correlation in 27 cases, Stomper PC; Davis SP; Weidner N; Meyer JE, *Radiology* 1988; 169: 621
- comparison of mammography and transillumination light scanning in the detection of breast lesions, Givold JJ; Brown LR; Sweet RG; et al, *AJR* 1986; 147: 191
- computer aids to mammographic diagnosis, Gale AG; Roebuck EJ; Riley P; et al, *Br J Radiol* 1987; 60: 687
- control of breast cancer through mammography screening: what is the evidence?, Tabár L; Dean PB, *Radiol Clin North Am* 1987; 25: 993
- dermal breast calcifications: localization with template-guided placement of skin marker, Berkowitz JE; Gatewood OMB; Donovan GB; Gayler BW, *Radiology* 1987; 163: 282
- development of mammography and breast services in a community hospital, Margolin FR; Lagios MD, *Radiol Clin North Am* 1987; 25: 973
- difficult mammographic needle localizations: use of alternate orthogonal projections, Vyborny CJ; Merrill TN; Geurkink RE, *Radiology* 1986; 161: 839
- difficult mammographic needle localizations: use of alternate orthogonal projections, Yagan R; Wiesen E; Bellon EM, *Radiology* 1987; 163: 829
- difficult mammographic needle localizations: use of alternate orthogonal projections: reply, Vyborny CJ; Merrill TN; Geurkink RE, *Radiology* 1987; 163: 830
- digital mammography: ROC studies of the effects of pixel size and unsharp-mask filtering on the detection of subtle microcalcifications, Chan H-P; Vyborny CJ; MacMahon H; et al, *Invest Radiol* 1987; 22: 581
- disappearing breast masses caused by compression during mammography, Pennes DR; Homer MJ, *Radiology* 1987; 165: 327
- evaluating the success of mammography at the local level: how to conduct an audit of your practice, Spring DB; Kimbrell-Wilmot K, *Radiol Clin North Am* 1987; 25: 983
- evolution of mammography, Bassett LW; Gold RH, *AJR* 1988; 150: 493
- factors associated with mammographic parenchymal patterns, Leinster SJ; Walsh P; Whitehouse GH; et al, *Clin Radiol* 1988; 39: 252
- factors influencing women's decision to undergo mammography, (ab), Kruse J; Phillips DM, *Radiology* 1988; 167: 587
- guidelines for breast cancer screening, European Group for Breast Cancer Screening, *Clin Radiol* 1987; 38: 217
- history and recent developments in xeroradiography of the breast, Wolfe JN, *Radiol Clin North Am* 1987; 25: 929
- how to initiate and operate a low-cost screening mammography center, Bird RE; McLelland R, *Radiology* 1986; 161: 43
- impact of focused instruction on learning mammography, Fajardo LL; Hillman BJ; Hunter TB; et al, *Invest Radiol* 1987; 22: 990
- impact of low-cost mammography screening on nearby mammography practices, Sickles EA, *Radiology* 1988; 168: 59
- importance of supplementary mammographic views to diagnostic accuracy, Feig SA, *AJR* 1988; 151: 40
- intracystic papillary carcinoma of the breast: mammographic, sonographic, and MR appearance with pathologic correlation, Knelson MH; El Yousef S; Goldberg REA; et al, *JCAT* 1987; 11: 1074
- is mammography painful? a multicenter patient survey, (ab), Stomper PC; Kopans DB; Sedowsky NL; et al, *Radiology* 1988; 168: 293
- juvenile papillomatosis of the breast: sonographic appearance, Kerschot EAJ; Hermans M-E; Pauwels C; Gildemyn G; Charbeau P; De Vos L; Van Hoorde P, *Radiology* 1988; 169: 631
- light scanning versus mammography in breast cancer detection, Monsees B; Destouet JM; Totty WG, *Radiology* 1987; 163: 463
- low-cost mass screening with mammography as a means of reducing overall mortality from breast cancer, McLelland R, *Radiol Clin North Am* 1987; 25: 1007
- Mach bands in mammography, Gordenne WH; Malchair FL, *Radiology* 1988; 169: 55

- male mammography, Dershaw DD, *AJR* 1986; 146: 127
- mammogram interpretation by physician assistants, Hillman BJ; Fajardo LL; Hunter TB; et al, *AJR* 1987; 149: 907
- mammographic changes following radiotherapy, Buckley JH; Roebuck EJ, *Br J Radiol* 1986; 59: 337
- mammographic demonstration of pectoral muscle microcalcifications, Ikeda DM; Sickles EA, *AJR* 1988; 151: 475
- mammographic density and physical assessment of the breast, Swann CA; Kopans DB; McCarthy KA; et al, *AJR* 1987; 148: 525
- mammographic detection of recurrent cancer in the irradiated breast, Stomper PC; Recht A; Berenberg AL; et al, *AJR* 1987; 148: 39
- mammographic evaluation of the postsurgical and irradiated breast, Peters ME; Fagerholm MI; Scanlan KA; Voegeli DR; Kelcz F, *Radiographics* 1988; 8: 873
- mammographic features of 300 consecutive nonpalpable breast cancers, Sickles EA, *AJR* 1986; 146: 661
- mammographic features of sclerosing adenosis presenting as a tumour, Nielsen NSM; Nielsen BB, *Clin Radiol* 1986; 37: 371
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Smathers RL; Bush E; Drace J; Stevens M; Sommer FG; Brown BW Jr; Karras B, *Radiology* 1986; 159: 673
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Wolochow MS, *Radiology* 1987; 162: 879
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display: reply, Smathers RL, *Radiology* 1987; 162: 879
- mammographic parenchymal patterns and quantitative evaluation of mammographic densities: a case-control study, Wolfe JN; Saftlas AF; Salane M, *AJR* 1987; 148: 1087
- mammographic patterns in twin pairs discordant for breast cancer, Kaprio J; Alanko A; Kivisaari L; et al, *Br J Radiol* 1987; 60: 459
- mammographic screening: how to operate successfully at low cost, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, *Radiology* 1986; 160: 95
- mammographic screening: how to operate successfully at low cost, Evens RG, *Radiology* 1986; 161: 850
- mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, *Radiology* 1986; 161: 850
- mammographic screening: how to operate successfully at low cost, Hall FM, *Radiology* 1986; 161: 851
- mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Webber WN; Galvin HB; Ominsky SH; Sollitto RA, *Radiology* 1986; 161: 851
- mammography and palpable cancer of the breast, (ab), Edeiken S, *Radiology* 1988; 168: 587
- mammography in women under age 30: is there clinical benefit? Williams SM; Kaplan PA; Petersen JC; Lieberman RP, *Radiology* 1986; 161: 49
- mammography in women under age 30: is there clinical benefit? Hall FM, *Radiology* 1987; 162: 582
- mammography screening and the self-referred woman, Sickles EA, *Radiology* 1988; 166: 271
- mammography screening: successes and problems in implementing widespread use in the Unit 3 States, Gold RH; Bassett LW; Fox SA, *Radiol Clin North Am* 1987; 25: 1039
- management of nonpalpable breast abnormalities, (ab), Symmonds RE Jr; Roberts JW, *Radiology* 1987; 165: 883
- modification of an automatic exposure control system for mammography to accommodate multiple-speed, screen-film systems, Rossi RP; Williams C; Gill D, *AJR* 1988; 151: 685
- Nisbet Symposium 1986: early breast cancer—an overview of current and future directions, Forbes JF, *Australas Radiol* 1987; 31: 113
- Nisbet Symposium 1986: early breast cancer: mammography—the state of the art 1986, Frayne JR, *Australas Radiol* 1987; 31: 108
- nonmammographic breast imaging techniques: current status and future developments, Kopans DB, *Radiol Clin North Am* 1987; 25: 961
- palpable solid breast masses: retrospective single- and multimodality evaluation of 201 lesions, van Dam PA; Van Goethem MLA; Kersschot E; Vervliet J; Van den Veyver IBM; De Schepper A; Buytaert P, *Radiology* 1988; 166: 435
- practical solutions to common mammographic problems: tailoring the examination, Sickles EA, *AJR* 1988; 151: 31
- quantitative analysis of the spatial relationships of grouped microcalcifications demonstrated on xeromammography in benign and malignant breast disease, Hansell DM; Cooke JC; Parsons CA; et al, *Br J Radiol* 1988; 61: 21
- reduced-price mammography screening, Sickles EA, *AJR* 1987; 149: 1153
- relationship between mammographic and histologic features of breast tissue in women with benign biopsies, (ab), Bright RA; Morrison AS; Brisson J; et al, *Radiology* 1988; 168: 587
- screening mammography: referral practices of Los Angeles physicians, Bassett LW; Bunnell DH; Cerny JA; et al, *AJR* 1986; 147: 689
- self-referred mammography patient: a new responsibility for radiologists, Monsees B; Destouet JM; Evens RG, *Radiology* 1988; 166: 69
- sensitivity and specificity of first screen mammography in the Canadian National Breast Screening Study: preliminary report from five centers, Baines CJ; Miller AB; Wall C; McFarlane DV; Simor IS; Jong R; Shapiro BJ; Audet L; Pettitclerc M; Ouimet-Oliva D; Ladouceur J; Hebert G; Minuk T; Hardy G; Standing HK, *Radiology* 1986; 160: 295
- survey of mammography practices, Bassett LW; Diamond JJ; Gold RH; et al, *AJR* 1987; 149: 1149
- technical quality of mammography in centers participating in a regional breast cancer awareness program, Galkin BM; Feig SA; Muir HD, *Radiographics* 1988; 8: 133
- technical quality of mammography in centers participating in a regional breast cancer awareness program, Gray JE, *Radiographics* 1988; 8: 823
- technical quality of mammography in centers participating in a regional breast cancer awareness program: reply, Galkin BM, *Radiographics* 1988; 8: 823
- what is a useful adjunct to mammography?, Kopans DB, *Radiology* 1986; 161: 560
- what is a useful adjunct to mammography?, Seltzer MH, *Radiology* 1987; 163: 584
- what is a useful adjunct to mammography?, reply, Kopans DB, *Radiology* 1987; 163: 585
- Wolfe mammographic parenchymal patterns: study of the masking hypothesis of Egan and Mosteller, (ab), Whitehead J; Carlile T; Kopecky KJ; et al, *Radiology* 1986; 158: 857
- xeroradiography of the breast: overview of 21,057 consecutive cases, Wolfe JN; Buck KA; Salane M; Parekh NJ, *Radiology* 1987; 165: 305
- X-ray microscopy of the breast, Davies RL; Gravelle IH; Evans KT, *Br J Radiol* 1988; 61: 401
- Breast radiography, quality assurance**
- anthropomorphic radiologic phantoms, Yaffe MJ; Johns PC; Nishikawa RM; Mawdsley GE; Caldwell CB, *Radiology* 1986; 158: 550
- audit procedures in the national breast screening study: mammography interpretation, Baines CJ; McFarlane DV; Wall C, *J Canad Assoc Radiol* 1986; 37: 256
- development and implementation of a quality assurance program for mammography, de Paredes ES; Frazier AB; Hartwell GD; Strash AM; Scheer C; Smith DC; Barnette PA; Noel W; Kerneweg D, *Radiology* 1987; 163: 83
- equipment choices for mammography, Wolfe JN, *Radiology* 1988; 166: 903
- equipment choices for mammography: reply, de Paredes ES; Hartwell GD; Frazier AB; Scheer C, *Radiology* 1988; 166: 904
- image quality of mammographic systems, Karila KTK, *Eur J Radiol* 1987; 7: 194
- impact of low-cost mammography screening on nearby mammography practices, Sickles EA, *Radiology* 1988; 168: 59
- Breast radiography, radiation dose**
- absorbed breast dose: dependence on radiographic modality and technique, and breast thickness, Skubic SE; Fatouros PP, *Radiology* 1986; 161: 263
- cancers induced and cancers detected in a mammography screening programme, Law J, *Br J Radiol* 1987; 60: 231
- evaluation of radiation dose, focal spot, and automatic exposure of newer film-screen mammography units, Kimm-Smith C; Bassett LW; Gold RH, *AJR* 1987; 149: 913
- screen-film mammographic technique for breast cancer screening, Stanton L; Day JL; Villafana T; Miller CH; Lightfoot DA, *Radiology* 1987; 163: 471
- statement from the 1987 Como meeting of the International Commission on Radiological Protection, International Commission on Radiological Protection, *Radiology* 1988; 167: 263
- stationary and moving mammography grids: comparative radiation dose, Dershaw DD; Malik S, *AJR* 1986; 147: 491
- Breast radiography, technology**
- absorbed breast dose: dependence on radiographic modality and technique, and breast thickness, Skubic SE; Fatouros PP, *Radiology* 1986; 161: 263
- baseline screening mammography: one vs two views per breast, Sickles EA; Weber WN; Galvin HB; et al, *AJR* 1986; 147: 1149
- breast imaging: dual-energy projection radiography with digital radio: reply, Asaga T; Chiyasu S; Mastuda S; Mastuura H; Kato H; Ishida M; Komaki T, *Radiology* 1987; 164: 869
- circuit modification that improves mammographic phototimer performance, LaFrance R; Gelskey DE; Barnes GT, *Radiology* 1988; 166: 773
- comparative study of films and screens for mammography, Kirkpatrick AE; Law J, *Br J Radiol* 1987; 60: 73
- comparison of two screen-film combinations in contact and magnification mammography: detectability of microcalcifications, Oestmann JW; Kopans DB; Linetsky L; Hall DA; McCarthy KA; White G; Swann C; Kelley JE; Johnson LL, *Radiology* 1988; 168: 657
- digital radiographic imaging system for mammography, Fritz SL; Chang CH; Gupta NK; et al, *Invest Radiol* 1986; 21: 581
- evaluation of radiation dose, focal spot, and automatic exposure of newer film-screen mammography units, Kimm-Smith C; Bassett LW; Gold RH, *AJR* 1987; 149: 913
- high-contrast mammography with a moving grid: assessment of clinical utility, Sickles EA; Weber WN, *AJR* 1986; 146: 1137
- innovations in mammographic compression, Eklund GW, *AJR* 1988; 150: 791
- localization device for occult breast lesions: use in 75 patients, Parekh NJ; Wolfe JN, *AJR* 1987; 148: 699
- localization of occult breast lesions: practical solutions to problems of triangulation, Swann CA; Kopans DB; McCarthy KA; White G; Hall DA, *Radiology* 1987; 163: 577
- mammographic dual-screen-dual-emulsion-film combination: visibility of simulated microcalcifications and effect on image contrast, Kimm-Smith C; Bassett LW; Gold RH; Roe D; Orr J, *Radiology* 1987; 165: 313
- mammography equipment: principles, features, selection, Feig SA, *Radiol Clin North Am* 1987; 25: 897
- needle localization of occult breast lesions with a curved-end retractable wire: technique and pitfalls, Homer MJ; Pile-Spellman ER, *Radiology* 1986; 161: 547
- needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls, Yagan R, *Radiology* 1987; 163: 284

- needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls: reply, Homer MJ; Pile-Spellman ER, *Radiology* 1987; 163: 284
- patient discomfort during screen-film mammography, Jackson VP; Lex AM; Smith DJ, *Radiology* 1988; 168: 421
- preoperative needle localization of lesions in the lower half of the breast: needle entry from below, Homer MJ, *AJR* 1987; 149: 43
- recent advances in screen-film mammography, Haus AG, *Radiol Clin North Am* 1987; 25: 913
- screen-film mammographic technique for breast cancer screening, Stanton L; Day JL; Villafana T; Miller CH; Lightfoot DA, *Radiology* 1987; 163: 471
- two-view specimen radiography in surgical biopsy of nonpalpable breast masses, Rebner M; Pennes DR; Baker DE; et al, *AJR* 1987; 149: 283
- use of computers in mammography screening, Sickles EA, *Radiol Clin North Am* 1987; 25: 1015
- use of special mammographic views to maximize radiographic information, Logan WW; Janus J, *Radiol Clin North Am* 1987; 25: 953
- Breast radiography, utilization**
- coming of age of radiologic imaging screening, Hall FM, *Radiology* 1988; 168: 579
- decreased breast cancer mortality through mammographic screening: results of clinical trials, Feig SA, *Radiology* 1988; 167: 659
- impact of low-cost mammography screening on nearby mammography practices, Sickles EA, *Radiology* 1988; 168: 59
- patient discomfort during screen-film mammography, Jackson VP; Lex AM; Smith DJ, *Radiology* 1988; 168: 421
- underuse of screening mammography by family physicians, Fox SA; Klos DS; Tsou CV, *Radiology* 1988; 166: 431
- Bromocriptine**
- explanation and implications of MR signal changes within pituitary adenomas after bromocriptine therapy, Weissbuch SS, *AJNR* 1986; 7: 214
- transient intrasellar collection of air during bromocriptine treatment of a prolactinoma, Fagel WJ; Hekster REM; Smith SJ; et al, *Neuroradiol* 1986; 28: 364
- Bronchi**
- See also Lung
- basilar segmental bronchi: thin-section CT evaluation, Naidich DP; Zinn WI; Ettenger NA; McCauley DI; Garay SM, *Radiology* 1988; 169: 11
- Bronchi, abnormalities**
- accessory cardiac bronchus: demonstration by computed tomography, Sotile SC; Brady MB; Brodgon BG, *CT* 1988; 12: 144
- case report: demonstration of a tracheal bronchus by computed tomography, Morrison SC, *Clin Radiol* 1988; 39: 208
- case report of segmental bronchial atresia: radiologic evaluation including computed tomography and magnetic resonance imaging, Finck S; Milne ENC, *J Thorac Imag* 1988; 3-1: 53
- "communicating" bronchopulmonary foregut malformations, Leithiser RE Jr; Capitanio MA; Macpherson RJ; et al, *AJR* 1986; 146: 227
- congenital bronchial atresia: a report of 4 cases and a review of the literature, (ab), Jeraldine PJ; Sicilian LS; Baigelman W; et al, *Radiology* 1987; 164: 589
- CT features of tracheobronchomegaly, Dunne MG; Reiner B, *JCAT* 1988; 12: 388
- detection of bronchial abnormalities: comparison of CT and bronchoscopy, Henschke CI; Davis SD; Auh Y; et al, *JCAT* 1987; 11: 432
- main-stem bronchial atresia: intrauterine sonographic diagnosis, McAlister WH; Wright JR Jr; Crane JP, *AJR* 1987; 148: 364
- MRI of tracheobronchomegaly, Rindberg S; Friedman AC; Fiel SB; et al, *J Canad Assoc Radiol* 1987; 38: 126
- radiology of bronchial atresia: radiographic, CT and bronchographic correlation, Lau LSW; Simpson L; Streeton J, *Australas Radiol* 1987; 31: 29
- simultaneous occurrence of anomalous cardiac and tracheal bronchi: a case study, Jackson GD; Littleton JT, *J Thorac Imag* 1988; 3-1: 59
- tracheobronchomegaly (Mounier-Kuhn syndrome): CT diagnosis, Shin MS; Jackson RM; Ho K-J, *AJR* 1988; 150: 777
- unusual demonstration of supernumerary bronchial lobe by pulmonary imaging, Liu R-S; Chen C-Y; Yeh S-H, *Clin Nucl Med* 1986; 11: 438
- Bronchi, angiography**
- bronchial angiography: report of 21 patients, Cadotte R; Leger C; Harel C; et al, *J Canad Assoc Radiol* 1986; 37: 22
- bronchial venous plexus and its communication with pulmonary circulation, Murata K; Hoh H; Todor G; et al, *Invest Radiol* 1986; 21: 24
- Bronchi, CT**
- basilar segmental bronchi: thin-section CT evaluation, Naidich DP; Zinn WI; Ettenger NA; McCauley DI; Garay SM, *Radiology* 1988; 169: 11
- bronchiectasis: assessment by thin-section CT, Grenier P; Maurice F; Musset D; Menu Y; Nahum H, *Radiology* 1986; 161: 95
- calcified lymph node metastases in bronchioloalveolar carcinoma, Mallens WMC; Nijhuis-Heddes JMA; Bakker W, *Radiology* 1986; 161: 103
- carcinoid tumors: CT and I-131 meta-iodobenzylguanidine scintigraphy, Adolph JMG; Kimmig BN; Georgi P; Winkel Kz, *Radiology* 1987; 164: 199
- case report: demonstration of a tracheal bronchus by computed tomography, Morrison SC, *Clin Radiol* 1988; 39: 208
- case report of segmental bronchial atresia: radiologic evaluation including computed tomography and magnetic resonance imaging, Finck S; Milne ENC, *J Thorac Imag* 1988; 3-1: 53
- comparison of CT and fiberoptic bronchoscopy in the evaluation of bronchial disease, Naidich DP; Lee J-J; Garay SM; et al, *AJR* 1987; 148: 1
- comparison of CT with MR imaging of endobronchial tumors, Mayr B; Heywang SH; Ingrassia H; et al, *JCAT* 1987; 11: 43
- computed tomography in diagnosis of bronchiolitis, Adler O; Peleg H, *Eur J Radiol* 1987; 7: 211
- computed tomography mucous bronchogram sign, Woodring JH, *CT* 1988; 12: 165
- computed tomography of bronchial carcinoid, Aronchick JM; Wexler JA; Christen B; et al, *JCAT* 1986; 10: 71
- computed tomography of bronchiolitis obliterans, Milki Y; Hatabu H; Takahashi M; et al, *JCAT* 1988; 12: 512
- congenital bronchiectasis due to cartilage deficiency: CT demonstration, Watanabe Y; Nishiyama Y; Kanayama H; et al, *JCAT* 1987; 11: 701
- CT/bronchographic correlations in bronchiectasis, Silverman PM; Godwin JD, *JCAT* 1987; 11: 52
- CT features of tracheobronchomegaly, Dunne MG; Reiner B, *JCAT* 1988; 12: 388
- detection of bronchial abnormalities: comparison of CT and bronchoscopy, Henschke CI; Davis SD; Auh Y; et al, *JCAT* 1987; 11: 432
- how useful is computed tomography in the diagnosis and assessment of bronchiectasis?, Phillips MS; Williams MP; Flower CDR, *Clin Radiol* 1986; 37: 321
- radiology of bronchial atresia: radiographic, CT and bronchographic correlation, Lau LSW; Simpson L; Streeton J, *Australas Radiol* 1987; 31: 29
- right-pneumectomy syndrome: radiologic findings and CT correlation, Shepard JO; Grillo HC; McLoud TC; Dedrick CG; Spizarny DL, *Radiology* 1986; 161: 661
- segmental bronchovascular anatomy of the lower lobes: CT analysis, Jardin M; Remy J, *AJR* 1986; 147: 457
- value of medium-thickness CT in the diagnosis of bronchiectasis, Johari IA; Bashi SA; Abdullah AK, *AJR* 1987; 149: 1133
- Bronchi, cysts**
- prenatal diagnosis of a bronchogenic cyst, Albright EB; Crane JP; Shackelford GD, *J Ultrasound Med* 1988; 7: 91
- ultrasonic diagnosis of a bronchogenic cyst in a child with persistent stridor, Hendry PJ; Hendry GMA, *Pediatr Radiol* 1988; 18: 338
- Bronchi, diseases**
- allergic bronchopulmonary aspergillosis: natural history and classification of early disease by serologic and roentgenographic studies, (ab), Patterson R; Greenberger PA; Halwig JM; et al, *Radiology* 1986; 161: 282
- aspiration of solid food particles into lungs of patients with gastroesophageal reflux and chronic bronchial disease, (ab), Crausaz FM; Favez G, *Radiology* 1988; 168: 587
- benign esophagorespiratory fistulas in adults, Vasquez RE; Landay M; Kilman WJ; Estrera A; Schreiber T, *Radiology* 1988; 167: 93
- comparison of CT and fiberoptic bronchoscopy in the evaluation of bronchial disease, Naidich DP; Lee J-J; Garay SM; et al, *AJR* 1987; 148: 1
- right-pneumectomy syndrome: radiologic findings and CT correlation, Shepard JO; Grillo HC; McLoud TC; Dedrick CG; Spizarny DL, *Radiology* 1986; 161: 661
- Bronchi, interventional procedure**
- tracheobronchial stenosis in infants: successful balloon dilation therapy, Brown SB; Hedlund GL; Glasier CM; Williams KD; Greenwood LH; Gilliland JD, *Radiology* 1987; 164: 475
- Bronchi, intubation**
- reinforced endotracheal tube placement: radiographic misdiagnosis, Corback MS; Ravin CE, *Radiology* 1987; 162: 579
- Bronchi, MR studies**
- case report of segmental bronchial atresia: radiologic evaluation including computed tomography and magnetic resonance imaging, Finck S; Milne ENC, *J Thorac Imag* 1988; 3-1: 53
- comparison of CT with MR imaging of endobronchial tumors, Mayr B; Heywang SH; Ingrassia H; et al, *JCAT* 1987; 11: 43
- MRI of tracheobronchomegaly, Rindberg S; Friedman AC; Fiel SB; et al, *J Canad Assoc Radiol* 1987; 38: 126
- Bronchi, neoplasms**
- calcified lymph node metastases in bronchioloalveolar carcinoma, Mallens WMC; Nijhuis-Heddes JMA; Bakker W, *Radiology* 1986; 161: 103
- carcinoid tumors: CT and I-131 meta-iodobenzylguanidine scintigraphy, Adolph JMG; Kimmig BN; Georgi P; Winkel Kz, *Radiology* 1987; 164: 199
- case report 372, Kaplan PA; Phalen J; Macke R, *Skeletal Radiol* 1986; 15: 383
- comparison of CT with MR imaging of endobronchial tumors, Mayr B; Heywang SH; Ingrassia H; et al, *JCAT* 1987; 11: 43
- computed tomography of bronchial carcinoid, Aronchick JM; Wexler JA; Christen B; et al, *JCAT* 1986; 10: 71
- CT findings of lobar bronchioloalveolar carcinoma, Im J-C; Choi BI; Park JH; et al, *JCAT* 1986; 10: 320
- endobronchial involvement with non-Hodgkin's lymphoma: clinical-radiologic analysis, (ab), Kose RM; Grigas D; Straffemeir E; et al, *Radiology* 1986; 161: 574
- evaluation of the palliative role of radiotherapy in inoperable carcinoma of the bronchus, Collins TM; Ash DV; Close HJ; et al, *Clin Radiol* 1988; 39: 284
- hilar masses: evaluation with CT-guided biopsy after negative bronchoscopic examination, Sider L; Davis TM Jr, *Radiology* 1987; 164: 107
- incidence of pulmonary nodules detected by computed tomography in patients with bronchial carcinoma, Mitchell DM; Shah SH; Edwards D; et al, *Clin Radiol* 1986; 37: 151
- mediastinal adenopathy and endobronchial involvement in metastatic renal cell carcinoma, Merine DS; Fishman EK, *CT* 1988; 12: 216
- mediastinal masses: MR imaging, von Schultheiss GK; McMurdo KK; Tscholakoff D; de Geer G; Gamsu G; Higgins CB, *Radiology* 1986; 158: 289
- pre-operative chest radiograph, Thompson SA; Harper JS, *Br J Radiol* 1987; 60: 597
- profound xenon-133 trapping in left main bronchus: obstruction by necrotic tumor, Hartshorne MF; Brown JM; Cawthon MA; et al, *Clin Nucl Med* 1986; 11: 525
- radiographic differences between two subtypes of bronchioloalveolar carcinoma, (ab), Schraufnagel DE; Pelioquin A; Pare JAP; et al, *Radiology* 1986; 159: 569

Bronchi, neoplasms

- retrospective study of thirty-two patients with small-cell bronchogenic carcinoma and inappropriate secretion of antidiuretic hormone. Lockton JA, Thatcher N, Clin Radiol 1986; 37: 47
- Bronchi, obstruction**
See Bronchi, stenosis or obstruction
- Bronchi, radiography**
See Bronchography
- Bronchi, radionuclide studies**
imaging of the airways by bronchoscintigraphy for the study of mucociliary clearance, (ab), Groth S; Mortensen J; Lange P; et al, Radiology 1988; 169: 882
- Bronchi, stenosis or obstruction**
acute unilateral pulmonary nonventilation due to mucous plugs, Pham DH; Huang D; Korwan A; Greyson ND, Radiology 1987; 165: 135
balloon dilatation of the left main bronchus in sarcoidosis, Brown KT; Yeoh CB; Saddekni S, AJR 1988; 150: 553
bronchial compression by dilated pulmonary artery: surgical treatment, (ab), Corno A; Picardo S; Ballerini L; et al, Radiology 1986; 160: 283
right-pneumectomy syndrome: radiologic findings and CT correlation, Shepard JO; Grillo HC; McLoud TC; Dedrick CG; Spitznagel DL, Radiology 1986; 161: 661
tracheobronchial stenosis in infants: successful balloon dilatation therapy, Brown SB; Hedlund GL; Glasier CM; Williams KD; Greenwood LH; Gilliland JD, Radiology 1987; 164: 475
tracheobronchial tree: expandable metallic stents used in experimental and clinical applications. work in progress, Wallace MJ; Charnsangavej C; Ogawa K; Carrasco CH; Wright KC; McKenna R; McMurtrey M; Gianturco C, Radiology 1986; 158: 309
upper airway obstruction in infants and children: evaluation with ultrafast CT, Brasch RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, Radiology 1987; 165: 459
- Bronchi, therapeutic radiology**
evaluation of the palliative role of radiotherapy in inoperable carcinoma of the bronchus, Collins TM; Ash DV; Close HJ; et al, Clin Radiol 1988; 39: 284
systemic radiation and split-course radiotherapy for non-small-cell bronchial carcinoma, Qasim M, Clin Radiol 1986; 37: 51
- Bronchi, US studies**
ultrasound diagnosis of a bronchogenic cyst in a child with persistent stridor, Hendry PJ; Hendry GMA, Pediatr Radiol 1988; 18: 338
- Bronchiectasis**
aerosol lung scintigraphy in the detection of bronchiectasis, Ashford NS; Buxton-Thomas MS; Flower CDR; et al, Clin Radiol 1988; 39: 29
alpha-1-antitrypsin deficiency presenting as bronchiectasis, (ab), Jones DK; Godden D; Cavanagh P, Radiology 1986; 158: 281
bronchiectasis: assessment by thin-section CT, Grenier P; Maurice F; Musset D; Menu Y; Nahum H, Radiology 1986; 161: 95
congenital bronchiectasis due to cartilage deficiency: CT demonstration, Watanabe Y; Nishiyama Y; Kanayama H; et al, JCAT 1987; 11: 701
CT/bronchographic correlations in bronchiectasis, Silverman PM; Godwin JD, JCAT 1987; 11: 52
how useful is computed tomography in the diagnosis and assessment of bronchiectasis?, Phillips MS; Williams MP; Flower CDR, Clin Radiol 1986; 37: 321
interpretation of bronchograms and chest radiographs in patients with chronic sputum production, (ab), Currie DC; Cooke JC; Morgan AD; et al, Radiology 1988; 166: 585
resection of more than 10 lung segments: a 30-year survey of 30 bronchiectatic patients, (ab), Laros CD; Van den Bosch JMM; Westermann CJJ; et al, Radiology 1988; 169: 881
traction bronchiectasis in end-stage pulmonary fibrosis, Westcott JL; Cole SR, Radiology 1986; 161: 665
value of medium-thickness CT in the diagnosis of bronchiectasis, Johari IA; Bashi SA; Abdullah AK, AJR 1987; 149: 1133

Bronchiolitis

- bronchiolitis obliterans, McLoud TC; Epler GR; Colby TV; Gaensler EA; Carrington CB, Radiology 1986; 159: 1
bronchiolitis obliterans and usual interstitial pneumonia: a comparative clinicopathologic study, (ab), Katzenstein A-LA; Myers JL; Prophet WD; et al, Radiology 1987; 162: 884
computed tomography of bronchiolitis obliterans, Miki Y; Hatabu H; Takahashi M; et al, JCAT 1988; 12: 512
diffuse panbronchiolitis: evaluation with high-resolution CT, Akira M; Kitatani F; Yong-Sik L; Kita N; Yamamoto S; Higashihara T; Morimoto S; Ikezoe J; Kozuka T, Radiology 1988; 168: 433
obliterative bronchiolitis after heart-lung transplantation: apparent arrest by augmented immunosuppression, (ab), Glanville AR; Baldwin JC; Burke CM; et al, Radiology 1988; 167: 586
obliterative bronchiolitis due to Mycoplasma pneumoniae infection in a child, Isles AF; Masel J; O'Duffy J, Pediatr Radiol 1987; 17: 109
pneumonia in children and some of its variants, Griscom NT, Radiology 1988; 167: 297
radiographic manifestations of bronchiolitis obliterans with organizing pneumonia vs usual interstitial pneumonia, Chandler PW; Shin MS; Friedman SE; et al, AJR 1986; 147: 899
radiological findings in children with respiratory syncytial virus infection: relationship to clinical and bacteriological findings, Eriksson J; Nordshus T; Carlsen K-H; et al, Pediatr Radiol 1986; 16: 120
respiratory bronchiolitis causing interstitial lung disease: a clinicopathologic study of six cases, (ab), Myers JL; Veal CF Jr; Shin MS; et al, Radiology 1987; 165: 296

Bronchography

- air bronchogram: sonographic demonstration, Weinberg B; Diakoumakis EE; Kass EG; et al, AJR 1986; 147: 593
bronchiectasis: assessment by thin-section CT, Grenier P; Maurice F; Musset D; Menu Y; Nahum H, Radiology 1986; 161: 95
comparison of bronchograms after instillation of contrast medium via fiberoptic bronchoscope and nasal catheter, (ab), Currie DC; Goldman J; Cole PJ; et al, Radiology 1988; 168: 292
CT/bronchographic correlations in bronchiectasis, Silverman PM; Godwin JD, JCAT 1987; 11: 52
interpretation of bronchograms and chest radiographs in patients with chronic sputum production, (ab), Currie DC; Cooke JC; Morgan AD; et al, Radiology 1988; 166: 585
radiology of bronchial atresia: radiographic, CT and bronchographic correlation, Lau LSW; Simpson L; Streton J, Australas Radiol 1987; 31: 29
traction bronchiectasis in end-stage pulmonary fibrosis, Westcott JL; Cole SR, Radiology 1986; 161: 665

Broncholithiasis

- computed tomography in diagnosis of broncholithiasis, Adler O; Feleg H, Eur J Radiol 1987; 7: 211
management of broncholithiasis: is thoracotomy necessary?, (ab), Cole FH; Cole FH Jr; Khandekar A; et al, Radiology 1987; 163: 290

Bronchoscopy

- comparison of bronchograms after instillation of contrast medium via fiberoptic bronchoscope and nasal catheter, (ab), Currie DC; Goldman J; Cole PJ; et al, Radiology 1988; 168: 292
comparison of CT and fiberoptic bronchoscopy in the evaluation of bronchial disease, Naidich DP; Lee J-J; Garay SM; et al, AJR 1987; 148: 1
detection of bronchial abnormalities: comparison of CT and bronchoscopy, Henschke CI; Davis SD; Auh Y; et al, JCAT 1987; 11: 432
fiberoptic bronchoscopy in thoracic diagnosis, Flower CDR, J Thorac Imag 1987; 2: 61

- hilar masses: evaluation with CT-guided biopsy after negative bronchoscopic examination, Sider L; Davis TM Jr, Radiology 1987; 164: 107
percutaneous transthoracic needle biopsy, Westcott JL, Radiology 1988; 169: 593

Brucellosis

- chest radiograph in brucellosis, Patel PJ; Al-Suhaibani H; Al-Aska AK; et al, Clin Radiol 1988; 39: 39

Bucrylate

- histologic analysis of tissue response to Bucrylate-Pantopaque mixture, Cromwell LD; Freeny PC; Kerber CW; et al, AJR 1986; 147: 627

Budd-Chiari syndrome

- See Hepatic veins, thrombosis

Burkitt tumor

- See Lymphoma

Bursa

- case of the month: an unusual inguinal swelling, Constant O; Mitchell RA, Br J Radiol 1987; 60: 1139
CT imaging of the anserine bursa, Hall FM; Joffe N, AJR 1988; 150: 1107
sonography of the Achilles tendon and adjacent bursae, Mathieson JR; Connell DG; Cooperberg PL; et al, AJR 1988; 151: 127

Bursitis

- CT imaging of the anserine bursa, Hall FM; Joffe N, AJR 1988; 150: 1107
trochanteric bursitis: bone scan appearance, Allwright SJ; Cooper RA; Nash P, Clin Nucl Med 1988; 13: 561
xeroradiography in the diagnosis of the Haglund syndrome, Burhenne LJW; Connell DG, J Canad Assoc Radiol 1986; 37: 157

C

Calcanus

- assimilated os sustentaculi, Bloom RA; Libson E; Lax E; et al, Skeletal Radiol 1986; 15: 455

Bone scintigraphy of the calcaneus

- Brown ML; Sweet RG; Johnson KA, Clin Nucl Med 1986; 11: 530
case report 395, Mesgarzadeh M; Bonakdarpour A; Radecki PD, Skeletal Radiol 1986; 15: 584

Case report 454, Tang JSH; Gold RH; Mirra JM

- Skeletal Radiol 1987; 16: 675

reversed calcaneal spurs in children, van Wiechen PJ

- Skeletal Radiol 1987; 16: 17

trabecular bone mineral density measurement in vivo, Lillcrap S; Scott J

- Radiology 1988; 166: 283

trabecular bone mineral density measurement in vivo: reply, Shukla SS; Craven JD

- Greenfield MA, Radiology 1988; 166: 283

trabecular bone mineral density measurement in vivo: use of the ratio of coherent to Compton-scattered photons in the calcaneus, Shukla SS; Leichter I; Karellas A

- Craven JD; Greenfield MA, Radiology 1986; 158: 695

Calcaneus, CT

- CT of the calcaneus, Wulff K; Heger L, Semin US CT MR 1986; 7: 362

Calcaneus, fractures

- case report 443, Ihmeidan IH; Tehranzadeh J; Oldham SA; et al, Skeletal Radiol 1987; 16: 581

fractures of the talus and calcaneus: evaluation by computed tomography, Hindman BW

- Ross SDK; Sowerby MRK, CT 1986; 10: 191

intra-articular calcaneal fractures: computed tomographic analysis, Rosenberg ZS

- Feldman F; Singson RD, Skeletal Radiol 1987; 16: 105

stress fractures: MR imaging, Lee JK; Yao L

- Radiology 1988; 169: 217

stress fractures of the distal tibia and calcaneus subsequent to acute fractures of the tibia and fibula, Zlatkin MB; Bjorkengren A

- Sartoris DJ; et al, AJR 1987; 149: 329

Calcification

- See under names of organs and regions, such as Brain, calcification

Calcinosis

- See Calcium

Calcium

- arthropathy and cutaneous calcinosis in hemodialysis oxalosis, (ab), Reginato AJ; Seane JLF; Alvarez CB; et al, *Radiology* 1987; 163: 590
- calcinosis of childhood dermatomyositis with glucocorticoid angiogram, Czarnecki DJ; Schroeder BA; Sty JR, *Clin Nucl Med* 1987; 12: 675
- Hodgkin's disease with hypercalcemia detected by thallium-201 scintigraphy, Linde R; Basso L, *J Nucl Med* 1987; 28: 112
- hypercalcemia in association with mesoblastic nephroma: report of a case and review of the literature, Ferraro EM; Klein SA; Fakhr J; et al, *Pediatr Radiol* 1986; 16: 516
- tumoral calcinosis associated with sarcoidosis and positive bone and gallium imaging, Wolfe FM; Khedkar NV; Gordon D; et al, *Clin Nucl Med* 1987; 12: 529
- tumoral calcinosis presenting as adhesive capsulitis: case report and literature review, (ab), Crook AD; Silver RM, *Radiology* 1987; 163: 590

Calve-Legg-Perthes disease

See Bones, necrosis

Cameras

- acceptance testing and quality control of gamma cameras, including SPECT, Murphy PH, *J Nucl Med* 1987; 28: 1221
- conjugate view gamma camera method for estimating tumor uptake of iodine-131 metaiodobenzylguanidine, Shulkin BL; Sisson JC; Korol KF; et al, *J Nucl Med* 1988; 29: 542
- high density avalanche chamber (HIDAC) positron camera, Townsend D; Frey P; Jeavons A; et al, *J Nucl Med* 1987; 28: 1554
- new approach to NEMA scintillation camera count rate curve determination, Geldenhuys EM; Lötter MG; Minnaar PC, *J Nucl Med* 1988; 29: 538
- nonfunctional photomultiplier tubes can produce subtle total-body scan defects, Boudreau RJ; Johnson T; duCret RP; et al, *Clin Nucl Med* 1987; 12: 554
- positron camera using position-sensitive detectors: PENN-PET, Muehlelehner G; Karp JS, *J Nucl Med* 1986; 27: 90
- preliminary evaluation of a dual crystal positron camera, Holte S; Ostertag H; Kesselberg M, *JCAT* 1987; 11: 691

Campylobacter jejuni

See Intestines, infection

Cancer

See Cancer screening; Neoplasms; Radiations, injurious effects; Radiobiology; under names of organs and regions; under names of individual neoplasms

Cancer screening

- American Cancer Society Workshop on strategies to lower the cost of screening mammography, (ab), *Radiology* 1988; 167: 587
- analysis of referral patterns from a breast screening unit, Whitehouse GH; Leinster SJ; Al-Sumidaie AM; et al, *Clin Radiol* 1986; 37: 555
- annotation: population screening by mammography, Tucker AK, *Clin Radiol* 1987; 38: 215
- audit procedures in the national breast screening study: mammography interpretation, Baines CJ; McFarlane DV; Wall C, *J Canad Assoc Radiol* 1986; 37: 256
- automated and hand-held breast US: effect on patient management, Bassett LW; Kimm-Smith C; Sutherland LK; Gold RH; Sarti D; King W III, *Radiology* 1987; 165: 103
- breast cancer: age-specific growth rates and screening strategies, Moskowitz M, *Radiology* 1986; 161: 37
- breast cancer screening: all's well that ends well, or much ado about nothing?, Moskowitz M, *AJR* 1988; 151: 659
- cancers induced and cancers detected in a mammography screening programme, Law J, *Br J Radiol* 1987; 60: 231
- coming of age of radiologic imaging screening, Hall FM, *Radiology* 1988; 168: 579
- control of breast cancer through mammography screening: what is the evidence?, Tabár L; Dean PB, *Radiol Clin North Am* 1987; 25: 993
- costs of screening for breast cancer, Moskowitz M, *Radiol Clin North Am* 1987; 25: 1031

- decreased breast cancer mortality through mammographic screening: results of clinical trials, Feig SA, *Radiology* 1988; 167: 659
- development and implementation of a quality assurance program for mammography, de Paredes ES; Frazier AB; Hartwell GD; Strash AM; Scheer C; Smith DC; Barnette PA; Noel W; Kenneweg D, *Radiology* 1987; 163: 83
- early prostate cancer: diagnostic costs of screening transrectal US and digital rectal examination, Torp-Pedersen ST; Littrup PJ; Lee F; Mettlin C, *Radiology* 1988; 169: 351
- equipment choices for mammography, Wolfe JN, *Radiology* 1988; 166: 903
- equipment choices for mammography: reply, Shaw de Paredes E; Hartwell GD; Frazier AB; Scheer C, *Radiology* 1988; 166: 904
- guidelines for breast cancer screening, European Group for Breast Cancer Screening, *Clin Radiol* 1987; 38: 217
- how to initiate and operate a low-cost screening mammography center, Bird RE; McLelland R, *Radiology* 1986; 161: 43
- impact of low-cost mammography screening on nearby mammography practices, Sickles EA, *Radiology* 1988; 168: 59
- induced costs of low-cost screening mammography, Cyriak D, *Radiology* 1988; 168: 661
- light scan evaluation of nonpalpable breast lesions, Monsees B; Destouet JM; Gersell DJ, *Radiology* 1987; 163: 467
- light scanning versus mammography in breast cancer detection, Monsees B; Destouet JM; Totty WG, *Radiology* 1987; 163: 463
- low-cost mass screening with mammography as a means of reducing overall mortality from breast cancer, McLelland R, *Radiol Clin North Am* 1987; 25: 1007
- mammographic screening: how to operate successfully at low cost, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, *Radiology* 1986; 160: 95
- mammographic screening: how to operate successfully at low cost, Evens RG, *Radiology* 1986; 161: 850
- mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, *Radiology* 1986; 161: 850
- mammographic screening: how to operate successfully at low cost, Hall FM, *Radiology* 1986; 161: 851
- mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, *Radiology* 1986; 161: 851
- mammographic screening in women 40-49 years old, Hendee WR; Kellie SE, *AJR* 1988; 151: 683
- mammography screening: successes and problems in implementing widespread use in the United States, Gold RH; Bassett LW; Fox SA, *Radiol Clin North Am* 1987; 25: 1039
- neuroblastoma: the case for screening infants in North America, (ab), Woods WG; Tuchman M, *Radiology* 1987; 165: 591
- occult breast cancer: prevalence and radiographic detectability, Pollei SR; Mettler FA Jr; Bartow SA; Moradian G; Moskowitz M, *Radiology* 1987; 163: 459
- patterns of axillary lymphadenopathy demonstrated by mammography: implications for the asymptomatic woman in a breast screening programme, Hunter JV; Hunter GJ; Tucker AK, *Clin Radiol* 1987; 38: 515
- prostate cancer: comparison of transrectal US and digital rectal examination for screening, Lee F; Littrup PJ; Torp-Pedersen ST; Mettlin C; McHugh TA; Gray JM; Kumasaka GH; McLeary RD, *Radiology* 1988; 168: 389
- results of a mass screening program for colorectal cancer, (ab), Miller MP; Stanley TV, *Radiology* 1988; 167: 882
- routine breast screening: survival after 10.5 years follow-up, (ab), Letton AH; Mason EM, *Radiology* 1986; 161: 574
- screen-film mammographic technique for breast cancer screening, Stanton L; Day JL; Villafana T; Miller CH; Lightfoot DA, *Radiology* 1987; 163: 471

- screening mammography: referral practices of Los Angeles physicians, Bassett LW; Bunnell DH; Cerny JA; et al, *AJR* 1986; 147: 689
- second-screening mammography: one versus two views per breast, Ikeda DM; Sickles EA, *Radiology* 1988; 168: 651
- sensitivity and specificity of first screen mammography in the Canadian National Breast Screening Study: preliminary report from five centers, Baines CJ; Miller AB; Wall C; McFarlane DV; Simor IS; Jong R; Shapiro BJ; Audet L; Pettitclerc M; Oumet-Oliva D; Ladouceur J; Hebert G; Minuk T; Hardy G; Standing HK, *Radiology* 1986; 160: 295
- transrectal US of the prostate: is the technology leading the science?, McClellan BL, *Radiology* 1988; 168: 571
- use of computers in mammography screening, Sickles EA, *Radiol Clin North Am* 1987; 25: 1015
- utilization of screening mammography: comparison of different physician specialties, Mann LC; Hawes DR; Ghods M; Bednar EJ; Potchen EJ, *Radiology* 1987; 164: 121
- Candidiasis**
- adult esophageal candidiasis: radiographic spectrum, Roberts L Jr; Gibbons R; Gibbons G; Rice RP; Thompson WM, *Radiographics* 1987; 7: 289
- bladder fungus ball: a reversible cause of neonatal obstructive uropathy, (ab), Baetz-Greenwalt B; Debar B; Kumar ML, *Radiology* 1988; 169: 888
- CT findings in hepatosplenic and renal candidiasis, Shirkhoda A, *JCAT* 1987; 11: 795
- focal esophageal candidiasis in acquired immunodeficiency syndrome (AIDS), Farmer J; Tavittian A; Rosenthal LE; et al, *Gastrointest Radiol* 1986; 11: 213
- hepatic candidiasis in cancer patients: the evolving picture of the syndrome, (ab), Thaler M; Pastakia B; Shawker TH; et al, *Radiology* 1988; 168: 586
- hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, *Radiology* 1988; 166: 417
- invasive gastric candidiasis, Pugh TF; Fitch SJ, *Pediatr Radiol* 1986; 16: 67
- neonatal renal candidiasis: sonographic diagnosis, Kintanar C; Cramer BC; Reid WD; et al, *AJR* 1986; 147: 801
- opportunistic esophagitis in AIDS: radiographic diagnosis, Levine MS; Woldeberg R; Herlinger H; Laufer I, *Radiology* 1987; 165: 815
- real-time ultrasonographic surveillance in the detection of CNS involvement in systemic Candida infection, Bozynski ME; Nagle RA; Russell EJ, *Pediatr Radiol* 1986; 16: 235
- renal candidiasis of the infant: ultrasound evaluation, Cohen HL; Haller JO; Schechter S; et al, *Urol Radiol* 1986; 8: 17
- sonographic demonstration of thickened renal pelvic mucosa/submucosa in mixed candida infection, Bick RJ; Bryan PJ, *JCU* 1987; 15: 333
- ultrasound in the diagnosis of systemic candidiasis (renal and cranial) in very low birth weight premature infants, Kirpekar M; Abiri MM; Hilfer C; et al, *Pediatr Radiol* 1986; 16: 17
- urinoma and arterial hypertension complicating neonatal renal candidiasis, Sirinelli D; Biriotti V; Schmit P; et al, *Pediatr Radiol* 1987; 17: 156
- wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, *Radiology* 1988; 169: 578
- wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, *Radiology* 1988; 169: 579
- Carbon dioxide**
- double-contrast examination of the colon with carbon dioxide: the use of effervescent powder, Pochaczewsky R, *AJR* 1987; 149: 502
- hepatic tumors: US contrast enhancement with CO₂ microbubbles, Matsuda Y; Yabuuchi I, *Radiology* 1986; 161: 701
- limited usefulness of carbon dioxide as a contrast agent for cholangiography, Smith TP; Young AT; Hunter DW; et al, *Gastrointest Radiol* 1987; 12: 43

Carbon dioxide

use of CO₂ to move structures as an aid to percutaneous procedures, Haaga JR; Beale SM, Radiology 1986; 161: 829

Carbon monoxide

carbon monoxide poisoning: asymmetric and unilateral changes in CT, Taylor R; Holgate RC, AJNR 1988; 9: 975
carbon monoxide toxicity: MR imaging in the brain, Horowitz AL; Kaplan R; Sarpel G, Radiology 1987; 162: 787
magnetic resonance imaging appearances of basal ganglia lesions in carbon monoxide poisoning, Davis PL, Magn Res Imag 1986; 4: 489
role of contrast enhancement in cerebral CT of carbon monoxide poisoning, Zeiss J; Brinker RA, JCAT 1988; 12: 341
sequelae of carbon monoxide poisoning: an MRI study of two cases, Vion-Dury J; Jiddane M; Van Bunnin Y; et al, J Neuroradiol 1987; 14: 60

Carcinoid

angiographic findings in two carcinoid tumors of the gallbladder, Kitagawa K; Takashima T; Matsui O; et al, Gastrointest Radiol 1986; 11: 51
atypical carcinoid of the lung: radiographic features, Choplin RH; Kawamoto EH; Dyer RB; et al, AJR 1986; 146: 665
carcinoid liver metastases: accuracy of radionuclide liver/spleen imaging compared to computed tomography, Halvorsen RA Jr; Wilkinson RH Jr; Feldman JM, Clin Nucl Med 1987; 12: 268
carcinoid of the kidney: radiologic findings, McKeown DK; Nguyen G-K; Rudrick B; et al, AJR 1988; 150: 143
carcinoid syndrome: palliation by hepatic artery embolization, Carrasco CH; Charnsangavej C; Ajani J; et al, AJR 1986; 147: 149
carcinoid tumors: CT and I-131 meta-iodobenzylguanidine scintigraphy, Adolph JMG; Kimmig BN; Georgi P; Winkel Kz, Radiology 1987; 164: 199
chest radiography in the carcinoid syndrome, Thorvinger B; Lundstedt C; Martensson H, Acta Radiol 1987; 28: 49
computed tomography of abdominal carcinoid tumour, Gould M; Johnson R, Br J Radiol 1986; 59: 881
cytotoxic treatment in patients with malignant carcinoid tumors: response to streptozocin—alone or in combination with 5-FU, Öberg K; Norheim I; Lundqvist G; et al, Acta Oncol 1987; 26: 429
evaluation of the response of unresectable carcinoid tumors to radiotherapy, Samlowski WE; Eyre HJ; Sause WT, Int J Radiat Oncol Biol Phys 1986; 12: 301
failure of Ivalon to provide permanent hepatic arterial occlusion, Miller DL, Cardiovasc Intervent Radiol 1987; 10: 111
false positive Meckel's scan caused by carcinoid tumors of the small bowel, Reddin A; Rosenbaum RC, Clin Nucl Med 1987; 12: 128
identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens, Doppman JL; Loughlin T; Miller DL; Pass HI; Chrousos GP; Cutler GB Jr; Oldfield EH; Loriaux DL, Radiology 1987; 163: 501
imaging of carcinoid tumors with iodine-123 metaiodobenzylguanidine, Bomanji J; Levison DA; Zuzarte J; et al, J Nucl Med 1987; 28: 1907
iodine-131 metaiodobenzylguanidine scintigraphy of carcinoid tumors, Feldman JM; Blinder RA; Lucas KJ; et al, J Nucl Med 1986; 27: 1691
MR imaging of a carcinoid tumor metastatic to the orbit, Braffman BH; Bilaniuk LT; Eagle RC Jr; et al, JCAT 1987; 11: 891
multiple ileal carcinoid tumours, Jeffrey MA; Nolan DJ, Br J Radiol 1987; 60: 402
objective response of malignant carcinoid to radiation therapy, Abrams RA; King D; Wilson JF, Int J Radiat Oncol Biol Phys 1987; 13: 869
primary carcinoid tumor of the liver: case report, Yamashita Y; Takahashi M; Tsuji A; et al, CT 1986; 10: 313
primary common bile duct carcinoid demonstration by computerised tomography, ultrasonography and angiography, Alexander IA; Thomson KR; Kune GA, Australas Radiol 1986; 30: 34

Cardia

See Stomach

Caroli disease

See Bile ducts, diseases

Carotid arteries

See also Cerebral angiography; Cerebral blood vessels
age-related changes in carotid artery wall properties in men, Reneman RS; van Merode T; Hick P; et al, Ultrasound Med Biol 1986; 12: 465
in-plane vascular imaging: pulse sequence design and strategy, Lenz GW; Haacke EM; Masaryk TJ; Laub G, Radiology 1988; 166: 875
selective delivery of chemotherapeutic agents with a new catheter system, Wolpert SM; Kwan ESK; Heros D; Kasdon DL; Hedges TR III, Radiology 1988; 166: 547
vidian artery in childhood tonsillar hypertrophy, Jinkins JR, AJNR 1988; 9: 141
Carotid arteries, abnormalities
inferior thyroid artery arising from common carotid artery with aberrant right subclavian artery, Simmons JT; Doppman JL; Norton J, Cardiovasc Intervent Radiol 1987; 10: 150
internal carotid artery hypoplasia, Osborn RE; Mojtahedi S; Hay TC; et al, Comput Radiol 1986; 10: 283
kissing intrasellar carotid arteries in acromegaly: CT demonstration, Sacher M; Som PM; Shugar JMA; et al, JCAT 1986; 10: 1033
vascular masses in the middle ear, Phelps PD; Lloyd GS, Clin Radiol 1986; 37: 359

Carotid arteries, aneurysm

See Aneurysm, carotid

Carotid arteries, angiography

aneurysm of intrapetrous carotid artery: CT and angiographic findings, DelBalso AM; Bowers JE, JCAT 1986; 10: 702
angiography in transient cerebral ischaemia using three views of the carotid bifurcation, Jeans WD; Mackenzie S; Baird RN, Br J Radiol 1986; 59: 135
assessment of cervical carotid artery disease: comparison between the Doppler "echoflow" and conventional angiography, (ab), Torvaldsen S; McCauley J; Patel AS; et al, Radiology 1986; 158: 860
carotid bifurcation: results of spliced hybrid subtraction angiography compared with standard temporal and hybrid images, Burbank FH; Enzmann DR; Brody WR, Radiology 1986; 160: 227
cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter, Hicks ME; Kreipke DL; Becker GJ; Edwards MK; Holden RW; Jackson VP; Bendick PJ; Kuehn DS, Radiology 1986; 161: 545
cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter, Halsell RD, Radiology 1987; 163: 284
cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter: reply, Becker GJ; Hicks ME, Radiology 1987; 163: 285
comparison of blood-brain barrier disruption by intracarotid iohexol and iodoxanol in the rabbit, Wilcox J; Wilson AJ; Evill CA; et al, AJNR 1987; 8: 769
complications of outpatient transbrachial intraarterial digital subtraction angiography: work in progress, Gritter KJ; Laidlaw WW; Peterson NT, Radiology 1987; 162: 125
contrast media tonicity: part II. isotonic ioxaglate vs. standard Renografin for IV-DSA evaluation of the carotid bifurcation, a double-blind prospective clinical trial, Burbank FH; Bradley BR; Yegnashankaran S; et al, Invest Radiol 1986; 21: 340
"distal stump" of the internal carotid artery with ascending pharyngeal artery collateralisation. potential source for further embolic ischemia, Bruckmann H; Zeumer H; Ferbert A, Neuroradiol 1987; 29: 81
Doppler frequency ratio and peak frequency in the assessment of carotid artery disease: comparative study with angiography, Manga P; Dhurandhar RW; Stockard B, Ultrasound Med Biol 1986; 12: 573

evaluation of ECG gating for selective intraarterial carotid DSA, Foley WD; Lipchik EO; Larson PA; et al, AJR 1987; 149: 1265

impact of intravenous digital subtraction angiography on the evaluation of carotid artery disease: review of the first 600 cases, Orr NM; Doust BD, Australas Radiol 1988; 32: 21

impact of technology and technique on the performance of the intravenous DSA of the carotid arteries, Dalla-Palma L; Stacul F; Pozzi-Mucelli RS; et al, Eur J Radiol 1986; 6: 73

intra-arterial digital subtraction angiography of the carotid arteries: special reference to contrast media, Nakstad PH; Bakke SJ; Kjartansson O; et al, Neuroradiol 1986; 28: 195

intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone, Pelz DM; Buchan A; Fox AJ; Barnett HJM; Vinuela FV, Radiology 1986; 160: 369

neurological morbidity of arch and carotid arteriography in cerebrovascular disease. the influence of contrast medium and radiologist, McIvor J; Steiner TJ; Perkin GD; et al, Br J Radiol 1987; 60: 117

Omniplane vs. Hexabrix in intravenous DSA of the carotid arteries: randomized double-blind crossover study, Nakstad PH; Bakke SJ; Kjartansson O; et al, AJNR 1986; 7: 303

significance of internal carotid artery occlusion shown by IV digital subtraction angiography, Pexman JHW; Wriedt CHR; Richard TC, AJNR 1987; 8: 485

Carotid arteries, CT

aneurysm of intrapetrous carotid artery: CT and angiographic findings, DelBalso AM; Bowers JE, JCAT 1986; 10: 702
balloon test occlusion of the internal carotid artery with stable xenon/CT cerebral blood flow imaging, Erba SM; Horton JA; Latchaw RE; et al, AJNR 1988; 9: 533
CT demonstration of extracranial carotid artery aneurysms, Duvall ER; Gupta KL; Vitek JJ; et al, JCAT 1986; 10: 404
diagnosis of bilateral intracavernous carotid artery aneurysms by computed tomography, Deeb ZL; Schimel S; Rothfus WE; et al, CT 1986; 10: 121
incremental dynamic computed tomography: practical method of imaging the carotid bifurcation, Tress BM; Davis S; Lavain J; et al, AJNR 1986; 7: 49
internal carotid artery hypoplasia, Osborn RE; Mojtahedi S; Hay TC; et al, Comput Radiol 1986; 10: 283
invasive v non-invasive assessment of the carotid arteries prior to trans-sphenoidal surgery, Macpherson P; Teasdale E; Hadley DM; et al, Neuroradiol 1987; 29: 457
kissing intrasellar carotid arteries in acromegaly: CT demonstration, Sacher M; Som PM; Shugar JMA; et al, JCAT 1986; 10: 1033
relative carotid blood flow measurements in dogs by high-speed CT: a preliminary study, Ringertz HG; Jaschke W; Sievers R; et al, Invest Radiol 1987; 22: 960

Carotid arteries, diseases

assessment of cervical carotid artery disease: comparison between the Doppler "echoflow" and conventional angiography, (ab), Torvaldsen S; McCauley J; Patel AS; et al, Radiology 1986; 158: 860
clinical use of objective quantification of flow disturbance in carotid artery disease: correlation between spectral broadening index and arteriography, Sillesen H; Bitsch K; Steenberg HJ; et al, Ultrasound Med Biol 1987; 13: 519
detection of intracranial carotid artery disease by continuous-wave Doppler sonography, Biedert S; Winter R; Betz H; et al, Neuroradiol 1986; 28: 296
Doppler frequency ratio and peak frequency in the assessment of carotid artery disease: comparative study with angiography, Manga P; Dhurandhar RW; Stockard B, Ultrasound Med Biol 1986; 12: 573

Carotid arteries, dissection

cervical internal carotid artery dissecting hemorrhage: diagnosis using MR, Goldberg HI; Grossman RI; Comori JM; Asbury AK; Bilaniuk LT; Zimmerman RA, Radiology 1986; 158: 157

- flip-flop phenomenon and dissection of extracranial carotid artery, Verreault J; Cote C. *Clin Nucl Med* 1986; 11: 251
- spontaneous dissection of the cervical internal carotid artery: correlation of arteriography, CT, and pathology, Petro GR; Witwer GA; Cacayorin ED; et al. *AJNR* 1986; 7: 1053
- traumatic dissection of the extracranial internal carotid artery, (ab), Mokri B; Piepgras DG; Hauser OW. *Radiology* 1988; 169: 588
- Carotid arteries, fibrodysplasia**
- case report: fibromuscular dysplasia of the cephalic and neck arteries, Manns RA; Nanda KK; Mackie G. *Clin Radiol* 1987; 38: 427
- Carotid arteries, flow dynamics**
- balloon test occlusion of the internal carotid artery with stable xenon/CT cerebral blood flow imaging, Erba SM; Horton JA; Latchaw RE; et al. *AJNR* 1988; 9: 533
- clinical use of objective quantification of flow disturbance in carotid artery disease: correlation between spectral broadening index and arteriography, Sillesen H; Bitsch K; Steenberg HJ; et al. *Ultrasound Med Biol* 1987; 13: 519
- Doppler microwave: a clinical assessment of its efficacy as an arterial pulse sensing technique, Papp MA; Hughes C; Lin JC; et al. *Invest Radiol* 1987; 22: 569
- duplex scanning in presumably normal persons of different ages, Zbornikova V; Lassvik C. *Ultrasound Med Biol* 1986; 12: 371
- flow dynamics in a stenosed carotid bifurcation model—part I: basic velocity measurements, Fei D-Y; Billian C; Rittgers SE. *Ultrasound Med Biol* 1988; 14: 21
- flow dynamics in a stenosed carotid bifurcation model—part II: derived indices, Rittgers SE; Fei D-Y. *Ultrasound Med Biol* 1988; 14: 33
- flow reversal in the normal carotid bifurcation: color Doppler flow imaging analysis, Middleton WD; Foley WD; Lawson TL. *Radiology* 1988; 167: 207
- noninvasive assessment of normal carotid bifurcation hemodynamics with color-flow ultrasound imaging, Zierler RE; Phillips DJ; Beach KW; et al. *Ultrasound Med Biol* 1987; 13: 471
- relative carotid blood flow measurements in dogs by high-speed CT: a preliminary study, Ringertz HG; Jaschke W; Sievers R; et al. *Invest Radiol* 1987; 22: 960
- Carotid arteries, injuries**
- carotid-cavernous fistulas: embolization through the superior ophthalmic vein approach, Uflacker R; Lima S; Ribas GC; Fiske RL. *Radiology* 1986; 159: 175
- Horner's syndrome secondary to traumatic pseudoaneurysms, Yang PJ; Seeger JF; Carmody RF; et al. *AJNR* 1986; 7: 913
- intravascular treatment of a cavernous fistula caused by rupture of a traumatic carotid trigeminal aneurysm, Flandroy P; Lacour P; Marsault C; et al. *Neuroradiol* 1987; 29: 308
- Carotid arteries, interventional procedure**
- See Carotid arteries, transluminal angioplasty
- Carotid arteries, MR studies**
- cardiac-gated local coil MR imaging of the carotid neck bifurcation, Daniels DL; Kneeland JB; Foley WD; et al. *AJNR* 1986; 7: 1036
- invasive v non-invasive assessment of the carotid arteries prior to trans-sphenoidal surgery, Macpherson P; Teasdale E; Hadley DM; et al. *Neuroradiol* 1987; 29: 457
- magnetic resonance imaging of the normal carotid bifurcation, Hinchshaw DB Jr; Holshouser B; Hasso AN; et al. *Neuroradiol* 1987; 29: 7
- MR angiography of peripheral, carotid, and coronary arteries, Alfidi RJ; Masaryk TJ; Haacke EM; et al. *AJR* 1987; 149: 1097
- MR evaluation of neurovascular lesions after endovascular occlusion with detachable balloons, Kwan ESK; Wolpert SM; Scott RM; et al. *AJNR* 1988; 9: 523
- MRI angiography of the carotid artery, Ruszkowski JT; Damadian R; Giambalvo A; et al. *Magn Res Imag* 1986; 4: 497
- Carotid arteries, occlusion**
- See Carotid arteries, stenosis or obstruction
- Carotid arteries, rupture**
- epistaxis grave par rupture de la carotid interne dans le sinus sphenoidal; traitement endovasculaire (severe epistaxis by rupture of the internal carotid artery into the sphenoidal sinus: endovascular treatment), Gelbert F; Reizine D; Stecken J; et al. *J Neuroradiol* 1986; 13: 163
- Carotid arteries, stenosis or obstruction**
- atherosclerotic plaque at the carotid artery bifurcation: correlation of ultrasonographic imaging with morphology, Weinberger J; Marks SJ; Gaul JJ; et al. *J Ultrasound Med* 1987; 6: 363
- basilar bifurcation aneurysm associated with bilateral internal carotid occlusion, Yamanaka C; Hirohata T; Kiya K; et al. *Neuroradiol* 1987; 29: 84
- brachiocephalic artery dilation by percutaneous transluminal angioplasty, Vitek JJ; Keller FS; Duvall ER; Gupta KL; Chandra-Sekar B. *Radiology* 1986; 158: 779
- carotid artery disease: new criteria for evaluation by sonographic duplex scanning, Vaismou U; Wojciechowski M. *Radiology* 1986; 158: 253
- carotid bifurcation: MR imaging: work in progress, Masaryk TJ; Ross JS; Modic MT; Lenz GW; Haacke EM. *Radiology* 1988; 166: 461
- cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter, Hicks ME; Kreipke DL; Becker GJ; Edwards MK; Holden RW; Jackson VP; Bendick PJ; Kuehn DS. *Radiology* 1986; 161: 545
- cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter, Halsell RD. *Radiology* 1987; 163: 284
- cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter: reply, Becker GJ; Hicks ME. *Radiology* 1987; 163: 285
- comparison of angiography, intravenous digital subtraction angiography and duplex ultrasound in the diagnosis of carotid artery atherosclerosis, (ab), D'Alotto C; Feiz DM; Rankin RN. *Radiology* 1986; 159: 574
- correlation of clinical findings, duplex carotid artery scanning and CT scanning of the brain in 54 consecutive patients with bruits over the carotid artery bifurcation, (ab), Englund R; Fairgrieve J; Brown PF; et al. *Radiology* 1986; 158: 571
- "distal stump" of the internal carotid artery with ascending pharyngeal artery collateralization: potential source for further embolic ischemia, Bruckmann H; Zeumer H; Ferbert A. *Neuroradiol* 1987; 29: 81
- Doppler examination of the periorbital arteries adds valuable hemodynamic information in carotid artery disease, Sillesen H; Schroeder T; Steenberg HJ; et al. *Ultrasound Med Biol* 1987; 13: 177
- Doppler flow measurements in the assessment of carotid artery stenosis, Hassam RM; Evill CA; Brophy BP; et al. *Australas Radiol* 1987; 31: 365
- flow dynamics in a stenosed carotid bifurcation model—part I: basic velocity measurements, Fei D-Y; Billian C; Rittgers SE. *Ultrasound Med Biol* 1988; 14: 21
- flow dynamics in a stenosed carotid bifurcation model—part II: derived indices, Rittgers SE; Fei D-Y. *Ultrasound Med Biol* 1988; 14: 33
- insufficiency of carotid and vertebral flow velocity in cerebrovascular disease: continuous wave Doppler study, Colon E; Schulte B; van Campen J. *Ultrasound Med Biol* 1987; 13: 339
- intermittent occlusion of internal carotid artery by hypoglossal nerve, Henne M; Morano JU; Russell WF. *AJNR* 1988; 9: 791
- in vitro study of continuous wave Doppler spectral changes resulting from stenoses and bulbs, Morin JF; Johnston KW; Law YF. *Ultrasound Med Biol* 1987; 13: 5
- moyamoya disease: MR imaging, Fujisawa I; Asato R; Nishimura K; Togashi K; Itoh K; Noma S; Sagoh T; Minami S; Nakano Y; Yonekawa Y; Torizuka K. *Radiology* 1987; 164: 103
- MR recognition of internal carotid artery occlusion, Alvarez O; Edwards JH; Hyman RA. *AJNR* 1986; 7: 359
- percutaneous angioplasty of atherosclerotic and postsurgical stenosis of carotid arteries, Theron J; Raymond J; Casasco A; et al. *AJNR* 1987; 8: 495
- percutaneous angioplasty of carotid artery stenoses, Freitag G; Freitag J; Koch RD; et al. *Neuroradiol* 1986; 28: 126
- percutaneous laser catheter recanalization of carotid arteries in seven cadavers and one patient, Choy DSJ; Ascher P; Lammer J; et al. *AJNR* 1986; 7: 1050
- percutaneous transluminal angioplasty (dilatation) of carotid, vertebral, and innominate artery stenoses, Kachel R; Endert G; Basche S; et al. *Cardiovasc Intervent Radiol* 1987; 10: 142
- resting and hypercapnic rCBF in patients with unilateral occlusive disease of the internal carotid artery, Keyeux A; Laterre C; Beckers C. *J Nucl Med* 1988; 29: 311
- significance of internal carotid artery occlusion shown by IV digital subtraction angiography, Foxman JHW; Wriedt CHR; Richard TC. *AJNR* 1987; 8: 485
- sonographic characterization of carotid plaque: detection of hemorrhage, Bluth EI; Kay D; Merritt CRB; et al. *AJNR* 1986; 7: 311
- surgically treatable lesions of the extracranial circulation, including the vertebral artery, Smullens SN. *Radiol Clin North Am* 1986; 24: 453
- Carotid arteries, therapeutic blockade**
- carotid-cavernous fistulas: embolization through the superior ophthalmic vein approach, Uflacker R; Lima S; Ribas GC; Fiske RL. *Radiology* 1986; 159: 175
- duplex sonography in embolotherapy of external carotid artery traumatic aneurysms, Giyanani VL; Gerlock AJ Jr; Mirfakhraee M; et al. *AJNR* 1987; 8: 1131
- embolization with temporary balloon occlusion of the internal carotid or vertebral arteries, Theron J; Cosgrove R; Melanson D; et al. *Neuroradiol* 1986; 28: 246
- giant cavernous aneurysm associated with trigeminal artery: treatment by detachable balloon, Higashida RT; Halbach VV; Mehlinger CM; et al. *AJNR* 1987; 8: 757
- intracavernous aneurysms: treatment by proximal balloon occlusion of the internal carotid artery, Raymond J; Theron J. *AJNR* 1986; 7: 1087
- lidocaine injection into external carotid branches: provocative test to preserve cranial nerve function in therapeutic embolization, Horton JA; Kerber CW. *AJNR* 1986; 7: 105
- percutaneous embolization of arteriovenous fistulas of the external carotid artery, Berenstein A; Scott J; Choi IS; et al. *AJNR* 1986; 7: 937
- petrous internal carotid aneurysm causing epistaxis: balloon embolization with preservation of the parent vessel, Willinsky R; Lasjaunias P; Pruvost P; et al. *Neuroradiol* 1987; 29: 570
- sodium nitroprusside for the control of arterial spasm during embolization in the territory of the external carotid artery, Castangs L; Moret J; Picard L; et al. *J Neuroradiol* 1986; 13: 32
- treatment of a recurrent traumatic carotid-cavernous fistula: vertebro-basilar approach after surgical occlusion of the internal carotid artery, Garcia-Cervigon E; Bien S; Laurent A; et al. *Neuroradiol* 1988; 30: 355
- Carotid arteries, thrombosis**
- intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone, Feiz DM; Buchan A; Fox AJ; Barnett HJM; Vinuela FV. *Radiology* 1986; 160: 369
- ultrasonic detection of thrombus at the origin of the internal carotid artery, Hanlon JT; Combs DT; Hoffman G; et al. *JCU* 1986; 14: 153

Carotid arteries, transluminal angioplasty

- intravascular balloon embolization of a carotid-ophthalmic artery aneurysm with preservation of the parent vessel, Hieshima GB; Higashida RT; Halbach VV; et al, *AJNR* 1986; 7: 916
- percutaneous angioplasty of atherosclerotic and postsurgical stenosis of carotid arteries, Theron J; Raymond J; Casasco A; et al, *AJNR* 1987; 8: 495
- percutaneous angioplasty of carotid artery stenoses, Freitag G; Freitag J; Koch RD; et al, *Neuroradiol* 1986; 28: 126
- percutaneous endoluminal angioplasty of post endarterectomy carotid stenoses, Courtheoux P; Theron J; Tournade A; et al, *Neuroradiol* 1987; 29: 186
- percutaneous transluminal angioplasty of the carotid artery, Tsai FY; Matovich V; Hieshima G; et al, *AJNR* 1986; 7: 349
- pseudoaneurysm of internal carotid artery secondary to tonsillectomy: combined radiologic and surgical treatment, Hertzanu Y; Hirsch M; Tovi F, *Cardiovasc Intervent Radiol* 1987; 10: 147
- Carotid arteries, ulceration**
- carotid bifurcation disease: prediction of ulceration with B-mode US, O'Leary DH; Holen J; Ricotta JJ; Roe S; Schenk EA, *Radiology* 1987; 162: 523
- Carotid arteries, US studies**
- assessment of cervical carotid artery disease: comparison between the Doppler "echoflow" and conventional angiography, (ab), Torvaldsen S; McCauley J; Patel AS; et al, *Radiology* 1986; 158: 860
- atherosclerotic plaque at the carotid artery bifurcation: correlation of ultrasonographic imaging with morphology, Weinberger J; Marks SJ; Gaul JJ; et al, *J Ultrasound Med* 1987; 6: 363
- carotid artery aneurysm diagnosed by duplex scanning, Rosenthal D; Ellison RG Jr; Clark MD; et al, *JCU* 1986; 14: 732
- carotid artery disease: new criteria for evaluation by sonographic duplex scanning, Vaisman U; Wojciechowski M, *Radiology* 1986; 158: 253
- carotid artery duplex scanning, Taylor DC; Strandness DE Jr, *JCU* 1987; 15: 635
- carotid bifurcation disease: prediction of ulceration with B-mode US, O'Leary DH; Holen J; Ricotta JJ; Roe S; Schenk EA, *Radiology* 1987; 162: 523
- carotid duplex sonography: a multicenter recommendation for standardized imaging and Doppler criteria, Bluth EI; Stavros AT; Marich KW; Wetzner SM; Aufrichtig D; Baker JD, *Radiographics* 1988; 8: 487
- clinical use of objective quantification of flow disturbance in carotid artery disease: correlation between spectral broadening index and arteriography, Sillesen H; Bitsch K; Steenberg HJ; et al, *Ultrasound Med Biol* 1987; 13: 519
- color-flow Doppler imaging of carotid artery abnormalities, Middleton WD; Foley WD; Lawson TL, *AJR* 1988; 150: 419
- common carotid artery aneurysm: ultrasonic diagnosis, Wang A-M; O'Leary DH, *JCU* 1988; 16: 262
- detection of intracranial carotid artery disease by continuous-wave Doppler sonography, Biedert S; Winter R; Betz H; et al, *Neuroradiol* 1986; 28: 296
- Doppler examination of the periorbital arteries adds valuable hemodynamic information in carotid artery disease, Sillesen H; Schroeder T; Steenberg HJ; et al, *Ultrasound Med Biol* 1987; 13: 177
- Doppler flow measurements in the assessment of carotid artery stenosis, Hassam RM; Evill CA; Brophy BP; et al, *Australas Radiol* 1987; 31: 365
- Doppler frequency ratio and peak frequency in the assessment of carotid artery disease: comparative study with angiography, Manga P; Dhurandhar RW; Stockard B, *Ultrasound Med Biol* 1986; 12: 573
- duplex carotid ultrasound, Acker JD; Cole CA; Mauney KA; et al, *Neuroradiol* 1986; 28: 608
- duplex scanning in presumably normal persons of different ages, Zbornikova V; Lassvik C, *Ultrasound Med Biol* 1986; 12: 371

- duplex scanning with continuous wave Doppler for carotid disease, (ab), Rush M; Thomas M; Zyffoff J; et al, *Radiology* 1986; 159: 575
- duplex sonography in embolotherapy of external carotid artery traumatic aneurysms, Giyanani VL; Gerlock AJ Jr; Mirfakhraee M; et al, *AJNR* 1987; 8: 1131
- factors affecting the continuous wave Doppler spectrum for the diagnosis of carotid arterial disease, Morin JF; Johnston KW; Law YF, *Ultrasound Med Biol* 1988; 14: 175
- failure to demonstrate a vasoconstrictive effect of vasopressin on the internal carotid and middle cerebral arteries: transcranial ultrasound Doppler study, Krapf R; Markwalder T-M; Linders HR, *Ultrasound Med Biol* 1987; 13: 131
- flow dynamics in a stenosed carotid bifurcation model—part I: basic velocity measurements, Fei D-Y; Billian C; Rittgers SE, *Ultrasound Med Biol* 1988; 14: 21
- flow dynamics in a stenosed carotid bifurcation model—part II: derived indices, Rittgers SE; Fei D-Y, *Ultrasound Med Biol* 1988; 14: 33
- flow reversal in the normal carotid bifurcation: color Doppler flow imaging analysis, Middleton WD; Foley WD; Lawson TL, *Radiology* 1988; 167: 207
- identification of ulcerative plaque with high resolution duplex carotid scanning, Bluth EI; McVay LV III; Merritt CRB; et al, *J Ultrasound Med* 1988; 7: 73
- insufficiency of carotid and vertebral flow velocity in cerebrovascular disease: continuous wave Doppler study, Colon E; Schulte B; van Campen J, *Ultrasound Med Biol* 1987; 13: 339
- in vitro study of continuous wave Doppler spectral changes resulting from stenoses and bulbs, Morin JF; Johnston KW; Law YF, *Ultrasound Med Biol* 1987; 13: 5
- noninvasive assessment of normal carotid bifurcation hemodynamics with color-flow ultrasound imaging, Zierler RE; Phillips DJ; Beach KW; et al, *Ultrasound Med Biol* 1987; 13: 471
- primer of cerebrovascular ultrasound, part III: carotid duplex examination procedures, Zwiebel WJ, *Semin US CT MR* 1987; 8: 9
- primer of cerebrovascular ultrasound, part IV: normal and abnormal B-mode appearance of the carotid arteries, Zwiebel WJ, *Semin US CT MR* 1987; 8: 17
- primer of cerebrovascular ultrasound, part V: analysis of carotid Doppler signals, Zwiebel WJ, *Semin US CT MR* 1987; 8: 27
- sonographic characterization of carotid plaque: detection of hemorrhage, Bluth EI; Kay D; Merritt CRB; et al, *AJNR* 1986; 7: 311
- spectrum analysis in carotid sonography, Zwiebel WJ, *Ultrasound Med Biol* 1987; 13: 625
- ultrasonic detection of thrombus at the origin of the internal carotid artery, Hanlon JT; Combs DT; Hoffman G; et al, *JCU* 1986; 14: 153
- value of combined pulsed-Doppler and high-resolution real-time sonography of the extracranial carotid system, Levi CS; Lyons EA; Morrow IM; et al, *J Canad Assoc Radiol* 1987; 38: 11
- variability in measurement of specific parameters for carotid duplex examination, Kohler TR; Langlois Y; Roederer GO; et al, *Ultrasound Med Biol* 1987; 13: 637
- Carotid body, neoplasms**
- carotid body tumors: subject review and suggested surgical approach, (ab), Meyer FB; Sundt TM Jr; Pearson BW, *Radiology* 1987; 162: 888
- chemodectoma of the carotid body and ganglion nodosum treated with radiation therapy, Mendenhall WM; Million RR; Parsons JT; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2175
- duplex sonography of tumors of the carotid body, Gritzmann N; Herold C; Haller J; et al, *Cardiovasc Intervent Radiol* 1987; 10: 280
- MR imaging of paragangliomas, Olsen WL; Dillon WP; Kelly WM; et al, *AJNR* 1986; 7: 1039

- sonographic patterns of carotid body tumors, Makarainen H; Paivansalo M; Hyrynkangas K; et al, *JCU* 1986; 14: 373
- surgical resection of carotid body tumors: long-term survival, recurrence, and metastasis, (ab), Nora JD; Hallett JW Jr; O'Brien PC; et al, *Radiology* 1988; 168: 591
- Carotid body, therapeutic radiology**
- chemodectoma of the carotid body and ganglion nodosum treated with radiation therapy, Mendenhall WM; Million RR; Parsons JT; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2175
- Carpus**
- See Wrist
- Cartilage**
- articular cartilage defects: detectability in cadaver knees with MR, Glyys-Morin VM; Hajek PC; Sartoris DJ; et al, *AJR* 1987; 148: 1153
- cartilage disorders: comparison of spin-echo, CHES, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, *Radiology* 1987; 164: 753
- Legg-Calve-Perthes disease: detection of cartilaginous and synovial changes with MR imaging, Rush BF; Bramson RT; Ogden JA, *Radiology* 1988; 167: 473
- polychondritis affecting the laryngeal cartilages: CT findings, Casselman JW; Lemahieu SF; Peene P; et al, *AJR* 1988; 150: 355
- reliability of computed tomography in the initial diagnosis and follow-up evaluation of Tietze's syndrome: case report with review of the literature, Hamburg C; Abdelwahab IF, *CT* 1987; 11: 83
- Castleman tumor**
- See Hamartoma
- Cataracts**
- corneal temperature changes induced by high-field-strength MR imaging with a head coil, Shellock FG; Cruess JV, *Radiology* 1988; 167: 809
- increased risk of cataract in patients receiving radiotherapy to the eye: a pilot study, Dean G; Alderson M; Maximilien R, *Br J Radiol* 1988; 61: 309
- radioprotection against cataract formation by WR-77913 in gamma-irradiated rats, Menard TW; Osgood TB; Clark JJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1483
- Catheters and catheterization**
- antegrade ureteral stents: technical and catheter-related problems with polyethylene and polyurethane, Mitty HA; Dan SJ; Train JS, *Radiology* 1987; 165: 439
- benign postoperative biliary strictures: dilation with fluoroscopic guidance, Williams HJ Jr; Bender CE; May GR, *Radiology* 1987; 163: 629
- biliary stricture dilatation: multicenter review of clinical management in 73 patients, Mueller PR; vanSonnenberg E; Ferrucci JT Jr; Weyman PJ; Butch RJ; Malt RA; Burhenne HJ, *Radiology* 1986; 160: 17
- biliary stricture dilatation: multicenter review of clinical management in 73 patients, Kadir S; White RI Jr, *Radiology* 1987; 162: 286
- coaxial balloon-catheter device for treatment of neonates and infants, Lasjanias P; TerBrugge KG; Chiu MC, *Radiology* 1986; 159: 269
- complicated pancreatic abscesses: problems in interventional management, Steiner E; Mueller PR; Hahn PF; Saini S; Simeone JF; Wittenberg J; Warshaw AL; Ferrucci JT Jr, *Radiology* 1988; 167: 443
- digital vascular imaging of neck veins for the insertion of chronic venous access catheters, Soppitt D; Rich AJ; Robson RA, *Clin Radiol* 1986; 37: 147
- direct catheter redirection of a symptomatic errant intracranial Silastic sphere embolus, Russell EJ; Levy JM, *Radiology* 1987; 165: 631
- endoscopic retrograde cholangiography with a balloon catheter: analysis of 100 consecutive cases, Yoshimoto H; Ikeda S; Tanaka M; Matsumoto S; Nakayama F, *Radiology* 1986; 159: 53
- esophageal anastomotic leaks: preliminary results of treatment with balloon dilation, de Lange EE; Shaffer HA Jr; Daniel TM; Kron IL, *Radiology* 1987; 165: 45

- esophageal strictures: balloon dilation, Maynar M; Guerra C; Reyes R; Mayor J; Garcia J; Facal P; Castaneda-Zuniga WR; Letourneau JG, *Radiology* 1988; 167: 703
- establishing efficacy through consensus conferences, Doppman JL, *Radiology* 1986; 161: 566
- interventional radiology: challenges and initiatives, Becker GJ, *Radiology* 1986; 161: 562
- interventional radiology: we can't have it both ways, White RI Jr, *Radiology* 1986; 161: 565
- introduction: beginning of cardiovascular intervention using roentgen rays and image intensifier-TV fluoroscopy, Zeitler E, *Cardiovasc Intervent Radiol* 1986; 9: 233
- invasive hemodynamic monitoring: radiologist's perspective, Henry DA; LeBolt S, *Radiographics* 1986; 6: 535
- in vitro study of high-pressure catheters and various contrast agents, Rees CR; Merchun G; Becker GJ; Klatte EC; Mail JT; Mulry C, *Radiology* 1988; 166: 53
- laboratory assessment of ultrasonic needle and catheter visualization, McGahan JP, *J Ultrasound Med* 1986; 5: 373
- loculated abscesses: management by percutaneous fracture of septations, Lieberman RP; Hahn JF; Imray TJ; Phalen JT, *Radiology* 1986; 161: 627
- nonsurgical repositioning of central venous catheters, Lois JF; Gomes AS; Pusey E, *Radiology* 1987; 165: 329
- nonsurgical repositioning of central venous catheters, Hartnell GG; Wilde PH, *Radiology* 1988; 168: 581
- percutaneous cecostomy for decompression of the massively distended cecum, Casola G; Withers C; vanSonnenberg E; Herba MJ; Saba RM; Brown RA, *Radiology* 1986; 158: 793
- percutaneous dilation of benign biliary strictures, Moore AV Jr; Illescas FF; Mills SR; Wertman DE; Heaston DK; Newman GE; Zuger JH; Salmon RB; Dunnick NR, *Radiology* 1987; 163: 625
- percutaneous drainage of mediastinal pseudocysts, Wittich GR; Kanel F; Schurawitzki H; Jantch H, *Radiology* 1988; 167: 51
- percutaneous gastrostomy, Wills JS; Oglesby JT, *Radiology* 1988; 167: 41
- percutaneous gastrostomy and percutaneous gastrojejunostomy in children: antegrade approach, Towbin RB; Ball WS Jr; Bissett GS III, *Radiology* 1988; 168: 473
- percutaneous pulmonary valvuloplasty with a double-balloon technique, Park JH; Yoon YS; Yeon KM; Han MC; Kim C-W; Oh BH; Lee YW, *Radiology* 1987; 164: 715
- pneumothorax: radiologic treatment with small catheters, Casola G; vanSonnenberg E; Keightley A; Ho M; Withers C; Lee AS, *Radiology* 1988; 166: 89
- pulmonary arteriovenous malformations: techniques and long-term outcome of embolotherapy, White RI Jr; Lynch-Nyhan A; Terry P; Buescher PC; Farmlett EJ; Charnas L; Shuman KR; Kim W; Kinnison ML; Mitchell SE, *Radiology* 1988; 169: 663
- radiologically guided balloon dilation of gastrointestinal strictures: part I. technique and factors influencing procedural success, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, *Radiology* 1987; 165: 35
- radiologically guided balloon dilation of gastrointestinal strictures: part II. results of long-term follow-up, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, *Radiology* 1987; 165: 41
- selected endourologic techniques, Gordon RL; Banner MP; Pollack HM, *Radiol Clin North Am* 1986; 24: 633
- stability of coil emboli: an in vitro study, Nancarrow PA; Fellows KE; Lock JE, *Cardiovasc Intervent Radiol* 1987; 10: 226
- subacute subcapsular hematoma of the spleen complicating pancreatitis: successful percutaneous drainage, Vyborny CJ; Merrill TN; Reda J; Geurkink RE; Smith SJ, *Radiology* 1988; 169: 161
- thoracic empyema: management with image-guided catheter drainage, Silverman SG; Mueller PR; Saini S; Hahn PF; Simeone JF; Forman BH; Steiner E; Ferrucci JT, *Radiology* 1988; 169: 5
- ### Catheters and catheterization, complications
- acquired bone dysplasia secondary to catheter-related complications in the neonate, Seibert JJ; McCarthy RE; Alexander JE; et al, *Pediatr Radiol* 1986; 16: 43
- acute and long-term effects of massive balloon dilation on the aortic wall and vasa vasorum, Zollkofer CL; Redha FH; Bruhlmann WF; Uhlischmid GK; Vlodaver Z; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 164: 145
- acute scrotum: a complication of cardiac catheterization, Chapman S, *Br J Radiol* 1988; 61: 162
- acute ureteral obstruction as a complication of suprapubic catheterization, Borrero GO; Miller PR; Vora K; et al, *Urol Radiol* 1987; 9: 171
- adherent microorganisms on luminal surfaces of long-term intravenous catheters, (ab), Tenney JH; Moody MR; Newman KA; et al, *Radiology* 1987; 163: 292
- angioplasty-related iliac artery rupture: treatment by temporary balloon occlusion, Joseph N; Levy E; Lipman S, *Cardiovasc Intervent Radiol* 1987; 10: 276
- aortic lacerations: fatal complications of thoracic aortography, LaBerge JM; Jeffrey RB Jr, *Radiology* 1987; 165: 367
- bilateral ureteral obstruction caused by a Foley balloon in a patient with a contracted bladder, Cuttino JT Jr; Clark RL, *AJR* 1987; 149: 1197
- breast "abscess": an unusual complication of catheterisation of the subclavian vein, Rowley S; Downing R, *Br J Radiol* 1987; 60: 773
- catheter-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography, Perkash I; Friedland GW, *Radiology* 1986; 159: 453
- catheter induced pseudostenosis of the right pulmonary artery: a technical note, Stoll JF; Fellows KE, *Cardiovasc Intervent Radiol* 1987; 10: 237
- catheter-induced pulmonary artery perforation: pathologic and pathogenic features, (ab), Fraser RS, *Radiology* 1988; 167: 885
- cerebral complications following balloon angioplasty of coarctation of the aorta, Benson LN; Freedom RM; Wilson GJ; et al, *Cardiovasc Intervent Radiol* 1986; 9: 184
- complications of central venous catheters diagnosed by computed tomography, Schwartz ML; Shin MS, *CT* 1987; 11: 267
- complications of right heart catheterization: prospective autopsy study, (ab), Connors AF Jr; Castele RJ; Farhat NZ; et al, *Radiology* 1986; 158: 862
- computed tomography with intraperitoneal contrast medium for localization of peritoneal dialysis leaks, Brown DL; Johnson JB Jr; Kraus AP Jr; et al, *JCAT* 1987; 11: 276
- controlled endoscopic retrieval of ectopic ureteral catheters using fluoroscopic guidance, (ab), Hezmal HP; Flechner SM; Sandler CM, *Radiology* 1986; 158: 569
- CT diagnosis of delayed cerebral air embolism following intraaortic balloon pump catheter insertion, Haykal HA; Wang A-M, *Comput Radiol* 1986; 10: 307
- CT evaluation of retroperitoneal hemorrhage associated with femoral arteriography, Illescas FF; Baker ME; McCann K; et al, *AJR* 1986; 146: 1289
- delayed rupture of renal artery after renal percutaneous transluminal angioplasty, Fujita CB; Mali WPTM; Rosenbusch G; van Straalen AM; Klinge J; Feldberg MAM, *Radiology* 1986; 159: 635
- diffuse arterial narrowing as a result of intimal proliferation: a delayed complication of embolectomy with the Fogarty balloon catheter, (ab), Bowles CR; Olcott C IV; Fakter RL; et al, *Radiology* 1988; 169: 588
- effects of angioplasty balloon inflation time on arterial contractions and mechanics, Consigny PM; LeVein RF, *Invest Radiol* 1988; 23: 271
- exchange of occluded catheters with transcatheter and pericatheter maneuvers, Lee AS; vanSonnenberg E; Wittich GR; Casola G, *Radiology* 1987; 163: 273
- extension of hepatic metastatic tumor along a biliary drainage catheter tract: case report, Contractor FM; Sharma P; Dash N; et al, *Cardiovasc Intervent Radiol* 1987; 10: 303
- extraperitoneal placement of Tenckhoff catheters: a cause of immediate malfunction, Perlmutt LM; Braun SD; Cohen RH; et al, *AJR* 1987; 148: 1211
- failure in placement of trocar-mounted catheters, Gray RR; St. Louis EL; Grooman H, *J Canad Assoc Radiol* 1986; 37: 102
- false pulmonary artery aneurysm induced by Swan-Ganz catheter: diagnosis and embolotherapy, Davis SD; Neithamer CD; Schreiber TS; Sos TA, *Radiology* 1987; 164: 741
- formation of an undesirable guide wire loop with the Cope introduction set, Morano JU; Burkhalter JL, *Cardiovasc Intervent Radiol* 1987; 10: 109
- Greenfield filter placement with the extra-long sheath technique, Zeit RM, *Radiology* 1987; 165: 583
- hemopericardium resulting from attempted internal jugular vein catheterization: case report and review of complications of central venous catheterization, Carr M; Jagannath A, *Cardiovasc Intervent Radiol* 1986; 9: 214
- Hollister disk and bag system for intractable pericatheter leakage: method for controlling psychological and physical disability, Brock R; Mueller PR, *AJR* 1986; 146: 869
- Horner syndrome occurring as a complication of chest tube placement, Bertino RE; Wesbey GE; Johnson RJ, *Radiology* 1987; 164: 745
- impending catheter perforation of superior vena cava: radiographic recognition, Tociro IM; Watanabe A, *AJR* 1986; 146: 487
- inadvertent atrial fixation of a Swan-Ganz catheter by suture and a method for its percutaneous removal, Wholey MH; Zikria EA; Boyle B, *Cardiovasc Intervent Radiol* 1987; 10: 171
- indium-111 labeled platelet deposition following transfemoral angiography, O'Connor MK; Brennan SS; Shanik DG, *Radiology* 1986; 158: 191
- infectious complications of percutaneous biliary damage, Cohen RH; Illescas FF; Saeed M; et al, *Invest Radiol* 1986; 21: 705
- intravascular foreign bodies: percutaneous retrieval, Uflacker R; Lima S; Melichar AC, *Radiology* 1986; 160: 731
- introduction of bone imaging agent into the pleural space, Spencer RP; Karimeddini MK, *Clin Nucl Med* 1986; 11: 290
- kinked catheters: radiographic appearance of functionally significant bends, Nancarrow PA; Edwards DK, *AJR* 1986; 146: 789
- malignant pleural effusion: complication of transhepatic biliary drainage, Anschuetz SL; Vogelzang RL, *AJR* 1986; 146: 1165
- method for retrieval of retained subcutaneous catheter fragments, Sibbitt RR; Palmaz JC; Garcia F, *AJR* 1986; 147: 1017
- missing balloon sign, Williams R; Thomas AMK, *Clin Radiol* 1987; 38: 59
- neonatal umbilical artery pseudoaneurysm: sonographic evaluation (case report), Katz ME; Perlman JM; Tack ED; et al, *AJR* 1986; 147: 322
- nephrostomy tube communication with renal vein: demonstration by antegrade contrast and radioisotopic pyelographic examination, Nawaz MK; Al-Suhaili AR; Johny KV; et al, *Clin Nucl Med* 1987; 12: 665
- noninfectious complications of long-term central venous catheters: radiologic evaluation and management, Cassidy FP Jr; Zajko AB; Bron KM; et al, *AJR* 1987; 149: 671
- noninvasive evaluation of neonatal aortic thrombosis secondary to umbilical artery catheterization, Fellmeth BD; Sandler MP; Thieme GA; et al, *AJR* 1986; 146: 619
- nonsurgical repositioning of central venous catheters, Lois JF; Gomes AS; Pusey E, *Radiology* 1987; 165: 329

Catheters and catheterization, complications

- non-surgical repositioning of central venous catheters, Hartnell GG; Wilde PH, *Radiology* 1988; 168: 581
- Olbert dilatation catheter system: complication due to inexperienced handling, Grabenwoger F; Dock W; Pinteris F, *Cardiovasc Intervent Radiol* 1987; 10: 168
- osmotic disruption of the blood-ocular barriers, Li V; Turski PA; Levin AB; et al, *AJNR* 1987; 8: 347
- percutaneous biliary drainage: complications of 118 consecutive catheterizations, Hamlin JA; Friedman M; Stein MG; Bray JF, *Radiology* 1986; 158: 199
- percutaneous retrieval of an unusually large, nonopaque intravascular foreign body, Morse SS; Strauss EB; Hashim SW; et al, *AJR* 1986; 146: 863
- pericatheterization risk factors in left main coronary artery stenosis, (ab), Gordon FR; Abrams C; Gash AK; et al, *Radiology* 1987; 165: 586
- "pseudocatheter" due to inadvertent ventricular catheter placement, Williams CE; Gordon A; Arthur RJ, *Pediatr Radiol* 1988; 18: 353
- pulmonary artery false aneurysms secondary to Swan-Ganz pulmonary artery catheters, Dieden JD; Frixious LA III; Renner JW, *AJR* 1987; 149: 901
- radiologic manipulation of dislodged Tenckhoff dialysis catheters, List AR, *Australas Radiol* 1987; 31: 421
- recanalization of obstructed arteries with a flexible, rotating tip catheter, Kensey KR; Nash JE; Abrahams C; Zarins CK, *Radiology* 1987; 165: 387
- replacing the broken suture in the Cope-style loop retention catheter, Berman HL; Katz SG; Bakal CW, *AJR* 1986; 146: 590
- retained percutaneous transluminal coronary angioplasty equipment components and their management, (ab), Hartzler GO; Rutherford BD; McConahay DR, *Radiology* 1988; 168: 590
- retrieval of intravascular foreign bodies, Gerlock AJ Jr; Mirfakhraee M, *J Thorac Imag* 1987; 2: 52
- selective delivery of chemotherapeutic agents with a new catheter system, Wolpert SM; Kwan ESK; Heros D; Kasdon DL; Hedges TR III, *Radiology* 1988; 166: 547
- shearing of percutaneous nephrostomy catheter during indwelling ureteral stent placement, Sussman SK; Oke EJ; Perlmutt LM; et al, *AJR* 1986; 147: 832
- simple procedure for the removal of a non-dilating balloon bladder catheter: two cases, Morgan TCN; Barrett NK; Boulton JE, *Br J Radiol* 1986; 59: 1043
- small-bowel obstruction due to an intestinal balloon: treatment by percutaneous needle puncture, Sato Y; Frey E; Foderaro A; et al, *AJR* 1986; 147: 1019
- spasm of the deep circumflex artery causing entrapment of a guidewire, Shand J; Teasdale E, *Br J Radiol* 1988; 61: 251
- splenic artery pseudoaneurysm after placement of percutaneous transgastric catheter for a pancreatic pseudocyst, Quinn SF; Finney R; Rosemurgy A; et al, *AJR* 1988; 151: 495
- stone formation as a complication of indwelling ureteral stents: report of 5 cases, (ab), Spirnack JP; Resnick ML, *Radiology* 1986; 158: 859
- technique for the removal of retained balloon bladder catheters, Walters NA; Kilbey J; Rickards D, *Br J Radiol* 1988; 61: 320
- thrombolytic therapy in catheter-related subclavian venous thrombosis, Kramer FL; Goodman J; Allen S, *J Canad Assoc Radiol* 1987; 38: 106
- transrectal ultrasound diagnosis of a misplaced Foley catheter, Fornage BD, *JCU* 1986; 14: 629
- ultrasonic localization of a non-opaque intravascular catheter fragment, Moreno AJ; Fredericks P; Pan P; et al, *Br J Radiol* 1987; 60: 91
- venous air embolism on contrast-enhanced CT: chimera or Trojan horse?, Bettmann MA, *Radiology* 1988; 167: 571
- venous thrombosis after cardiac catheterization in infants, Laurin S; Lundström N-R, *Acta Radiol* 1987; 28: 241
- ventricular shunt therapy of the brain: long-term rubber-catheter-induced inflammation, Woodruff WW Jr; Yeates AE; Dent GA, *Radiology* 1986; 158: 171
- wire-loop technique for angioplasty of total iliac artery occlusions, Gaines PA; Cumberland DC, *Radiology* 1988; 168: 275
- ### Catheters and catheterization, in infants and children
- balloon-dilatation of esophageal strictures in children, Johnsen A; Jensen LI; Mauritzen K, *Pediatr Radiol* 1986; 16: 388
- new pediatric 5-F drainage system, Towbin RB; Ball WS Jr, *Radiology* 1987; 163: 827
- ### Catheters and catheterization, technology
- arterial occlusive disease below the knee: treatment with percutaneous transluminal angioplasty performed with low-profile catheters and steerable guide wires, Schwartz DE; Cutcliffe WB, *Radiology* 1988; 169: 71
- atherosclerotic rabbit aortas: expandable intraluminal grafting, Palmaz JC; Windeler SA; Garcia F; Tio FO; Sibbitt RR; Reuter SR, *Radiology* 1986; 160: 723
- "atraumatic" transjugular needle for portal vein puncture in swine, Uchida BT; Putnam JS; Rosch J, *Radiology* 1987; 163: 580
- axillary vein: an alternative approach for percutaneous pulmonary artery catheterization, (ab), Martin C; Auffray JP; Saux P; et al, *Radiology* 1987; 164: 294
- balloon-dilatable arterial banding prosthesis: experimental study, Vince DJ; Culham JAG; Taylor GP, *Radiology* 1987; 164: 141
- balloon dilation of the femoral vein expediting percutaneous Greenfield vena caval filter placement, Shetty PC; Bok LR; Burke MW; Sharma RP, *Radiology* 1986; 161: 275
- balloon hysterosalpingography catheter, Sholkoff SD, *AJR* 1987; 149: 995
- balloon techniques for percutaneous gastrostomy in a patient with partial gastrectomy, Varney RA; vanSonnenberg E; Casola G; Sukthankar R, *Radiology* 1988; 167: 69
- central venous silastic catheters in newborns: localization by sonography and radiology, Diemer A, *Pediatr Radiol* 1987; 17: 15
- cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter, Hicks ME; Kreipke DL; Becker GJ; Edwards MK; Holden RW; Jackson VP; Bendick PJ; Kuehn DS, *Radiology* 1986; 161: 545
- cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter, Halsell RD, *Radiology* 1987; 163: 284
- cerebrovascular disease: evaluation with transbrachial intraarterial digital subtraction angiography using a 4-F catheter: reply, Becker GJ; Hicks ME, *Radiology* 1987; 163: 285
- Cope drainage catheter: adding side holes without cutting the retention thread, Gibney RG; Fache JS; Becker CD; et al, *J Canad Assoc Radiol* 1988; 39: 217
- curved guide wire for percutaneous pulmonary angiography, Kozak BE; Rösch J, *Radiology* 1988; 167: 864
- directional needle for antegrade guide wire placement with vertical arterial puncture, Hawkins JS; Corvill LW; Miles SG; Giovannetti MJ; Siragusa RJ; Hawkins IF Jr, *Radiology* 1988; 168: 271
- dissolution of gallstones using cholecystostomy tube in the pig, McGahan JP; Lee LL; Tesluk H; et al, *Invest Radiol* 1987; 22: 201
- double-coated medical tape modification of finger trap method for anchoring drainage catheters to the skin, Dixon GD; Farthing DG; Longson F, *Cardiovasc Intervent Radiol* 1986; 9: 113
- dual-balloon technique for nonoperative removal of retained biliary stones, Alspaugh JP; Chuang VP; Martin LG; et al, *Cardiovasc Intervent Radiol* 1986; 9: 161
- endovascular treatment of intracranial AVMs: combined embolization with a multi-purpose mobile-wing microcatheter system, Benati A; Beltramello A; Maschio A; et al, *J Neurosurg* 1987; 14: 99
- Everting balloon catheter in the biliary tree: technical note, Alspaugh JP; Martin LG; Chuang VP, *Cardiovasc Intervent Radiol* 1986; 9: 164
- exchange of occluded catheters with transcatheter and pericatheter maneuvers, Lee AS; vanSonnenberg E; Wittich GR; Casola G, *Radiology* 1987; 163: 273
- experimental endovascular reinforcement, Cesarini K; Pech P; Houghton VM, *Neuroradiol* 1986; 28: 78
- external-internal cross-connection for bilateral percutaneous biliary drainage, Becker CD; Fache JS; Gibney RG; et al, *AJR* 1987; 149: 91
- external magnetic guidance of endovascular catheters with a superconducting magnet: preliminary trials: experimental studies in dogs and prospects of application, Gaston A; Mansuetti C; Lacaze A; et al, *J Neurosurg* 1988; 15: 137
- failure in placement of trocar-mounted catheters, Gray RR; St. Louis EL; Grossman H, *J Canad Assoc Radiol* 1986; 37: 102
- feasibility of high-resolution, intravascular ultrasonic imaging catheters, Meyer CR; Chiang EH; Fechner KP; Fitting DW; Williams DM; Buda AJ, *Radiology* 1988; 168: 113
- fixed intravascular foreign bodies: a new method for removal, Grabenwoger F; Dock W; Pinteris F; Appel W, *Radiology* 1988; 167: 555
- flow-directed catheter for superselective arterial catheterization: experimental evaluation, Wright KC; Wallace S; Charnsangavej C; et al, *Cardiovasc Intervent Radiol* 1986; 9: 54
- formation of an undesirable guide wire loop with the Cope introduction set, Morano JU; Burkhalter JL, *Cardiovasc Intervent Radiol* 1987; 10: 109
- geometry of triple-balloon dilation, Gaylord GM; Pritchard WF; Chuang VP; Casarella WJ; Sprawls P, *Radiology* 1988; 166: 541
- glioblastoma: catheter techniques for isolated chemotherapy perfusion, Dopman JL; Dedrick RL; Shook DR; Lutz RJ; Goldstein SR; Blacklock JB; Boretos JW; Paul RH; Austin HA III; Bowman RL; Oldfield EH, *Radiology* 1986; 159: 477
- Greenfield filter placement via the femoral vein: improved technique with extra-long sheath and purse-string suture, Zeit RM, *Radiology* 1987; 163: 575
- Greenfield filter placement with the extra-long sheath technique, Zeit RM, *Radiology* 1987; 165: 583
- guide wire angioplasty balloon catheter: preliminary report, Tegtmeyer CJ, *Radiology* 1988; 169: 253
- hepatic embolization through periportal collaterals: balloon occlusion technique, Nakamura H; Hashimoto T; Oi H; et al, *AJR* 1987; 148: 626
- hepatic embolization with an open-ended guide wire, Coldwell DM, *Radiology* 1987; 165: 285
- improved guidewire immobilization technique for interventional procedures, Gavatt ML, *AJR* 1987; 149: 629
- improved localisation of the proximal end of antegrade ureteric stents, Nisbet AP, *Br J Radiol* 1987; 60: 589
- improved technique for rethreading and modifying Cope loop retention catheters, Wohlmut DE; Price DB; Gordon DH, *Cardiovasc Intervent Radiol* 1987; 10: 175
- improved vessel dilator for percutaneous catheterization, Smith TP; Vlodaver Z; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 271
- intravascular balloon embolization of a carotid-ophthalmic artery aneurysm with preservation of the parent vessel, Hieshima GB; Higashida RT; Halbach VV; et al, *AJNR* 1986; 7: 916
- intravascular foreign bodies: percutaneous retrieval, Uflacker R; Lima S; Melicher AC, *Radiology* 1986; 160: 731

- lower-lobe-seeking pulmonary artery catheter, Ledor K; Ben-Avi HA; Ben-Avi DD; Abramowitz JG, *Radiology* 1987; 165: 286
- mechanical thrombolysis: new rotational catheter approach for acute thrombi, (ab), Ritchie JL; Hansen DD; Vracko R; et al, *Radiology* 1986; 161: 284
- modification of the Cope drainage catheter to facilitate placement, Berman HL; Bakal CW; Katz SG, *AJR* 1986; 146: 169
- modifications of Gianturco expandable wire stents, Uchida BT; Putnam JS; Rösch J, *AJR* 1988; 150: 1185
- modified Cope introducer set for rapid insertion of a safety wire, Jeffrey RB Jr, *AJR* 1986; 147: 828
- modified Cope introducing dilator to allow straight guide wire introduction, Vogelzang RL, *AJR* 1986; 146: 381
- modified scalp vein needle for arterial puncture in infants, Yeakley JW; Lee KF; Patchall LL, *AJNR* 1986; 7: 517
- modified sheath introducer for reduced arterial damage, Butto F; Robinson JD; Vlodaver Z; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 824
- modified use of the tip-deflecting wire in manipulation of foreign bodies, Nemcek AA Jr; Vogelzang RL, *AJR* 1987; 149: 777
- movable core guide wire: evaluation of improved model, Smith TP; Derauf BJ; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1986; 159: 552
- nasojejunal feeding tube placement in immobile patients, Cardozo JD; Jeffrey RB Jr, *Radiology* 1988; 166: 893
- new and original microcatheter system for hyperselective catheterization and endovascular treatment without risk of arterial rupture, Rufenacht D-A; Merland J-J, *J Neuroradiol* 1986; 13: 44
- new catheter design and placement technique for pulmonary arteriography, Tempkin DL; Ladika JE, *Radiology* 1987; 163: 275
- new catheter design for percutaneous cholecystostomy, McGahan JP, *Radiology* 1988; 166: 49
- new catheter for endovascular interventional procedures, Kikuchi Y; Strother CM; Boyer M, *Radiology* 1987; 165: 870
- new catheter for selective and superselective angiography, Rosen RJ, *Cardiovasc Intervent Radiol* 1986; 9: 49
- new directional accordion catheter for converting a retrograde puncture into an antegrade catheter placement, Miles SC; Siragusa R; Hawkins IF Jr, *AJR* 1988; 151: 197
- new heavy-duty exchange guide wire, Butto F; Robinson JD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 276
- newly designed angioplasty catheter: "the Gemini balloon", Wholey MH, *Cardiovasc Intervent Radiol* 1988; 11: 42
- new pediatric S-F drainage system, Towbin RB; Ball WS Jr, *Radiology* 1987; 163: 827
- new puncture needle (Seldinger technique) for easy antegrade catheterization of the superficial femoral artery, Saltzman J; Probst P, *Eur J Radiol* 1987; 7: 54
- new retention catheter, Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1986; 160: 559
- new super-stiff guide wire, Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1986; 161: 551
- new torque guide wire, Robinson JD; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 165: 572
- normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting, Palmaz JC; Kopp DT; Hayashi H; Schatz RA; Hunter G; Tio FO; Garcia O; Alvarado R; Rees C; Thomas SC, *Radiology* 1987; 164: 705
- percutaneous atheroma removal using a wire basket, Kim D; Turkel DH; Orron DE; et al, *AJR* 1987; 149: 625
- percutaneous brachial artery catheterization, Lipchik EO; Sugimoto H, *Radiology* 1986; 160: 842
- percutaneous removal of thoracostomy tubes, Monsein LH; Woodside JR; Dhillon JS, *Radiology* 1987; 163: 743
- percutaneous transfemoral placement of the Kimray-Greenfield vena cava filter, Rose BS; Simon DC; Hess ML; Van Aman ME, *Radiology* 1987; 165: 373
- permanent inflation of detachable balloons with a low-viscosity, hydrophilic polymerizing system, Goto K; Halbach VV; Hardin CW; Higashida RT; Hieshima GB, *Radiology* 1988; 169: 787
- plastic-coated guide wire for hepatic arteriography, Takayasu K; Muramatsu Y; Moriyama N; Ohtsu T; Catapia FC, *Radiology* 1988; 166: 545
- pulmonary microvascular cytology: new diagnostic application of the pulmonary artery catheter, (ab), Marson RG; Ruggieri J, *Radiology* 1986; 159: 821
- recanalization of obstructed arteries with a flexible, rotating tip catheter, Kensey KR; Nash JE; Abrahams C; Zarins CK, *Radiology* 1987; 165: 387
- removal of retained common bile duct stones with angiographic occlusion balloons, Meranze SG; Stein EJ; Burke DR; et al, *AJR* 1986; 146: 383
- replaceable sump lumen catheter for abscess drainage, Kerlan RK Jr; Ring EJ, *Gastrointest Radiol* 1986; 11: 112
- replacing the broken suture in the Cope-style loop retention catheter, Berman HL; Katz SG; Bakal CW, *AJR* 1986; 146: 590
- retrograde ureteral catheterization via the ileal conduit, Applbaum YN; Diamond AB; Rappoport AS, *AJR* 1986; 146: 61
- road map application to the pulseless common femoral artery, McDermott JC; Starck EE; Crummy AB, *Cardiovasc Intervent Radiol* 1986; 9: 109
- segmental renal venous catheterization: technical note, Zalev AH, *J Canad Assoc Radiol* 1986; 37: 100
- selective delivery of chemotherapeutic agents with a new catheter system, Wolpert SM; Kwan ESK; Heros D; Kasdon DL; Hedges TR III, *Radiology* 1988; 166: 547
- silicone biliary stents, Iaccarino V; Niola R; Porta E, *AJR* 1987; 148: 741
- silicone rubber catheter venography using standard angiographic techniques, Johnson RL; Lieberman RP; Kaplan PA; et al, *Cardiovasc Intervent Radiol* 1988; 11: 45
- simple method to form an open loop with the sidewinder catheter for cerebral angiography, Kim KS; Weinberg PE, *Neuroradiol* 1987; 29: 76
- simple propulsion-chamber-system for the 16 gauge approach, Rufenacht D-A; Merland J-J; Guimaraens L; et al, *Neuroradiol* 1986; 28: 355
- Simpson catheter for percutaneous transluminal removal of atheroma, Schwarten DE; Katzen BT; Simpson JB; et al, *AJR* 1988; 150: 799
- single catheter for aortic arch and selective cerebral angiography, Hinck VC, *AJNR* 1986; 7: 159
- suture anchor for visceral drainage, Cope C, *AJR* 1986; 146: 160
- technical difficulties of selective venous blood sampling in the differential diagnosis of female hyperandrogenism, Sorensen R; Moltz L; Schwartz U, *Cardiovasc Intervent Radiol* 1986; 9: 75
- technical note: repositioning misplaced central venous catheters, Carrasco CH; Richli WR; Charnsangavej C; et al, *Cardiovasc Intervent Radiol* 1987; 10: 234
- translumbal catheter angiography with a needle-sheath system, Gmelin E; Rinast E, *Radiology* 1988; 166: 888
- translumbal inferior vena cava Hickman catheter placement for total parenteral nutrition, Denny DF Jr; Dorfman GS; Greenwood LH; et al, *AJR* 1987; 148: 621
- unidirectional 8-MHz continuous wave Doppler equipment can facilitate catheterization of the internal jugular vein, Schregel W; Straub H; Singbartl G, *J Ultrasound Med* 1986; 5: 421
- universal stent introducer: simplified approach to antegrade ureteral stent insertion, Lee WJ; Rich M, *AJR* 1986; 147: 830
- use of a flexible, 22-gauge trocar needle and an obturator for obstructed drainage catheter exchange, McLeilan GL, *AJR* 1988; 151: 521
- use of an open-ended guidewire: steerable microguidewire assembly system in surgical neuroangiographic procedures, Jungreis CA; Berenstein A; Choi IS, *AJNR* 1987; 6: 237
- use of large silicone catheters in patients with long-term percutaneous transhepatic biliary drainage, Bret PM; Bretagnolle M; Fond A; et al, *Cardiovasc Intervent Radiol* 1986; 9: 57
- use of the Amplatz introducer sheath to facilitate ureteral stent placement, Gray RR; St. Louis EL; Grossman MF; J Canad Assoc Radiol 1987; 38: 120
- varicoceles: distal occlusion with coaxial catheter system, Berger T; Sorensen R, *Radiology* 1987; 162: 271
- venous cannula for emergency catheter pulmonary embolotomy, Cope C, *Radiology* 1986; 161: 553
- Cat-scratch fever**
cat-scratch disease: report of a case with liver lesions and no lymphadenopathy, Delbeke D; Sandler MP; Shaff M; et al, *J Nucl Med* 1988; 29: 1454
- Cauda equina**
See Spinal cord
- Caustic agents, ingestion**
caustic ingestion in adult patients, (ab), Schild JA, *Radiology* 1986; 160: 860
- Cavernous sinus**
cavernous sinus subarachnoid diverticulum and sixth nerve palsy, Kobayashi T; Negoro M; Aways S, *Neuroradiol* 1987; 29: 306
- dural fistulas involving the cavernous sinus: results of treatment in 30 patients, Halbach VV; Higashida RT; Hieshima GB; Reicher MA; Norman D; Newton TH, *Radiology* 1987; 163: 437
- fat in the normal cavernous sinus, Hosoya T; Kera M; Suzuki T; et al, *Neuroradiol* 1986; 28: 264
- MR imaging of the cavernous sinus: value of spin echo and gradient recalled echo images, Daniels DL; Czervionke LF; Bonneville JF; et al, *AJNR* 1988; 9: 947
- occlusion of arteriovenous malformations of the cavernous sinus via the superior ophthalmic vein, Teng MMH; Guo W-Y; Huang C-I; et al, *AJNR* 1988; 9: 539
- perineural tumor extension to the cavernous sinus from superficial facial carcinoma: CT manifestations, Woodruff WW Jr; Yeates AE; McLendon RE, *Radiology* 1986; 161: 395
- roentgenological investigation of cavernous sinus structure with special reference to paracavernous cranial nerves, Tsuha M; Aoki H; Okamura T, *Neuroradiol* 1987; 29: 462
- traumatic carotid aneurysm secondary to cavernous sinus penetration by wood: CT features, Braun J; Gdal-On M; Goldsher D; et al, *JCAT* 1987; 11: 525
- Cavernous sinus, CT**
cavernous sinus air in a patient with basilar skull fracture: CT identification, Bartynski WS; Wang A-M, *JCAT* 1988; 12: 141
- comparison of MR imaging, CT, and angiography in the evaluation of the enlarged cavernous sinus, Hirsch WL Jr; Hryshko FG; Sekhar LN; et al, *AJNR* 1988; 9: 907
- computed tomography of cavernous sinus diseases, Chung JW; Chang KH; Han MH; et al, *Neuroradiol* 1988; 30: 319
- sixth nerve neuroma in the cavernous sinus: CT features, Hansman ML; Hoover ED; Peyster RG, *JCAT* 1986; 10: 1030
- Cavernous sinus, MR studies**
MR imaging of cavernous sinus involvement by pituitary adenomas, Scotti G; Yu C-Y; Dillon WP; et al, *AJNR* 1988; 9: 657
- Cavernous sinus, neoplasms**
cavernous sinus meningiomas: an MRI study, Bradac GB; Riva A; Schörrer W; et al, *Neuroradiol* 1987; 29: 578
- sixth nerve neuroma in the cavernous sinus: CT features, Hansman ML; Hoover ED; Peyster RG, *JCAT* 1986; 10: 1030
- Cavernous sinus, thrombosis**
gallium scintigraphy in a case of septic cavernous sinus thrombosis, Palestro CJ; Malat J; Gladstone AG; et al, *Clin Nucl Med* 1986; 11: 636
- Celiac disease**
jejunal fold separation in adult celiac disease: relevance of enteroclysis, Herlinger H; Maglente DDT, *Radiology* 1986; 158: 605

Cellulitis

atypical radionuclide scan appearance in cellulitis due to group A streptococcus. Fisher MC; Gainey MA; Capitanio MA. *Clin Nucl Med* 1988; 13: 359

computed tomography in the assessment of myonecrosis. Farnlett EJ; Fishman EK; Magid D; et al. *J Canad Assoc Radiol* 1987; 38: 278

computerized tomography in the diagnosis and treatment of orbital cellulitis. Hirsch M; Lifshitz T. *Pediatr Radiol* 1988; 18: 302

magnetic resonance imaging of local soft tissue inflammation using gadolinium-DTPA. Paajanen H; Brasch RC; Schmiedl U; et al. *Acta Radiol* 1987; 28: 79

ventricular shunt therapy of the brain: long-term rubber-catheter-induced inflammation. Woodruff WW Jr; Yeates AE; Dent GA. *Radiology* 1986; 158: 171

Cerebellopontine angle

amyloidomas in the cerebellopontine angle and jugular foramen. case report, (ab). Matsumoto T; Tani E; Maeda Y; et al. *Radiology* 1986; 158: 571

computed tomography of the cerebellopontine cistern in normal and acoustic tumor patients. Fagerlund M. *Acta Radiol* 1987; 28: 231

Cerebellopontine angle, MR studies

magnetic resonance imaging of the cerebellopontine angle. Mawhinney RR; Buckley JH; Worthington BS; et al. *Br J Radiol* 1986; 59: 961

MR imaging of cerebellopontine angle and internal auditory canal lesions at 1.5 T. Press GA; Hesselink JR. *AJNR* 1988; 9: 241

optimizing MR imaging for detecting small tumors in the cerebellopontine angle and internal auditory canal. Enzmann DR; O'Donohue J. *AJNR* 1987; 8: 99

Cerebellopontine angle, neoplasms

cerebellopontine angle lymphoma. Yang PJ; Seeger JF; Carmody RF; et al. *AJNR* 1987; 8: 368

computed tomography of a cerebellopontine angle lipoma. Dalley RW; Robertson WD; Lapointe JS; et al. *JCAT* 1986; 6: 704

computed tomography of the cerebellopontine cistern in normal and acoustic tumor patients. Fagerlund M. *Acta Radiol* 1987; 28: 231

optimizing MR imaging for detecting small tumors in the cerebellopontine angle and internal auditory canal. Enzmann DR; O'Donohue J. *AJNR* 1987; 8: 99

Cerebellum

See Brain

Cerebral angiography

See also Brain; Brain neoplasms; Cerebral blood vessels

analysis of the angiographic findings in cases of childhood moyamoya disease. Satoh S; Shibuya H; Matsushima Y; et al. *Neuroradiol* 1988; 30: 111

angiographic demonstration of the meningeal branch of the posterior cerebral artery. Bojanowski WM; Rigamonti D; Spetzler RF; et al. *AJNR* 1988; 9: 808

application of IV digital subtraction angiography to cranial disease in children. Mueller DL; Amundson GM; Wesenberg RL; et al. *AJNR* 1986; 7: 669

arteriosclerotic ischemic cerebrovascular disease. Kricheff IL. *Radiology* 1987; 162: 101

brain death: use of dynamic CT and intravenous digital subtraction angiography. Tan WS; Wilbur AC; Jafar JJ; et al. *AJNR* 1987; 8: 123

cerebral angiography in brainstem revascularization. Jack CR Jr; Boulos RS; Mehta BA; et al. *AJNR* 1987; 8: 211

cerebral infarction: shortcomings of angiography in the evaluation of intracranial cerebrovascular disease in 25 cases. (ab). Stillman MJ; Ronthal M; Kleefield J; et al. *Radiology* 1988; 166: 914

clinical events following neuroangiography: a prospective study. (ab). Dion JE; Gates PC; Fox AJ; et al. *Radiology* 1988; 169: 589

complications in cerebral angiography with lohexol (Omnipaque) and meglumine metrizoate (Isoaque cerebral). Skappe IO. *Neuroradiol* 1988; 30: 69

computed angiography of the brain: normal and normal variations of cerebral vessels. Yamamoto Y; Asari S; Sadamoto K. *Comput Radiol* 1986; 10: 71

computed tomography and angiography in MELAS (mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes): report of 3 cases. Hasuo K; Tamura S; Yasumori K; et al. *Neuroradiol* 1987; 29: 393

craniopagus twins: neuroradiological findings (CT, angiography, MRI). Schindler E; Hajek P. *Neuroradiol* 1988; 30: 11

CT and angiographic correlation of severe neurological disease in toxemia of pregnancy. Lewis LK; Hinshaw DB Jr; Will AD; et al. *Neuroradiol* 1988; 30: 59

CT, MRI, and angiography of venous angiomas: a comparative study. Fontaine S; de la Sayette V; Gianfelice D; et al. *J Canad Assoc Radiol* 1987; 38: 259

digital imaging of the intracranial circulation using an aortic arch injection and carotid compression. Banna M; Mannen J. *J Canad Assoc Radiol* 1986; 37: 184

does cerebral angiography of cadaveric kidney donors interfere with graft function? Weibull H; Cederholm C; Almén T; et al. *Acta Radiol* 1987; 28: 451

intraoperative digital subtraction neuroangiography: a diagnostic and therapeutic tool. Hieshima GB; Reicher MA; Higashida RT; et al. *AJNR* 1987; 8: 759

intravenous digital subtraction angiography of the precerebral and cerebral arteries in patients with TIA: a comparison with conventional angiography. Bakke SJ; Nakstad PH; Aakhus T. *Eur J Radiol* 1988; 8: 140

nontraumatic lobar intracerebral hemorrhage: CT/angiographic correlation. Loes DJ; Smoker WRK; Biller J; et al. *AJNR* 1987; 8: 1027

ocular lens dose in cerebral vascular imaging. Casselden PA. *Br J Radiol* 1988; 61: 202

preoperative venogram in planning extended craniectomies. Lanzieri CF; Sacher M; Duchesneau PM; et al. *Neuroradiol* 1987; 29: 360

radiation exposure from conventional and digital subtraction angiography of cerebral vessels. Plunkett MB; Gray JE; Kispert DB. *AJNR* 1986; 7: 665

radiology of the ambient cistern. part II: pathology. Chakeres DW; Kapila A; LaMasters D. *Neuroradiol* 1986; 28: 4

size determination of supratentorial arteriovenous malformations by MR, CT and angio. Noorbehesht B; Fabrikant JL; Enzmann DR. *Neuroradiol* 1987; 29: 512

value of angiography in cerebral nail-gun injuries. Al-Mefty O; Holoubi A; Fox JL. *AJNR* 1986; 7: 164

Cerebral angiography, contrast media

neurological morbidity of arch and carotid arteriography in cerebrovascular disease. the influence of contrast medium and radiologist. McIvor J; Steiner TJ; Perkin GD; et al. *Br J Radiol* 1987; 60: 117

reducing the cost of using contrast media: a look at discarded volumes. Kinnison ML; Steinberg EP; Powe NR; Anderson GF. *Radiology* 1988; 166: 367

Cerebral angiography, radionuclide

brain death: confirmation by radionuclide cerebral angiography. Patel YP; Gupta SM; Batson R; et al. *Clin Nucl Med* 1988; 13: 438

hypervascularity on cerebral radionuclide angiogram. Lin DS. *Semin Nucl Med* 1986; 16: 74

hypovascularity on cerebral radionuclide angiogram. Lin DS. *Semin Nucl Med* 1986; 16: 77

I-123 HIPDM SPECT imaging and cerebral angiography for EC-IC bypass evaluation. Boyko OB; Park H-M; Edwards MK; Wellman HN; Glazier MC; Marquart CL; Kung HF. *Radiographics* 1987; 7: 563

Cerebral angiography, technology

biplane stereoscopic magnification cerebral angiography. Kleefield J; O'Reilly GV; Barsotti JB; Brooks ML. *Radiology* 1987; 165: 576

coaxial balloon-catheter device for treatment of neonates and infants. Lasjaunias P; TerBrugge KG; Chiu MC. *Radiology* 1986; 159: 269

development of a new universal neuroangiographic unit. Takahashi M; Miyawaki M; Bussaka H. *Neuroradiol* 1986; 28: 351

neurological morbidity of arch and carotid arteriography in cerebrovascular disease. the influence of contrast medium and radiologist. McIvor J; Steiner TJ; Perkin GD; et al. *Br J Radiol* 1987; 60: 117

quantitative analysis of intracranial circulation using rapid-sequence DSA. Kwan ES; Hall A; Enzmann DR. *AJNR* 1986; 7: 295

simple method to form an open loop with the sidewinder catheter for cerebral angiography. Kim KS; Weinberg PE. *Neuroradiol* 1987; 29: 76

transbrachial artery approach for selective cerebral angiography in outpatients. Touho H; Karasawa J; Shishido H; et al. *AJNR* 1988; 9: 334

Cerebral blood vessels

normal perivascular space. mimicking lacunar infarction: MR imaging. Jungreis CA; Kanal E; Hirsch WL; Martinez AJ; Moosy J. *Radiology* 1988; 169: 101

strangulation in child abuse: CT diagnosis. Bird CR; McMahan JR; Gilles FH; Senac MO; Athorp JS. *Radiology* 1987; 163: 373

whither the Wada? Miller DL; Fedio P. *Radiology* 1988; 168: 871

Cerebral blood vessels, abnormalities

anomalous origin of the anterior cerebral artery associated with aneurysm—embryological considerations. Bollar A; Martinez R; Gelabert M; et al. *Neuroradiol* 1988; 30: 86

bilateral anomalous anterior cerebral artery and infraoptic aneurysm. Klein SJ; Gahbauer H; Goodrich I. *AJNR* 1987; 8: 1142

cerebral arterial fenestration. Osborn RE; Kirk G. *Comput Radiol* 1987; 11: 141

occult cerebral vascular malformations: high-field MR imaging. Gomori JM; Grossman RI; Goldberg HI; Hackney DB; Zimmerman RA; Bilaniuk LT. *Radiology* 1986; 158: 707

occult cerebral vascular malformations: high-field MR imaging. Kucharczyk W; Brant-Zawadzki M. *Radiology* 1986; 161: 278

occult cerebral vascular malformations: high-field MR imaging. reply. Gomori JM; Grossman RI. *Radiology* 1986; 161: 278

partially thrombosed giant intracranial aneurysms: correlation of MR and pathologic findings. Atlas SW; Grossman RI; Goldberg HI; Hackney DB; Bilaniuk LT; Zimmerman RA. *Radiology* 1987; 162: 111

pineal germinoma: MR imaging. Kilgore DM; Strother CM; Starshak RJ; Houghton VP. *Radiology* 1986; 158: 435

sinus pericranii: case report. Witrat BJ; Davis PC; Hoffman JC Jr. *Pediatr Radiol* 1986; 16: 55

supreme anterior communicating artery. Handa J; Suzuki F. *Neuroradiol* 1986; 28: 174

vascular intracranial lesions: applications of gradient-echo MR imaging. Atlas SW; Mark AS; Fram EK; Grossman RI. *Radiology* 1988; 169: 455

when should GRASS be used? Bradley WG. *Radiology* 1988; 169: 574

Cerebral blood vessels, anatomy

vascular pattern in the tela choroidea of the prosencephalon in man. Wolfram-Gabel R; Maillot C; Koritke JG. *J Neuroradiol* 1987; 14: 10

Cerebral blood vessels, angiography

See Cerebral angiography

Cerebral blood vessels, CT

acute stroke: detection of changes in cerebral perfusion with dynamic CT scanning. Shih TTF; Huang K-M. *Radiology* 1988; 169: 469

cerebral venous angioma and a varix: rare combination. Numaguchi Y; Nadell JM; Mizushima A; et al. *Comput Radiol* 1986; 10: 319

changes in cerebral perfusion after acute head injury. Powe J; Thompson T; Maguire C. *Radiology* 1988; 167: 581

changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HM-PAO SPECT. Abdel-Dayem HM; Sadek SA; Kouris K; Bahar RH; Higazi I; Eriksson S; Englesson SH; Berntman L; Sigurdsson GH; Foad M; Olivecrona H. *Radiology* 1987; 165: 221

- changes in cerebral perfusion after acute head injury: reply, Abdel-Dayem HM, *Radiology* 1988; 167: 582
- computed angiography of the brain: normal and normal variations of cerebral vessels, Yamamoto Y; Asari S; Sadamoto K, *Comput Radiol* 1986; 10: 71
- computed tomography of deep cerebral venous thrombosis, Kim KS; Walczak TS, *JCAT* 1986; 10: 386
- CT diagnosis of delayed cerebral air embolism following intra-aortic balloon pump catheter insertion, Haykal HA; Wang A-M, *Comput Radiol* 1986; 10: 307
- CT, MRI, and angiography of venous angiomas: a comparative study, Fontaine S; de la Sayette V; Gianfelice D; et al, *J Canad Assoc Radiol* 1987; 38: 259
- CT of cerebral venous sinus thrombosis in a child with homocystinuria, Schwab FJ; Peyster RG; Brill CB, *Pediatr Radiol* 1987; 17: 244
- dynamic CT brain scanning in the haemodynamic evaluation of cerebral arterial occlusive disease, Davis SM; Tress BM; Hopper JL; et al, *Neuroradiol* 1987; 29: 259
- dynamic CT of cranio-cervical vascular occlusive disease, Jinkins JR, *Neuroradiol* 1988; 30: 105
- impact of computed tomography on stroke management and outcome (ab), Hazelton AE; Earnest MP, *Radiology* 1987; 164: 294
- isolated cerebral varix of superficial cortical vein: CT demonstration, Tanohata K; Maehara T; Noda M; et al, *JCAT* 1986; 10: 1073
- mapping of local cerebral blood flow with stable xenon-enhanced CT and the curve-fitting method of analysis, Touho H; Karasawa J; Nakagawa J; Tazawa T; Yamada K; Kuriyama Y; Asai M; Kagawa M; Kobayashi K; Yasue H, *Radiology* 1988; 168: 207
- PET, CT, and MR imaging in cerebrovascular disease, Heiss W-D; Herholz K; Bocher-Schwarz HG; et al, *JCAT* 1986; 10: 903
- role of CT and DSA in cranial sino-venous occlusion, Grossman H; St. Louis EL; Gray RK, *J Canad Assoc Radiol* 1987; 38: 183
- xenon/computed tomography cerebral blood flow measurements: methods and accuracy, Fatorous PP; Wist AO; Kishore PRS; et al, *Invest Radiol* 1987; 22: 705
- Cerebral blood vessels, diseases**
- case report. Moyamoya disease: unusual cause of cerebral infarction, Wood CH; Jeans WD; Coakham HB, *Clin Radiol* 1986; 37: 289
- dynamic CT brain scanning in the haemodynamic evaluation of cerebral arterial occlusive disease, Davis SM; Tress BM; Hopper JL; et al, *Neuroradiol* 1987; 29: 259
- echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy, Teele RL; Hernandez-Schulman M; Sotrel A, *Radiology* 1988; 169: 423
- neurological morbidity of arch and carotid arteriography in cerebrovascular disease: the influence of contrast medium and radiologist, McIvor J; Steiner TJ; Perkins GD; et al, *Br J Radiol* 1987; 60: 117
- PET, CT, and MR imaging in cerebrovascular disease, Heiss W-D; Herholz K; Bocher-Schwarz HG; et al, *JCAT* 1986; 10: 903
- Cerebral blood vessels, enlarged**
- angiographic study of incidence and morphology of infundibular dilatation of the posterior communicating artery, Ebina K; Ohkuma H; Iwabuchi T, *Neuroradiol* 1986; 28: 23
- cerebral venous distention associated with cardiac failure in infants, Kuharik MA; Edwards MK, *AJNR* 1987; 8: 657
- congenital hemispheric arterial ectasia complicating unilateral megalencephaly, Araki Y; Mori S; Kanoh M; et al, *Br J Radiol* 1987; 60: 395
- Cerebral blood vessels, flow dynamics**
- acetazolamide enhancement of HIPDM brain flow distribution imaging, Bur RW; Reddy RV; Mock BM; et al, *J Nucl Med* 1986; 27: 1627
- adverse reactions to xenon-enhanced CT cerebral blood flow determination, Latchaw RE; Yonas H; Pentheny SL; Gur D, *Radiology* 1987; 163: 251
- autoradiographic comparison of thallium-201 diethyldithiocarbamate, isopropylidocarbamate and iodanthipyrine as cerebral blood flow tracers, Lear JL; Navarro D, *J Nucl Med* 1987; 28: 481
- cerebral blood flow imaging with thallium-201 diethyldithiocarbamate SPECT, van Royen EA; de Bruine JF; Hill TC; et al, *J Nucl Med* 1987; 28: 178
- cerebral blood flow velocity waveforms in hydrocephalic fetuses, Kirkinen P; Muller R; Baumann H; et al, *JCU* 1988; 16: 493
- cerebral hemodynamics in arteriovenous malformations: evaluation by single-photon emission CT, Takeuchi S; Kikuchi H; Karasawa J; et al, *AJNR* 1987; 8: 193
- changes of cerebral blood flow, and oxygen and glucose metabolism following radiochemotherapy of gliomas: a PET study, Ogawa T; Uemura K; Shishido F; et al, *JCAT* 1988; 12: 290
- comparison of technetium-99m aminoalkyl diaminodithiol (DADT) analogs as potential brain blood flow imaging agents, Scheffel U; Goldfarb HW; Lever SZ; et al, *J Nucl Med* 1988; 29: 73
- concurrent measurements of cerebral blood flow, sodium, lactate, and high-energy phosphate metabolism using ^{23}Na , ^1H , and ^{31}P nuclear magnetic resonance spectroscopy, Eleff SM; Schnall MD; Ligetti L; et al, *Magn Res Med* 1988; 7: 412
- copper(II) bis(thiosemicarbazone) complexes as potential tracers for evaluation of cerebral and myocardial blood flow with PET, Green MA; Klippenstein DL; Tennison JR, *J Nucl Med* 1988; 29: 1549
- delayed hyperemia following hyperperfusion in classic migraine: single photon emission computed tomographic demonstration, (ab), Anderson AR; Friberg L; Olsen TS; et al, *Radiology* 1988; 168: 295
- examination of angiography for local cerebral blood flow studies in PET, Koeppe RA; Hutchins GD; Rothley JM; et al, *J Nucl Med* 1987; 28: 1695
- exploration of the fetal cerebral blood flow by duplex Doppler—linear array system in normal and pathological pregnancies, Arbeille P; Koncin A; Berson M; et al, *Ultrasound Med Biol* 1987; 13: 329
- frequency and patterns of abnormality detected by iodine-123 amine emission CT after cerebral infarction, Brott TG; Gelfand MJ; Williams CC; Spilker JA; Hertzberg VS, *Radiology* 1986; 158: 729
- haemodynamics and oxygen metabolism in patients after reversible ischaemic attack or minor ischaemic stroke assessed with positron emission tomography, Itoh M; Hatazawa J; Pozzilli C; et al, *Neuroradiol* 1987; 29: 416
- high-flow angiopathy: cerebral blood vessel changes in experimental chronic arteriovenous fistula, Pile-Spellman JMD; Baker KF; Liszczak TM; et al, *AJNR* 1986; 7: 811
- imaging local cerebral blood flow by xenon-enhanced computed tomography—technical optimization procedures, Meyer JS; Shinohara T; Imai A; et al, *Neuroradiol* 1988; 30: 283
- imaging of cerebral blood flow-to-volume distribution using SPECT, Knapp WH; von Kummer R; Kubler W, *J Nucl Med* 1986; 27: 465
- intracranial flow patterns in infants undergoing extracorporeal membrane oxygenation: preliminary observations with Doppler US, Taylor GA; Catena LM; Garin DB; Miller MK; Short BL, *Radiology* 1987; 165: 671
- local cerebral blood flow as assessed by xenon stable computed tomography in child drowning, Hodak JA; Tilden SJ; Johnsen SD; et al, *Pediatr Radiol* 1988; 18: 344
- luxury perfusion syndrome in cerebral vascular disease evaluated with technetium-99m HM-PAO, Spreafico G; Cammelli F; Gadola G; et al, *Clin Nucl Med* 1987; 12: 217
- mapping of local cerebral blood flow with stable xenon-enhanced CT and the curve-fitting method of analysis, Touho H; Karasawa J; Nakagawa J; Tazawa T; Yamada K; Kuriyama Y; Asai M; Kagawa M; Kobayashi K; Yasue H, *Radiology* 1988; 168: 207
- mismatch between iodine-123 and xenon-133 SPECT rCBF measurement, Steinling M; Destee A, *Clin Nucl Med* 1986; 11: 13
- moyamoya disease: MR imaging, Fujisawa I; Asato R; Nishimura K; Togashi K; Itoh K; Noma S; Sagoh T; Minami S; Nakano Y; Yonekawa Y; Torizuka K, *Radiology* 1987; 164: 103
- N- ^{11}C -methylchlorpheniramine and N,N- ^{11}C -dimethylchlorpheniramine as brain blood-flow agents for positron emission tomography, Kizuka H; Elmaleh DR; Boudreaux GJ; et al, *J Nucl Med* 1986; 27: 532
- pitfalls of regional cerebral blood flow analysis in cerebrovascular disease, Lagreze HL; Levine RL; Sunderland JS; et al, *Clin Nucl Med* 1988; 13: 197
- quantification of intracerebral steal in patients with arteriovenous malformation, (ab), Homan RW; Devous MD; Stokely EM; et al, *Radiology* 1987; 162: 295
- quantitative local cerebral blood flow measurements with technetium-99m HM-PAO: evaluation using multiple radionuclide digital quantitative autoradiography, Lear JL, *J Nucl Med* 1988; 29: 1387
- radiation dose to upper airways from inhaled oxygen-15 carbon dioxide, Meyer E; Yamamoto LY; Evans AC; et al, *J Nucl Med* 1987; 28: 234
- regional cerebral blood velocity in infants: a real-time transcranial and fontanelle pulsed Doppler study, Raju TNK; Zikos E, *J Ultrasound Med* 1987; 6: 497
- relationships of five Doppler measures with flow in an in vitro model and clinical findings in newborn infants, Miles RD; Menke JA; Bashiru M; et al, *J Ultrasound Med* 1987; 6: 597
- resistance index, blood flow velocity, and resistance-area product in the cerebral arteries of very low birth weight infants during the first week of life, Evans DH; Levene MI; Shortland DB; et al, *Ultrasound Med Biol* 1988; 14: 103
- SPECT study of regional cerebral blood flow in Alzheimer disease, Bonte FJ; Ross ED; Chehabi HH; et al, *JCAT* 1986; 10: 579
- study of regional cerebral blood flow in stroke patients using technetium 99m HM-PAO, Smith FW; Donald RT; Morris AJ; et al, *Br J Radiol* 1988; 61: 358
- technetium-99m HM-PAO stereoisomers as potential agents for imaging regional cerebral blood flow: human volunteer studies, Sharp PF; Smith FW; Gemmell HG; et al, *J Nucl Med* 1986; 27: 171
- transcranial Doppler method in the evaluation of cerebrovascular spasm, Aaslid R; Huber P; Normes H, *Neuroradiol* 1986; 28: 11
- transcranial measurement of blood velocities in the basal cerebral arteries using pulsed Doppler ultrasound: method of assessing the circle of Willis, Padayachee TS; Kirkham FJ; Lewis RR; et al, *Ultrasound Med Biol* 1986; 12: 5
- validation studies for brain blood flow assessment by radioxenon tomography, Rezaei K; Kirchner PT; Armstrong C; et al, *J Nucl Med* 1988; 29: 348
- xenon/computed tomography cerebral blood flow measurements: methods and accuracy, Fatorous PP; Wist AO; Kishore PRS; et al, *Invest Radiol* 1987; 22: 705
- Cerebral blood vessels, inflammation**
- cerebral vasculitis and hemorrhage associated with phenylpropanolamine, (ab), Fallis RJ; Fisher M, *Radiology* 1986; 158: 572
- cerebral vasculitis secondary to Wegener's granulomatosis: computed tomography and angiographic findings, Yamashita Y; Takahashi M; Bussaka H; et al, *CT* 1986; 10: 115
- echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy, Teele RL; Hernandez-Schulman M; Sotrel A, *Radiology* 1988; 169: 423
- Cerebral blood vessels, MR studies**
- acute cerebral infarction in monkeys: experimental study using MR imaging, Unger EC; Gado MH; Fulling KF; Littlefield JL, *Radiology* 1987; 162: 789
- CT, MRI, and angiography of venous angiomas: a comparative study, Fontaine S; de la Sayette V; Gianfelice D; et al, *J Canad Assoc Radiol* 1987; 38: 259

- ³¹P NMR imaging of blood oxygenation in the brain, Edelberg D; Johnson G; Barnes D; et al, *Magn Res Med* 1988; 6: 344
- high field MR imaging of cerebral venous thrombosis, Macchi PJ; Grossman RI; Gomori JM; et al, *JCAT* 1986; 10: 10
- magnetic resonance imaging (MRI) in the diagnosis of cerebral arteriovenous angiomas, Schorner W; Bradac GB; Treisch J; et al, *Neuroradiol* 1986; 28: 313
- moyamoya disease: MR imaging, Fujisawa I; Asato R; Nishimura K; Togashi K; Itoh K; Noma S; Sagoh T; Minami S; Nakano Y; Yonekawa Y; Torizuka K, *Radiology* 1987; 164: 103
- MRI and cerebral venous thrombosis, Purvin V; Dunn DW; Edwards M, *Comput Radiol* 1987; 11: 75
- MR imaging of acute experimental ischemia in cats, Brant-Zawadzki M; Pereira B; Weinstein P; et al, *AJNR* 1986; 7: 7
- occult cerebral vascular malformations: high-field MR imaging, Gomori JM; Grossman RI; Goldberg HI; Hackney DB; Zimmerman RA; Bilaniuk LT, *Radiology* 1986; 158: 707
- occult cerebral vascular malformations: high-field MR imaging, Kucharczyk W; Brant-Zawadzki M, *Radiology* 1986; 161: 278
- occult cerebral vascular malformations: high-field MR imaging: reply, Gomori JM; Grossman RI, *Radiology* 1986; 161: 278
- partially thrombosed giant intracranial aneurysms: correlation of MR and pathologic findings, Atlas SW; Grossman RI; Goldberg HI; Hackney DB; Bilaniuk LT; Zimmerman RA, *Radiology* 1987; 162: 111
- PET, CT, and MR imaging in cerebrovascular disease, Heiss W-D; Herholz K; Bocher-Schwarz HG; et al, *JCAT* 1986; 10: 903
- remote metabolic effects of cerebrovascular lesions: magnetic resonance and positron tomography imaging, Pappata S; Dinh ST; Baron JC; et al, *Neuroradiol* 1987; 29: 1
- vascular intracranial lesions: applications of gradient-echo MR imaging, Atlas SW; Mark AS; Fram EK; Grossman RI, *Radiology* 1988; 169: 455
- when should GRASS be used?, Bradley WG, *Radiology* 1988; 169: 574
- Cerebral blood vessels, occlusion**
See Cerebral blood vessels, stenosis or obstruction
- Cerebral blood vessels, radionuclide studies**
acetazolamide enhancement of HIPDM brain flow distribution imaging, Burt RW; Reddy RV; Mock BM; et al, *J Nucl Med* 1986; 27: 1627
- cerebral blood flow imaging with thallium-201 diethyldithiocarbamate SPECT, van Royen EA; de Bruine JF; Hill TC; et al, *J Nucl Med* 1987; 28: 178
- changes in cerebral perfusion after acute head injury, Powe J; Thompson T; Maguire C, *Radiology* 1988; 167: 581
- changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HM-PAO SPECT, Abdel-Dayem HM; Sadek SA; Kouris K; Bahar RH; Higazi I; Eriksson S; Engleson SH; Berntman L; Sigurdsson GH; Foad M; Olivecrona H, *Radiology* 1987; 165: 221
- changes in cerebral perfusion after acute head injury: reply, Abdel-Dayem HM, *Radiology* 1988; 167: 582
- comparison of technetium-99m aminoalkyl diaminodithiol (DADT) analogs as potential brain blood flow imaging agents, Scheffel U; Goldfarb HW; Lever SZ; et al, *J Nucl Med* 1988; 29: 73
- copper(II) bis(thiosemicarbazone) complexes as potential tracers for evaluation of cerebral and myocardial blood flow with PET, Green MA; Klippenstein DL; Tension JR, *J Nucl Med* 1988; 29: 1549
- demonstration of epicranial varix with technetium-99m labeled red blood cells, Rios G; Garcia D; Prats E; et al, *Clin Nucl Med* 1987; 12: 656
- differential diagnosis in dementia using the cerebral blood flow agent ^{99m}Tc HM-PAO: a SPECT study, Gemmell HC; Sharp PF; Besson JAO; et al, *JCAT* 1987; 11: 398
- iofetine HCl I-123 brain scanning in stroke: a comparison with transmission CT, Park CH; Madsen MT; McLellan T; Schwartzman RJ, *Radiographics* 1988; 8: 305
- luxury perfusion syndrome in cerebral vascular disease evaluated with technetium-99m HM-PAO, Spreafico G; Cammelli F; Gadola G; et al, *Clin Nucl Med* 1987; 12: 217
- pitfalls of regional cerebral blood flow analysis in cerebrovascular disease, Lagreze HL; Levine RL; Sunderland JS; et al, *Clin Nucl Med* 1988; 13: 197
- positron CT imaging of an impending stroke, Itoh M; Hatazawa J; Pozzilli C; et al, *Neuroradiol* 1988; 30: 276
- quantitative local cerebral blood flow measurements with technetium-99m HM-PAO: evaluation using multiple radionuclide digital quantitative autoradiography, Lear JL, *J Nucl Med* 1988; 29: 1387
- study of regional cerebral blood flow in stroke patients using technetium 99m HMPAO, Smith FW; Donald RT; Morris AJ; et al, *Br J Radiol* 1988; 61: 358
- technetium-99m d,l-HM-PAO: new radiopharmaceutical for SPECT imaging of regional cerebral blood perfusion, Neirinx RD; Canning LR; Piper IM; et al, *J Nucl Med* 1987; 28: 191
- technetium-99m HM-PAO-SPECT study of Alzheimer's disease, Perani D; Di Piero V; Vallar G; et al, *J Nucl Med* 1988; 29: 1507
- technetium-99m HM-PAO stereoisomers as potential agents for imaging regional cerebral blood flow: human volunteer studies, Sharp PF; Smith FW; Gemmell HC; et al, *J Nucl Med* 1986; 27: 171
- Cerebral blood vessels, stenosis or obstruction**
acute cerebral infarction in monkeys: experimental study using MR imaging, Unger EC; Gado MH; Fulling KF; Littlefield JL, *Radiology* 1987; 162: 789
- acute experimental cerebral ischemia: MR enhancement using Gd-DTPA, McNamara MT; Brant-Zawadzki M; Berry I; Pereira B; Weinstein PR; Derugin N; Moore S; Kucharczyk W; Brasch RC, *Radiology* 1986; 158: 701
- acute stroke: detection of changes in cerebral perfusion with dynamic CT scanning, Shih TTF; Huang K-M, *Radiology* 1988; 169: 469
- analysis of the angiographic findings in cases of childhood moyamoya disease, Satoh S; Shibuya H; Matsushima Y; et al, *Neuroradiol* 1988; 30: 111
- arteriosclerotic ischemic cerebrovascular disease, Kricheff II, *Radiology* 1987; 162: 101
- cervical internal carotid artery dissecting hemorrhage: diagnosis using MR, Goldberg HI; Grossman RI; Gomori JM; Asbury AK; Bilaniuk LT; Zimmerman RA, *Radiology* 1986; 158: 157
- dynamic CT of cranio-cervical vascular occlusive disease, Jinkins JR, *Neuroradiol* 1988; 30: 105
- fatal systemic arterial air embolism following lung needle aspiration, Aberle DR; Gamsu G; Golden JA, *Radiology* 1987; 165: 351
- impact of computed tomography on stroke management and outcome, (ab), Hazelton AE; Earnest MP, *Radiology* 1987; 164: 294
- insufficiency of carotid and vertebral flow velocity in cerebrovascular disease: continuous wave Doppler study, Colon E; Schulte B; van Campen J, *Ultrasound Med Biol* 1987; 13: 339
- intravenous digital subtraction angiography of the precerebral and cerebral arteries in patients with TIA: a comparison with conventional angiography, Bakke SJ; Nakstad PH; Aakhus T, *Eur J Radiol* 1988; 8: 140
- iofetine HCl I-123 brain scanning in stroke: a comparison with transmission CT, Park CH; Madsen MT; McLellan T; Schwartzman RJ, *Radiographics* 1988; 8: 305
- moyamoya disease: MR imaging, Fujisawa I; Asato R; Nishimura K; Togashi K; Itoh K; Noma S; Sagoh T; Minami S; Nakano Y; Yonekawa Y; Torizuka K, *Radiology* 1987; 164: 103
- MR and CT investigation of cerebrovascular disease in sickle cell patients, El Gamal T; Adams RJ; Nichols FT; et al, *AJNR* 1986; 7: 1043
- MR imaging in "lacunar" hemiballismus, Biller J; Graff-Radford NR; Smoker WRK; et al, *JCAT* 1986; 10: 793
- MR imaging of acute experimental ischemia in cats, Brant-Zawadzki M; Pereira B; Weinstein P; et al, *AJNR* 1986; 7: 7
- remote metabolic effects of cerebrovascular lesions: magnetic resonance and positron tomography imaging, Pappata S; Dinh ST; Baron JC; et al, *Neuroradiol* 1987; 29: 1
- SPECT with N-isopropyl-p-iodoamphetamine in occlusive cerebrovascular diseases, Higa T; Tanaka T; Ikekubo K; et al, *Clin Nucl Med* 1986; 11: 855
- transcranial Doppler method in the evaluation of cerebrovascular spasm, Aaslid R; Huber P; Normes H, *Neuroradiol* 1986; 28: 11
- unilateral hyperdense middle cerebral artery: an early CT-sign of embolism or thrombosis, Schuierer G; Huk W, *Neuroradiol* 1988; 30: 120
- Cerebral blood vessels, therapeutic blockade**
coaxial balloon-catheter device for treatment of neonates and infants, Lasjaunias P; TerBrugge KG; Chiu MC, *Radiology* 1986; 159: 269
- Gianturco coil embolization of vein of Galen aneurysms: technical aspects, Hanner JS; Quisling RG; Mickle JP; Hawkins JS, *Radiographics* 1988; 8: 935
- Cerebral blood vessels, thrombosis**
computed tomography of deep cerebri venous thrombosis, Kim KS; Walczak TS, *JCAT* 1986; 10: 386
- CT of cerebral venous sinus thrombosis in a child with homocystinuria, Schwab FJ; Peyser RG; Brill CB, *Pediatr Radiol* 1987; 17: 244
- CT visualization of thrombus in cerebral artery, Granstrom P, *JCAT* 1986; 10: 541
- high field MR imaging of cerebral venous thrombosis, Macchi PJ; Grossman RI; Gomori JM; et al, *JCAT* 1986; 10: 10
- MRI and cerebral venous thrombosis, Purvin V; Dunn DW; Edwards M, *Comput Radiol* 1987; 11: 75
- role of CT and DSA in cranial sino-venous occlusion, Grossman H; St. Louis EL; Gray RR, *J Canad Assoc Radiol* 1987; 38: 183
- unilateral hyperdense middle cerebral artery: an early CT-sign of embolism or thrombosis, Schuierer G; Huk W, *Neuroradiol* 1988; 30: 120
- Cerebral blood vessels, US studies**
age dependence of the flow velocity in the basal cerebral arteries—a transcranial Doppler ultrasound study, Golimund P; Seiler RW, *Ultrasound Med Biol* 1988; 14: 191
- cerebrovascular ultrasound imaging, Grant EG; Wong W; Tessier F; et al, *Radiol Clin North Am* 1988; 26: 1111
- efficacy of EC-IC anastomoses: evaluation by directional c-w Doppler sonography, Biedert S; Winter R; Betz H; et al, *Neuroradiol* 1988; 30: 98
- failure to demonstrate a vasoconstrictive effect of vasopressin on the internal carotid and middle cerebral arteries: transcranial ultrasound Doppler study, Krapf R; Markwalder T-M; Linders HR, *Ultrasound Med Biol* 1987; 13: 131
- insufficiency of carotid and vertebral flow velocity in cerebrovascular disease: continuous wave Doppler study, Colon E; Schulte B; van Campen J, *Ultrasound Med Biol* 1987; 13: 339
- intracranial flow patterns in infants undergoing extracorporeal membrane oxygenation: preliminary observations with Doppler US, Taylor GA; Catena LM; Garin DB; Miller MK; Short BL, *Radiology* 1987; 165: 671
- primer of cerebrovascular ultrasound. part II: physical principles and duplex instrumentation, Zwiebel WJ, *Semin US CT MR* 1987; 8: 5
- primer of cerebrovascular ultrasound. part I: rationale for noninvasive cerebrovascular examination, Zwiebel WJ, *Semin US CT MR* 1987; 8: 2
- regional cerebral blood velocity in infants: a real-time transcranial and fontanelle pulsed Doppler study, Raju TNK; Zikos E, *J Ultrasound Med* 1987; 6: 497

- transcranial Doppler sonography, examination technique and normal reference values, Arnolds BJ; von Reutern G-M, *Ultrasound Med Biol* 1986; 12: 115
- transcranial measurement of blood velocities in the basal cerebral arteries using pulsed Doppler ultrasound: method of assessing the circle of Willis, Padayachee TS; Kirkham FJ; Lewis RR; et al, *Ultrasound Med Biol* 1986; 12: 5
- Cerebral blood vessels, varices**
- cerebral varix associated with a venous angioma, Dross P; Raji MR; Dastur KJ, *AJNR* 1987; 8: 373
- demonstration of epicranial varix with technetium-99m labeled red blood cells, Rios G; Garcia D; Prats E; et al, *Clin Nucl Med* 1987; 12: 656
- isolated cerebral varix of superficial cortical vein: CT demonstration, Tanohata K; Maehara T; Noda M; et al, *JCAT* 1986; 10: 1073
- Cerebral infarction**
- See Brain, infarction
- Cerebral palsy**
- hip changes in spastic cerebral palsy, Sauser DD; Hewes RC; Root L, *AJR* 1986; 146: 1219
- neonatal neurosonographic correlates of cerebral palsy in preterm infants, (ab), Graziani LJ; Pasto ME; Stanley C; et al, *Radiology* 1987; 162: 591
- periventricular leukomalacia: radiologic diagnosis, Flodmark O; Roland EH; Hill A; Whitfield MF, *Radiology* 1987; 162: 119
- use of computed tomography scan in unstable hip reconstruction, Horstmann H; Mahboubi S, *CT* 1987; 11: 364
- Cerebrospinal fluid**
- diagnostic contribution of routine cerebrospinal fluid analysis during myelography, Kuuliala IK; Goransson HJ, *Clin Radiol* 1987; 38: 169
- diatrizoate levels in cerebrospinal fluid following intravenous administration: role of fluid production rate, Harnish FP; Northington FK; Samuel KA, *Invest Radiol* 1988; 23: 377
- diminished cerebrospinal fluid beta-endorphin concentration in monkeys with arachnoiditis, Lipman BT; Houghton VM, *Invest Radiol* 1988; 23: 190
- nonplanimetric technique for measuring fluid volumes using MR imaging—phantom results, Malko JA; McClees EC; Braun IF; et al, *AJNR* 1987; 8: 267
- Cerebrospinal fluid, CT**
- computer-interactive method for quantifying cerebrospinal fluid and tissue in brain CT scans: effects of aging, Pfefferbaum A; Zatz LM; Jernigan TL, *JCAT* 1986; 10: 571
- fully-automated computer-assisted method of CT brain scan analysis for the measurement of cerebrospinal fluid spaces and brain absorption density, Baldy RE; Brindley GS; Ewusi-Mensah I; et al, *Neuroradiol* 1986; 28: 109
- radionuclide cisternography and computed tomography in 30 healthy volunteers, Bergstrand G; Oxenstierna G; Flyckt L; et al, *Neuroradiol* 1986; 28: 154
- Cerebrospinal fluid, flow dynamics**
- aqueductal stenosis: evaluation with gradient-echo rapid MR imaging, Atlas SW; Mark AS; Fram EK, *Radiology* 1988; 169: 449
- cerebrospinal fluid pulsation: benefits and pitfalls in MR imaging, Enzmann DR; Rubin JB; DeLaPaz R; Wright A, *Radiology* 1986; 161: 773
- changes in size and magnetic resonance signal intensity of the cerebral CSF spaces during the cardiac cycle as studied by gated, high-resolution magnetic resonance imaging, Mark AS; Feinberg DA; Brant; Zawadzki MN, *Invest Radiol* 1987; 22: 290
- demonstration of pulsatile cerebrospinal-fluid flow using magnetic resonance phase imaging, Ridgway JP; Turnbull LW; Smith MA, *Br J Radiol* 1987; 60: 423
- effect of lumbar puncture on flow of cerebrospinal fluid, Lipman B; Palmer D; Noble J; et al, *Invest Radiol* 1988; 23: 359
- fast imaging of CSF flow/motion patterns using steady-state free precession (SSFP), Jolesz FA; Patz S; Hawkes RC; et al, *Invest Radiol* 1987; 22: 761
- flowing cerebrospinal fluid in normal and hydrocephalic states: appearance on MR images, Bradley WG Jr; Kortman KE; Burgoyne B, *Radiology* 1986; 159: 611
- harmonic modulation of proton MR precessional phase by pulsatile motion: origin of spinal CSF flow phenomena, Rubin JB; Enzmann DR, *AJNR* 1987; 8: 307
- human brain motion and cerebrospinal fluid circulation demonstrated with MR velocity imaging, Feinberg DA; Mark AS, *Radiology* 1987; 163: 793
- lumbar spine: motion compensation for cerebrospinal fluid on MR imaging, Rubin JB; Wright A; Enzmann DR, *Radiology* 1988; 167: 225
- MR appearance of CSF flow in patients with ventriculomegaly, Sherman JL; Citrin CM; Gangarosa RE; et al, *AJNR* 1986; 7: 1025
- MR demonstration of altered cerebrospinal fluid flow by obstructive lesions, Sherman JL; Citrin CM; Bowen BJ; et al, *AJNR* 1986; 7: 571
- physiology of the CSF flow-void sign: modification by cardiac gating, Citrin CM; Sherman JL; Gangarosa RE; et al, *AJNR* 1986; 7: 1021
- study of cerebrospinal fluid dynamics by MRI of intravoxel incoherent motions (IVIM), Le Bihan D; Breton E; Aubin ML; et al, *J Neuroradiol* 1987; 14: 388
- suprasellar arachnoid cysts: 2. evaluation of CSF dynamics, Gentry LR; Menezes AH; Turski PA; et al, *AJNR* 1986; 7: 87
- when should GRASS be used?, Bradley WG, *Radiology* 1988; 169: 574
- Cerebrospinal fluid, leakage**
- cerebrospinal fluid rhinorrhea: depiction with MR cisternography in dogs, Di Chiro G; Gorton ME; Frank JA; Dietz MJ; Gansow OA; Wright DC; Dwyer AJ, *Radiology* 1986; 160: 221
- head-hanging CT: alternative method for evaluating traumatic CSF rhinorrhea, Rothfus WE; Deeb ZL; Daffner RH; et al, *AJNR* 1987; 8: 155
- intermittent cerebrospinal liquororrhea: cerebral computed tomography in the non-drop period, Fagerlund M; Liliequist B, *Acta Radiol* 1987; 28: 189
- prenatal diagnosis of subdural hygroma, Ghidini A; Vergani P; Sirtori M; et al, *J Ultrasound Med* 1987; 6: 463
- rhinorrhea and meningitis due to post-traumatic osteo-meningeal defects in the anterior cranial fossa: diagnosis with water-soluble CT cisternography, Preere J; Puech JL; Derover N; et al, *J Neuroradiol* 1986; 13: 278
- Cerebrospinal fluid, MR studies**
- aqueductal stenosis: evaluation with gradient-echo rapid MR imaging, Atlas SW; Mark AS; Fram EK, *Radiology* 1988; 169: 449
- cerebrospinal fluid: detection of tumors and disk herniations with MR spectroscopy, Koschorek F; Gremmel H; Stelten J; Offermann W; Leibfritz D, *Radiology* 1988; 167: 813
- cerebrospinal fluid-iodophendylate contrast on gradient-echo MR images, Jack CR Jr; Gehring DG; Ehman RL; Feinlee JP, *Radiology* 1988; 169: 561
- cerebrospinal fluid pulsation: benefits and pitfalls in MR imaging, Enzmann DR; Rubin JB; DeLaPaz R; Wright A, *Radiology* 1986; 161: 773
- cerebrospinal fluid rhinorrhea: depiction with MR cisternography in dogs, Di Chiro G; Gorton ME; Frank JA; Dietz MJ; Gansow OA; Wright DC; Dwyer AJ, *Radiology* 1986; 160: 221
- cervical spine MR imaging: generating high-signal CSF in sagittal and axial images, Enzmann DR; Rubin JB; Wright A, *Radiology* 1987; 163: 233
- CSF-gated MR imaging of the spine: theory and clinical implementation, Rubin JB; Enzmann DR; Wright A, *Radiology* 1987; 163: 784
- CSF pulsations within nonneoplastic spinal cord cysts, Enzmann DR; O'Donohue J; Rubin JB; et al, *AJNR* 1987; 8: 517
- CSF signal enhancement in short TR gradient echo images, Perkins TG; Wehrli FW, *Magn Res Imag* 1986; 4: 465
- demonstration of pulsatile cerebrospinal-fluid flow using magnetic resonance phase imaging, Ridgway JP; Turnbull LW; Smith MA, *Br J Radiol* 1987; 60: 423
- fast imaging of CSF flow/motion patterns using steady-state free precession (SSFP), Jolesz FA; Patz S; Hawkes RC; et al, *Invest Radiol* 1987; 22: 761
- fast three-dimensional imaging of cerebrospinal fluid, Hennig J; Friedburg H; Ott D, *Magn Res Med* 1987; 5: 380
- flowing cerebrospinal fluid in normal and hydrocephalic states: appearance on MR images, Bradley WG Jr; Kortman KE; Burgoyne B, *Radiology* 1986; 159: 611
- flow phenomena in MR imaging, Bradley WG Jr, *AJR* 1988; 150: 983
- harmonic modulation of proton MR precessional phase by pulsatile motion: origin of spinal CSF flow phenomena, Rubin JB; Enzmann DR, *AJNR* 1987; 8: 307
- human brain motion and cerebrospinal fluid circulation demonstrated with MR velocity imaging, Feinberg DA; Mark AS, *Radiology* 1987; 163: 793
- imaging of spinal CSF pulsation by 2DFT MR: significance during clinical imaging, Rubin JB; Enzmann DR, *AJNR* 1987; 8: 297
- intrathecal administration of nitroxides as potential contrast agents for MR imaging, Rosen GM; Griffith LK; Brown MA; Drayer BP, *Radiology* 1987; 163: 239
- is cranial CSF volume under hormonal influence? an MR study, Grant R; Condon B; Lawrence A; et al, *JCAT* 1988; 12: 36
- lumbar spine: motion compensation for cerebrospinal fluid on MR imaging, Rubin JB; Wright A; Enzmann DR, *Radiology* 1988; 167: 225
- magnetic resonance demonstration of normal CSF flow, Sherman JL; Citrin CM, *AJNR* 1986; 7: 3
- MR appearance of CSF flow in patients with ventriculomegaly, Sherman JL; Citrin CM; Gangarosa RE; et al, *AJNR* 1986; 7: 1025
- MR appearance of CSF pulsations in the spinal canal, Sherman JL; Citrin CM; Gangarosa RE; et al, *AJNR* 1986; 7: 879
- MR demonstration of altered cerebrospinal fluid flow by obstructive lesions, Sherman JL; Citrin CM; Bowen BJ; et al, *AJNR* 1986; 7: 571
- MRI of pulsatile CSF motion within arachnoid cysts, Brooks ML; Jolesz FA; Patz S, *Magn Res Imag* 1988; 6: 575
- MR of CSF flow phenomenon mimicking basilar artery aneurysm, Burt TB, *AJNR* 1987; 8: 55
- MR relaxation times of cerebrospinal fluid, Condon BR; Patterson J; Jenkins A; et al, *JCAT* 1987; 11: 203
- multiphasic MR imaging: new method for direct imaging of pulsatile CSF flow, Edelman RR; Wedeen VJ; Davis KR; Widder D; Hahn PF; Shoukimas GM; Brady TJ, *Radiology* 1986; 161: 779
- multiple field strength *in vivo* T₁ and T₂ for cerebrospinal fluid protons, Hopkins AL; Yeung HN; Bratton CB, *Magn Res Med* 1986; 3: 303
- nonplanimetric technique for measuring fluid volumes using MR imaging—phantom results, Malko JA; McClees EC; Braun IF; et al, *AJNR* 1987; 8: 267
- optimal visualization of the cerebrospinal fluid on MRI, Ortendahl DA; Posin JP; Hyton NM; et al, *AJNR* 1986; 7: 403
- optimizing conventional MR imaging of the spine, Rubin JB; Enzmann DR, *Radiology* 1987; 163: 777
- phantom study of intracranial CSF signal loss due to pulsatile motion, Malko JA; Hoffman JC Jr; McClees EC; et al, *AJNR* 1988; 9: 83
- physiology of the CSF flow-void sign: modification by cardiac gating, Citrin CM; Sherman JL; Gangarosa RE; et al, *AJNR* 1986; 7: 1021
- quantitative index of ventricular and extraventricular intracranial CSF volumes using MR imaging, Condon BR; Patterson J; Wyper D; et al, *JCAT* 1987; 11: 784
- study of cerebrospinal fluid dynamics by MRI of intravoxel incoherent motions (IVIM), Le Bihan D; Breton E; Aubin ML; et al, *J Neuroradiol* 1987; 14: 388
- temporal physicochemical changes during *in vitro* relaxation time measurements: the cerebrospinal fluid, Grant R; Condon B; Moyns S; et al, *Magn Res Med* 1988; 6: 397

- use of cerebrospinal fluid gating to improve T2-weighted images. part I. the spinal cord. Enzmann DR; Rubin JB; Wright A. *Radiology* 1987; 162: 763
 - use of cerebrospinal fluid gating to improve T2-weighted images. part II. temporal lobes, basal ganglia, and brain stem. Enzmann DR; Rubin JB; O'Donohue J; Griffin C; Drace J; Wright A. *Radiology* 1987; 162: 768
 - when should GRASS be used? Bradley WG. *Radiology* 1988; 169: 574
- Cerebrospinal fluid, radionuclide studies**
- aberrant cerebrospinal fluid pathway: detection by scintigraphy. Gupta SM; Frias J; Garg A; et al. *Clin Nucl Med* 1986; 11: 593
- Ceruletide**
- bile duct measurements after ceruletide as an aid to the ultrasound diagnosis of cholelithiasis. Mendelson RM; Tobin MV; Gilmore IT. *Gastrointest Radiol* 1988; 13: 41
 - utility of ceruletide in promoting intestinal opacification for abdominal and pelvic computed tomography. Demas BE; McCarthy SM; Moss AA; et al. *Gastrointest Radiol* 1986; 11: 197
- Cervix**
- See Uterine neoplasms; Uterus
- Cesium, radioactive**
- radioactive iodine and cesium in travellers to different parts of Europe after the Chernobyl accident. Stenke L; Axelsson B; Ekman M; et al. *Acta Oncol* 1987; 26: 207
 - template-guided interstitial implants: Cs-137 reusable sources as a substitute for Ir-192. Williamson JF; Semmoff T. *Radiology* 1987; 165: 265
- Chemodectoma**
- See Paraganglioma
- Chemotherapy**
- accelerated radiotherapy followed by chemotherapy for locally recurrent small-cell carcinoma of the lung. phase II study of cancer and leukemia group B. Choi NC; Probert K; Carey R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 263
 - acute and late toxicity associated with sequential bleomycin-containing chemotherapy regimens and radiation therapy in the treatment of carcinoma of the nasopharynx. Peters LJ; Harrison ML; Dimery IW; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 623
 - adenocarcinoma of the alimentary tract: peritoneal distribution scintigraphy. Arnstein NB; Wahl RL; Cochran M; Gyves J. *Radiology* 1987; 162: 439
 - adjuvant chemotherapy to radical radiation therapy in the treatment of advanced nasopharyngeal carcinoma. Teo P; Ho JHC; Choy D; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 679
 - adjuvant role of two cycles of MOPP and low-dose lung irradiation in stage IA through IIB Hodgkin's disease: preliminary results. Fuller LM; Hagemister FB; North LB; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 683
 - adriamycin resistance, heat resistance and radiation response in Chinese hamster fibroblasts. Wallner K; Li GC. *Int J Radiat Oncol Biol Phys* 1986; 12: 829
 - angiographic response of osteosarcoma following pre-operative chemotherapy. Kumpan W; Lechner G; Wittich GR; et al. *Skeletal Radiol* 1986; 15: 96
 - artefactual results with CHIP perhydrate. Smith E; Nias AHW. *Br J Radiol* 1986; 59: 189
 - benign intracranial hypertension during chemotherapy for testicular teratoma. Marsh LF; Morgan DAL; Jefferson D. *Br J Radiol* 1988; 61: 692
 - bleomycin, methotrexate and vincristine before irradiation of stage III and IV laryngeal and pharyngeal squamous cell carcinoma. Hansen HS; Rygaard J; Andersen AP; et al. *Acta Oncol* 1987; 26: 13
 - carbamoylation, inhibition of glutathione reductase and chemopotentiation of nitrosoureas by misonidazole. Mulcahy RT. *Int J Radiat Oncol Biol Phys* 1986; 12: 1393
 - chemoembolization of malignant facial tumours: a preliminary study in 47 patients. Tournade A; Courthoux P; Tajahmady T; et al. *J Neurosurg* 1987; 14: 125
 - chemo/radiation with and without surgery in the thoracic esophagus: the Wayne State experience. Herskovic A; Leichman L; Lattin P; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 655
 - chemosensitization by buthionine sulfoximine *in vivo*. Tsutsui K; Komuro C; Ono K; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1183
 - chemosensitization by monofunctional alkylating agents. Walling JM; Stratford IJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 1397
 - chemotherapy in patients who fail radiotherapy for diffuse aggressive non-Hodgkin's lymphoma. Armitage JO; Wen B-C. *Int J Radiat Oncol Biol Phys* 1987; 13: 1351
 - chimiotherapie intra-arterielle par le cisplatine et la cytarabine apres rupture temporaire de la barriere hemato-encephalique dans le traitement des gliomes malins de l'adulte (intra-arterial chemotherapy by cisplatin and cytarabine after temporary disruption of the blood-brain barrier). Fauchon F; Chiras J; Poisson M; et al. *J Neurosurg* 1986; 13: 151
 - cisplatin as second line chemotherapy in advanced or recurrent squamous cell carcinoma of head and neck region. Keldsen N. *Acta Oncol* 1987; 26: 357
 - clinical phase I toxicity study of Ro 03-8799: plasma, urine, tumour and normal brain pharmacokinetics. Roberts JT; Bleehen NM; Walton MI; et al. *Br J Radiol* 1986; 59: 107
 - combination chemotherapy prior to radical radiotherapy for stage III and IV carcinoma of the cervix. Symonds RP; Habeshaw T; Watson ER; et al. *Clin Radiol* 1987; 38: 273
 - combined chemoradiotherapy in limited-disease, inoperable non-small cell lung cancer. Umasawadi T; Valdivieso M; Barkley HT Jr; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 43
 - combined modality treatment for stage I-II non-Hodgkin's lymphomas: CVP versus BACOP chemotherapy. Bajetta E; Valagussa P; Bonadonna G; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 3
 - combined radiotherapy and chemotherapy for advanced carcinoma of the cervix. Blake PR; Branson AN; Lambert HE. *Clin Radiol* 1986; 37: 465
 - combined treatment of radiation and cis-diamminedichloroplatinum (II): review of experimental and clinical data. Dewitt L. *Int J Radiat Oncol Biol Phys* 1987; 13: 403
 - computed tomography of the liver after dearterialization and intraarterial chemotherapy. Keramati B; Whitley NO; Didolkar MS; et al. *Clin Radiol* 1986; 37: 303
 - conservative breast cancer treatment: analysis of cosmetic results and the role of concomitant adjuvant chemotherapy. Borger JH; Keijser AH. *Int J Radiat Oncol Biol Phys* 1987; 13: 1173
 - cross-link formation and chemopotentiation of EMT-6/Ro cells exposed to MISO after CCNU treatment *in vitro*. Mulcahy RT. *Int J Radiat Oncol Biol Phys* 1986; 12: 1389
 - cytogenetic interactions of contrast media and antineoplastic drugs. Parvez Z; Moncada R; Gragasin M. *Invest Radiol* 1988; 23: 389
 - cytotoxic treatment in patients with malignant carcinoid tumors: response to streptozocin—alone or in combination with 5-FU. Oberg K; Norheim I; Lundqvist G; et al. *Acta Oncol* 1987; 26: 429
 - differential reduction by caffeine of adriamycin induced cell killing and cell cycle delays in Chinese hamster V79 cells. Iliakis G; Nussle M; Ganapathi R; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1987
 - drug resistance in human lung cancer cell lines: cross-resistance studies and effects of the calcium transport blocker, verapamil. Twyman PR; Fox NE; Bleehen NM. *Int J Radiat Oncol Biol Phys* 1986; 12: 1355
 - DSA evaluation of surgically implantable Infusaid pump-catheter systems. Sanchez FW; Chuang VP; Murray DR; et al. *AJR* 1986; 146: 839
 - effect of chemotherapy on osteosarcoma of the extremities as apparent from conventional roentgenograms. den Heeten GJ; Thijn CJP; Kamps WA; et al. *Pediatr Radiol* 1986; 16: 407
 - effect of cisplatin resistance on cellular radiation response. Wallner KE; Li GC. *Int J Radiat Oncol Biol Phys* 1987; 13: 587
 - effect of combined modality therapy on local control and survival. DeVita VT; Lippman M; Hubbard SM; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 487
 - effect of methotrexate on perfusion and nitrogen-13 glutamate uptake in the Walker-256 carcinosarcoma. Knapp WH; Panzer M; Helus F; et al. *J Nucl Med* 1988; 29: 208
 - effect of portal blood flow and intra-arterially injected starch microspheres on the passage of a labelled tracer through the liver: an experimental study in pigs. Starkhammar H; Hakansson L; Sjodahl R; et al. *Acta Oncol* 1987; 26: 217
 - effect of pre- or post-treatment with a calmodulin inhibitor (trifluoperazine) on the response to cytotoxic agents of cells within small EMT6/Ca/VJAC spheroids. Kwok TT; Twyman PR. *Int J Radiat Oncol Biol Phys* 1986; 12: 1359
 - effect of starch microspheres on the passage of labelled erythrocytes and a low molecular weight marker through the liver. Starkhammar H; Hakansson L. *Acta Oncol* 1987; 26: 361
 - effects of glutathione depletion by buthionine sulfoximine on the sensitivity of EMT6/SF cells to chemotherapy agents or x radiation. Shrieve DC; Harris JW. *Int J Radiat Oncol Biol Phys* 1986; 12: 1171
 - effects of purine nucleoside analogs on the response of the RIF-1 tumor to melphalan *in vivo*. Horsman MR; Brown DM; Hirst DG; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 801
 - efficacy of combined chemotherapy and radiotherapy in advanced non-metastatic breast cancer. Boyages J; Langlands AO. *Int J Radiat Oncol Biol Phys* 1988; 14: 71
 - enhanced x ray sensitivity of human colon tumor cells by combination of N-methylformamide with chemotherapeutic agents. Leith JT; Lee ES; Leite DV; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1425
 - enhancement of EMT6/SF tumor cell killing by mitomycin C and cyclophosphamide following *in vivo* administration of buthionine sulfoximine. Ono K; Shrieve DC. *Int J Radiat Oncol Biol Phys* 1986; 12: 1175
 - enhancement of radiation-induced cell kill by platinum complexes (carboplatin and iproplatin) in V79 cells. O'Hara JA; Douple EB; Richmond RC. *Int J Radiat Oncol Biol Phys* 1986; 12: 1419
 - Ewing's sarcoma: trial of adjuvant chemotherapy and sequential half-body irradiation. Berry MP; Jenkin RDT; Harwood AR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 19
 - exclusion of an interactive effect of combined x-irradiation and activated cyclophosphamide in tissue culture. Byfield JE; Lynch M; Kulhanian F. *Int J Radiat Oncol Biol Phys* 1986; 12: 1441
 - experimental evaluation of microcapsules for arterial chemoembolization. Bechtel W; Wright KC; Wallace S; Mosier D; Mir S; Kudo S. *Radiology* 1986; 161: 601
 - extremity preservation by combined modality treatment of sarcomas of the hand and wrist. Okunieff P; Suit H; Proppe KH. *Int J Radiat Oncol Biol Phys* 1986; 12: 1923
 - glioblastoma: catheter techniques for isolated chemotherapy perfusion. Doppman JL; Dedrick RL; Shook DR; Lutz R; Goldstein SR; Blacklock JB; Boretos JW; Paul RH; Austin HA III; Bowman RL; Oldfield EH. *Radiology* 1986; 159: 477
 - glutathione levels and cytotoxicity of a thiol activated alkylating agent in human and mouse cells. Geard CR; Georgsson MA. *Int J Radiat Oncol Biol Phys* 1986; 12: 1179
 - gynecology: combined radiotherapy and chemotherapy in gynecologic oncology. Brady LW; Markoe AM; DeEulis T; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: S203
 - heat, drugs, and radiation given in combination is palliative for unresectable esophageal cancer. Kai H; Matsufuji H; Okudaira Y; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1147

- hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy. Charnsangavej C; Carrasco CH; Wallace S; Richi W; Haynie TP. *Radiology* 1987; 165: 71
- hepatocellular carcinoma: treatment with intraarterial iodized oil with and without chemotherapeutic agents. Takayasu K; Shima Y; Muramatsu Y; Moriyama Y; Yamada T; Makuuchi M; Hasegawa H; Hirohashi S. *Radiology* 1987; 163: 345
- human pharmacokinetics of WR-2721. Shaw LM; Turrill AT; Glover DJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1501
- identification of a reactive glutathione conjugate as a metabolite of SR-2508 in CHO cells. Varghese AJ; Whitmore GF. *Int J Radiat Oncol Biol Phys* 1986; 12: 1223
- improved local control of thoracic disease in small cell lung cancer with higher dose thoracic irradiation and cyclic chemotherapy. Papac RJ; Son Y; Bien R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 993
- increased CT density of the liver due to cis-diaminedichloro platinum (II). Aihara T; Fujioka M; Yamamoto K. *Pediatr Radiol* 1987; 17: 75
- inhibition of the protective effect of cyclophosphamide by pre-treatment with buthionine sulfoximine. Carmichael J; Friedman N; Tochner Z; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1191
- initial chemotherapy and low-dose radiation in limited fields in childhood Hodgkin's disease: results of a joint cooperative study by the French Society of Pediatric Oncology (SFOP) and Hôpital Saint-Louis, Paris. Dionet C; Oberlin O; Habrand JL; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 341
- integration of chemotherapy into the combined modality therapy of head and neck squamous cancer. Taylor SG IV. *Int J Radiat Oncol Biol Phys* 1987; 13: 779
- interactions of radiation, cyclophosphamide and nimorazole in a C3H mammary carcinoma in vivo. Zachariae C; Overgaard J. *Int J Radiat Oncol Biol Phys* 1986; 12: 1445
- intercalator-induced, topoisomerase II-mediated DNA cleavage and its modification by antineoplastic antimetabolites. Zwelling LA; Silberman L; Estey E. *Int J Radiat Oncol Biol Phys* 1986; 12: 1041
- intraarterial chemotherapy of head and neck tumors. Lee Y-Y; Wallace S; Dimery I; et al. *AJNR* 1986; 7: 343
- intra-arterial chemotherapy of malignant gliomas. Chiras J; Dormont D; Fauchon F; et al. *J Neurosurg* 1988; 15: 31
- intraarterial doxorubicin infusion treatment with and without occlusion of the renal artery in rabbit renal VX-2 carcinoma: establishing an animal model. Gadeholt G; Göthlin JH. *Acta Radiol* 1987; 28: 467
- in vivo modulation of glutathione by buthionine sulfoximine: effect on marrow response to melphalan. Russo A; Tochner Z; Phillips T; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1187
- iodized oil in the portal vein after arterial embolization. Nakamura H; Hashimoto T; Oi H; Sawada S. *Radiology* 1988; 167: 415
- microscale synthesis of nitrogen-13-labeled cisplatin. De Spiegeler B; Slegers G; Vandecasteele C; et al. *J Nucl Med* 1986; 27: 399
- nasopharyngeal carcinoma: result of treatment with cis-diaminedichloroplatinum II, 5 fluorouracil, and radiation therapy. Aichartakarn V; Kraiphobul P; Chongsuek P; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 461
- nasopharyngeal carcinoma: review of cases treated by radiotherapy and chemotherapy. Khoury GG; Paterson ICM. *Clin Radiol* 1987; 38: 17
- [¹³N]cisplatin PET to assess pharmacokinetics of intra-arterial versus intravenous chemotherapy for malignant brain tumors. Ginos JZ; Cooper AJL; Dhawan V; et al. *J Nucl Med* 1987; 28: 1844
- neurologic complications of pelvic intraarterial chemoembolization performed with collagen material and cisplatin. Quinn SF; Frau DM; Saff GN; Kavanagh J; Roberts W; Cavanagh D; Clark RA. *Radiology* 1988; 167: 55
- non-small cell lung cancer: how oncologists want to be treated. Mackillop WJ; O'Sullivan B; Ward GK. *Int J Radiat Oncol Biol Phys* 1987; 13: 929
- non-surgical repositioning of central venous catheters. Lois JF; Gomes AS; Pusey E. *Radiology* 1987; 165: 329
- non-surgical repositioning of central venous catheters. Hartnell GG; Wilde PH. *Radiology* 1988; 168: 581
- oral fluorouracil versus intravenous 5-fluorouracil: a comparative study in patients with colorectal cancer. Andersen E; Pedersen H. *Acta Oncol* 1987; 26: 433
- ovarian carcinoma: results of radiation therapy and chemotherapy in 83 patients. Shehata WM; Meyer RL; Cormier WJ; Jazy FK. *Radiology* 1987; 163: 539
- phase II study of CCNU with benznidazole for metastatic malignant melanoma. Bleeher NM; Roberts JT; Newman HFV. *Int J Radiat Oncol Biol Phys* 1986; 12: 1401
- phase II trial of misonidazole (MISO) and cyclophosphamide (CYC) in metastatic renal cell carcinoma. Glover D; Trump D; Kvols L; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1405
- phase I/II trials of WR-2721 and cis-platinum. Glover D; Glick JH; Weiler C; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1509
- potentiation of CCNU toxicity by AF-2 in V79 spheroids: implications for mechanisms of chemosensitization. Durand RE; Olive PL. *Int J Radiat Oncol Biol Phys* 1986; 12: 1375
- potentiation of chemotherapy cytotoxicity following iododeoxyuridine incorporation in Chinese hamster cells. Russo A; DeGraff W; Kinsella TJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1371
- potentiation of combination chemotherapy by nitroheterocyclics. Siemann DW; Allalunis-Turner MJ. *Int J Radiat Oncol Biol Phys* 1988; 15: 129
- potentiation of nitrogen mustard cytotoxicity to leukemia cells by sulfur-containing compounds administered in vivo. Valeriote F; Grates HE. *Int J Radiat Oncol Biol Phys* 1986; 12: 1165
- preliminary results of alternating combination chemotherapy (CT) and hyperfractionated radiotherapy (HART) in advanced rhabdomyosarcoma (RMS). Mandell LR; Ghavimi F; Exelby P; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 197
- preoperative radiation and chemotherapy for localized squamous cell carcinoma of the esophagus: a RTG study. Seydel HG; Leichman L; Byhardt R; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 33
- preoperative treatment of squamous cell carcinoma of the lung with mitomycin-C in the bronchial artery. Ekholm SE; Dahlback O; Tylen U. *Eur J Radiol* 1986; 6: 9
- pre-radiation chemotherapy for infants and poor prognosis children with medulloblastoma. Loeffler JS; Kretschmar CS; Sallan SE; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 177
- prognostic indicators in diffuse large-cell (histiocytic) lymphoma. Todd MB; Portlock CS; Farber LR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 593
- protective effects of 2-[(aminopropyl)amino] ethanethiol against bleomycin and nitrogen mustard-induced mutagenicity in V79 cells. Nagy B; Grdina DJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 1475
- radiation—chemotherapy interactions. Trott K-R. *Int J Radiat Oncol Biol Phys* 1986; 12: 1409
- radiotherapy and cis-diamine dichloroplatinum (II) as a combined treatment modality for inoperable non-small cell lung cancer: dose finding study. Schaafe-Koning C; Bartelink H; Adema BJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 379
- radiotherapy for the prevention of local-regional recurrence in high risk patients post mastectomy receiving adjuvant chemotherapy. Fowble B; Glick J; Goodman R. *Int J Radiat Oncol Biol Phys* 1988; 15: 627
- randomized study of adjuvant chemotherapy for cancer of the upper aerodigestive tract. Kun LE; Toohill RJ; Holroye PY; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 173
- reductive metabolism and hypoxia-selective toxicity of nitracrine. Wilson WR; Denny WA; Stewart GM; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1235
- regional infusion for colorectal hepatic metastases: a randomized trial comparing the hepatic artery with the portal vein. (ab). Daly JM; Kemeny N; Sigurdson E; et al. *Radiology* 1988; 167: 290
- regression of osteoblastic metastases from carcinoma of the prostate following therapy with tamoxifen. Amin R. *Br J Radiol* 1986; 59: 703
- renal irradiation and the pharmacology and toxicity of methotrexate and cisplatin. Moulder JE; Holcberg JS; Kamen BA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1415
- residual cavities of lung metastases following chemotherapy. Kier R; Godwin JD. *Comput Radiol* 1986; 10: 293
- residual masses after successful chemotherapy for testicular carcinoma. Glowalla M. *AJR* 1986; 146: 1184
- resolution of a photopenic lesion on bone imaging following chemotherapy for metastatic disease. Rosen JM; MacLaughlin WW; Jaffe RM. *Clin Nucl Med* 1987; 12: 552
- response of colo-rectal hepatic metastases to concomitant radiotherapy and intravenous infusion 5 fluorouracil. Kotman M; Kuruvilla AM; Choi K; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2179
- roles of intracellular glutathione in antineoplastic chemotherapy. Russo A; Carmichael J; Friedman N; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1347
- selective delivery of chemotherapeutic agents with a new catheter system. Wolpert SM; Kwan ESK; Heros D; Kandon DL; Hedges TR III. *Radiology* 1988; 166: 547
- sequential chemo-radiotherapy in locally advanced squamous cell carcinoma of the head and neck. Wendt TG; Chucholowski M; Hartenstein R; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 397
- sequential chemotherapy, surgery and radiotherapy in locally advanced breast cancer. Campbell IR; Green JA; Errington RD; et al. *Clin Radiol* 1988; 39: 442
- simultaneous chemotherapy-radiotherapy with prophylactic cranial irradiation for inoperable adeno and large cell lung carcinoma: a Southwest Oncology Group study. Mira JG; Taylor SL; Stephens RL; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 757
- solid tumor models for the assessment of different treatment modalities: XXVI. estimates of cell survival from tumor growth delay after alternating radiotherapy and chemotherapy. Hopkins HA; Looney WB. *Int J Radiat Oncol Biol Phys* 1987; 13: 217
- sonography of cyclophosphamide hemorrhagic cystitis: a report of two cases. Suzuki T; Yasumoto M; Shibuya H; et al. *JCU* 1988; 16: 183
- SPECT evaluation of arterial perfusion in regional chemotherapy. Butler SF; Bailey DL; McLaughlin AF; et al. *J Nucl Med* 1988; 29: 593
- SR-4233: new bioreductive agent with high selective toxicity for hypoxic mammalian cells. Zeman EM; Brown JM; Lemmon MJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1239
- supersensitive cerebral arterial infusion of BCNU in high-grade glioma: the radiologist's point of view. Fontaine S; Théron J; Melanson D; et al. *J Canad Assoc Radiol* 1988; 39: 178
- superselective intracerebral chemotherapy of malignant tumours with BCNU: neuroanatomical considerations. Theron J; Villemure JG; Worthington C; et al. *Neurosurg* 1986; 28: 118
- surgery, chemotherapy and whole abdominal radiotherapy in the management of advanced ovarian carcinoma. Rustin GJS; Minton M; Southcott B; et al. *Clin Radiol* 1987; 38: 269
- technetium-99m macroaggregates for the study of the distribution of arterial infusion chemotherapy in the liver. Lubin E; Cyjon A; Neuman M. *Clin Nucl Med* 1987; 12: 385

thermochemotherapy (combined cyclophosphamide and hyperthermia) with or without hyperglycemia as an adjuvant to radiotherapy. Urano M; Kahn J; Kenton LA. *Int J Radiat Oncol Biol Phys* 1986; 12: 45

thyroid lymphomas stages IE and IIE: comparative results for radiotherapy only, combination chemotherapy only, and multimodality treatment. Vigliotti A; Kong JS; Fuller LM; et al. *Int J Radiat Oncol Biol Phys* 1987; 12: 1807

tolerance of radiotherapy combined with adjuvant chemotherapy in breast cancer. Hrafnkelsson J; Nilsson K; Söderberg M. *Acta Oncol* 1987; 26: 269

transitional cell carcinoma of the urinary bladder: histologic clearance with combined 5-FU chemotherapy and radiation therapy. preliminary results of a bladder-preservation study. Russell KJ; Boileau MA; Iretton RC; Higano CS; Collins C; Koh W-J; Griffin BR; Chapman WH; Griffin TW. *Radiology* 1988; 167: 845

treatment of advanced head and neck cancer with concomitant radiation and chemotherapy. Murthy AK; Taylor SG; Showel J; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1807

treatment of advanced stage ovarian carcinoma with a combination of chemotherapy, radiotherapy, and radiosensitizer: report of a pilot study from the National Cancer Institute. Lichter AS; Ozols RF; Myers CC; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1225

treatment of lung cancer with bronchial artery infusion of cisplatin and intravenous sodium thiosulfate rescue. Uchiyama N; Kobayashi H; Nakajo M; et al. *Acta Oncol* 1988; 27: 57

treatment of stages II, III and IV primary surface epithelial ovarian cancers by maximum bulk tumour reduction and combined chemotherapy with cyclophosphamide, doxorubicin and cisplatin. Khanna S; Kirwan P; Naftalin NJ; et al. *Clin Radiol* 1986; 37: 187

whole abdominal irradiation following chemotherapy in advanced ovarian carcinoma. Kuten A; Stein M; Steiner M; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 273

Chemotherapy, complications

axillary-subclavian vein thrombosis following combination chemotherapy and radiation therapy in lymphoma. Schreiber DP; Kapp DS. *Int J Radiat Oncol Biol Phys* 1986; 12: 391

benign thymic enlargement in adults after chemotherapy: CT demonstration. Kissin CM; Husband JE; Nicholas D; Eversman W. *Radiology* 1987; 163: 67

bile duct strictures associated with hepatic arterial infusion chemotherapy. Clark RA; Gallant TE. *Gastrointest Radiol* 1987; 12: 148

cardiac gallium uptake in doxorubicin-induced cardiotoxicity. Hatfield MK; Martin WB; Ryan JW; et al. *Clin Nucl Med* 1986; 11: 756

case of mitoxantrone-associated cardiomyopathy without prior anthracycline therapy. Pai GR; Reed NS; Ruddell WSJ; Br J Radiol 1987; 60: 1125

causes of jaundice during hepatic artery infusion chemotherapy. Anderson SD; Holley HC; Berland LL; Van Dyke JA; Stanley RJ. *Radiology* 1986; 161: 439

cavitation of a mediastinal mass following chemotherapy for histiocytosis-X: CT demonstration. Eftekhar F; Shirkhoda A; Cangir A. *JCAT* 1986; 10: 130

cerebral necrosis after radiotherapy and/or intraarterial chemotherapy for brain tumors: PET and neuropathologic studies. Di Chiro G; Oldfield E; Wright DC; et al. *AJNR* 1987; 8: 1083

cerebrovascular complications of L-asparaginase therapy. (ab). Feinberg WM; Swenson MR. *Radiology* 1988; 169: 294

change of thymic size during and following cytotoxic therapy in young patients. Bode U; Scheidt W. *Pediatr Radiol* 1988; 18: 20

CT findings in mediastinal extravasation of hyperalimentation fluid. Cobb RJ; Mendelson DS. *JCAT* 1987; 11: 158

defense mechanisms of normal and tumor cells. Reed DJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 1457

diffuse hepatic uptake of technetium-99m methylene diphosphonate in a patient receiving high dose methotrexate. Flynn BM; Treves ST. *J Nucl Med* 1987; 28: 532

effect of cisplatin on renal function in patients with testicular tumours. Macleod PM; Tyrell CJ; Keeling DH. *Clin Radiol* 1988; 39: 190

effect on fertility, libido and sexual function of post-operative radiotherapy and chemotherapy for cancer of the testicle. Levison V. *Clin Radiol* 1986; 37: 161

hematologic depression following therapy with strontium-89 chloride. Cowan RJ; Chilton HM; Cooper MR; et al. *Clin Nucl Med* 1986; 11: 845

neurologic dysfunction in patients treated for small cell carcinoma of the lung: clinical and radiological study. Chak LY; Zatz LM; Wasserstein P; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 385

nuclear magnetic resonance study of high-energy phosphate stores in models of adriamycin cardiotoxicity. Keller AM; Jackson JA; Peshock RM; et al. *Magn Res Med* 1986; 3: 834

osmotic disruption of the blood-ocular barriers. Li V; Turski PA; Levin AB; et al. *AJNR* 1987; 8: 347

phase I/II trials of WR-2721 and cis-platinum. Glover D; Glick JH; Weiler C; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1509

proton relaxation times in bleomycin-induced lung injury. Taylor CR; Sostman HD; Gore JC; et al. *Invest Radiol* 1987; 22: 621

pulmonary complications of cytosine-araboside therapy: radiographic findings. Tham RTOT; Peters WC; de Bruine FT; et al. *AJR* 1987; 149: 23

pulmonary complications of multimodality therapy for esophageal carcinoma. Duprat G Jr; Chalaoui J; Sylvestre J; et al. *J Canad Assoc Radiol* 1987; 38: 27

radiation reaction enhanced by ifosfamide. Nicoll JJ. *Br J Radiol* 1986; 59: 1039

radiologic manifestations of small-bowel toxicity due to fluorouracil therapy. Kelvin FM; Gramm HF; Gluck WL; et al. *AJR* 1986; 146: 39

renal damage in mice after treatment with cisplatin alone or in combination with x-irradiation. Stewart F; Bohlken S; Begg A; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 927

reversible enteropathy complicating continuous hepatic artery infusion chemotherapy with 5-fluoro-2-deoxyuridine. (ab). Gluck WL; Akwari OE; Kelvin FM; et al. *Radiology* 1986; 159: 570

sclerosing cholangitis associated with hepatic arterial FUDR chemotherapy: radiographic-histologic correlation. Shea WJ Jr; Demas BE; Goldberg HI; et al. *AJR* 1986; 146: 717

survival of murine clonogenic stem spermatogonia following combined radiation and cytotoxic drug treatments. Delic JI; Steel GG; Bush C. *Int J Radiat Oncol Biol Phys* 1986; 12: 1433

thymic atrophy and regrowth in response to chemotherapy: CT evaluation. Choyke PL; Zeman RK; Gootenberg JE; et al. *AJR* 1987; 149: 269

Cherubism

See Bones, fibrous dysplasia

Chest

See Thorax

Chiari-Budd syndrome

See Hepatic veins, thrombosis

Children

See also Infants; Infants, newborn; under names of procedures

Children, cardiovascular system

cardiac magnetic resonance imaging in children with congenital heart disease. (ab). Boxer RA; Singh S; LaCorte MA; et al. *Radiology* 1987; 164: 590

cardiopulmonary manifestations of sickle cell disease in childhood. Smith JA. *Semin Roentgenol* 1987; 22: 160

coarctation of the aorta in children undergoing angioplasty: pretreatment and posttreatment MR imaging. Bank ER; Aisen AM; Rocchini AP; Hernandez RJ. *Radiology* 1987; 162: 235

composite three-dimensional echocardiographic technique for left ventricular volume estimation in children: comparison with angiography and established echographic methods. Fazzalari NL; Goldblatt E; Adams AFS. *JCU* 1986; 14: 663

CT appearance of coronary aneurysm in Kawasaki disease. Laurent F; Drouillard J; Dorcier F; et al. *JCAT* 1987; 11: 151

Doppler detection of tricuspid regurgitation following Kawasaki disease. Nakano H; Ueda K; Saito A; et al. *Pediatr Radiol* 1986; 16: 123

frequency in size of coronary arterial aneurysm at necropsy in Kawasaki disease. (ab). Fujiwara T; Fujiwara H; Hamashima Y. *Radiology* 1987; 165: 884

heart is under the lower third of the sternum. (ab). Finholt DA; Kettick RG; Wagner HR; et al. *Radiology* 1987; 163: 838

Kawasaki syndrome: cerebral and cardiovascular complications. Templeton PA; Dunne MG. *JCU* 1987; 15: 483

magnetic resonance imaging in pediatric vascular disease. Mayo J; Culham JAG. *J Canad Assoc Radiol* 1987; 38: 165

normal left atrium: appearance in children on frontal chest radiographs. Rosario-Medina W; Strife JL; Dunbar JS. *Radiology* 1986; 161: 345

pediatric hypertension: approach to imaging. Diamant MJ; Stanley P; Boechat MI; et al. *Pediatr Radiol* 1986; 16: 461

pediatric thoracic aorta: normal measurements determined with CT. Fitzgerald SW; Donaldson JS; Poznanski AK. *Radiology* 1987; 165: 667

postoperative evaluation of complex congenital heart disease by magnetic resonance imaging. Soulen RL; Donner RM; Capitanio M. *Radiographics* 1987; 7: 975

primary and secondary tumors of childhood involving the heart, pericardium, and great vessels. report of 75 cases and review of the literature. (ab). Chan HSL; Sonley MJ; Moes CAF; et al. *Radiology* 1986; 158: 574

role of radionuclide shunt studies in management of infants and children. Hurwitz RA; Caldwell RL; Mahony L; et al. *Clin Nucl Med* 1986; 11: 781

sinus pericranii: case report. Wittrik BJ; Davis PC; Hoffman JC Jr. *Pediatr Radiol* 1986; 16: 55

sonographic evaluation of the great vessels' interspace in the pediatric retroperitoneum. Grunebaum M; Ziv N; Kornreich L. *Pediatr Radiol* 1986; 16: 384

superior vena caval abnormalities: their occurrence rate, associated cardiac abnormalities and angiographic classification in a paediatric population with congenital heart disease. Burski G; Jordan SC; Joffe HS; et al. *Clin Radiol* 1986; 37: 131

transluminal closure of patent ductus arteriosus: long-term results of 208 cases treated without thoracotomy. Wierny L; Plass R; Porstmann W. *Cardiovasc Intervent Radiol* 1986; 9: 279

Children, central nervous system

applications of magnetic resonance imaging in diseases of the pediatric central nervous system. Zimmerman RA; Bilaniuk LT. *Magn Res Imag* 1986; 4: 11

clinical utility of magnetic resonance imaging in pediatric neurosurgical patients. (ab). Hanigan WC; Wright SM; Wright RM. *Radiology* 1986; 160: 862

colpocephaly: clinical, radiologic, and pathogenetic aspects. (ab). Herskowitz J; Rosman NP; Wheeler CB. *Radiology* 1986; 161: 864

computed tomographic changes in juvenile hemiplegia. Kolawole TM; Patel PJ; Mahdi AH. *Comput Radiol* 1987; 11: 125

computed tomography of bilateral thalamic hypodensity in acute encephalopathy. Tateno A; Sakai K; Sakai S; et al. *JCAT* 1988; 12: 637

computed tomography of children and adolescents with suspected spinal stenosis. Hasso AN; McKinney JM; Killen J; et al. *JCAT* 1987; 11: 609

computed tomography of the brain in metabolic diseases involving the central nervous system in children. Dunn DW; Weisberg LA. *Comput Radiol* 1987; 11: 135

- contrast examination of cerebrospinal fluid shunt malfunction in infancy and childhood. Sweeney LE; Thomas PS. *Pediatr Radiol* 1987; 17: 177
- intracranial arterial aneurysms in childhood: more recent considerations, (ab). Zee C-S; Segall HD; McCormick JG; et al. *Radiology* 1986; 161: 287
- intraventricular tuberculoma: report of four cases in children. Berthier M; Sierra J; Leiguarda R. *Neuroradiol* 1987; 29: 163
- involvement of posterior visual pathways by optic nerve gliomas. Lourie GL; Osborne DR; Kirks DR. *Pediatr Radiol* 1986; 16: 271
- magnetic resonance imaging in the evaluation of treatment-related central nervous system damage, (ab). Packer RJ; Zimmerman RA; Bilaniuk LT. *Radiology* 1987; 162: 888
- magnetic resonance imaging of normal and pathological white matter maturation. Baierl P; Förster C; Fendel H; et al. *Pediatr Radiol* 1988; 18: 183
- midline central nervous lipomas in children. Macpherson RI; Holgate RC; Gudeman SK. *J Canad Assoc Radiol* 1987; 38: 264
- MR and CT characteristics of gangliocytoma: a rare cause of epilepsy in children. Altman NR. *AJNR* 1988; 9: 917
- MR imaging of the spine in children. Duthoy MJ; Lund G. *Eur J Radiol* 1988; 8: 188
- MR imaging of white matter disease in children. Nowell MA; Grossman RI; Hackney DB; et al. *AJNR* 1988; 9: 503
- MRI of the central nervous system in neonates and young children. Lee BCP; Lipper E; Nass R; et al. *AJNR* 1986; 7: 605
- MR of neuronal migration anomalies. Barkovich AJ; Chuang SH; Norman D. *AJNR* 1987; 8: 1009
- natural history of repaired myelomeningocele. Nelson MD Jr; Bracchi M; Naidich TP; McLone DG. *Radiographics* 1988; 8: 695
- NMR follow-up studies of CNS-tumors in infancy and childhood. Higer HP; Gutjahr P; Schmidberger P; et al. *Eur J Radiol* 1987; 7: 49
- periventricular leukomalacia: radiologic diagnosis. Flodmark O; Roland EH; Hill A; Whitfield MF. *Radiology* 1987; 162: 119
- progressive neuronal degeneration of childhood with liver disease: computed tomographic features. Kendall BE; Boyd SG; Egger J; et al. *Neuroradiol* 1987; 29: 174
- progressive spasticity and scoliosis in children with myelomeningocele. radiological investigation and surgical treatment, (ab). Park TS; Cail WS; Maggio WM; et al. *Radiology* 1986; 158: 285
- real-time sonographic display of caudal spinal anomalies. Naidich TP; Radkowski MA; Britton J. *Neuroradiol* 1986; 28: 512
- sonographic finding of the bright thalamus, (ab). Shen EY; Huang CC; Chyou SC; et al. *Radiology* 1987; 163: 838
- sonography of intracranial infection in infants and children. Frank JL. *Neuroradiol* 1986; 28: 440
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings. Davis PC; Hoffman JC Jr; Ball TI; Wylie JB; Braun IF; Fry SM; Drvaric DM. *Radiology* 1988; 166: 679
- strangulation in child abuse: CT diagnosis. Bird CR; McMahan JR; Gilles FH; Senac MO; Apthorp JS. *Radiology* 1987; 163: 373
- valvography in the assessment of hydrocephalus shunt function in children. Seppanen U; Serlo W; Saukkonen A-L. *Neuroradiol* 1987; 29: 53
- Children, endocrine glands**
- computed tomography in the evaluation of adrenal glands in infants and children. Mahboubi S; Patel K; O'Neill JA. *CT* 1988; 12: 240
- incidence of late endocrine dysfunction following irradiation for childhood medulloblastoma. Abayomi OK; Sadeqhi-Nejad A. *Int J Radiat Oncol Biol Phys* 1986; 12: 945
- Children, gastrointestinal tract**
- balloon dilatation of esophageal stenosis in children. Sato Y; Frey EE; Smith WL; et al. *AJR* 1988; 150: 639
- Behcet's syndrome involving the gastrointestinal tract—diagnostic dilemma in childhood. Stringer DA; Cleghorn GJ; Durie PR; et al. *Pediatr Radiol* 1986; 16: 131
- bilio-pancreatic common channel in children: clinical, biological and radiological findings in 12 children. Suarez F; Bernard O; Gauthier F; et al. *Pediatr Radiol* 1987; 17: 206
- childhood Menetrier's disease: four new cases and discussion of the literature. Baker A; Volberg F; Sumner T; et al. *Gastrointest Radiol* 1986; 11: 131
- choledocholithiasis in children. Brunelle F. *Semin US CT MR* 1987; 8: 118
- correlation of double-contrast high-density barium enema, colonoscopy, and histology in children with special attention to disparities. Stringer DA; Sherman PM; Jakowenko N. *Pediatr Radiol* 1986; 16: 298
- CT findings in left paraduodenal herniae. Day DL; Drake DG; Leonard AS; et al. *Gastrointest Radiol* 1988; 13: 27
- CT guided percutaneous decompression of a renal duplication cyst in a child. Ramaswami W; Millward SF; Toi A; et al. *J Canad Assoc Radiol* 1986; 37: 46
- distended gasless abdomen: fertile field for ultrasound. Seibert JJ; Williamson SL; Golladay ES; et al. *J Ultrasound Med* 1986; 5: 301
- embryonal rhabdomyosarcoma of the biliary tree in children: case report. Arnaud O; Bosq M; Anquier E; et al. *Pediatr Radiol* 1987; 17: 250
- gallbladder visualization following pediatric cardioangiography with Hexabrix, (ab). Gillespie JE; Gholkar A; Gupta S. *Radiology* 1986; 158: 575
- gastroesophageal reflux in children: is there a place for the upper gastrointestinal study? Blane CE; Klein MD; Drongowski RA; et al. *Gastrointest Radiol* 1986; 11: 346
- ileocolic intussusception: hydrostatic reduction in the presence of the dissection sign. Johnson JF; Shiels WE II. *Pediatr Radiol* 1986; 16: 514
- ilio-psoas abscess: diagnosis and management. Hoffer FA; Shamberger RC; Teele RL. *Pediatr Radiol* 1987; 17: 23
- imaging inflammatory bowel disease in the pediatric patient. Stringer DA. *Radiol Clin North Am* 1987; 25: 93
- inflammatory fibroid polyp of the stomach in a child. Schroeder BA; Wells RC; Sty JR. *Pediatr Radiol* 1987; 17: 71
- ingested foreign bodies: removal by magnet. Volle E; Hanel D; Beyer P; Kaufmann HJ. *Radiology* 1986; 160: 407
- intussusception in infants and children: diagnosis and therapy. Bisset GS III; Kirks DR. *Radiology* 1988; 168: 141
- MR evaluation of the portal vein in pediatric liver transplant candidates. Day DL; Letourneau JG; Allan BT; et al. *AJR* 1986; 147: 1027
- normal and abnormal pancreas in children: US studies, (ab). Siegel MJ; Martin KW; Worthington JL. *Radiology* 1987; 165: 15
- pediatric hypertrophic gastropathy. Marks MP; Lanza MV; Kahstrom EJ; et al. *AJR* 1986; 147: 1031
- percutaneous cholecystography in children. Garel LA; Belli D; Grognon A; Roy CC. *Radiology* 1987; 165: 639
- percutaneous diagnostic and therapeutic interventional radiologic procedures in children: experience in 100 patients. vanSonnenberg E; Wittich GR; Edwards DK; Casola G; Hilton SVW; Self TW; Keightley A; Withers C. *Radiology* 1987; 162: 601
- percutaneous gastrostomy and percutaneous gastrojejunostomy in children: antegrade approach. Towbin RB; Ball WS Jr; Bisset GS III. *Radiology* 1988; 168: 473
- plain abdominal radiographs in children with inflammatory bowel disease. Taylor GA; Nancarrow PA; Hernandez-Schulman M; et al. *Pediatr Radiol* 1986; 16: 206
- Play-Doh in the gastrointestinal tract: modify 'CHIP' to 'CHIPPED', (ab). Wason S; Dalsey W; Billmire ME; et al. *Radiology* 1986; 160: 575
- pneumatosis intestinalis in children after allogeneic bone marrow transplantation. Yeager AM; Kanof ME; Kramer SS; et al. *Pediatr Radiol* 1987; 17: 18
- position and mobility of the duodenum in children. Katz ME; Siegel MJ; Shackelford GD; et al. *AJR* 1987; 148: 947
- primary sclerosing cholangitis in children: study of five cases and review of the literature, (ab). Sisto A; Feldman P; Garel L; et al. *Radiology* 1988; 168: 888
- radiographic features of appendiceal colic in children. Schigall RM. *Pediatr Radiol* 1986; 16: 392
- real-time ultrasound in Crohn's disease: characteristic features and clinical implications. Dinkel E; Dittich M; Peters H; et al. *Pediatr Radiol* 1986; 16: 8
- reduction of radiation exposure during gastrointestinal biopsy procedures in children. Kushner DC; Herman TE; Cleveland RH; et al. *Invest Radiol* 1988; 23: 211
- resolving duodenal-jejunal hematoma in abused children. Kleinman PK; Brill PW; Winchester P. *Radiology* 1986; 160: 747
- retrograde jejuno-duodeno-gastric intussusception, (ab). Lamont AC; Rode H. *Radiology* 1986; 158: 575
- role of CT in the evaluation of children with foregut cyst. Hernandez RJ. *Pediatr Radiol* 1987; 17: 265
- small bowel disease in children: diagnosis with CT. Siegel MJ; Evans SJ; Balfe DM. *Radiology* 1988; 169: 127
- small bowel pseudo-obstruction in Kawasaki disease. Miyake T; Kawamori J; Yoshida T; et al. *Pediatr Radiol* 1987; 17: 383
- sonography of the normal and abnormal stomach (excluding hypertrophic pyloric stenosis) in children. Stringer DA; Daneman A; Brunelle F; et al. *J Ultrasound Med* 1986; 5: 183
- transient protein-losing gastropathy (Menetrier's disease) in childhood. Bar-Ziv J; Barki Y; Weizman Z; et al. *Pediatr Radiol* 1988; 18: 82
- "trumpeting elephant" sign of gastroesophageal reflux. Rowen SJ; Gyepes MT. *Radiology* 1988; 167: 138
- ultra-sonic demonstration of acute multiple gastric ulcers in a child. Tomooka Y; Koga T; Shimoda Y; et al. *Br J Radiol* 1987; 60: 290
- ultrasound examination of the paediatric "acute abdomen": preliminary findings. Mendelson RM; Lindell DRM. *Br J Radiol* 1987; 60: 414
- ultrasound of the pediatric gastrointestinal tract. Miller JH; Kemberling CR. *Semin US CT MR* 1987; 8: 349
- use of low osmolality water soluble (LOWS) contrast media in the pediatric gastrointestinal tract: report of 115 examinations. Ratcliffe JF. *Pediatr Radiol* 1986; 16: 47
- value of the peroral pneumocolon in children. Stringer DA; Sherman PM; Liu P; et al. *AJR* 1986; 146: 763
- value of the small bowel enema in children. Stringer DA; Cloutier S; Daneman A; et al. *J Canad Assoc Radiol* 1986; 37: 13
- Children, genitourinary system**
- acute renal failure in children: an ultrasonographic-clinical study. Vergesalich KA; Sommer G; Wittich GR; et al. *Eur J Radiol* 1987; 7: 263
- acute renal vein thrombosis: successful treatment with intraarterial urokinase. Vogelzang RL; Moel DI; Cohn RA; Donaldson JS; Langman CB; Nemcek AA Jr. *Radiology* 1988; 169: 681
- acute scrotal abnormalities in children: diagnosis by combined sonography and scintigraphy. Mueller DL; Amundson GM; Rubin SZ; et al. *AJR* 1988; 150: 643
- association of congenital megacalycolysis and ipsilateral segmental megacalycolysis. Mandell GA; Snyder HM III; Heyman S; et al. *Pediatr Radiol* 1987; 17: 28
- Cohen ureteral reimplantation: sonographic appearance. Mezzacappa PM; Price AF; Kassner EG; Haller JO; Glassberg KI. *Radiology* 1987; 165: 851

- CT evaluation of severe renal inflammatory disease in children, Montgomery P; Kuhn JP; Afshani E, *Pediatr Radiol* 1987; 17: 216
- CT peritoneography in evaluation of pediatric dialysis complications, Magill HL; Roy S III; Stapleton FB, *AJR* 1986; 147: 325
- detection of vesicoureteral reflux in the child, Lebowitz RL, *Invest Radiol* 1986; 21: 519
- distribution of renal scars and intrarenal reflux in children with a past history of urinary tract infection, Hannerz L; Wikstad I; Johansson L; et al, *Acta Radiol* 1987; 28: 443
- dominant and recessive polycystic kidney disease in children: classification by intravenous pyelography, ultrasound, and computed tomography, Kääriäinen H; Jäskeläinen J; Kivisaari L; et al, *Pediatr Radiol* 1988; 18: 45
- duplex collecting system in girls with urinary tract infection: prevalence and significance, Bisset GS III; Strife JL, *AJR* 1987; 148: 497
- excretory urography with iohexol: evaluation in children, Magill HL; Clarke EA; Fitch SJ; Boulden TF; Ramirez R; Siegle RL; Somes GW, *Radiology* 1986; 161: 625
- extracorporeal shock wave lithotripsy experience in children, (ab), Newman DM; Coury T; Lingeman JE; et al, *Radiology* 1987; 162: 295
- extracorporeal shock wave lithotripsy in childhood, (ab), Kroovand RL; Harrison LH; McCullough DL, *Radiology* 1988; 167: 296
- extrinsic causes of vesical filling defects in scintigraphy, Mandell GA; Harcke HT, *Clin Nucl Med* 1987; 12: 204
- imaging in acute renal infection in children, Sty JR; Wells RG; Starshak RJ; et al, *AJR* 1987; 148: 471
- imaging of uretero-pelvic junction obstruction with stimulated diuresis: with consideration of the reliability of ultrasonography, Ebel K-D; Bliessner JA; Garib M, *Pediatr Radiol* 1988; 18: 54
- increased renal cortical echogenicity in pediatric renal disease: histopathologic correlations, Brenbridge AN; Chevalier RL; Kaiser DL, *JCU* 1986; 14: 595
- initial experience with extracorporeal shock wave lithotripsy in children, (ab), Sigman M; Laudone VP; Jenkins AD; et al, *Radiology* 1988; 167: 296
- interventional genitourinary radiology in children: review of 61 procedures, Ball WS Jr; Towbin RB; Strife JL; et al, *AJR* 1986; 147: 791
- intrarenal epidermoid cyst, Duprat G Jr; Filiaut D; Michaud J, *Pediatr Radiol* 1986; 16: 73
- intravenous urography and voiding cystourethrography in northern Norway: retrospective study, Pedersen HK; Pape JF; Gudmundsen TE; et al, *Pediatr Radiol* 1986; 16: 472
- intravenous urography in children and youth, Pedersen HK; Gudmundsen TE; Ostensen H; et al, *Pediatr Radiol* 1987; 17: 463
- kidney dimensions in ultrasound compared to somatometric parameters in normal children, Dremsek PA; Kritscher H; Bohm G; et al, *Pediatr Radiol* 1987; 17: 285
- late ultrasonographic pattern in congenital nephrotic syndrome of Finnish type, Perale R; Talenti E; Lubrano G; et al, *Pediatr Radiol* 1988; 18: 71
- localization of urinary tract infection with ^{99m}Tc glucoheptonate scintigraphy, Traisman ES; Conway JJ; Traisman HS; et al, *Pediatr Radiol* 1986; 16: 403
- nephroblastomatosis: missed diagnosis, Cormier PJ; Donaldson JS; Gonzalez-Crussi F, *Radiology* 1988; 169: 737
- normal renal growth in children with myelodysplasia, Gross GW; Thornburg AJ; Bellinger MF, *AJR* 1986; 146: 615
- nuclear medicine in pediatric urology and nephrology, Sfakianakis GN; Sfakianakis ED, *J Nucl Med* 1988; 29: 1287
- Octoscan imaging in pediatric urology, (ab), Sheinfeld J; Valvo JR; Wood BP; et al, *Radiology* 1988; 167: 296
- options in the evaluation of pediatric urinary tract infections: role of radiography and ultrasound, Mason WG Jr; Stevens PS, *Semin US CT MR* 1986; 7: 234
- pediatric percutaneous nephrostomy: experience with 50 patients, (ab), Stanley P; Diamant MJ, *Radiology* 1986; 161: 863
- pediatric urosonography: update, Haller JO; Cohen HL, *Urol Radiol* 1987; 9: 99
- percutaneous nephrostomy in paediatrics, Irving HC; Arthur RJ; Thomas DFM, *Clin Radiol* 1987; 38: 245
- percutaneous pyeloplasty in children: experience in three patients, Towbin RB; Wacksman J; Ball WS Jr, *Radiology* 1987; 163: 381
- percutaneous studies of the upper urinary tract in children, with special emphasis on infants, Riedy MJ; Lebowitz RL, *Radiology* 1986; 160: 231
- percutaneous ultrasonic lithotripsy of symptomatic renal calculi in children, Papanicolaou N; Pfister RC; Young HH; et al, *Pediatr Radiol* 1986; 16: 13
- posterior urethral valves: update and review, Macpherson RL; Leithiser RE Jr; Gordon L; Turner WR, *Radiographics* 1986; 6: 753
- posttransplant renal artery stenosis: angiographic study in 32 children, Stanley P; Malekzadeh M; Diamant MJ, *AJR* 1987; 148: 487
- protocol for the investigation of infants and children with urinary tract infection, Whyte KM; Abbott GD; Kennedy JC; et al, *Clin Radiol* 1988; 39: 278
- radiographic evaluation of children with urinary tract infections, Reid BS; Bender TM, *Radiol Clin North Am* 1988; 26: 393
- radiological imaging of urogenital tuberculosis in children with emphasis on ultrasound, Cremin BJ, *Pediatr Radiol* 1987; 17: 34
- radionuclide cystography in children: comparison of direct (retrograde) and indirect (intravenous) techniques, (ab), Majid M; Kass EJ; Belman AB, *Radiology* 1986; 158: 288
- renal calcium deposition in children: sonographic demonstration of the Anderson-Carr progression, Patriquin HB; Robitaille P, *AJR* 1986; 146: 1253
- renal cystic disease in childhood, Hayden CK Jr; Swischuk LE; Smith TH; Armstrong EA, *Radiographics* 1986; 6: 97
- renal parenchymal junctional line in children: ultrasonic frequency and appearances, Kenney JJ; Wild SR, *Br J Radiol* 1987; 60: 865
- renal parenchymal volume in children: normal values assessed by ultrasonography, Troell S; Berg U; Johansson B; et al, *Acta Radiol* 1988; 29: 127
- renal sonography in Bartter syndrome, Strauss S; Robinson G; Lotan D; et al, *J Ultrasound Med* 1987; 6: 265
- renal sonography in the differentiation of upper from lower urinary tract infection, Dinkel E; Orth S; Dittrich M; et al, *AJR* 1986; 146: 775
- renal ultrasound evaluation of urinary tract infections in children, (ab), Johnson CE; DeBaz BP; Shurin PA; et al, *Radiology* 1987; 164: 888
- review of the ultrasonic appearances of posterior urethral valve and ureteroceles, Cremin BJ, *Pediatr Radiol* 1986; 16: 357
- sequential bilateral torsion of normal ovaries in a child, Worthington-Kirsch RL; Raptopoulos V; Cohen IT, *J Ultrasound Med* 1986; 5: 663
- single-sample method for the estimation of glomerular filtration rate in children, Tauxe WN; Bagchi A; Tepe PG; et al, *J Nucl Med* 1987; 28: 366
- small dense kidneys in a 7-year-old, Martino CR; Fakter RL; Schultz CL; et al, *Invest Radiol* 1986; 21: 76
- sonographic measurements of the normal bladder wall in children, Jequier S; Rousseau O, *AJR* 1987; 149: 563
- sonographic monitoring of LHRH analogue therapy in idiopathic precocious puberty in young girls, Hall DA; Crowley WF; Wierman ME; et al, *JCU* 1986; 14: 331
- sonographic renal parameters as related to age, Vade A; Lau P; Smick J; et al, *Pediatr Radiol* 1987; 17: 212
- sonography of adrenal glands in neonates and children: changes in appearance with age, Kangaroo H; Diamant MJ; Gold RH; et al, *JCU* 1986; 14: 43
- spectrum of sonographic findings in infantile polycystic kidney disease with urographic and clinical correlations, (ab), Melson GL; Shackelford GD; Cole BR; et al, *Radiology* 1986; 158: 283
- spinning top urethra: not a normal variant, Saxton HM; Borzyskowski M; Mundy AR; Vivian GC, *Radiology* 1988; 168: 147
- stones in the urinary bladder in children and young adults, Lebowitz RL; Vargas B, *AJR* 1987; 148: 491
- transplanted kidney in children: comparative value of various echographic signs of acute rejection, (ab), Garel L; Bonnard V; Barral V; et al, *Radiology* 1986; 158: 283
- ultrasonography in the radiologic evaluation of children with urinary tract infection, (ab), Alon U; Pery M; Davidai G; et al, *Radiology* 1987; 162: 591
- ultrasonography of the kidney following renal biopsy in children, Nybønde T; Mortenson W, *Acta Radiol* 1988; 29: 151
- ultrasound of Wilms' tumor, De Campo JF, *Pediatr Radiol* 1986; 16: 21
- unstable bladder in children: functional evaluation by modified voiding cystourethrography, Fötter R; Kopp W; Klein E; Hollwarth M; Uray E, *Radiology* 1986; 161: 811
- ureteral diameter in low-risk vesicoureteral reflux in infancy and childhood, Hellstrom M; Hjalmas K; Jacobsson B; et al, *Acta Radiol* 1986; 27: 77
- ureteral dilatation in children with febrile urinary tract infection or bacteriuria, Hellstrom M; Jodal U; Marild S; et al, *AJR* 1987; 148: 483
- urinary tract infection in children: putting radiology in its place, Lebowitz RL; Mandell J, *Radiology* 1987; 165: 1
- urinary tract infections in childhood: current imaging approach, Hayden CK Jr; Swischuk LE; Fawcett HD; Rytting JE; McCord G, *Radiographics* 1986; 6: 1023
- urography and voiding cystourethrography: findings in girls with urinary tract infection, Bisset GS III; Strife JL; Dunbar JS, *AJR* 1987; 148: 479
- US demonstration of pyelitis and ureteritis in children, Avni EF; Van Gansbeke D; Thous Y; et al, *Pediatr Radiol* 1988; 18: 134
- Wilms tumor in children: abdominal CT and US evaluation, Reiman TAH; Siegel MJ; Shackelford GD, *Radiology* 1986; 160: 501

Children, injuries

- cerebral infarction in child abuse: diagnosis by technetium-99m methylene diphosphonate skeletal scintigraphy, Glasier CM; Seibert JJ; Williamson SL, *Clin Nucl Med* 1987; 12: 897
- child with acute leg pain, Sty JR; Wells RG; Smith WB, *Semin Nucl Med* 1988; 18: 137
- development of post-traumatic cyst-like lesions in bone, Phillips CD; Keats TE, *Skeletal Radiol* 1986; 15: 631
- duodenal hematoma in child abuse: sonographic detection, Orel SG; Nussbaum AR; Sheth S; et al, *AJR* 1988; 151: 147
- embolization of blunt trauma in the pediatric patient, Pilla TJ; Tanana S; Shields JB, *Cardiovasc Intervent Radiol* 1987; 10: 153
- extremity injuries in children: predictive value of clinical findings, (ab), Rivara FP; Paris RA; Muller BA, *Radiology* 1987; 164: 888
- growth disturbances in the hands following thermal injuries in children. 1. flame burns, Mooney WR; Reed MH, *J Canad Assoc Radiol* 1988; 39: 91
- growth disturbances in the hands following thermal injuries in children. 2. frostbite, Reed MH, *J Canad Assoc Radiol* 1988; 39: 95
- hepatic and splenic injury in children: role of CT in the decision for laparotomy, Brick SH; Taylor GA; Potter BM; Eichelberger MR, *Radiology* 1987; 165: 643
- hypovolemic shock in children, Kaufman RA; Stalker HP, *Radiology* 1988; 166: 579

- hypovolemic shock in children: abdominal CT manifestations. Taylor GA; Fallat ME; Eichelberger MR. *Radiology* 1987; 164: 479
- investigation of childhood blunt abdominal trauma: a practical approach using ultrasound as the initial diagnostic modality. Filiatrault D; Longpre D; Patriquin H; et al. *Pediatr Radiol* 1987; 17: 373
- isolated caudate lobe liver injury in a child: CT demonstration. Brody AS; Kaufman RA; Kirks DR. *JCAT* 1988; 12: 524
- patterns of liver injury in childhood: CT analysis. Stalker HP; Kaufman RA; Towbin RB. *AJR* 1986; 147: 1199
- pediatric chest trauma. Bender TM; Oh KS; Medina JL; et al. *J Thorac Imag* 1987; 2: 60
- poor prediction of positive computed tomographic scans by clinical criteria in symptomatic pediatric head trauma. (ab). Rivas F; Tanaguchi D; Parish RA; et al. *Radiology* 1988; 168: 295
- radiographic characteristics of skull fractures resulting from child abuse. Meservy CJ; Towbin RB; McLaurin RL; et al. *AJNR* 1987; 8: 455
- radiographic diagnosis of fracture-separation of the entire distal humeral epiphysis. Ruo GY. *Clin Radiol* 1987; 38: 635
- radiographic identification of ingested disc batteries. Maves MD; Lloyd TV; Carithers JS. *Pediatr Radiol* 1986; 16: 154
- resolving duodenal-jejunal hematoma in abused children. Kleinman PK; Brill PW; Winchester P. *Radiology* 1986; 160: 747
- retinal hemorrhage after cardiopulmonary resuscitation or child abuse. (ab). Kanter RK. *Radiology* 1986; 160: 575
- Rhabdomyolysis and renal failure in child abuse. Mukherji SK; Siegel MJ. *AJR* 1987; 148: 1203
- scintigraphic detection of an occult abdominal bleed in a child. Mitchell DS; Stacy TM; Gronow JE; et al. *Clin Nucl Med* 1988; 13: 546
- spinal deformities and pseudofractures. Boechat ML. *AJR* 1987; 148: 97
- strangulation in child abuse: CT diagnosis. Bird CR; McMahan JR; Gilles FH; Senac MO; Athorp JS. *Radiology* 1987; 163: 373
- tin ear syndrome: rotational acceleration in pediatric head injuries. (ab). Hanigan WC; Peterson RA; Njus G. *Radiology* 1988; 167: 888
- trampoline fracture of the proximal tibia in children. Boyer RS; Jaffe RB; Nixon GW; et al. *AJR* 1986; 146: 83
- ultrasound diagnosis of splenic injuries in children—the importance of free peritoneal fluid. Booth AJ; Bruce DI; Steiner GM. *Clin Radiol* 1987; 38: 395
- use of contrast media in patients with hypovolemic shock. Schiffer MS. *Radiology* 1986; 166: 579
- use of contrast media in patients with hypovolemic shock: reply. Taylor GA; Eichelberger MR. *Radiology* 1988; 166: 579
- Children, lymphatic system**
- Hodgkin disease and non-Hodgkin lymphomas in children: utilization of radiological modalities. Cohen MD; Siddiqui AR; Weetman RM; Provisor AJ; Coates T. *Radiology* 1986; 158: 499
- Children, neoplasms**
- See Neoplasms, in infants and children
- Children, radiography**
- See Radiography, in infants and children
- Children, respiratory system**
- abnormal pulmonary aeration in infants and children. Newman B; Oh KS. *Radiol Clin North Am* 1988; 26: 323
- cardiopulmonary manifestations of sickle cell disease in childhood. Smith JA. *Semin Roentgenol* 1987; 22: 160
- chronic airway obstruction in children: evaluation with cine-CT. Frey EE; Smith WL; Grandgeorge S; et al. *AJR* 1987; 148: 347
- coin ingestion: unusual appearance of the penny in a child. Fernbach SK; Tucker GF. *Radiology* 1986; 158: 512
- complementary roles of ultrasound and plain film radiography in differentiating pediatric chest abnormalities. Rosenberg HK. *Radiographics* 1986; 6: 427
- computed tomographic lung density in children. Vock P; Malanowski D; Tschaepeler H; et al. *Invest Radiol* 1987; 22: 627
- computerized tomography in pneumatoceles after paraffin ingestion. Stones DK; van Niekerk CH; Cilliers C. *Pediatr Radiol* 1987; 17: 443
- cystic fibrosis in childhood: pulmonary, paranasal sinus, and skeletal manifestations. Amodio JB; Berdon WE; Abramson SJ; et al. *Semin Roentgenol* 1987; 22: 125
- dyskinetic cilia syndrome: clinical, radiographic and scintigraphic findings. Reyes de la Rocha S; Pyscher TJ; Leonard JC. *Pediatr Radiol* 1987; 17: 97
- flat chest in chronic bronchopulmonary dysplasia. Edwards DK III; Hilton SW. *AJR* 1987; 149: 1213
- hyperimmunoglobulinemia E syndrome: pulmonary imaging considerations. Fitch SJ; Magill HL; Herrod HG; et al. *Pediatr Radiol* 1986; 16: 285
- juvenile xanthogranuloma with pulmonary lesions. Gupta AK; Bhargava S. *Pediatr Radiol* 1988; 18: 70
- obliterative bronchiolitis due to Mycoplasma pneumoniae infection in a child. Isles AF; Maseel J; O'Duffy J. *Pediatr Radiol* 1987; 17: 109
- opaque chest: when to suspect a bronchial foreign body. Seibert RW; Seibert JJ; Williamson SL. *Pediatr Radiol* 1986; 16: 193
- perspectives in adolescent tuberculosis: three decades of experience. (ab). Nemir RL. *Radiology* 1987; 162: 884
- pneumonia in children and some of its variants. Griscom NT. *Radiology* 1988; 167: 297
- pulmonary alveolar microlithiasis in pediatric patients—review of the world literature and two new observations. Volle E; Kaufmann HJ. *Pediatr Radiol* 1987; 17: 439
- pulmonary disease in children with acquired immune deficiency syndrome and AIDS-related complex. (ab). Rubinstein A; Morecki R; Silverman B; et al. *Radiology* 1986; 160: 862
- pulmonary sequestration of the upper lobe in children. Hoeffel J-C; Bernard C. *Radiology* 1986; 160: 513
- pulmonary ventilation in children. digital subtraction study. (ab). Schmit P; Faure C; Sardet A; et al. *Radiology* 1986; 158: 282
- radiological findings in children with respiratory syncytial virus infection: relationship to clinical and bacteriological findings. Eriksson J; Nordhus T; Carlsen K-H; et al. *Pediatr Radiol* 1986; 16: 120
- radiological patterns of pulmonary tuberculosis in the paediatric age group. Lamont AC; Cremin BJ; Pelteret RM. *Pediatr Radiol* 1986; 16: 2
- upper airway and tracheal obstruction in infants and children. Strife JL. *Radiol Clin North Am* 1988; 26: 309
- usefulness of chest radiographs in children with acute lower respiratory tract disease. (ab). Alario AJ; McCarthy PL; Markowitz R; et al. *Radiology* 1988; 167: 591
- viral vs. bacterial pulmonary infections in children (is roentgenographic differentiation possible?). Swischuk LE; Hayden CK Jr. *Pediatr Radiol* 1986; 16: 278
- Children, skeletal system**
- acute osteomyelitis in children: combined Tc-99m and Ga-67 imaging. Lewin JS; Rosenfield NS; Hoffer PB; Downing D. *Radiology* 1986; 158: 795
- aluminum bone disease in children: radiographic features from diagnosis to resolution. Daves ML. *Radiology* 1986; 159: 283
- aluminum bone disease in children: radiographic features from diagnosis to resolution: reply. Andreoli SP; Smith JA; Bergstein JM. *Radiology* 1986; 159: 284
- aluminum bone disease in children: radiographic features from diagnosis to resolution. Vukicevic S. *Radiology* 1987; 163: 583
- arthrosonography of the irritable hip in childhood: review of 1 year's experience. Adam R; Hendry GMA; Moss J; et al. *Br J Radiol* 1986; 59: 205
- assessment of bone age: comparison of the Greulich and Pyle, and the Tanner and Whitehouse methods. Milner GR; Levick RK; Kay R. *Clin Radiol* 1986; 37: 119
- atlantooccipital junction: standards for measurement in normal children. Kaufman RA; Carroll CD; Buncher CR. *AJNR* 1987; 8: 995
- bone age estimation: a comparison of methods. Cole AJL; Webb L; Cole TJ. *Br J Radiol* 1988; 61: 683
- bone mineral content in children 1 to 6 years of age: detectable sex differences after 4 years of age. (ab). Specker BL; Brazier W; Tsang RC; et al. *Radiology* 1988; 166: 912
- cervical spine fractures and dislocations in children. Apple JS; Kirks DR; Merten DF; et al. *Pediatr Radiol* 1987; 17: 45
- characterization of "transient synovitis of the hip" in children. (ab). Hauesien DC; Weiner DS; Weiner SD. *Radiology* 1986; 159: 824
- chondromyxosarcoma: a rare form of bone neoplasm in children. Laissy JP; Guillon F; Chesneau AM; et al. *Pediatr Radiol* 1987; 17: 429
- chronic recurrent multifocal osteomyelitis. Brown T; Wilkinson RH. *Radiology* 1988; 166: 493
- computed tomography in the evaluation of partial growth plate arrest in children. Young JWR; Bright RW; Whitley NO. *Skeletal Radiol* 1986; 15: 530
- conventional radiography in transient synovitis of the hip in children. Egund N; Hasegawa Y; Pettersson H; et al. *Acta Radiol* 1987; 28: 193
- CT anatomy of the craniovertebral junction in infants and children. Calvy TM; Segall HD; Gilles FH; et al. *AJNR* 1987; 8: 489
- CT detection of a Jefferson fracture in a child. Wirth RL; Zatz LM; Parker BR. *AJR* 1987; 149: 1001
- CT findings in complete premature craniosynostosis. Jinkins JR. *Neuroradiol* 1987; 29: 216
- disc calcification in childhood: computed tomographic and magnetic resonance imaging appearances. McGregor JC; Butler P. *Br J Radiol* 1986; 59: 180
- fate of fat transplants in operations for partial closure of the growth plate: clinical examples and an experimental study. (ab). Langenskiöld A; Videman T; Nevalainen T. *Radiology* 1986; 160: 858
- femoral head notch. Ozonoff MB; Zitter FMH Jr. *Skeletal Radiol* 1987; 16: 19
- flattening of the distal femoral epiphyses in the trichorhinophalangeal syndrome. Schlesinger AE; Poznanski AK. *Pediatr Radiol* 1986; 16: 498
- hematogenous pelvic osteomyelitis in children. clinical correlates of newer methods. (ab). Farley T; Conway J; Shulman ST. *Radiology* 1986; 158: 575
- linear growth of the thoracic spine in chest roentgenograms from birth to 16 years. Currarino G; Williams B; Reich JS. *Skeletal Radiol* 1986; 15: 628
- long-term follow-up of children with femoral neck fractures. (ab). Leung PC; Lam SF. *Radiology* 1987; 162: 887
- macrocephaly with dysplasia with symptomatic osteoporosis, wrinkled skin, and aged appearance: presumed autosomal recessive condition. McAlister WH; Coe JD; Whyte MP. *Skeletal Radiol* 1986; 15: 47
- magnetic resonance imaging of the pediatric spine. Walker HS; Dietrich RB; Flannigan BD; Lufkin RB; Peacock WJ; Kangaroo H. *Radiographics* 1987; 7: 1029
- "missing" femoral condyle: unusual sequelae to neonatal osteomyelitis and septic arthritis. Singdon RD; Berdon WE; Feldman F; Denton JR; Abramson S; Baker DH. *Radiology* 1986; 161: 359
- Murk Jansen's metaphyseal chondrodysplasia with long-term followup. Silverthorn KG; Houston CS; Duncan BF. *Pediatr Radiol* 1987; 17: 119

- odontoid process in children—is it hypoplastic? Elliott S, Clin Radiol 1988; 39: 391
- ossification centers of the pediatric elbow: rare normal variant, Resnik CS; Hartenberg MA, Pediatr Radiol 1986; 16: 254
- osteoid osteoma and osteoblastoma of the spine in children: report of 22 cases with brief literature review, Azouz EM; Kozlowski K; Marton D; et al, Pediatr Radiol 1986; 16: 25
- percentage of migration as indicator of femoral head position, Eklöf O; Ringertz H; Samuelsson L, Acta Radiol 1988; 29: 363
- primary lesions of bone in the 1st decade of life: retrospective survey of biopsy results, Senac MO Jr; Isaacs H; Gwinn JL, Radiology 1986; 160: 491
- proximal femoral focal deficiency: radiologic analysis of 49 cases, Hillmann JS; Mesgarzadeh M; Revesz G; Bonakdarpour A; Clancy M; Betz RR, Radiology 1987; 165: 769
- radiation dose to small infants from single-proton absorptiometry, Steichen JJ; Keriakes JG; Tsang RC, Radiology 1988; 168: 169
- radiologic "lead band" revisited, Blickman JG; Wilkinson RH; Graef JW, AJR 1986; 146: 245
- radiology and histopathology of the bent limbs in campomelic dysplasia: implications in the aetiology of the disease and review of theories, Pazzaglia UE; Beluffi G, Pediatr Radiol 1987; 17: 50
- reversed calcaneal spurs in children, van Wiechen PJ, Skeletal Radiol 1987; 16: 17
- round anterior margin of lumbar vertebral bodies in children with a meningocele, Kramer PPG; Scheers JM, Pediatr Radiol 1987; 17: 263
- scintigraphic and radiographic appearance of the ischiopubic synchondroses in normal children and in osteomyelitis, Klobier R; Uduis K; McIntyre W; et al, Pediatr Radiol 1988; 18: 57
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis PC; Hoffman JC Jr; Ball TI; Wyly JB; Braun IF; Fry SM; Drvaric DM, Radiology 1988; 166: 679
- symptomatic hip in childhood: scintigraphic findings in the presence of a normal radiograph, Gordon I; Peters AM; Nunn R, Skeletal Radiol 1987; 16: 383
- thickened cortical bones in congenital neutropenia, Boechat MI; Gormley LS; O'Laughlin BJ, Pediatr Radiol 1987; 17: 124
- transient fatty cortical defects following fractures in children, Malgouyres J; Malgouyres B, Skeletal Radiol 1986; 15: 368
- ultrasound of the painful hip in children, Peck RJ, Br J Radiol 1986; 59: 293
- unilateral mid-femoral periosteal newbone of varying activity in children: radiographic analysis of 25 cases, Kozlowski K; Diard F; Padovani J; et al, Pediatr Radiol 1986; 16: 475
- validity of radiographic assessment of childhood transient synovitis of the hip, Rosenberg M; Mortenson W, Acta Radiol 1986; 27: 85
- ## Chloroma
- chloroma of cerebellum, tentorium and occipital bone in acute myelogenous leukemia, Wang A-M; Lin JCT; Power TC; et al, Neuroradiol 1987; 29: 590
- granulocytic sarcoma (chloroma) of bone: CT appearance, Libson E; Blood RA; Galun E; et al, Comput Radiol 1986; 4: 175
- granulocytic sarcoma of the brain: case report and review of the literature, Barnett MJ; Zussman WV, Radiology 1986; 160: 223
- intracerebral chloromas: unusual computed tomography appearance of leukemic infiltration, Woo E; Yue CP; Mann KS; et al, CT 1986; 10: 365
- intracranial granulocytic sarcoma (chloroma): MR findings, Kao SCS; Yuh WTC; Sato Y; et al, JCAT 1987; 11: 938
- ## Cholangiography
- See Bile duct radiography
- ## Cholangitis
- acalculous inflammatory disease of the biliary tree in acquired immunodeficiency syndrome: CT demonstration, Radin DR; Cohen H; Halls JM, JCAT 1987; 11: 775
- biliary complications after liver transplantation in patients with preexisting sclerosing cholangitis, Letourneau JG; Day DL; Hunter DW; Ascher NL; Najarian JS; Thompson WM; Castaneda-Zuniga WR, Radiology 1988; 167: 349
- cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances, Lumsden AB; Alspaugh JP, Radiology 1986; 158: 856
- cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances: reply, MacCarty RL, Radiology 1986; 158: 856
- cholangitis in the acquired immunodeficiency syndrome: report of two cases and review of the literature, (ab), Roulot D; Valla D; Brun-Vezinet F; et al, Radiology 1988; 168: 291
- Everting balloon catheter in the biliary tree: technical note, Alspaugh JP; Martin LG; Chuang VP, Cardiovasc Intervent Radiol 1986; 9: 164
- gallbladder disease in patients with primary sclerosing cholangitis, Brandt DJ; MacCarty RL; Charboneau JW; et al, AJR 1988; 150: 571
- hepatocyte versus biliary disease: a distinction by deconvolutional analysis of technetium-99m IDA time-activity curves, Brown PH; Juni JE; Lieberman DA; et al, J Nucl Med 1988; 29: 623
- interventional radiologic management of sclerosing cholangitis, Kerlan RK Jr; LaBerge JM; Goldberg HI; et al, AJR 1986; 147: 1002
- non-Western patterns of biliary stones and the role of ascariasis, Schulman A, Radiology 1987; 162: 425
- percutaneous biliary drainage in acute suppurative cholangitis, Nunez D Jr; Guerra JJ Jr; Al-Sheikh WA; et al, Gastrointest Radiol 1986; 11: 85
- primary biliary cirrhosis: Tc-99m IDA planar and SPECT scanning, Keefe EB; Lieberman DA; Krishnamurthy S; Krishnamurthy GT; Gilbert SA, Radiology 1988; 166: 143
- primary sclerosing cholangitis in children: study of five cases and review of the literature, (ab), Sisto A; Feldman P; Garel L; et al, Radiology 1988; 168: 888
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, Radiology 1988; 166: 553
- recurrent pyogenic cholangitis: ultrasound evaluation compared with endoscopic retrograde cholangiopancreatography, Chau EMT; Leong LLY; Chan FL, Clin Radiol 1987; 38: 79
- resection of hepatic duct bifurcation and transhepatic stenting for sclerosing cholangitis, (ab), Cameron JL; Pitt HA; Zinner MJ; et al, Radiology 1988; 169: 880
- risks of percutaneous transhepatic drainage in patients with cholangitis, Lois JF; Gomes AS; Grace PA; et al, AJR 1987; 148: 367
- sclerosing cholangitis associated with hepatic arterial FUDR chemotherapy: radiographic-histologic correlation, Shea WJ Jr; Demas BE; Goldberg HI; et al, AJR 1986; 146: 717
- sclerosing cholangitis: CT findings, Teeffey SA; Baron RL; Rohmann CA; Shuman WP; Freeny PC, Radiology 1988; 169: 635
- segmental biliary obstruction: false-negative diagnosis with direct cholangiography without US guidance, Gibney RG; Cooperberg PL; Scudamore CH; Nagy AG, Radiology 1987; 164: 27
- sharp bone marrow uptake of indium-111 leukocytes in a splenectomized patient with sclerosing cholangitis, Oates E; Sarno RC, Clin Nucl Med 1988; 13: 623
- treatment of acute cholangitis: percutaneous transhepatic biliary drainage before definitive therapy, (ab), Pessa ME; Hawkins IF; Vogel SB, Radiology 1987; 164: 881
- ultrasonography of acute obstructive suppurative cholangitis: serial observation by ultrasound, Ishida H; Yagisawa H; Nasu H; et al, JCU 1987; 15: 51
- ## Cholecystitis
- acalculous cholecystitis as a complication of hepatitis, Friberg J; Sonstabo K; Joe GT; et al, Eur J Radiol 1987; 7: 153
- acute acalculous cholecystitis in salmonella infection, Roca M; Sellier N; Mensire A; et al, Pediatr Radiol 1988; 18: 421
- acute acalculous cholecystitis: sensitivity in detection using technetium-99m iminodiacetic acid cholescintigraphy, Swayne LC, Radiology 1986; 160: 33
- acute cholecystitis: diagnosis with radionuclide angiography, Colletti PM; Ralls PW; Siegel ME; Halls JM, Radiology 1987; 163: 615
- acute cholecystitis: diagnostic accuracy of percutaneous aspiration of the gallbladder, McCahan JP; Lindfors KK, Radiology 1988; 167: 669
- case report: atypical presentation of empyema of the gall bladder, Danher J; Campbell H; Mendelson RM, Clin Radiol 1987; 38: 655
- cholecystitis: detection with MR imaging, McCarthy SM; Hricak H; Cohen M; Fisher MR; Winkler ML; Filly RA; Margulis AR, Radiology 1986; 158: 333
- cholecystitis: diagnosis by MR imaging, Weissleder R; Stark DD; Compton CC; et al, Magn Res Imag 1988; 6: 345
- chronic acalculous gallbladder disease: multimodal evaluation with clinical-pathologic correlation, Raptopoulos V; Compton CC; Doherty P; et al, AJR 1986; 147: 721
- chronic cholecystitis: analysis of diagnostic strategies, Richter JM; Christensen MR; Simeone JF; et al, Invest Radiol 1987; 22: 111
- clinical efficacy of intravenous morphine administration in hepatobiliary imaging for acute cholecystitis, Vasquez TE; Greenspan G; Evans DG; et al, Clin Nucl Med 1988; 13: 4
- computed tomography as the method of choice in the diagnosis of emphysematous cholecystitis, Andreu J; Perez C; Caceres J; et al, Gastrointest Radiol 1987; 12: 315
- computed tomography of complicated cholecystitis, Lamki N; Raval B; St. Ville E, CT 1986; 10: 319
- computed tomography of gangrenous acute postoperative acalculous cholecystitis, Varma DGK; Faust JM, CT 1988; 12: 29
- computed tomography of xanthogranulomatous cholecystitis, Cossi AF; Scholz FJ; Aretz HT; et al, Gastrointest Radiol 1987; 12: 154
- CT diagnosis of acalculous cholecystitis, Mirvis SE; Whitley NO; Miller JW, JCAT 1987; 11: 83
- diagnosis of acute acalculous cholecystitis: comparison of sonography, scintigraphy, and CT, Mirvis SE; Vainright JR; Nelson AW; et al, AJR 1986; 147: 1171
- diagnostic accuracy of ultrasound in acute cholecystitis, Martinez A; Bona X; Velasco M; et al, Gastrointest Radiol 1986; 11: 334
- does positive hepatobiliary scan in cholecystitis stay positive, and for how long? Liu J; Mena I; McCartney S, Clin Nucl Med 1986; 11: 694
- effect of prolonged fasting and total parenteral nutrition on hepatobiliary imaging with technetium-99m DISIDA, Sipko WC; Moreno AJ; Cabellon S; et al, Clin Nucl Med 1987; 12: 169
- effervescent gallbladder: a sonographic sign of emphysematous cholecystitis, Nemcek AA Jr; Gore RM; Vogelzang RL; et al, AJR 1988; 150: 575
- emphysematous cholecystitis: complication of hepatic artery embolization, Nakamura H; Kondoh H, Cardiovasc Intervent Radiol 1986; 9: 152
- emphysematous cholecystitis: pitfalls in its plain film diagnosis, Brandon JC; Glick SN; Tepleck SK; et al, Gastrointest Radiol 1988; 13: 33
- emphysematous cholecystitis presenting with pneumoperitoneum, Radin DR; Halls JM, AJR 1987; 149: 1175
- enterogastric reflux in suspected acute cholecystitis, Colletti PM; Barakos JA; Siegel ME; et al, Clin Nucl Med 1987; 12: 533
- false negative sonographic finding in emphysematous cholecystitis, Hawass ND, Acta Radiol 1988; 29: 137

- focal acute acalculous cholecystitis, Warshaw D; Scott G; Gottschalk A, *AJR* 1987; 149: 505
- gallbladder perforation: diagnostic utility of cholecystography in suggested subacute or chronic cases, Smith R; Rosen JM; Alderson PO, *Radiology* 1986; 158: 63
- gallbladder visualization after hepatic washout, Drane WE, *Clin Nucl Med* 1987; 12: 453
- "halo" sign on indium-111 leukocyte scan in gangrenous cholecystitis, Bauman JM; Boykin M; Hartshorne MF; et al, *Clin Nucl Med* 1986; 11: 136
- hemorrhagic cholecystitis: sonographic appearance and clinical presentation, Chinn DH; Miller EI; Piper N, *J Ultrasound Med* 1987; 6: 313
- hepatic hot spot on both radiocolloid and hepatobiliary imaging in acute cholecystitis, Slavin JD Jr; Yousufi Z; Spencer RP, *Clin Nucl Med* 1987; 12: 536
- imaging of the gallbladder, 1987, Cooperberg PL; Gibney RG, *Radiology* 1987; 163: 605
- importance of early diagnosis of acute acalculous cholecystitis, (ab), Johnson LB, *Radiology* 1987; 164: 588
- morphine-augmented cholecystography in the diagnosis of acute cholecystitis, Kim EE; Piura GA; Lowry PA; et al, *AJR* 1986; 147: 1177
- percutaneous cholecystostomy: diagnostic and therapeutic efficacy, Vogelzang RL; Nemcek AA Jr, *Radiology* 1988; 168: 29
- pericholecystic hepatic activity sign in a normal DISIDA study: case report, Thorstad BL; Sakow N; Dubovsky EV; et al, *Clin Nucl Med* 1987; 12: 721
- phantom gallbladder: variant of the rim sign, Arose B; Shreeve WW; Baim RS; et al, *Clin Nucl Med* 1987; 12: 457
- radiologic findings in xanthogranulomatous cholecystitis, Hanada K; Nakata H; Nakayama T; et al, *AJR* 1987; 148: 727
- rim sign: association with acute cholecystitis, Bushnell DL; Perlman SB; Wilson MA; et al, *J Nucl Med* 1986; 27: 353
- scintigraphic findings in acute gangrenous cholecystitis, Shih W-J; Domsz P; Kenady DE; et al, *Clin Nucl Med* 1987; 12: 717
- sonographic features of mil. of calcium cholecystitis, Childress MH, *JCU* 1986; 14: 312
- striated intramural gallbladder lucencies on US studies: predictors of acute cholecystitis, Cohan RH; Mahony BS; Bowie JD; Cooper C; Baker ME; Illescas FF, *Radiology* 1987; 164: 31
- ultrasonography and gallbladder perforation in acute cholecystitis, Forsberg L; Andersson R; Hederström E; et al, *Acta Radiol* 1988; 29: 203
- ultrasound changes of the gallbladder wall in cholecystitis: a sonographic-pathological correlation, Lim JH; Ko Y; Kim SY, *Clin Radiol* 1987; 38: 389
- ultrasound demonstration of xanthogranulomatous cholecystitis, Lichtman JB; Varma VA, *JCU* 1987; 15: 342
- ultrasound-guided percutaneous transhepatic cholecystostomy for acute acalculous cholecystitis, (ab), Eggermont AM; Lameris JS; Jeekel J, *Radiology* 1986; 159: 570
- ultrasound in postoperative acalculous cholecystitis, Becker CD; Burckhardt B; Terrier F, *Gastrointest Radiol* 1986; 11: 47
- use of ultrasonographic risk score in the timing of operative intervention for acute cholecystitis, (ab), Miyazaki K; Uchiyama A; Nakayama F, *Radiology* 1988; 169: 286
- utility of indium-111-labeled leukocyte imaging in acute acalculous cholecystitis, Datz FL, *AJR* 1986; 147: 813
- Cholecystography**
See Gallbladder, radiography
- Cholecystokinin**
See Hormones
- Cholecystosonography**
See Gallbladder, US studies
- Cholecystostomy**
See Gallbladder, interventional procedure
- Choledochoplasty**
See Bile ducts, surgery
- Cholelithiasis**
See Gallbladder, calculi
- Cholescintigraphy**
See Gallbladder, radionuclide studies
- Cholesteatoma**
chronic otomastoiditis: conceptual understanding of CT findings, Mafee MF; Aimi K; Kahen HL; Valvassori GE; Capek V, *Radiology* 1986; 160: 193
- complicated cholesteatomas: CT findings in inner ear complications of middle ear cholesteatomas, Silver AJ; Janacka I; Wazen J; Hilal SK; Rutledge JN, *Radiology* 1987; 164: 47
- congenital cholesteatoma of the petrous pyramid, (ab), Horn KL; Shea JJ III; Brackmann DE, *Radiology* 1986; 160: 860
- congenital middle-ear deafness: CT study, Swartz JD; Glazer AU; Faerber EN; Capitanio MA; Popky GL, *Radiology* 1986; 159: 187
- hereditary congenital cholesteatoma: a variant of branchio-oto dysplasia, (ab), Lipkin AF; Coker NJ; Jenkins HA, *Radiology* 1987; 164: 591
- temporal bone region: high-resolution MR imaging using surface coils, Koenig H; Lenz M; Sauter R, *Radiology* 1986; 159: 191
- Cholesterol**
breast cancer risk in relation to serum cholesterol, serum beta-lipoprotein, height, weight, and blood pressure, Törnberg SA; Holm L-E; Carstensen JM, *Acta Oncol* 1988; 27: 31
- cholesterol granuloma of the facial skeleton, Lloyd GAS, *Br J Radiol* 1986; 59: 481
- chyliform (cholesterol) pleural effusion, (ab), Hillerdal G, *Radiology* 1986; 158: 857
- dissolution of cholesterol gallstones: comparison of solvents, Lee LL; McGahan JP, *Gastrointest Radiol* 1986; 11: 169
- risk of stomach cancer in association with serum cholesterol and beta-lipoprotein, Törnberg SA; Carstensen JM; Holm L-E, *Acta Oncol* 1988; 27: 39
- serum cholesterol and 25-year incidence of and mortality from myocardial infarction and cancer: the Zutphen Study, (ab), Kromhout D; Bosschieter EB; Drijver M; et al, *Radiology* 1988; 169: 291
- Chondroblastoma**
See Chondroma
- Chondrocalcinosis**
hereditary articular chondrocalcinosis: clinical and genetic features in 13 pedigrees, (ab), Rodriguez-Valverde V; Zuniga M; Casanueva B; et al, *Radiology* 1988; 167: 887
- localized chondrocalcinosis in traumatized joints, (ab), de Lange EE; Keats TE, *Radiology* 1986; 159: 573
- radiation-induced chondrocalcinosis of the knee articular cartilage, Collis CH; Dieppe PA; Bullimore JA, *Clin Radiol* 1988; 39: 450
- Chondroma**
about one case of vertebral chondroblastoma, Hoeffel JC; Brasse F; Schmitt M; et al, *Pediatr Radiol* 1987; 17: 392
- bone erosion in synovial chondromatosis, Norman A; Steiner GC, *Radiology* 1986; 161: 749
- bone scintigraphic demonstration of synovial chondromatosis, Smith R; Hulsey JM, *Clin Nucl Med* 1987; 12: 120
- case report 354, Lagier R, *Skeletal Radiol* 1986; 15: 179
- case report 373, Sotelo-Avila C; Sundaram M; Kyriakos M; et al, *Skeletal Radiol* 1986; 15: 387
- case report 382, Ohno T; Kadoya H; Park P; et al, *Skeletal Radiol* 1986; 15: 478
- case report 393, Perri G; Tripi D, *Skeletal Radiol* 1986; 15: 575
- case report 449, Howe JW; Baumgard S; Yochum TR; et al, *Skeletal Radiol* 1988; 17: 52
- case report 467, Sundaram M; McGuire MH; Naunheim K; et al, *Skeletal Radiol* 1988; 17: 136
- case report: a large soft-tissue chondroma arising from the posterior mediastinum, Widdowson DJ; Lewis-Jones HG, *Clin Radiol* 1988; 39: 333
- chondroblastoma arising in the triradiate cartilage: report of two cases with review of the literature, Matsuno T; Hasegawa I; Masuda T, *Skeletal Radiol* 1987; 16: 216
- chondroblastoma of temporal bone, Tanohata K; Noda M; Katoh H; et al, *Neuroradiol* 1986; 28: 367
- chondroma of falx: CT findings, Yang PJ; Seeger JF; Carmody RF; et al, *JCAT* 1986; 10: 1075
- computed tomography of intracranial chondroma with emphasis on delayed contrast enhancement, Tanohata K; Maehara T; Aida N; et al, *JCAT* 1987; 11: 820
- CT findings in synovial chondromatosis of the temporomandibular joint, Casselman JW; Demeulemeester L; Bossuyt M; et al, *JCAT* 1987; 11: 898
- general case of the day: annual meeting, 1985, Muhm JR, *Radiographics* 1986; 6: 914
- hyaline cartilage—origin bone and soft-tissue neoplasms: MR appearance and histologic correlation, Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML, *Radiology* 1988; 167: 477
- synovial chondromatosis of the hip joint presenting as a pathological fracture, Szypryt P; Twining P; Preston BJ; et al, *Br J Radiol* 1986; 59: 399
- temporomandibular joint chondromatosis with intracranial extension: MR and CT contributions, Nokes SR; King PS; Garcia R Jr; et al, *AJR* 1987; 148: 1173
- Chondromyxoid fibroma**
case report 454, Tang JSH; Gold RH; Mirra JM, *Skeletal Radiol* 1987; 16: 675
- chondromyxoid fibroma: report of three cases with predominant cortical involvement, Schajowicz F, *Radiology* 1987; 164: 783
- fibromyxoid chondromyxoid: aspects radiologique et radio-isotopique, Eybalin M-C; Danais S; Marton D; et al, *J Canad Assoc Radiol* 1988; 39: 148
- Chondroplasty**
chondromalacia patellae: assessment with MR imaging, Yulish BS; Montanez J; Goodfellow DB; Bryan PJ; Mulopulos GP; Modic MT, *Radiology* 1987; 164: 763
- Chondrosarcoma**
See Sarcoma
- Chordoma**
case report 357, Abdelwahab IF; O'Leary PF; Steiner GC; et al, *Skeletal Radiol* 1986; 15: 242
- charged particle irradiation of chordoma and chondrosarcoma of the base of skull and cervical spine: the Lawrence Berkeley Laboratory experience, Berson AM; Castro JR; Petti P; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 559
- chordoma: report on treatment results in eighteen cases, Lybeert MLM; Meerwaldt JH, *Acta Oncol* 1986; 25: 41
- chordoma: role of radiation therapy, Amendola BE; Amendola MA; Oliver E; McClatchey KD, *Radiology* 1986; 158: 839
- chordomas: MR imaging, Sze G; Uichanco LS III; Brant-Zawadzki MN; Davis RL; Gutin PH; Wilson CB; Norman D; Newton TH, *Radiology* 1988; 166: 187
- clivus chordoma in a child with tuberous sclerosis: CT and MR demonstration, Schroeder BA; Wells RG; Stanhak RJ; et al, *JCAT* 1987; 11: 195
- computed tomography of spinal chordomas, Firooznia H; Golimbu C; Rafii M; et al, *CT* 1986; 10: 45
- CT appearance of clival chordomas, Meyer JE; Oot RF; Lindom KK, *JCAT* 1986; 10: 34
- MR imaging of unusual chordomas, Yuh WTC; Flickinger FW; Barloon TJ; et al, *JCAT* 1988; 12: 30
- radiotherapy for chordoma, Fuller DE; Bloom JC, *Int J Radiat Oncol Biol Phys* 1988; 15: 331
- role of MR and CT in evaluating clival chordomas and chondrosarcomas, Oot RF; Melville GE; New PFJ; et al, *AJNR* 1988; 9: 715
- sacroccygeal chordoma: clinicoradiological study of 60 patients, Smith J; Ludwig RL; Marcove RC, *Skeletal Radiol* 1987; 16: 37
- spinal chordoma: radiologic features in 14 cases, de Bruine FT; Kroon HM, *AJR* 1988; 150: 861

Chordoma

thoracic chordoma with unusual radiographic features, Brooks M; Kleefield J; O'Reilly GV; et al, *Comput Radiol* 1987; 11: 85

Chorioangioma

See Placenta, neoplasms

Choroid plexus

CT and MR of angiomatous malformations of the choroid plexus in patients with Sturge-Weber disease, Stimac GK; Solomon MA; Newton TH, *AJNR* 1986; 7: 623

dose-dependent and time-dependent changes in the choroid plexus of the irradiated rat brain, Calvo W; Hopewell JW; Reinhold HS; et al, *Br J Radiol* 1987; 60: 1109

xanthogranulomas of choroid plexus, Handagoo P; Pitakdamrongwong N; Shuangahoti S, *Neuroradiol* 1987; 29: 172

Choroid plexus, CT

bright choroid plexus on MR: CT and pathologic correlation, Hinshaw DB Jr; Fahmy JL; Peckham N; et al, *AJNR* 1988; 9: 483

computed tomography of lipoma of corpus callosum and choroid plexus lipoma: report of two cases, Buxi TB; Mathur RK; Doda SS, *CT* 1987; 11: 57

Choroid plexus, MR studies

bright choroid plexus on MR: CT and pathologic correlation, Hinshaw DB Jr; Fahmy JL; Peckham N; et al, *AJNR* 1988; 9: 483

Choroid plexus, neoplasms

choroid plexus carcinoma: report of a case with positron emission tomographic study, Itoh Y; Kowada M; Mineura K, *Neuroradiol* 1986; 28: 374

choroid plexus metastasis: CT appearance, Kart BH; Reddy SC; Rao GR; et al, *JCAT* 1986; 10: 537

choroid plexus tumors: problems in diagnosis and management, (ab), Boyd MC; Steinbok P, *Radiology* 1988; 166: 591

congenital choroid plexus papilloma of the third ventricle: diagnosis with real-time sonography and MR imaging, Schellhas KP; Siebert KC; Heithoff KB; et al, *AJNR* 1988; 9: 797

interventricular extension of choroid plexus papillomas, Hopper KD; Foley LC; Nieves NL; et al, *AJNR* 1987; 8: 469

ultrasound detection of a choroid plexus papilloma of the third ventricle, Krul JM; Gooskens RH; Ramos L; et al, *J Neuroradiol* 1987; 14: 179

Choroid plexus, US studies

asymptomatic cysts of the fetal choroid plexus in the second trimester, Benacerraf BK, *J Ultrasound Med* 1987; 6: 475

dangling choroid plexus: a sonographic observation of value in excluding ventriculomegaly, Cardozo JD; Filly RA; Podrask AE, *AJR* 1988; 151: 767

normal and pathologic choroid plexus ultrasound, (ab), Veyrac C; Couture A, *Radiology* 1986; 158: 282

ultrasound detection of a choroid plexus papilloma of the third ventricle, Krul JM; Gooskens RH; Ramos L; et al, *J Neuroradiol* 1987; 14: 179

Chromosomes

See also Bones, chromosomal aberrations extending the range of sensitivity for detecting DNA strand breaks, Olive PL; Chan AFS; Cu CS; et al, *Br J Radiol* 1988; 61: 69

induction of sister-chromatid exchanges by d(42 MeV)-Be neutrons in unstimulated human-blood lymphocytes, Savage JRK; Holloway M, *Br J Radiol* 1988; 61: 231

lack of discernible effect of diagnostic ultrasound on the chromosomes of cord blood lymphocytes exposed *in utero*, Henderson LM; Aghamohammadi SZ; Arlett CE; et al, *Br J Radiol* 1986; 59: 499

role of proto-oncogenes in human cancer: implications for diagnosis and treatment, Cline MJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1297

Chromosomes, abnormalities

antenatal sonographic findings in trisomy 18, Bundy AL; Saltzman DH; Pober B; et al, *J Ultrasound Med* 1986; 5: 361

aortic dilation in Turner syndrome, (ab), Allen DB; Hendricks SA; Levy JM, *Radiology* 1987; 164: 884

comparative study of dose distribution of a high-energy electron beam and chromosome aberration frequencies, Matsubara S; Kuwabara Y; Horuchi J; et al, *Br J Radiol* 1986; 59: 1001

comparison of brain imaging and neuropathology in cases of trisomy 18 and 13, Inagaki M; Ando Y; Mito T; et al, *Neuroradiol* 1987; 29: 474

contrast media-induced chromosomal damage in human lymphocyte cultures, Parvez Z; Korman M; Moncada R; et al, *Invest Radiol* 1986; 21: 864

cytogenetic effects of cardioangiography on blood lymphocytes in children and *in vitro* effects of contrast medium and low dose radiation, Nikula E; Kiviniitty K, *Acta Oncol* 1987; 26: 69

importance of karyotype determination in a fetus with ventriculomegaly and spina bifida discovered during the third trimester, Chervenak FA; Goldberg JD; Chiu T-H; et al, *J Ultrasound Med* 1986; 5: 405

placental changes in fetal triploidy syndrome, Rubenstein JB; Swayne LC; Dize CA; et al, *J Ultrasound Med* 1986; 5: 545

prenatal sonographic diagnosis of triploidy, Edwards MT; Smith WL; Hanson J; et al, *J Ultrasound Med* 1986; 5: 279

Turner's syndrome, Verco PW; Barbary J; Enthoven C, *Australas Radiol* 1986; 30: 74

ultrasonography of Turner's syndrome, Shawker TH; Garra BS; Loriaux DL; et al, *J Ultrasound Med* 1986; 5: 125

Chrysotherapy

punctate intranodal gold deposits simulating microcalcifications on mammograms, Bruwer A; Nelson GW; Spark RP, *Radiology* 1987; 163: 87

Chyloperitoneum

CT diagnosis of traumatic rupture of the cisternal chyl, Watanabe AT; Jeffrey RB Jr, *JCAT* 1987; 11: 175

Chylothorax

chylothorax associated with tuberculous spondylitis, Menzies R; Hidvegi R, *J Canad Assoc Radiol* 1988; 39: 238

postpneumonectomy tension chylothorax, (ab), Karwande SV; Wolcott MW; Gay WA Jr, *Radiology* 1987; 163: 587

Cirrhosis

See Liver, cirrhosis

Cisternography

optic neurogram: evaluation of CSF "block" caused by compressive lesions at the optic canal, Jinkins JR, *AJNR* 1987; 8: 135

problems in air cisternography, (ab), Barrs DM; Vedder JS, *Radiology* 1987; 163: 591

Cisternography, CT

bulbar palsy aggravated by metrizamide CT cisternography, Woo E; Chan FL; Yu YL; et al, *Neuroradiol* 1987; 29: 219

CT iopamidol cisternography diagnosis of coexisting partial empty sella and pituitary adenoma: report of two cases, Pompili A; Iachetti M; Bianchini AL; et al, *Neuroradiol* 1987; 29: 93

false diagnosis of acoustic neuroma due to subdural injection during gas CT cisternogram, Larsson E-M; Holtas S, *JCAT* 1986; 10: 1025

gas CT cisternography of trigeminal neuralgia caused by AVM of the cerebellopontine angle, Kawano H; Hayashi M; Kobayashi H; et al, *AJNR* 1987; 8: 161

intermittent cerebrospinal liquororrhea: cerebral computed tomography in the non-drop period, Fagerlund M; Liliequist B, *Acta Radiol* 1987; 28: 189

intrathecal administration of iopamidol in children: clinical and diagnostic results, Wells RG; Seidel FG; Sty JR; et al, *Pediatr Radiol* 1988; 18: 190

Cisternography, radionuclide

isotope cisternography in patients with intracranial hypertension, Hayashi M; Kobayashi H; Kawano H; et al, *J Nucl Med* 1986; 27: 471

radionuclide cisternography and computed tomography in 30 healthy volunteers, Bergstrand G; Oxenstierna G; Flyckt L; et al, *Neuroradiol* 1986; 28: 154

Cisternography, technology

cerebrospinal fluid rhinorrhea: depiction with MR cisternography in dogs, Di Chiro G; Gorton ME; Frank JA; Dietz MJ; Gansow OA; Wright DC; Dwyer AJ, *Radiology* 1986; 160: 221

false diagnosis of acoustic neuroma due to subdural injection during gas CT cisternogram, Larsson E-M; Holtas S, *JCAT* 1986; 10: 1025

Clavicle

attenuation defects caused by prominent clavicles and first ribs in perfusion lung imaging, Lee HK; Skarzynski J, *Clin Nucl Med* 1988; 13: 545

case report 445, Podgorski MR; Ibels LS; Webb J, *Skeletal Radiol* 1987; 16: 589

condensing osteitis of the clavicle: case report and review of the literature, Outwater E; Oates E, *J Nucl Med* 1988; 29: 1122

costoclavicular joint, Redlund-Johnell I, *Skeletal Radiol* 1986; 15: 25

fracture of the clavicle in the newborn: an ultrasound diagnosis, Katz R; Landman J; Dulitzky F; et al, *J Ultrasound Med* 1988; 7: 21

inflammatory hyperostosis and sclerosis of the clavicle, Jurik AG; Moller BN, *Skeletal Radiol* 1986; 15: 284

primary tumors and tumor-like lesions of the clavicle, Smith J; Yappa F; Watson RC, *Skeletal Radiol* 1988; 17: 235

radionuclide and radiographic demonstration of condensing osteitis of the clavicle, Stewart CA; Siegel ME; King D; et al, *Clin Nucl Med* 1988; 13: 177

radionuclide and radiographic diagnosis of sternocostoclavicular hyperostosis, Rosenthal L; Burke DL, *Clin Nucl Med* 1986; 11: 322

scintigraphic detection of clavicular hyperostosis in a patient with fulminant acne, Madsen JL, *Clin Nucl Med* 1988; 13: 345

sternocostoclavicular hyperostosis: review and report of 11 cases, Sartoris DJ; Schreiman JS; Kerr R; Resnick CS; Resnick D, *Radiology* 1986; 158: 125

stress-induced osteolysis of the clavicle, Kaplan PA; Resnick D, *Radiology* 1986; 158: 139

Cobalt, radioactive

effects of varying geometry on dose calibrator response: cobalt-57 and technetium-99m, Calhoun JM; Golas DB; Harris SG, *J Nucl Med* 1987; 28: 1478

human lung tumors: SPECT quantitation of differences in Co-57 bleomycin uptake, Front D; Israel O; Iosilevsky G; Even-Sapir E; Frenkel A; Peleg H; Steiner M; Kuten A; Kolodny GM, *Radiology* 1987; 165: 129

Coccidioidomycosis

coccidioidomycosis in renal dialysis and transplant patients: radiologic findings in 30 patients, Yoshino MT; Hillman BJ; Gagliardi JN, *AJR* 1987; 149: 989

nuclear imaging in coccidioidomycosis, Moreno AJ; Weisman IM; Rodriguez AA; et al, *Clin Nucl Med* 1987; 12: 604

Cockayne syndrome

See Bones, osteochondrodysplasias

Colitis

acidosis and hepatic portal venous gas: indications for surgery in necrotizing enterocolitis, (ab), Buras R; Guzzetta P; Avery G; et al, *Radiology* 1987; 162: 591

analysis of bowel perforation in necrotizing enterocolitis, Frey EE; Smith W; Franken EA Jr; et al, *Pediatr Radiol* 1987; 17: 380

chronic colitis with thickening of the subepithelial collagen layer (collagenous colitis): histopathologic findings in 15 patients, (ab), Jessurun J; Yardley JH; Giardiello FM; et al, *Radiology* 1988; 166: 291

colitis cystica profunda: presenting with complete intestinal obstruction and recurrence, (ab), Bentley E; Chandrasoma P; Cohen H; et al, *Radiology* 1986; 160: 284

colorectal cancer in ulcerative colitis: a cohort study of primary referrals from three centers, (ab), Gyde SN; Prior P; Allan RN; et al, *Radiology* 1988; 169: 286

computed tomographic findings of giant intestinal pseudopolypoidosis, Archibald GR; Scholz FJ; Larsen CR, *Gastrointest Radiol* 1988; 13: 155

computed tomography of the rectum, Thompson WM; Halvorsen RA Jr; Foster WL Jr; Roberts L; Gibbons R, *Radiographics* 1987; 7: 773

CT appearance of antibiotic-induced colitis, Letourneau JG; Day DL; Steely JW; et al, *Gastrointest Radiol* 1987; 12: 257

- CT-guided percutaneous catheter cecostomy, Haaga JR; Bick RJ; Zollinger RM Jr, *Gastrointest Radiol* 1987; 12: 166
- cytomegalovirus colitis in acquired immune deficiency syndrome: radiologic spectrum, Frager DH; Frager JD; Wolf EL; et al, *Gastrointest Radiol* 1986; 11: 241
- enterocyst formation: late complication of neonatal necrotizing enterocolitis, Ball TJ; Wyly JB, *AJR* 1986; 147: 806
- gastric distension in neonatal necrotizing enterocolitis, Odita JC; Omene JA; Okolo AA, *Pediatr Radiol* 1987; 17: 202
- giant and symptomatic inflammatory polyps of the colon in idiopathic inflammatory bowel disease, (ab), Kelly JK; Langevin JM; Price LM; et al, *Radiology* 1987; 162: 883
- infective enterocolitides, Gardiner R; Smith C, *Radiol Clin North Am* 1987; 25: 67
- necrotizing enterocolitis: value of radiographic findings to predict outcome, Kosloske AM; Mussemche CA; Ball WS Jr; et al, *AJR* 1988; 151: 771
- neutropenic colitis: evaluation with computed tomography, Van WG; Seelig R; Mahanta B; et al, *CT* 1988; 12: 211
- per anal balloon dilatation of a post-necrotizing enterocolitis stricture of the sigmoid colon, Renfrew DL; Smith WL; Pringle KC, *Pediatr Radiol* 1986; 16: 320
- persistent loop sign in neonatal necrotizing enterocolitis: new cause, Weinstein MM, *Pediatr Radiol* 1986; 16: 71
- pyocolon: an unusual manifestation of colon ischemia, Ouellet J-Y; Duprat G Jr; Laperrière J; et al, *J Canad Assoc Radiol* 1988; 39: 235
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, *Radiology* 1988; 166: 553
- small intestine ischemia simulating primary colonic disease, Glick SN; Teplick SK; Whiteman MS; Haskin PH, *Radiology* 1987; 164: 43
- sonography in the diagnosis of neutropenic colitis, Glass-Royal MC; Choyke PL; Gootenberg JE; et al, *J Ultrasound Med* 1987; 6: 671
- successful management of catastrophic gastrointestinal involvement in polyarteritis nodosa, (ab), Karp DR; Kantor OS; Halverson JD; et al, *Radiology* 1988; 169: 880
- use of the barium enema in the diagnosis of necrotizing enterocolitis, Uken F; Smith W; Franken EA; et al, *Pediatr Radiol* 1988; 18: 24
- Colitis, granulomatous**
- solitary colonic polyp: radiologic-histologic differentiation and significance, Olmsted WW; Ros PR; Sobin LH; Dachman AH, *Radiology* 1986; 160: 9
- Colitis, ischemic**
- ischemic colitis: serial changes in double-contrast barium enema examination, Iida M; Matsui T; Fuchigami T; Iwashita A; Yao T; Fujishima M, *Radiology* 1986; 159: 337
- ischemic colitis: serial changes in double-contrast barium enema examination, Reenders JWAJ; Tytgat GNJ, *Radiology* 1987; 162: 583
- Colitis, pseudomembranous**
- absorption and excretion of dilute Gastrografin during computed tomography in pseudomembranous colitis, Marinelli DL; Mintz MC, *CT* 1987; 11: 236
- CT appearance of focal pseudomembranous colitis, Yankes JR; Baker ME; Cooper C; et al, *JCAT* 1988; 12: 394
- diagnosis of pseudomembranous colitis by computed tomography: report of two patients, Mukai JK; Janower ML, *J Canad Assoc Radiol* 1987; 38: 62
- pseudomembranous colitis: CT evaluation, Merline DS; Fishman EK; Jones B, *JCAT* 1987; 11: 1017
- Colitis, ulcerative**
- colitis: radiographic features and differentiation of idiopathic inflammatory bowel disease, Caroline DF; Evers K, *Radiol Clin North Am* 1987; 25: 47
- computed tomographic demonstration of intramural colonic air (pneumatosis coli) as a feature of severe ulcerative colitis, Solomon A; Bar-Ziv J; Stern D; et al, *Gastrointest Radiol* 1987; 12: 169
- radiographic appearance of mucosal dysplasia associated with ulcerative colitis, Hooyman JR; MacCarty RL; Carpenter HA; et al, *AJR* 1987; 149: 47
- radiographic appearance of the endorectal pull-through, Bank ER; White SJ; Coran AG, *Pediatr Radiol* 1986; 16: 216
- solitary colonic polyp: radiologic-histologic differentiation and significance, Olmsted WW; Ros PR; Sobin LH; Dachman AH, *Radiology* 1986; 160: 9
- ultrasound findings in Crohn's disease and ulcerative colitis: prospective study, Worlicek H; Lutz H; Heyder N; et al, *JCU* 1987; 15: 153
- Colon**
- See also Gastrointestinal tract; Intestines
- microcolon of prematurity: form of functional obstruction, Amodio JB; Berdon WE; Abramson SJ; et al, *AJR* 1986; 146: 239
- Colon, abnormalities**
- colonic duplication in an adult, Baro P; Casas JD; Sanchez D, *Eur J Radiol* 1988; 8: 199
- complications of colonic interposition, (ab), Larson TC III; Shuman LS; Libshitz HI; et al, *Radiology* 1986; 158: 567
- duplication of the colon: varied presentations of a rare congenital anomaly, Carr SL; Shaffer HA Jr; de Lange EE, *J Canad Assoc Radiol* 1988; 39: 29
- neonatal small left colon in an infant with cystic fibrosis, Ellerbroek C; Smith WL, *Pediatr Radiol* 1986; 16: 162
- Colon, aganglionosis**
- adult Hirschprung disease: radiographic findings, Mindelzun RE; Hicks SM, *Radiology* 1986; 160: 623
- bowel perforation in Hirschsprung's disease, Newman B; Nussbaum A; Kirkpatrick JA Jr, *AJR* 1987; 148: 1195
- CT findings in rectal cuff abscess following surgery for Hirschsprung's disease, Donaldson JS; Gilsanz V, *JCAT* 1986; 10: 151
- Hirschsprung's disease and asymptomatic malrotation: rare association, Tamburrini O; Bartolomeo-De Iuri A; Palescandolo P; et al, *Pediatr Radiol* 1986; 16: 250
- Hirschsprung's disease: clinical and pathologic overview, (ab), Bilsard KS; Kleinman R, *Radiology* 1987; 163: 295
- prenatal sonographic diagnosis of Hirschsprung's disease, Vermesh M; Mayden KL; Confino E; et al, *J Ultrasound Med* 1986; 5: 37
- segmental intestinal muscular thinning: a possible cause of intestinal obstruction in the newborn, Johnson JF; Coughlin WF; Pearson JT; Hill RB; Huang Y-C, *Radiology* 1987; 165: 659
- Colon, anatomy**
- agenesis of the right lobe of the liver, Radin DR; Colletti PM; Ralls PW; Boswell WD Jr; Halls JM, *Radiology* 1987; 164: 639
- retrorenal colon in the supine and prone patient, Hopper KD; Sherman JL; Luetke JM; Ghaed N, *Radiology* 1987; 162: 443
- Colon, CT**
- carcinoma of the colon: detection and preoperative staging by CT, Balthazar EJ; Megibow AJ; Hulnick D; et al, *AJR* 1988; 150: 301
- cecal diverticulitis: evaluation with CT, Balthazar EJ; Megibow AJ; Gordon RB; Hulnick DH, *Radiology* 1987; 162: 79
- cecal diverticulitis: evaluation with CT, Hall FM, *Radiology* 1987; 163: 832
- cecal diverticulitis evaluation with CT: reply, Balthazar EJ, *Radiology* 1987; 163: 832
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence, Freeny PC; Marks WM; Ryan JA; Bolen JW, *Radiology* 1986; 158: 347
- colorectal carcinoma: radiologic and clinical review, Kelvin FM; Maglinte DDT, *Radiology* 1987; 164: 1
- computed tomographic air enema technique to demonstrate colonic neoplasms, Solomon A; Michowitz M; Papo J; et al, *Gastrointest Radiol* 1986; 11: 194
- computed tomographic demonstration of intramural colonic air (pneumatosis coli) as a feature of severe ulcerative colitis, Solomon A; Bar-Ziv J; Stern D; et al, *Gastrointest Radiol* 1987; 12: 169
- computed tomographic staging of gastrointestinal malignancies part II. small bowel, colon, and rectum, Thompson WM; Halvorsen RA Jr, *Invest Radiol* 1987; 22: 96
- computed tomography of colorectal carcinoma: preoperative staging and detection of recurrence, Freeny PC; Marks WM; Ryan JA; et al, *Semin US CT MR* 1987; 8: 432
- computed tomography of intussusception due to colon lipoma, Hodgman CG; Lantz EJ; Maus TP; et al, *JCAT* 1987; 11: 740
- computed tomography of isolated osteoblastic colon metastases in the bony pelvis, Paling MR; Pope TL, *CT* 1988; 12: 203
- CT appearance of antibiotic-induced colitis, Letourneau JG; Day DL; Steely JW; et al, *Gastrointest Radiol* 1987; 12: 257
- CT appearance of focal pseudomembranous colitis, Yankes JR; Baker ME; Cooper C; et al, *JCAT* 1988; 12: 394
- CT appearance of giant colonic diverticulum, Fields SI; Haskell L; Libson E, *Gastrointest Radiol* 1987; 12: 71
- CT demonstration of a giant colonic diverticulum, Smith TR; Tyler IM, *Gastrointest Radiol* 1987; 12: 73
- CT of the bowel: use of water to enhance depiction, Angelelli G; Macarini L, *Radiology* 1988; 169: 848
- diagnosis of acute colonic diverticulitis: comparison of barium enema and CT, Johnson CD; Baker ME; Rice RP; et al, *AJR* 1987; 148: 541
- diagnosis of pseudomembranous colitis by computed tomography: report of two patients, Mukai JK; Janower ML, *J Canad Assoc Radiol* 1987; 38: 62
- diverticulitis of the right colon: CT observations, Scatarige JC; Fishman EK; Crist DW; et al, *AJR* 1987; 148: 737
- giant pseudopolypoid in Crohn's disease with computed tomography correlation, Federaro AE; Barloon TJ; Murray JA, *CT* 1987; 11: 288
- neutropenic colitis: evaluation with computed tomography, Van WG; Seelig R; Mahanta B; et al, *CT* 1988; 12: 211
- pelvic exenteration: role of CT in follow-up, Pan G; Shirkhoda A, *Radiology* 1987; 164: 665
- percutaneous cecostomy for decompression of the massively distended cecum, Casola G; Withers C; vanSonnenberg E; Herba MJ; Saba RM; Brown RA, *Radiology* 1986; 158: 793
- perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations, Hulnick DH; Megibow AJ; Balthazar EJ; Gordon RB; Surapani R; Bosniak MA, *Radiology* 1987; 164: 611
- pseudomembranous colitis: CT evaluation, Merline DS; Fishman EK; Jones B, *JCAT* 1987; 11: 1017
- recurrent colorectal carcinoma: evaluation with barium enema examination and CT, Chen YM; Ott DJ; Wolfman NT; Gelfand DW; Karstaedt N; Bechtold RE, *Radiology* 1987; 163: 307
- role of computed tomography in diverticulitis, Raval B; Lamki N; St. Ville E, *CT* 1987; 11: 144
- staging cecal and ascending colon carcinoma with computed tomography, Solomon A; Bar-Ziv J; Stern D, *Gastrointest Radiol* 1988; 13: 152
- utility of computed tomography in colonic diverticulitis, (ab), Morris J; Stellato TA; Haaga JR; et al, *Radiology* 1987; 162: 586
- Colon, diseases**
- adult Hirschprung disease: radiographic findings, Mindelzun RE; Hicks SM, *Radiology* 1986; 160: 623
- Crohn disease of the ileocecal region: US visualization of the appendix, Puyllaert JBCM; van der Werf SDJ; Ulrich C; Veldhuizen RW, *Radiology* 1988; 166: 741
- Colon, diverticula**
- acute diverticulitis in patients under 40 years of age: radiologic diagnosis, Feczko PJ; Nish AD; Craig BM; et al, *AJR* 1988; 150: 1311
- acute diverticulitis of the cecum and ascending colon diagnosed by computed tomography, (ab), Crist DW; Fishman EK; Scatarige JC; et al, *Radiology* 1988; 168: 586

Colon, diverticula

- cecal diverticulitis: evaluation with CT, Balthazar EJ; Megibow AJ; Gordon RB; Hulnick DH, *Radiology* 1987; 162: 79
- cecal diverticulitis: evaluation with CT, Hall FM, *Radiology* 1987; 163: 832
- cecal diverticulitis evaluation with CT: reply, Balthazar EJ, *Radiology* 1987; 163: 832
- CT appearance of giant colonic diverticulum, Fields SI; Haskell L; Libson E, *Gastrointest Radiol* 1987; 12: 71
- CT demonstration of a giant colonic diverticulum, Smith TR; Tyler IM, *Gastrointest Radiol* 1987; 12: 73
- diagnosis of acute colonic diverticulitis: comparison of barium enema and CT, Johnson CD; Baker ME; Rice RP; et al, *AJR* 1987; 148: 541
- diverticular abscesses: percutaneous drainage, Neff CC; vanSonnenberg E; Casola G; Wittich GR; Hoyt DB; Halasz NA; Martini DJ, *Radiology* 1987; 163: 15
- diverticular disease: imaging with post-double-contrast sigmoid flush, Lappas JC; Maglinte DDT; Kopecky KK; Cockerill EM; Lehman GA, *Radiology* 1988; 168: 35
- diverticulitis of the right colon: CT observations, Scatena JC; Fishman EK; Crist DW; et al, *AJR* 1987; 148: 737
- role of computed tomography in diverticulitis, Raval B; Lamki N; St. Ville E, *CT* 1987; 11: 144
- sigmoid diverticular abscesses: percutaneous drainage as an adjunct to surgical resection in 24 cases, Mueller PR; Saini S; Wittenburg J; Simeone JF; Hahn PF; Steiner E; Dawson SL; Butch RJ; Stark DD; Ottinger LW; Rodkey GV; Bousquet J-C; Ferrucci JT Jr, *Radiology* 1987; 164: 321
- ureteral involvement secondary to diverticulitis of the colon, (ab), Ney C; Cruz FS Jr; Carvajal S; et al, *Radiology* 1987; 162: 886
- utility of computed tomography in colonic diverticulitis, (ab), Morris J; Stellato TA; Haaga JR; et al, *Radiology* 1987; 162: 586
- Colon, enlarged**
- CT-guided percutaneous catheter cecostomy, Haaga JR; Bick RJ; Zollinger RM Jr, *Gastrointest Radiol* 1987; 12: 166
- per anal balloon dilatation of a post-necrotizing enterocolitis stricture of the sigmoid colon, Renfrew DL; Smith WL; Pringle KC, *Pediatr Radiol* 1986; 16: 320
- percutaneous cecostomy for decompression of the massively distended cecum, Casola G; Withers C; vanSonnenberg E; Herba MJ; Saba RM; Brown RA, *Radiology* 1986; 158: 793
- toxic dilatation of the colon, Halpert RD, *Radiol Clin North Am* 1987; 25: 147
- Colon, function**
- colonic transit and anorectal manometry in chronic idiopathic constipation, (ab), Wald A, *Radiology* 1987; 162: 883
- Colon, gas**
- retrorenal colon in the supine and prone patient, Hopper KD; Sherman JL; Luetheke JM; Ghaed N, *Radiology* 1987; 162: 443
- Colon, hemorrhage**
- cecal angiodysplasia localized by ^{99m}Tc-technetium blood-pool scintigraphy and specimen venography, Vyberg M; Miskowiak J; Nielsen SL; et al, *Cardiovasc Intervent Radiol* 1986; 9: 28
- detection of massive colonic haemorrhage by selective coeliac arteriography, Alpert M; Brody S, *Br J Radiol* 1987; 60: 190
- middle mesenteric artery, Lawdahl RB; Keller FS, *Radiology* 1987; 165: 371
- transcatheter control of postpolypectomy hemorrhage, Sanchez FW; Rogers JM; Vujic J; et al, *Gastrointest Radiol* 1986; 11: 254
- Colon, inflammation**
- See Colitis
- Colon, ischemia**
- localized colonic ischemia simulating annular carcinoma, Nguyen KT; Place CR; Mackie KW, *J Canad Assoc Radiol* 1987; 38: 141
- pyocolon: an unusual manifestation of colon ischemia, Ouellet J-Y; Duprat G Jr; Laperrière J; et al, *J Canad Assoc Radiol* 1988; 39: 235
- simulation of colonic carcinoma by ischemia, (ab), Brandt LJ; Katz HJ; Wolf EL; et al, *Radiology* 1986; 158: 568
- Colon, MR studies**
- colorectal carcinoma: radiologic and clinical review, Kelvin FM; Maglinte DDT, *Radiology* 1987; 164: 1
- MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis, Gomberg JS; Friedman AC; Radecki PD; et al, *Gastrointest Radiol* 1986; 11: 361
- MR imaging of recurrent colorectal carcinoma versus fibrosis, Rafto SE; Amendola MA; Geffer WB, *JCAT* 1988; 12: 521
- Colon, mucosa**
- coiled-spring sign of the cecum in acute appendicitis, Demos TC; Flisak ME, *AJR* 1986; 146: 45
- radiographic appearance of mucosal dysplasia associated with ulcerative colitis, Hooymann JR; MacCarty RL; Carpenter HA; et al, *AJR* 1987; 149: 47
- Colon, neoplasms**
- bowel cancer characteristics in patients with regional enteritis, Miller TL; Skucas J; Gudex D; et al, *Gastrointest Radiol* 1987; 12: 45
- bowler hat: valid sign of colonic polyps?, Tobin KD; Young JWR, *Gastrointest Radiol* 1987; 12: 250
- carcinoma of the colon: detection and preoperative staging by CT, Balthazar EJ; Megibow AJ; Hulnick D; et al, *AJR* 1988; 150: 301
- carcinoma of the colon: diagnosis by ultrasound and enema, Cremin BJ; Brown RA, *Pediatr Radiol* 1987; 17: 319
- changes in diagnostic investigation and improved detection of colon cancer, Manitoba 1964-1984, Semelka RC; MacEwan DW, *J Canad Assoc Radiol* 1987; 38: 251
- colon carcinoma metastatic to the thyroid gland, Lester JW Jr; Carter MP; Berens SV; et al, *Clin Nucl Med* 1986; 11: 634
- colonic cleansing for radiographic detection of neoplasia: efficacy of the magnesium citrate-castor oil-cleansing enema regimen, Gelfand DW; Chen YM; Ott DJ, *AJR* 1988; 151: 705
- colonic lymphoid follicles associated with colonic neoplasms, Glick SN; Teplick SK; Ross WM, *Radiology* 1988; 168: 603
- colorectal cancer in ulcerative colitis: a cohort study of primary referrals from three centers, (ab), Gyde SN; Prior P; Allan RN; et al, *Radiology* 1988; 169: 286
- colorectal carcinoma detected initially with barium enema examination: site distribution and implications, Kelvin FM; Maglinte DDT; Stephens BA, *Radiology* 1988; 169: 649
- colorectal carcinoma: detection with indium-111 anticarcinoembryonic-antigen monoclonal antibody ZCE-025, Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW, *Radiology* 1987; 164: 617
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence, Freeny PC; Marks WM; Ryan JA; Bolen JW, *Radiology* 1986; 158: 347
- colorectal carcinoma: radiologic and clinical review, Kelvin FM; Maglinte DDT, *Radiology* 1987; 164: 1
- colorectal hemangioma: radiologic findings, Dachman AH; Ros PR; Shekita KM; Buck JL; Olmsted WW; Hinton CB, *Radiology* 1988; 167: 31
- colorectal neoplasms: accuracy of US in demonstrating the depth of invasion, Wang KY; Kimmerly MB; Nyberg DA; Mack LA; Haggitt RC; Shuman WP; Franklin DW; Silverstein FE, *Radiology* 1987; 165: 827
- colorectal polyps: a correlation of radiological and pathological findings, Spencer NJB; Richards DG; Bartlett P; et al, *Clin Radiol* 1988; 39: 407
- colorectal tumors: scintigraphy with In-111 anti-CEA monoclonal antibody and correlation with surgical, histopathologic, and immunohistochemical findings, Abdel-Nabi HH; Schwartz AN; Goldfogel G; Ortmann-Nabi JA; Matsuoka DM; Unger MW; Wechter DG, *Radiology* 1988; 166: 747
- computed tomographic air enema technique to demonstrate colonic neoplasms, Solomon A; Michowitz M; Pajo J; et al, *Gastrointest Radiol* 1986; 11: 194
- computed tomographic staging of gastrointestinal malignancies part II. small bowel, colon, and rectum, Thompson WM; Halvorsen RA Jr, *Invest Radiol* 1987; 22: 96
- computed tomography of calcified metastases to skeletal muscle from adenocarcinoma of the colon, Caskey CJ; Fishman EK, *CT* 1988; 12: 199
- computed tomography of colorectal carcinoma: preoperative staging and detection of recurrence, Freeny PC; Marks WM; Ryan JA; et al, *Semin US CT MR* 1987; 8: 432
- computed tomography of isolated osteoblastic colon metastases in the bony pelvis, Paling MR; Pope TL, *CT* 1988; 12: 203
- CT-guided laser therapy in resistant human tumors: phase I clinical trials, Gatenby RA; Hartz WH; Engstrom PF; Rosenblum JS; Hammond ND; Kessler HB; Moldofsky PJ; Clair MR; Unger E; Broder GJ, *Radiology* 1987; 163: 172
- CT of the bowel: use of water to enhance depiction, Angelelli G; Macarini L, *Radiology* 1988; 169: 848
- detection of colonic polyps on single-contrast barium enema study: emphasis on the elderly, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1987; 164: 333
- experimental model for pharmacokinetic studies of monoclonal antibodies in human colon cancer, Ahlström H; Carlsson L; Hedin A; et al, *Acta Oncol* 1987; 26: 447
- false-positive leukocyte imaging: case of colon carcinoma, Bauman JM; Hartshorne MF; Cawthon MA; et al, *Clin Nucl Med* 1986; 11: 211
- false positive localization of indium-111 granulocytes in colonic carcinoma, Savarymurtu SH; Maltby P; Batnan P; et al, *Br J Radiol* 1986; 59: 773
- gallbladder carcinoma in association with polyposis coli, Willson SA; Princintall RA; Law B; et al, *Br J Radiol* 1987; 60: 771
- giant and symptomatic inflammatory polyps of the colon in idiopathic inflammatory bowel disease, (ab), Kelly JK; Langevin JM; Price LM; et al, *Radiology* 1987; 162: 883
- giant pseudopolyposis in Crohn's disease with computed tomography correlation, Foderaro AE; Barloon TJ; Murray JA, *CT* 1987; 11: 288
- intraluminal meniscoid ulcer in the colon: unusual sign of malignancy, Siskind BN; Burrell MI, *Gastrointest Radiol* 1986; 11: 251
- liver metastases from colorectal cancers: detection with CT during arterial portography, Matsui O; Takashima T; Kadoya M; Suzuki M; Hirose J; Kameyama T; Choto S; Konishi H; Ida M; Yamaguchi A; Izumi R, *Radiology* 1987; 165: 65
- localization of radioiodinated monoclonal antibody in colorectal cancer: initial dosimetry results, (ab), Cohen KH; Welt S; Banner WP; et al, *Radiology* 1988; 167: 882
- localization of ^{99m}Tc-HMDP in hepatic metastases from colonic carcinoma, Shih W-J; Domstad PA; Lieber A; et al, *AJR* 1986; 146: 333
- lymphoma, melanoma, colon cancer: diagnosis and treatment with radiolabeled monoclonal antibodies, the 1986 Eugene P. Fendlergrass New Horizons Lecture, Larson SM, *Radiology* 1987; 165: 297
- man who hated hospitals, Morewood DJW; Lamb GHR, *Br J Radiol* 1986; 59: 793
- metastases in small lymph nodes from colon cancer, (ab), Herrera-Ornelas L; Justiniano J; Castillo N; et al, *Radiology* 1988; 167: 290
- metastatic colon cancer: correlation of oxygen levels with I-131 F(ab')₂ uptake, Gatenby RA; Moldofsky PJ; Weiner LM, *Radiology* 1988; 166: 757
- MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis, Gomberg JS; Friedman AC; Radecki PD; et al, *Gastrointest Radiol* 1986; 11: 361

- MR imaging of recurrent colorectal carcinoma versus fibrosis, Rafto SE; Amendola MA; Gefter WB, *JCAT* 1988; 12: 521
- oral fluorouracil versus intravenous 5-fluorouracil: a comparative study in patients with colorectal cancer, Andersen E; Pedersen H, *Acta Oncol* 1987; 26: 433
- pelvic exenteration: role of CT in follow-up, Pan G; Shirkhoda A, *Radiology* 1987; 164: 665
- perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations, Hulnick DH; Megibow AJ; Balthazar EJ; Gordon RB; Surapenini R; Bosniak MA, *Radiology* 1987; 164: 611
- peripheral low-density area of hepatic tumors: CT-pathologic correlation, Muramatsu Y; Takayasu K; Moriyama N; Shima Y; Goto H; Ushio K; Yamada T; Hasegawa H; Koyama Y; Hirohashi S, *Radiology* 1986; 160: 49
- peripheral low-density area of hepatic tumors: CT-pathologic correlation, Itai Y, *Radiology* 1987; 162: 876
- peripheral low-density area of hepatic tumors: CT-pathologic correlation: reply, Muramatsu Y, *Radiology* 1987; 162: 876
- peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman M; Schlom J; Larson SM, *Radiology* 1988; 167: 35
- positive gastrointestinal bleeding study from tumor extension into intestine, Mack JM; Rosenberg RJ; Spencer RP, *Clin Nucl Med* 1987; 12: 820
- present status of the radiologic examination of the colon, Margulis AR; Thoeni RF, *Radiology* 1988; 167: 1
- primary lymphoma of the ascending colon: sonographic demonstration, Parker LA; Vincent LM; Ryan FP; et al, *JCU* 1986; 14: 221
- problems in the colonoscopic localization of tumors: continued value of the barium enema, Frager DH; Frager JD; Wolf EL; et al, *Gastrointest Radiol* 1987; 12: 343
- radiographic appearance of the endorectal pull-through, Bank ER; White SJ; Coran AG, *Pediatr Radiol* 1986; 16: 216
- radiographic findings in overlooked colon carcinomas: a retrospective analysis, Fork F-T, *Acta Radiol* 1988; 29: 331
- radioimmunoscintigraphy of colon cancer with iodine-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; et al, *J Nucl Med* 1988; 29: 1022
- reassessing the role of radiology in Hemocult screening, Feczko PJ; Halpert RD, *AJR* 1986; 146: 697
- recurrent colorectal carcinoma: evaluation with barium enema examination and CT, Chen YM; Ott DJ; Wolfman NT; Gelfand DW; Karstaedt N; Bechtold RE, *Radiology* 1987; 163: 307
- regional adjuvant irradiation for adenocarcinoma of the cecum, Shehata WM; Meyer RL; Jazy FK; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 843
- relationship between duodenal bile acids and colorectal neoplasia, (ab), Moorehead RJ; Campbell GR; Donaldson JD; et al, *Radiology* 1988; 168: 291
- results of a mass screening program for colorectal cancer, (ab), Miller MP; Stanley TV, *Radiology* 1988; 167: 882
- role of preoperative intravenous pyelogram in operations performed for carcinoma of the colon and rectum, (ab), Tarter PI; Steinberg BM, *Radiology* 1987; 162: 290
- sensitivity of double-contrast barium study for left-colon polyps, Rex DK; Lehman GA; Lappas JC; Miller RE, *Radiology* 1986; 158: 69
- sequential 5-fluorouracil and methotrexate: negative experience in metastatic colorectal cancer, Wanderer EH; Fosá SD; Tveit KM; et al, *Acta Oncol* 1987; 26: 289
- single-contrast vs double-contrast barium enema in the detection of colonic polyps, Ott DJ; Chen YM; Gelfand DW; et al, *AJR* 1986; 146: 993
- single- versus double-contrast barium studies in elderly patients, Millward S, *Radiology* 1988; 166: 578
- single- versus double-contrast barium studies in elderly patients: reply, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1988; 166: 578
- solitary colonic polyp: radiologic-histologic differentiation and significance, Olmsted WW; Ros PR; Sobin LH; Dachman AH, *Radiology* 1986; 160: 9
- staging cecal and ascending colon carcinoma with computed tomography, Solomon A; Bar-Ziv J; Stern D, *Gastrointest Radiol* 1988; 13: 152
- ultrasonic demonstration of a pedunculated colonic polyp, Skaane P, *JCU* 1987; 15: 204
- ultrasonographic diagnosis of clinically non-palpable primary colonic neoplasms, Price J; Metreweli C, *Br J Radiol* 1988; 61: 190
- umbilicated adenomas in familial polyposis coli: radiologic and histologic correlation (case report), Smith HJ; Lee EL, *AJR* 1986; 147: 61
- unusual appearance of brain metastasis from adenocarcinoma of colon, Ruelle A; Macchia G; Gambini C; et al, *Neuroradiol* 1986; 28: 375
- villous adenomas: the scientific and the practical, Rubenstein SE; Levine MS; Laufer I; Herlinger H, *Radiology* 1988; 167: 869
- villous tumor of the colon: correlation of histologic, macroscopic, and radiographic features, Iida M; Iwashita A; Yao T; Kitagawa S; Sakamoto K; Tanaka K; Fujishima M, *Radiology* 1988; 167: 673
- visualization of metastases from colon carcinoma using an iodine-131-radiolabeled monoclonal antibody, (ab), Leyden MJ; Thompson CH; Lichtenstein M; et al, *Radiology* 1986; 161: 282
- Colon, obstruction**
See Colon, stenosis or obstruction
- Colon, perforation**
analysis of bowel perforation in necrotizing enterocolitis, Frey EE; Smith W; Frankan EA Jr; et al, *Pediatr Radiol* 1987; 17: 380
- bowel perforation in Hirschsprung's disease, Newman B; Nussbaum A; Kirkpatrick JA Jr, *AJR* 1987; 148: 1195
- multiple subdural abscesses following colonic perforation—a rare complication of a ventriculoperitoneal shunt, Sharma BS; Kak VK, *Pediatr Radiol* 1988; 18: 407
- pseudo defect of the spleen in an adolescent with fever of unknown origin, Hinton AA; Sandler MP; Shaff MJ, *Clin Nucl Med* 1987; 12: 471
- voice change after barium enema: clinical sign of extraperitoneal colon perforation, Rabin DN; Smith C; Witt TR; et al, *AJR* 1987; 148: 145
- Colon, polyps**
See Colon, neoplasms
- Colon, radiography**
barium enema scout film: cost effectiveness and clinical efficacy, Schwab FJ; Glick SN; Teplick SK; Adler LP, *Radiology* 1986; 160: 619
- barium enema scout film: cost effectiveness and clinical efficacy, Pochaczewsky R, *Radiology* 1987; 162: 581
- cecal diverticulitis: evaluation with CT, Balthazar EJ; Megibow AJ; Gordon RB; Hulnick DH, *Radiology* 1987; 162: 79
- cecal diverticulitis: evaluation with CT, Hall FM, *Radiology* 1987; 163: 832
- cecal diverticulitis evaluation with CT: reply, Balthazar EJ, *Radiology* 1987; 163: 832
- detection of colonic polyps on single-contrast barium enema study: emphasis on the elderly, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1987; 164: 333
- double-contrast barium enema study: simple conversion to CO₂, Besette JR; Maglinte DDT, *Radiology* 1987; 162: 274
- double-contrast examination of the colon with carbon dioxide: the use of effervescent powder, Pochaczewsky R, *AJR* 1987; 149: 502
- efficacy of an intracassette filter for improved pneumocolon decubitus radiographs, Olson DL; Dodds WJ; Stewart ET; et al, *AJR* 1987; 148: 547
- efficacy of postevacuation view after double-contrast barium enema, Smith C; Gardiner R, *Gastrointest Radiol* 1987; 12: 268
- interventional colorectal endoscopic procedures: residual lesions on follow-up double-contrast barium enema study, Bartram CI; Hall-Craggs MA, *Radiology* 1987; 162: 835
- ischemic colitis: serial changes in double-contrast barium enema examination, Iida M; Matsui T; Fuchigami T; Iwashita A; Yao T; Fujishima M, *Radiology* 1986; 159: 337
- ischemic colitis: serial changes in double-contrast barium enema examination, Redders JWAJ; Tytgat GNJ, *Radiology* 1987; 162: 583
- limiting overhead views in double-contrast colon examinations does not affect diagnostic accuracy, Feczko PJ; Halpert RD, *Gastrointest Radiol* 1987; 12: 175
- lymphoid follicular pattern in the colon: an indicator of barium coating, Miller M; Stringer DA; Chui-Mei T; et al, *J Canad Assoc Radiol* 1987; 38: 256
- present status of the radiologic examination of the colon, Margulis AR; Thoeni RF, *Radiology* 1988; 167: 1
- radiographic findings in overlooked colon carcinomas: a retrospective analysis, Fork F-T, *Acta Radiol* 1988; 29: 331
- simultaneous endoscopic and radiologic examination of the colon, Rabast U, *Gastrointest Radiol* 1986; 11: 247
- single- versus double-contrast barium studies in elderly patients, Millward S, *Radiology* 1988; 166: 578
- single- versus double-contrast barium studies in elderly patients: reply, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1988; 166: 578
- state of radiographic technique in the examination of the colon: a survey in 1987, Thoeni RF; Margulis AR, *Radiology* 1988; 167: 7
- wheat fibre before radiography of the large bowel, Fork F-T, *Acta Radiol* 1988; 29: 375
- Colon, radionuclide studies**
cecal angiodysplasia localized by technetium blood-pool scintigraphy and specimen venography, Vybberg M; Miskowiak J; Nielsen SL; et al, *Cardiovasc Intervent Radiol* 1986; 9: 28
- colonic varices demonstrated by technetium-99m red cell scintigraphy, Brill DR, *Clin Nucl Med* 1987; 12: 176
- colorectal tumors: scintigraphy with In-111 anti-CEA monoclonal antibody and correlation with surgical, histopathologic, and immunohistochemical findings, Abdel-Nabi HH; Schwartz AN; Goldfogel G; Orman-Nabi JA; Matsuoka DM; Unger MW; Wechter DG, *Radiology* 1988; 166: 747
- lymphoma, melanoma, colon cancer: diagnosis and treatment with radiolabeled monoclonal antibodies. the 1986 Eugene F. Pendergrass New Horizons Lecture, Larson SM, *Radiology* 1987; 165: 297
- metastatic colon cancer: correlation of oxygen levels with I-131 F(ab')₂ uptake, Gatenby RA; Moldofsky PJ; Weiner LM, *Radiology* 1988; 166: 757
- peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman M; Schlom J; Larson SM, *Radiology* 1988; 167: 35
- radioimmunoscintigraphy of colon cancer with iodine-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; et al, *J Nucl Med* 1988; 29: 1022
- Colon, stenosis or obstruction**
acquired pseudoobstruction of the colon due to segmental hypoganglionosis, Matsui T; Iwashita A; Iida M; et al, *Gastrointest Radiol* 1987; 12: 262
- adult Hirschsprung disease: radiographic findings, Mindelzun RE; Hicks SM, *Radiology* 1986; 160: 623
- endoscopic decompression of acute colonic obstruction: avoiding staged surgery, (ab), Lecluk S; Ratan J; Klausner JM; et al, *Radiology* 1986; 160: 856

Colon, stenosis or obstruction

- Ogilvie's syndrome in orthopaedic patients, (ab), Walker JL; Walling AK, Radiology 1986; 159: 286
- percutaneous cecostomy for decompression of the massively distended cecum, Casola G; Withers C; vanSonnenberg E; Herba MJ; Saba RM; Brown RA, Radiology 1986; 158: 793
- radiologically guided balloon dilation of gastrointestinal strictures: part I. technique and factors influencing procedural success, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, Radiology 1987; 165: 35
- radiologically guided balloon dilation of gastrointestinal strictures: part II. results of long-term follow-up, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, Radiology 1987; 165: 41
- retractile mesenteritis involving the colon: barium enema, sonographic, and CT findings, Perez-Fontan FJ; Soler R; Sanchez J; et al, AJR 1986; 147: 937
- strangulation of the colon caused by an intestinal decompression tube: radiographic findings, Yoshino MT; Boyle RR Jr, AJR 1987; 149: 735
- Colon, stricture**
See Colon, stenosis or obstruction
- Colon, surgery**
colonic varices as a complication of colonic surgery, Arborea JL; Lichtenstein JE; Spies JB; et al, Gastrointest Radiol 1987; 12: 350
- pelvic exenteration: role of CT in follow-up, Pan G; Shirkhoda A, Radiology 1987; 164: 665
- radiographic appearance of the endorectal pull-through, Bank ER; White SJ; Coran AG, Pediatr Radiol 1986; 16: 216
- radiology of colonic interposition and its associated complications, Christensen LR; Shapir J, Gastrointest Radiol 1986; 11: 233
- transcatheter control of postpolypectomy hemorrhage, Sanchez FW; Rogers JM; Vujic I; et al, Gastrointest Radiol 1986; 11: 254
- Colon, therapeutic radiology**
effects of nucleoside analogs and sodium butyrate on recovery from potentially lethal x ray damage in human colon tumor cells, Arundel CM; Leith JT, Int J Radiat Oncol Biol Phys 1987; 13: 593
- regional adjuvant irradiation for adenocarcinoma of the cecum, Shehata WM; Meyer RL; Jazy FK; et al, Int J Radiat Oncol Biol Phys 1987; 13: 843
- Colon, ulcers**
interventional colorectal endoscopic procedures: residual lesions on follow-up double-contrast barium enema study, Bartram CI; Hall-Craggs MA, Radiology 1987; 162: 835
- intraluminal meniscoid ulcer in the colon: unusual sign of malignancy, Siskind BN; Burrell MI, Gastrointest Radiol 1986; 11: 251
- Colon, US studies**
carcinoma of the colon: diagnosis by ultrasound and enema, Cremin BJ; Brown RA, Pediatr Radiol 1987; 17: 319
- colorectal carcinoma: radiologic and clinical review, Kelvin FM; Maglinte DDT, Radiology 1987; 164: 1
- colorectal neoplasms: accuracy of US in demonstrating the depth of invasion, Wang KY; Kimmey MB; Nyberg DA; Mack LA; Hagitt RC; Shuman WP; Franklin DW; Silverstein FE, Radiology 1987; 165: 827
- sonography in the diagnosis of neutropenic colitis, Glass-Royal MC; Choyke PL; Gootenberg JE; et al, J Ultrasound Med 1987; 6: 671
- ultrasonic demonstration of a pedunculated colonic polyp, Skaane P, JCU 1987; 15: 204
- ultrasonographic diagnosis of clinically non-palpable primary colonic neoplasms, Price J; Metreweli C, Br J Radiol 1988; 61: 190
- Colon, varices**
colonic varices as a complication of colonic surgery, Arborea JL; Lichtenstein JE; Spies JB; et al, Gastrointest Radiol 1987; 12: 350
- colonic varices demonstrated by technetium-99m red cell scintigraphy, Brill DR, Clin Nucl Med 1987; 12: 176
- familial varices of the colon occurring without evidence of portal hypertension, (ab), Hawkey CJ; Amar SS; Daintith HAM; et al, Radiology 1986; 158: 858
- Colonoscopy**
cecal volvulus: complication of colonoscopy, Radin DR; Halls JM, Gastrointest Radiol 1986; 11: 110
- correlation of double-contrast high-density barium enema, colonoscopy, and histology in children with special attention to disparities, Stringer DA; Sherman PM; Jakowenko N, Pediatr Radiol 1986; 16: 298
- ischemic colitis: serial changes in double-contrast barium enema examination, Iida M; Matsui T; Fuchigami T; Iwashita A; Yao T; Fujishima M, Radiology 1986; 159: 337
- ischemic colitis: serial changes in double-contrast barium enema examination, Reenders JWAJ; Tytgat GNJ, Radiology 1987; 162: 583
- present status of the radiologic examination of the colon, Margulis AR; Thoeni RF, Radiology 1986; 167: 1
- problems in the colonoscopic localization of tumors: continued value of the barium enema, Frager DH; Frager JD; Wolf EL; et al, Gastrointest Radiol 1987; 12: 343
- simultaneous endoscopic and radiologic examination of the colon, Rabast U, Gastrointest Radiol 1986; 11: 247
- splenic trauma during colonoscopy, Levine E; Wetzel LH, AJR 1987; 149: 939
- state of radiographic technique in the examination of the colon: a survey in 1987, Thoeni RF; Margulis AR, Radiology 1988; 167: 7
- study of patient acceptance of double-contrast barium enema and colonoscopy: which procedure is preferred by patients?, (ab), Van Ness MM; Chobanian SJ; Winters C Jr; et al, Radiology 1988; 167: 882
- Compensators**
construction of three-dimensional compensators using a simplified moiré camera, Chu JCH; Larsen RR, J Canad Assoc Radiol 1988; 39: 42
- digital beam attenuator technique for compensated chest radiography, Hasegawa BH; Naimuddin S; Dobbins JT III; Mistretta CA; Peppeler WW; Hangiandreou NJ; Cusma JT; McDermott JC; Kudva BV; Melbye KM, Radiology 1986; 159: 537
- dosimetry considerations for a Lipowitz metal tissue compensator system, Henderson SD; Purdy JA; Gerber RL; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1107
- Computed tomographic (CT) guidance**
belt device for simplified CT-guided puncture and biopsy: a technical note, Hruby W; Muschik H, Cardiovasc Intervent Radiol 1987; 10: 301
- coaxial technique for CT-guided biopsy of deep retroperitoneal lymph nodes, Jeffrey RB Jr, Gastrointest Radiol 1988; 13: 271
- computed tomographic-guided stereotaxic biopsy of thoracic lesions, Costello P; Onik G; Cosman E, J Thorac Imag 1987; 2: 27
- computed tomography guidance for skeletal biopsy, Frager DH; Goldman MJ; Seimon LP; et al, Skeletal Radiol 1987; 16: 644
- computed tomography-guided intracranial biopsy and cyst aspiration: accumulated experience in 60 patients, Savolaine ER; Greenblatt SH; Rayport M, CT 1987; 11: 221
- CT body stereotaxis: aid for CT-guided biopsies, Onik G; Costello P; Cosman E; et al, AJR 1986; 146: 163
- CT-directed rib biopsy, Hardy DC; Totty WG; Funk KC, JCAT 1987; 11: 994
- CT-guided aspirations for the body: comparison of hand guidance with stereotaxis, Onik G; Cosman ER; Wells TH Jr; Goldberg HJ; Moss AA; Costello P; Kane RA; Hoddick WI; Demas B, Radiology 1988; 166: 389
- CT-guided laser therapy in resistant human tumors: phase I clinical trials, Gatenby RA; Hartz WH; Engstrom PF; Rosenblum JS; Hammond ND; Kessler HB; Moldofsky PJ; Clair MR; Unger E; Broder GJ, Radiology 1987; 163: 172
- CT guided lateral C1-C2 puncture, Schick RM; Humphrey CC; Wang AM; et al, JCAT 1988; 12: 715
- CT-guided needle aspiration biopsy of an intraspinal synovial cyst (ganglion): case report and review of the literature, Abrahams JJ; Wood GW; Eames FA; et al, AJNR 1988; 9: 398
- CT-guided percutaneous aspiration of septic thrombosis of the inferior vena cava, Miner DG; Cohan RH; Davis WK; et al, AJR 1987; 148: 1213
- CT-guided percutaneous catheter cecostomy, Haaga JR; Bick RJ; Zollinger RM Jr, Gastrointest Radiol 1987; 12: 166
- CT guided percutaneous fine-needle biopsy of the pancreas, (ab), Luning M; Kursawe R; Schopke W; et al, Radiology 1986; 158: 567
- CT-guided placement of iodine-125 seeds for unresectable carcinoma of the lung, Sider L; Mittal BB; Nemcek AA Jr; et al, JCAT 1988; 12: 515
- CT-guided stereotaxy based on scout view imaging, Wester K; Kjartansson O; Bakke SJ, Neuroradiol 1987; 29: 287
- CT guided transluminal fine needle aspiration biopsy, Adler OB; Engel A, Eur J Radiol 1987; 7: 101
- difficult thoracic lesions: CT-guided biopsy experience in 150 cases, vanSonnenberg E; Casola G; Ho M; Neff CC; Varney RM; Wittich GR; Christensen R; Friedman PJ, Radiology 1988; 167: 457
- evaluation of computed tomography guided percutaneous biopsy of the pancreas, (ab), Dickey JE; Haaga JR; Stellato TA; et al, Radiology 1987; 163: 586
- lung tumors: percutaneous implantation of I-125 sources with CT treatment planning, Heelan RT; Hilaris BS; Anderson LL; Nori D; Martini N; Watson RC; Caravelli JF; Linares L, Radiology 1987; 164: 735
- percutaneous biopsy of the cervical spine using CT guidance, Kattapuram SV; Rosenthal DL, AJR 1987; 149: 539
- percutaneous phenol block of the upper thoracic sympathetic chain with computed tomography guidance: a new technique, Dondelinger RF; Kurdziel JC, Acta Radiol 1987; 28: 511
- renal cell carcinoma complicating long-term dialysis: computed tomography-guided aspiration cytology, Nunez D Jr; Yizarry JM; Nadj M; et al, CT 1986; 10: 61
- thoracic empyema: management with image-guided catheter drainage, Silverman SG; Mueller PR; Saini S; Hahn PF; Simeone JF; Forman BH; Steiner E; Ferrucci JT, Radiology 1988; 169: 5
- Computed tomography (CT)**
average radiation doses in a standard head examination for 250 CT systems, McCrohan JL; Patterson JF; Gagne RM; Goldstein HA, Radiology 1987; 163: 263
- computed tomographic assessment of radiation induced damage in the lung of normal and WR 2721 protected LaF₁ mice, Miller GG; Dawson DT; Battista JJ, Int J Radiat Oncol Biol Phys 1986; 12: 1971
- computed tomography of an ancient Egyptian cat, Falke THM; Zweypfenning RCVJ; et al, JCAT 1987; 11: 745
- CT examination of eleven Egyptian mummies, Marx M; D'Auria SH, Radiographics 1986; 6: 321
- CT of the lumbar spine: normal variants and pitfalls, Helms CA; Vogler JB III; Hardy DC, Radiographics 1987; 7: 447
- CT- or sonography-guided biopsy of the liver in the presence of ascites: frequency of complications, Murphy FB; Barefield KP; Steinberg HV; et al, AJR 1988; 151: 485
- CT quality control, Huda W, J Canad Assoc Radiol 1987; 38: 122
- extending the search pattern in computed tomography, Albertin LE, Clin Radiol 1987; 38: 145

- modern imaging and endoscopic biopsy techniques in Egyptian mummies, Notman DNH; Tashjian J; Aufderheide AC; et al, *AJR* 1986; 146: 93
- MR imaging and CT of extrahepatic cavernous hemangiomas, Levine E; Wetzel LH; Neff JR, *AJR* 1986; 147: 1299
- patient attitudes to body computed tomography: use of an information leaflet, Merrill CR; Knox AM, *Clin Radiol* 1986; 37: 537
- recognition of hypotensive shock on abdominal computed tomography, Radin DR; Boswell WD Jr; Ralls PW; et al, *CT* 1986; 10: 299
- silicone gel phantom suitable for multimodality imaging, Goldstein DC; Kundel HL; Daube-Witherspoon ME; et al, *Invest Radiol* 1987; 22: 153
- size discrimination in computed tomographic images: effects of feature contrast and display window, Seltzer SE; Swenson RG; Judy PF; et al, *Invest Radiol* 1988; 23: 455
- three-dimensional CT reconstructions of an ancient human Egyptian mummy, Marx M; D'Auria SH, *AJR* 1988; 150: 147
- Computed tomography (CT), artifact**
- artifacts in computed tomography of the posterior fossa: comparative phantom study, Mostrom U; Ytterbergh C, *JCAT* 1986; 10: 560
- artifacts seen during CT pelvimetry: implications for digital systems with scanning beams, Brody AS; Saks BJ; Field DR; Skinner SR; Capra RE, *Radiology* 1986; 160: 269
- computed tomographic evaluation of surgical clip artifact: tissue phantom and experimental animal assessment, Silverman PM; Spicer LD; McKinney R Jr; et al, *Comput Radiol* 1986; 10: 37
- contrast medium precipitation during abdominal CT, Ball DS; Radecki PD; Friedman AC; Caroline DF; Mayer DP, *Radiology* 1986; 158: 258
- CT of the lumbar spine: normal variants and pitfalls, Helms CA; Vogler JB III; Hardy DC, *Radiographics* 1987; 7: 447
- double-fissure sign: a motion artifact on thin-section CT scans, Mayo JR; Müller NL; Henkelman RM, *Radiology* 1987; 165: 580
- dual energy computed tomography: simulated monoenergetic and material-selective imaging, Hemmingsson A; Jung B; Ytterbergh C, *JCAT* 1986; 10: 490
- evaluation of CT techniques for reducing artifacts in the presence of metallic orthopedic implants, Robertson DD; Weiss PJ; Fishman EK; et al, *JCAT* 1988; 12: 236
- metallic hip implants: CT with multiplanar reconstruction, Fishman EK; Magid D; Robertson DD; Brooker AF; Weiss P; Siegelman SS, *Radiology* 1986; 160: 675
- new software correction approach to volume averaging artifacts in CT, Goodenough DJ; Weaver KE; Costardou H; et al, *Comput Radiol* 1986; 10: 87
- pseudometastases secondary to film static artifact, Spizarny DL; McLoud TC; Dedrick CG; et al, *Comput Radiol* 1986; 10: 207
- pseudotumor artifact of the dorsum sella in CT scanning, Tihansky DP; Crossen J; Markowitz H, *Comput Radiol* 1987; 11: 241
- reduction of CT artifacts caused by metallic implants, Kalender WA; Hebel R; Ebersberger J, *Radiology* 1987; 164: 576
- simulation of CT reconstruction artifacts associated with multiple-rotation fan-beam data collection, Jelinek J; Overton TR, *Comput Radiol* 1986; 10: 23
- Computed tomography (CT), attenuation coefficients**
- quantitative CT applications: comparison of current scanners, Cann CE, *Radiology* 1987; 162: 257
- transient hepatic attenuation differences on dynamic computed tomography, Itai Y; Hachiya J; Makita K; et al, *JCAT* 1987; 11: 461
- Computed tomography (CT), beam hardening**
- dual energy computed tomography: simulated monoenergetic and material-selective imaging, Hemmingsson A; Jung B; Ytterbergh C, *JCAT* 1986; 10: 490
- quantitative CT applications: comparison of current scanners, Cann CE, *Radiology* 1987; 162: 257
- Computed tomography (CT), cine**
- cine CT in obstructive sleep apnea, Stein MG; Gamsu G; de Geer G; et al, *AJR* 1987; 148: 1069
- cine CT of the mediastinum in pediatric patients, Frey EE; Sato Y; Smith WL; Franken EA Jr, *Invest Radiol* 1987; 22: 19
- functional dynamics of the knee joint by ultrafast, cine-CT, Shapeero LG; Dye SF; Lipton MJ; et al, *Invest Radiol* 1988; 23: 118
- quantitation of intracardiac shunts by cine-CT, Garrett JS; Jaschke W; Ahern T; et al, *JCAT* 1988; 12: 82
- slice characteristics of the Imatron cine-CT scanner, Chang W, *JCAT* 1987; 11: 554
- upper airway obstruction in infants and children: evaluation with ultrafast CT, Brasch RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, *Radiology* 1987; 165: 459
- Computed tomography (CT), clinical effectiveness**
- cholelithiasis: evaluation with CT, Barakos JA; Ralls PW; Lapin SA; Johnson MB; Radin DR; Colletti PM; Boswell WD Jr; Halls JM, *Radiology* 1987; 162: 415
- complex fractures of the proximal humerus: role of CT in treatment, Castagno AA; Shuman WP; Kilcoyne RF; Haynor DR; Morris ME; Matsen FA, *Radiology* 1987; 165: 759
- Hodgkin disease: imaging studies and patient management, Castellino RA, *Radiology* 1988; 169: 269
- pancreatic abscess: predictive value of early abdominal CT, Vernachia FS; Jeffrey RB Jr; Federle MP; Grendell JH; Laing FC; Wing VW; Wall SD, *Radiology* 1987; 162: 435
- Computed tomography (CT), comparative studies**
- blinded clinical comparison of MR imaging and CT in neuroradiology, Houghton VM; Rimm AA; Sobocinski KA; Papke RA; Daniels DL; Williams AL; Lynch R; Levine R, *Radiology* 1986; 160: 751
- bronchiectasis: assessment by thin-section CT, Grenier P; Maurice F; Musset D; Menu Y; Nahum H, *Radiology* 1986; 161: 95
- carcinoid liver metastases: accuracy of radionuclide liver/spleen imaging compared to computed tomography, Halvorsen RA Jr; Wilkinson RH Jr; Feldman JM, *Clin Nucl Med* 1987; 12: 268
- cerebellopontine angle-petromastoid mass lesions: comparative study of diagnosis with MR imaging and CT, Gentry LR; Jacoby CG; Turksi PA; Houston LW; Strother CM; Sackett JF, *Radiology* 1987; 162: 513
- cholelithiasis: evaluation with CT, Barakos JA; Ralls PW; Lapin SA; Johnson MB; Radin DR; Colletti PM; Boswell WD Jr; Halls JM, *Radiology* 1987; 162: 415
- comparative study of computed tomography and ERCP in pancreaticobiliary disease, Tobin RS; Vogelzang RL; Gore RM; et al, *CT* 1987; 11: 261
- comparison of MR imaging, CT, and angiography in the evaluation of the enlarged cavernous sinus, Hirsch WL Jr; Hryshko FG; Sekhar LN; et al, *AJNR* 1988; 9: 907
- cross-sectional imaging method: system to compare ultrasound, computed tomography, and magnetic resonance with histologic findings, Kimmy MB; Silverstein FE; Haggitt RC; et al, *Invest Radiol* 1987; 22: 227
- cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies, Ormson MJ; Kispert DB; Sharbrough FW; Houser OW; Earnest F IV; Scheithauer BW; Laws ER Jr, *Radiology* 1986; 160: 215
- delayed hepatic CT scanning: increased confidence and improved detection of hepatic metastases, Bernardino ME; Erwin BC; Steinberg HV; Baumgartner BR; Torres WE; Gedgaudas-McClees RK, *Radiology* 1986; 159: 71
- detection of prosthetic vascular complications: comparison of CT and angiography, Vogelzang RL; Limpert JD; Yao JST, *AJR* 1987; 148: 819
- evaluating and comparing imaging techniques: a review and classification of study designs, Freedman LS, *Br J Radiol* 1987; 60: 1071
- focal hepatic mass screening: MR imaging or CT scanning?, Bernardino ME, *Radiology* 1987; 162: 282
- focal hepatic mass screening: MR imaging or CT scanning?, Slizofski WJ, *Radiology* 1987; 163: 830
- frequency and patterns of abnormality detected by iodine-123 amine emission CT after cerebral infarction, Brott TG; Gelfand MJ; Williams CC; Spilker JA; Hertzberg VS, *Radiology* 1986; 158: 729
- hepatic metastases: randomized, controlled comparison of detection with MR imaging and CT, Stark DD; Wittenberg J; Butch RJ; Ferrucci JT Jr, *Radiology* 1987; 165: 399
- hepatic metastasis detection: comparison of three CT contrast enhancement methods, Miller DL; Simmons JT; Chang R; Ward BA; Shawker TH; Doppman JL; Chang AE, *Radiology* 1987; 165: 785
- hepatic metastasis detection: comparison of three CT contrast enhancement methods, Matsui O, *Radiology* 1988; 168: 283
- hepatic metastasis detection: comparison of three CT contrast enhancement methods: reply, Miller DL, *Radiology* 1988; 168: 284
- Hodgkin disease: clinical utility of CT in initial staging and treatment, Hopper KD; Diehl LF; Lesar M; Barnes M; Granger E; Baumann J, *Radiology* 1988; 169: 17
- human brain infarcts: imaging by MR enhanced Gd-DTPA, Virapongse C; Mancuso AA; Quisling RG, *Radiology* 1986; 161: 755
- intracranial vascular malformations: imaging of charged-particle radiosurgery, part I. results of therapy, Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 447
- intracranial vascular malformations: imaging of charged-particle radiosurgery, part II. complications, Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 457
- invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, Castelijns JA; Karsner GJ; Kaiser MC; Valk J; van Zanten TG; Golding RG; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB, *Radiology* 1988; 167: 199
- liver and abdominal screening in patients with cancer: CT versus MR imaging, Cheezmar JL; Rumancik WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME, *Radiology* 1988; 168: 43
- liver metastasis detection: comparative sensitivities of MR imaging and CT scanning, Reinig JW; Dwyer AJ; Miller DL; White M; Frank JA; Sugarbaker PH; Chang AE; Doppman JL, *Radiology* 1987; 162: 43
- localization of parathyroid adenomas in patients who have undergone surgery, part I. noninvasive imaging methods, Miller DL; Doppman JL; Shawker TH; Krudy AG; Norton JA; Vucich JJ; Morrish AC; Marx SJ; Spiegel AM; Aurbach GD, *Radiology* 1987; 162: 133
- localization of parathyroid adenomas in patients who have undergone surgery, Winzelberg GG; Hyndovitz JD, *Radiology* 1987; 163: 828
- major salivary gland masses: comparison of MR imaging and CT, Casselman JW; Mancuso AA, *Radiology* 1987; 165: 183
- Marfan syndrome: evaluation with MR imaging versus CT, Soulen RL; Fishman EK; Pyeritz RE; Zerhouni EA; Pessar ML, *Radiology* 1987; 165: 697
- mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT, Poon PY; Bronskill MJ; Henkelman RM; Rideout DF; Shulman HS; Weisbrod GL; Steinhardt M; Dunlap HJ; Ginsberg RJ; Feld R; Sutcliffe SB; Williams JL, *Radiology* 1987; 162: 651

Computed tomography (CT), comparative studies

- mediastinal nodes in bronchogenic carcinoma: comparison between CT and mediastinoscopy, Staples CA; Müller NL; Miller RR; Evans KG; Nelems B, *Radiology* 1988; 167: 367
- MR detection of liver metastases, Reinig JW; Dwyer AJ; Miller DL; Frank JA; Doppman JL, *Radiology* 1987; 163: 582
- multiple sclerosis: gadolinium enhancement in MR imaging, Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH, *Radiology* 1986; 161: 721
- multiple system atrophy (Shy-Drager syndrome): MR imaging, Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L, *Radiology* 1986; 159: 499
- noninvasive evaluation of knee meniscal tears: preliminary comparison of MR imaging and CT, Manco LG; Lozman J; Coleman ND; Kavanagh JH; Bilfield BS; Dougherty J, *Radiology* 1987; 163: 727
- osteoarthritis of the facet joints: accuracy of oblique radiographic assessment, Pathria M; Sartoris DJ; Resnick D, *Radiology* 1987; 164: 227
- patients with partial seizures: evaluation by MR, CT, and PET imaging, Latack JT; Abou-Khalil BW; Siegel GJ; Sackellares JC; Gabrielsen TO; Aisen AM, *Radiology* 1986; 159: 159
- primary bladder carcinoma: evaluation with MR imaging, Rholl KS; Lee JKT; Heiken JP; Ling D; Glazer HS, *Radiology* 1987; 163: 117
- primary liver tumors in children: comparison of CT and MR imaging, Boechat ML; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V, *Radiology* 1988; 169: 727
- recurrent colorectal carcinoma: evaluation with barium enema examination and CT, Chen YM; Ott DJ; Wolfman NT; Gelfand DW; Karstaedt N; Bechtold RE, *Radiology* 1987; 163: 307
- recurrent rectal cancer: diagnosis with MR imaging versus CT, Krestin GP; Steinbrich W; Friedmann G, *Radiology* 1988; 168: 307
- role of chest CT in non-Hodgkin lymphoma, Khoury MB; Godwin JD; Halvorsen RA Jr; Hanun Y; Putman CE, *Radiology* 1986; 158: 659
- rotator cuff lesions of the shoulder: evaluation by direct sagittal CT arthrography, Beltran J; Gray LA; Boos JC; Zuelzer WA; Weiss LD; Unverferth LJ, *Radiology* 1986; 160: 161
- wrist: coronal and transaxial CT scanning, Biondetti PR; Vannier MW; Gilula LA; Knapp R, *Radiology* 1987; 163: 149
- Computed tomography (CT), complications**
- aneurysmal rupture during computed tomography scanning, Allen RF; Williams JP; Joslyn JN; et al, *CT* 1986; 10: 93
- Computed tomography (CT), computer programs**
- automated registration of multimodality images, Vannier MW; Cayou DE, *Radiology* 1988; 169: 860
- bone mineral measurement: automated determination of midvertebral CT section, Kalender WA; Brestowsky H; Felsenberg D, *Radiology* 1988; 168: 219
- CT in the preoperative assessment of the mandible and maxilla for endosseous implant surgery: work in progress, Rothman SLG; Chatef N; Rhodes ML; Schwarz MS, *Radiology* 1988; 168: 171
- radiotherapy planning: direct tumor location on simulation and port films using CT, part I. principles, Haynor DR; Borning AW; Griffin BA; Jacky JP; Kalet IJ; Shuman WP, *Radiology* 1986; 158: 537
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- vertebral bone mineral analysis: an integrated approach with CT, Kalender WA; Klotz E; Suess C, *Radiology* 1987; 164: 419
- Computed tomography (CT), contrast media**
- absorption and excretion of dilute Gastrografin during computed tomography in pseudomembranous colitis, Marinelli DL; Mintz MC, *CT* 1987; 11: 236
- adverse reactions to xenon-enhanced CT cerebral blood flow determination, Latchaw RE; Yonas H; Pentheny SL; Gur D, *Radiology* 1987; 163: 251
- bolus-rapid infusion of contrast medium: simplified technique for optimal computed tomography pancreatography without use of dynamic scanning, Vogelzang RL; Gore RM, *CT* 1987; 11: 1
- computed tomographic enhancement of liver and spleen in the dog with iodipamide ethyl ester particulate suspensions, Sands MS; Violante MR; Gadeholt G, *Invest Radiol* 1987; 22: 408
- computed tomography of the post-operative lumbar spine: the need for, and optimal dose of, intravenous contrast medium, Dixon AK; Bannan RP, *Br J Radiol* 1987; 60: 215
- contrast-enhanced computed tomography in carcinoma of the urinary bladder: use of different injection methods, Sager EM; Fossa SD; Kaalhus O; et al, *Acta Radiol* 1987; 28: 67
- contrast enhancement of brain tumors and irradiated normal brain: comparison of iohexol and iothalamate, Fike JR; Cann CE; Turowski K; et al, *Neuroradiol* 1986; 28: 61
- contrast enhancement of the liver: evaluation by automated contiguous pixel search, Stude RA; Hedlund LW; Johnson GA; et al, *Invest Radiol* 1987; 22: 132
- conventional and CT metrizamide myelography in Arnold-Chiari I malformation and syringomyelia, Li KC; Chui MC, *AJNR* 1987; 8: 11
- CT of the liver: a survey of prevailing methods for administration of contrast material, Zeman RK; Clements LA; Silverman PM; et al, *AJR* 1988; 150: 107
- CT of the pancreas with a fat-density oral contrast regimen, Raptopoulos V; Davidoff A; Karellas A; et al, *AJR* 1988; 150: 1303
- CT of the postoperative lumbar spine: value of intravenous contrast, Weiss T; Treisch J; Kazner E; et al, *Neuroradiol* 1986; 28: 241
- delineation of the spleen by a combination of proliposomes with water-soluble contrast media: an experimental study using computed tomography, Payne NJ; Whitehouse GH, *Br J Radiol* 1987; 60: 535
- dynamic incremental computed tomography of the pulmonary hila using a flow-rate injector, Shepard JO; Dedrick CG; Spizarny DL; et al, *JCAT* 1986; 10: 369
- effects of IV contrast administration on intraspinal and paraspinal tissues: a CT study. 1. measurement of CT attenuation numbers, Wilmsink JT; Roukema JG, *AJNR* 1987; 8: 703
- effects of IV contrast administration on intraspinal and paraspinal tissues: a CT study. 2. visual assessment, Wilmsink JT; Roukema JG; van den Burg W, *AJNR* 1988; 9: 191
- ependymoma of filum terminale: metrizamide-enhanced CT evaluation, Wang A-M; Lin JCT; Haykal HA; et al, *Comput Radiol* 1986; 4: 239
- fat-density oral contrast agent for abdominal CT, Raptopoulos V; Davis MA; Davidoff A; Karellas A; Hays D; D'Orsi CJ; Smith EH, *Radiology* 1987; 164: 653
- focal hepatic masses and fatty infiltration detected by enhanced dynamic CT, Alpern MB; Lawson TL; Foley WD; Perlman SJ; Reif LJ; Arevalo E; Rimm AA, *Radiology* 1986; 158: 45
- high-dose IV contrast in CT scanning of the postoperative lumbar spine, Yang PJ; Seeger JF; Dzioba RB; et al, *AJNR* 1986; 7: 703
- high dose brain CT with ioxaglate and diatrizoate adverse reactions and effects on urine protein tests, Raininko R; Laivola J; Irala K, *Eur J Radiol* 1988; 8: 44
- imaging local cerebral blood flow by xenon-enhanced computed tomography—technical optimization procedures, Meyer JS; Shinohara T; Imai A; et al, *Neuroradiol* 1988; 30: 283
- imaging of the bowel wall: computed tomography and fat density oral-contrast agent in an animal model, Raptopoulos V; Davis MA; Smith EH, *Invest Radiol* 1986; 21: 847
- ionic and non-ionic contrast media used for contrast-enhanced computed tomography in experimental pancreatitis, Kivisaari L; Nuutinen P; Lehtola A; et al, *Acta Radiol* 1988; 29: 243
- IV contrast material for abdominal CT: comparison of three methods of administration, Platt JF; Glazer GM, *AJR* 1988; 151: 275
- perfluorocetyl bromide as a contrast agent for computed tomographic imaging of septic and aseptic arthritis, Sartoris DJ; Guerra JJ Jr; Mattrey RF; et al, *Invest Radiol* 1986; 21: 49
- use of a power injector during dynamic computed tomography, Shuman WP; Adam JL; Schoenecker SA; et al, *JCAT* 1986; 10: 1000
- Computed tomography (CT), data processing**
- volumetric rendering techniques: applications for three-dimensional imaging of the hip, Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS, *Radiology* 1987; 163: 737
- Computed tomography (CT), dual-energy**
- bone mineral assessment: new dual-energy CT approach, Nickoloff EL; Feldman F; Atherton JW, *Radiology* 1988; 168: 223
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: comparison of measurement methods, Reinhold W-D; Genant HK; Reiser UJ; Harris ST; Eittinger B, *Radiology* 1986; 160: 469
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women, Mazess RB, *Radiology* 1987; 165: 289
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: reply, Genant HK, *Radiology* 1987; 165: 290
- dual energy computed tomography: simulated monoenergetic and material-selective imaging, Hemmingsson A; Jung B; Ytterbergh C, *JCAT* 1986; 10: 490
- influence of vertebral fat content on quantitative CT density, Laval-Jeantet AM; Roger B; Bouysse S; Bergot C; Mazess RB, *Radiology* 1986; 159: 463
- noninvasive bone densitometry: the need for cooperation and respect in research, Sartoris DJ, *Radiology* 1988; 166: 902
- potential accuracy of dual-energy computed tomography for the determination of hepatic iron, Septon RG, *Br J Radiol* 1986; 59: 351
- quantification of recalcification of irradiated vertebral body osteolyses by dual-energy computed tomography, Crone-Munzebrock W; Spielmann RP, *Eur J Radiol* 1987; 7: 1
- quantitative computed tomography scanning for measurement of bone and bone marrow fat content: a comparison of single- and dual-energy techniques using a solid synthetic phantom, Goodsitt MM; Rosenthal DI, *Invest Radiol* 1987; 22: 799
- quantitative evaluation of a dual energy CT system, Montner SM; Lehr JL; Oravez WT, *JCAT* 1987; 11: 144
- tissue analysis by dual-energy computed tomography, Hawkes DJ; Jackson DF; Parker RP, *Br J Radiol* 1986; 59: 537
- vertebral bone mineral analysis: an integrated approach with CT, Kalender WA; Klotz E; Suess C, *Radiology* 1987; 164: 419
- vertebral mineral determination by quantitative computed tomography (QCT): accuracy of single and dual energy measurements, Gluer C-C; Reiser UJ; Davis CA; et al, *JCAT* 1988; 12: 242
- work in progress: dual energy CT estimation of liver iron content in thalassemic children, Leighton DM; de Campo JF; Matthews R; et al, *Australas Radiol* 1988; 32: 214
- Computed tomography (CT), efficacy studies**
- See Efficacy study, CT
- Computed tomography (CT), emission**
- See Emission CT
- Computed tomography (CT), experimental**
- attenuation values, volume changes and artifacts in tissue due to freezing, Pech P; Bergström K; Rauchning W; et al, *Acta Radiol* 1987; 28: 779

- computed tomographic enhancement of liver and spleen in the dog with iodipamide ethyl ester particulate suspensions, Sands MS; Violante MR; Gadeholt G, *Invest Radiol* 1987; 22: 408
- high-resolution computed tomography of the pig lung, Todo G; Herman PG, *Invest Radiol* 1986; 21: 689
- imaging of the bowel wall: computed tomography and fat density oral-contrast agent in an animal model, Raptopoulos V; Davis MA; Smith EH, *Invest Radiol* 1986; 21: 847
- intracranial tumors: unexpected uptake of I-123 HIPDM, McVeigh MC; Merchut MP; Karesk SM; Ghobrial MW; Dillehay DL, *Radiology* 1986; 161: 409
- normal brain iodine-125 radiation damage: effect of dose and irradiated volume in a canine model, Turowski K; Fike JR; Cann CE; Higgins RJ; Davis RL; Gutin PH; Phillips TL; Weaver KA, *Radiology* 1986; 158: 833
- Computed tomography (CT), image display and recording**
- automated registration of multimodality images, Vannier MW; Gayou DE, *Radiology* 1988; 169: 860
- planning of orthopaedic reconstructive surgery using computer-aided simulation and design, Murphy SB; Kijewski PK; Millis MB; et al, *Comput Med Imag Graph* 1988; 12: 33
- post-traumatic orbit evaluation by three-dimensional surface reconstructions, Grivas A; Manson PN; Vannier MW; et al, *Comput Med Imag Graph* 1988; 12: 47
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- technique for multiplanar reformation and three-dimensional analysis of computed tomographic data: application to adult hip disease, Sartoris DJ; Resnick D; Bielecki D; et al, *J Canad Assoc Radiol* 1986; 37: 69
- techniques for the rapid display and manipulation of 3-D biomedical data, Goldwasser SM; Reynolds RA; Talton DA; et al, *Comput Med Imag Graph* 1988; 12: 1
- three-dimensional computed tomography of the foot: optimizing the image, Adler SJ; Vannier MW; Gilula LA; et al, *Comput Med Imag Graph* 1988; 12: 59
- three-dimensional surface reconstruction of the carpal bones from CT scans: transaxial versus coronal technique, Biondetti PR; Vannier MW; Gilula LA; et al, *Comput Med Imag Graph* 1988; 12: 67
- use of computed tomography for a three-dimensional treatment planning system, Schlusberg DS; Smith WK; Woodward DJ; et al, *Comput Med Imag Graph* 1988; 12: 25
- visual contrast enhancement with a patterned overlay, Kunin M; Phillips JJ; Schwarz G, *Radiology* 1988; 167: 271
- volume rendering techniques: applications for three-dimensional imaging of the hip, Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS, *Radiology* 1987; 163: 737
- Computed tomography (CT), image processing**
- automated registration of multimodality images, Vannier MW; Cayou DE, *Radiology* 1988; 169: 860
- combined surface display and reformatting for the three-dimensional analysis of tomographic data, Hoehne KH; Delapaz RL; Bernstein R; et al, *Invest Radiol* 1987; 22: 658
- holography of 3D surface reconstructed CT images, Fujioka M; Ohyama N; Honda T; et al, *JCAT* 1988; 12: 175
- non-linear CT windows, Gomori JM; Steiner I, *Comput Radiol* 1987; 11: 21
- reduction of CT artifacts caused by metallic implants, Kalender WA; Hebel K; Ebersberger J, *Radiology* 1987; 164: 576
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- spatial resolution analysis of computed tomographic images, Assimakopoulos PA; Boyd DP; Jaschke W; et al, *Invest Radiol* 1986; 21: 260
- three-dimensional computed tomographic reformations of intracranial vascular lesions, Gholkar A; Isherwood I, *Br J Radiol* 1988; 61: 258
- three-dimensional demonstration of liver and spleen by a computer graphics technique, Kashiwagi T; Mitsutani N; Koizumi T; et al, *Acta Radiol* 1988; 29: 27
- Computed tomography (CT), image quality**
- deep-frozen biologic phantom for performance evaluation of CT scanners, Mostrom U; Bergstrom K; Pech P; et al, *JCAT* 1986; 10: 1016
- evaluation of distance-weighted SPECT reconstruction for skeletal scintigraphy, Hellman RS; Nowak D; Collier BD; Isitman A; Eisner RL, *Radiology* 1986; 159: 473
- high-resolution CT of the lungs: optimal approach, Mayo JR; Webb WR; Gould R; Stein MG; Bass I; Gamsu G; Goldberg HI, *Radiology* 1987; 163: 507
- patient positioning for direct sagittal CT of the orbit parallel to the optic nerve, Zonneveld FW; Koornneef L, *Radiology* 1986; 158: 547
- Computed tomography (CT), in infants and children**
- 2D and 3D computed tomography of the pediatric hip, Magid D; Fishman EK; Sponseller PD; Griffin PP, *Radiographics* 1988; 8: 901
- chronic cerebral herniation in shunted Dandy-Walker malformation, Naidich TP; Radkowski MA; McLone DG; Leestma J, *Radiology* 1986; 158: 431
- cine CT of the mediastinum in pediatric patients, Frey EE; Sato Y; Smith WL; Franken EA Jr; Radiology 1987; 165: 19
- computed tomographic changes in juvenile hemiplegia, Kolarow TM; Patel PJ; Mahdi AH, *Comput Radiol* 1987; 11: 125
- computed tomography in the diagnosis and treatment of mediastinal abnormalities in children, Ivancev K; Halldorsdottir A; Laurin S; et al, *Acta Radiol* 1988; 29: 115
- computed tomography in the diagnosis of intracranial neoplasms in children, (ab), Segall HD; Batnitzky S; Zee C-S; et al, *Radiology* 1986; 159: 288
- computed tomography in the evaluation of tubo-ovarian abscesses in children, Mahboubi S; Caro PA, *CT* 1986; 10: 67
- computed tomography, management, and follow-up in infantile hemangioma, Mahboubi S; Sunaryo FP; Glasman MS; et al, *CT* 1987; 11: 370
- congenital tracheal stenosis: role of CT and high kV films, Hernandez RJ; Tucker GF, *Pediatr Radiol* 1987; 17: 192
- cranial CT in children and adolescents with diabetic ketoacidosis, Hoffman WH; Steinhart CM; El Gammal T; et al, *AJNR* 1988; 9: 733
- CT of children's feet: immobilization technique, Donaldson JS; Poznanski AK; Nieves A, *AJR* 1987; 148: 169
- dedicated CT technique for scanning neonates, Lassen MN, *Radiology* 1986; 161: 363
- hypovolemic shock in children, Kaufman RA; Stalker HP, *Radiology* 1988; 166: 579
- hypovolemic shock in children: abdominal CT manifestations, Taylor GA; Fallat ME; Eichelberger MR, *Radiology* 1987; 164: 479
- imaging the pediatric liver: MRI and CT, Weinreb JC; Cohen JM; Armstrong E; et al, *AJR* 1986; 147: 785
- incidental paranasal sinus abnormalities on CT of children: clinical correlation, Glasier CM; Ascher DP; Williams KD, *AJNR* 1986; 7: 861
- intracranial calcification in paediatric computed tomography, Kendall B; Cavanagh N, *Neuroradiol* 1986; 28: 324
- intravenously administered pentobarbital sodium for sedation in pediatric CT, Strain JD; Harvey LA; Foley LC; Campbell JB, *Radiology* 1986; 161: 105
- IV nembutal: safe sedation for children undergoing CT, Strain JD; Campbell JB; Harvey LA; et al, *AJNR* 1988; 9: 955
- mediastinal lesions in children: comparison of CT and MR, Siegel MJ; Nadel SN; Glazer HS; Sagel SS, *Radiology* 1986; 160: 241
- nephroblastomatosis: comparison of CT with US and urography, Fernbach SK; Feinstein KA; Donaldson JS; Baum ES, *Radiology* 1988; 166: 153
- normalized pediatric organ-absorbed doses from CT examinations, Fearon T; Vucich JJ, *AJR* 1987; 148: 171
- pediatric patients with achondroplasia: CT evaluation of the craniocervical junction, Wang H; Rosenbaum AE; Reid CS; Zinreich SJ; Peyerit RE, *Radiology* 1987; 164: 515
- pediatric radiology: advances and current practices, Gricom NT, *Invest Radiol* 1986; 21: 833
- pediatric thoracic aorta: normal measurements determined with CT, Fitzgerald SW; Donaldson JS; Poznanski AK, *Radiology* 1987; 165: 667
- primary liver tumors in children: comparison of CT and MR imaging, Boechat MJ; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V, *Radiology* 1988; 169: 727
- radiation dose reduction in pediatric CT, Robinson AE; Hill EP; Harpen MD, *Pediatr Radiol* 1986; 16: 53
- three-dimensional CT reformation in children, Altman NR; Altman DH; Wolfe SA; et al, *AJNR* 1986; 7: 287
- ultrafast computed tomography for infants and children, Brach RC, *Radiol Clin North Am* 1988; 26: 277
- ultrasound and computed tomography of the infant brain: clinical comparison, Lipinski JK; Cremin BJ, *Clin Radiol* 1986; 37: 365
- upper airway obstruction in infants and children: evaluation with ultrafast CT, Brach RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, *Radiology* 1987; 165: 459
- use of contrast media in patients with hypovolemic shock, Schiffer MS, *Radiology* 1988; 166: 579
- use of contrast media in patients with hypovolemic shock: reply, Taylor GA; Eichelberger MR, *Radiology* 1988; 166: 579
- Computed tomography (CT), pediatric**
- See Computed tomography (CT), in infants and children
- Computed tomography (CT), physics**
- vertebral bone mineral analysis: an integrated approach with CT, Kalender WA; Klotz E; Suess C, *Radiology* 1987; 164: 419
- Computed tomography (CT), preoperative**
- central lung masses: prediction with CT of need for pneumonectomy versus lobectomy, Quint LE; Glazer GM; Orringer MB, *Radiology* 1987; 165: 735
- cochlear implant candidates: assessment with CT and MR imaging, Harnsberger HR; Dart DJ; Parkin JL; Smoker WRK; Osborn AG, *Radiology* 1987; 164: 53
- complex fractures of the proximal humerus: role of CT in treatment, Castagno AA; Shuman WP; Kilcoyne RF; Haynor DR; Morris ME; Matsen FA, *Radiology* 1987; 165: 759
- CT in the preoperative assessment of the mandible and maxilla for endosseous implant surgery: work in progress, Rothman SLG; Chaffetz N; Rhodes ML; Schwarz MS, *Radiology* 1988; 168: 171
- integrated stereotaxic imaging with CT, MR imaging, and digital subtraction angiography, Peters TM; Clark JA; Olivier A; Marchand EP; Mawko G; Dieumegarde M; Muresan LV; Ethier R, *Radiology* 1986; 161: 821
- recurrent shoulder dislocation after surgical repair: double-contrast CT arthrography, work in progress, Singond RD; Feldman F; Bigliani LU; Rosenberg ZS, *Radiology* 1987; 164: 425
- Computed tomography (CT), radiation exposure**
- average radiation doses in a standard head examination for 250 CT systems, McCrohan JL; Patterson JF; Gagne RM; Goldstein HA, *Radiology* 1987; 163: 263
- comparison of the radiation doses in lumbar CT and myelography, Ilkko E; Leinonen K; Lahde S, *Eur J Radiol* 1987; 7: 119
- conceptus dose from two state-of-the-art CT scanners, Wagner LK; Archer BR; Zeck OF, *Radiology* 1986; 159: 787
- dedicated CT technique for scanning neonates, Lassen MN, *Radiology* 1986; 161: 363
- normalized pediatric organ-absorbed doses from CT examinations, Fearon T; Vucich JJ, *AJR* 1987; 148: 171

Computed tomography (CT), radiation exposure

- patient absorbed dose for the Philips Tomoscan 350 CT scanner: a repeat study, Norwood HM; Cunningham C; Bowsley S; et al, *Br J Radiol* 1988; 61: 639
- potential radiation hazards to personnel during dynamic CT, Kaczmarek RG; Bednarek DR; Wong R; Kaczmarek RV; Rudin S; Alker G, *Radiology* 1986; 161: 853
- radiation dose and somatic risk from computed tomography, Faulkner K; Moores BM, *Acta Radiol* 1987; 28: 483
- radiation dose in radiography, CT, and arthrography of the temporomandibular joint, Christiansen EL; Moore RJ; Thompson JR; et al, *AJR* 1987; 148: 107
- radiation dose reduction in pediatric CT, Robinson AE; Hill EP; Harpen MD, *Pediatr Radiol* 1986; 16: 53
- radiation doses to the eye lenses in computed tomography of the orbit and the petrous bone, Neufang KFR; Zanella FE; Ewen K, *Eur J Radiol* 1987; 7: 203
- Computed tomography (CT), technology**
- 2D and 3D computed tomography of the pediatric hip, Magid D; Fishman EK; Sponseller PD; Griffin PP, *Radiographics* 1988; 8: 901
- accuracy of area measurements made from MR images compared with computed tomography, Zhu XP; Checkley DR; Hickey DS; et al, *JCAT* 1986; 10: 96
- asbestos-related pleural and parenchymal fibrosis: detection with high-resolution CT, Aberle DR; Gamsu G; Ray CS; Feuerstein IM, *Radiology* 1988; 166: 729
- cerebral peak time mapping uniformity of the value of peak time, Araki Y; Mori S; Kanoh M; et al, *Neuroradiol* 1987; 29: 160
- computed tomographic evaluation of surgical clip artifact: tissue phantom and experimental animal assessment, Silverman PM; Spicer LD; McKinney R Jr; et al, *Comput Radiol* 1986; 10: 37
- computed tomographic volumetric calculation reproducibility, Staron RB; Ford E, *Invest Radiol* 1986; 21: 272
- cranial computed tomography in the morbidly obese patient, Curnes JT; Banning BC; Robards JB, *JCAT* 1987; 11: 920
- CT in the preoperative assessment of the mandible and maxilla for endosseous implant surgery: work in progress, Rothman SLG; Chafetz N; Rhodes ML; Schwarz MS, *Radiology* 1988; 168: 171
- CT of children's feet: immobilization technique, Donaldson JS; Poznanski AK; Nieves A, *AJR* 1987; 148: 169
- CT table attachment for parasagittal scanning of the axilla, Roger DJ; Richli WR, *AJR* 1987; 149: 555
- development of a system for transillumination computed tomography, Jackson PC; Stevens PH; Smith JH; et al, *Br J Radiol* 1987; 60: 375
- device for maintaining cervical spine stabilization and traction during CT scanning, Stimac GK; Burch D; Livingston RR; et al, *AJR* 1987; 149: 345
- dynamic incremental computed tomography of the pulmonary hila using a flow-rate injector, Shepard JO; Dedrick CG; Spizarny DL; et al, *JCAT* 1986; 10: 369
- evaluation of coronary bypass graft patency by ultrafast computed tomography, Stanford W; Rooholamini M; Rumberger J; et al, *J Thorac Imag* 1988; 3-2: 52
- evaluation of CT techniques for reducing artifacts in the presence of metallic orthopedic implants, Robertson DD; Weiss PJ; Fishman EK; et al, *JCAT* 1988; 12: 236
- fully-automated computer-assisted method of CT brain scan analysis for the measurement of cerebrospinal fluid spaces and brain absorption density, Baldy RE; Brindley GS; Ewusi-Mensah I; et al, *Neuroradiol* 1986; 28: 109
- head-hanging CT: alternative method for evaluating traumatic CSF rhinorrhea, Rothfus WE; Zeeb DL; Daffner RH; et al, *AJNR* 1987; 8: 155
- heart evaluation by cine CT: use of two new oblique views, Rees MR; Feiring AJ; Rumberger JA; MacMillan RM; Clark DL, *Radiology* 1986; 159: 805
- hepatic metastasis detection: comparison of three CT contrast enhancement methods, Miller DL; Simmons JT; Chang R; Ward BA; Shawker TH; Doppman JL; Chang AE, *Radiology* 1987; 165: 785
- hepatic metastasis detection: comparison of three CT contrast enhancement methods, Matsui O, *Radiology* 1988; 168: 283
- hepatic metastasis detection: comparison of three CT contrast enhancement methods: reply, Miller DL, *Radiology* 1988; 168: 284
- high-resolution CT of the lungs: optimal approach, Mayo JR; Webb WR; Gould R; Stein MG; Bass I; Gamsu G; Goldberg HI, *Radiology* 1987; 163: 507
- incremental dynamic computed tomography: practical method of imaging the carotid bifurcation, Tress BM; Davis S; Lavain J; et al, *AJNR* 1986; 7: 49
- inferior vena cava pseudothrombus in computed tomography using a contrast medium power injector: a potential pitfall, Fagelman D; Lawrence LP; Black KS; et al, *JCAT* 1987; 11: 1042
- intravenously administered pentobarbital sodium for sedation in pediatric CT, Strain JD; Harvey LA; Foley LC; Campbell JB, *Radiology* 1986; 161: 105
- multiplanar (MPG) imaging of the hip, Fishman EK; Magid D; Mandelbaum BR; Scott WW Jr; Weiss P; Hadfield R; Mudge B; Kopits SE; Brooker AF Jr; Siegelman SS, *Radiographics* 1986; 6: 7
- new software correction approach to volume averaging artifacts in CT, Goodenough DJ; Weaver KE; Costaridou H; et al, *Comput Radiol* 1986; 10: 87
- optimal positioning for CT examinations of the skull base: experimental and clinical studies, Honda H; Watanabe K; Kusumoto S; et al, *Eur J Radiol* 1987; 7: 225
- organ volume determination by CT scanning: reduction of respiration-induced errors by feedback monitoring, Jones KR; Robinson PJ, *JCAT* 1986; 10: 167
- oxygen-assisted breath-holding in computed tomography, Sadato H; Hatabu H; Takahashi M; et al, *JCAT* 1987; 11: 742
- patient positioning for direct sagittal CT of the orbit parallel to the optic nerve, Zonneveld FW; Koornneef L, *Radiology* 1986; 158: 547
- potential of cylindrical co-ordinate three-dimensional surface models, Mott DJ, *Br J Radiol* 1988; 61: 239
- quantitative CT applications: comparison of current scanners, Cann CE, *Radiology* 1987; 162: 257
- radiolucent bite-block apparatus, Jones D; Hafermann MD, *Int J Radiat Oncol Biol Phys* 1987; 13: 129
- reduction of CT artifacts caused by metallic implants, Kalender WA; Hebel R; Ebersberger J, *Radiology* 1987; 164: 576
- semirect computed tomography of the abdomen using the Imatron ultrafast CT scanner, Feuerstein IM; Margulis AR, *JCAT* 1987; 11: 1107
- simple radiation protection device for CT, Chintapalli K; Wentworth W; Wilson CR, *AJR* 1988; 150: 199
- slice characteristics of the Imatron cine-CT scanner, Chang W, *JCAT* 1987; 11: 554
- spatial distribution of dose in computed tomography with special reference to thin-slice techniques, Moström U; Ytterbergh C, *Acta Radiol* 1987; 28: 771
- spatial resolution analysis of computed tomographic images, Assimakopoulos PA; Boyd DP; Jaschke W; et al, *Invest Radiol* 1986; 21: 260
- technical exhibits: RSNA '87 meeting notes, Gray JE; Barnes GT; Morin RL; Yester MV; Chakraborty DP, *Radiology* 1988; 166: 927
- three-dimensional anatomical images from computed tomographic scans, Gillespie JE; Isherwood I, *Br J Radiol* 1986; 59: 289
- three-dimensional CT reformation in children, Altman NR; Altman DH; Wolfe SA; et al, *AJNR* 1986; 7: 287
- three-dimensional imaging on a CT or MR scanner, Herman GT, *JCAT* 1988; 12: 450
- three-dimensional quantitative CT of the proximal femur: relationship to vertebral trabecular bone density in postmenopausal women, Bhassin S; Sartoris DJ; Fellingham L; Zlatkin MB; Andre M; Resnick D, *Radiology* 1988; 167: 145
- three-dimensional reformations of computed tomography in the assessment of facial trauma, Gillespie JE; Isherwood I; Barker GR; et al, *Clin Radiol* 1987; 38: 523
- traction device to improve CT imaging of lower cervical spine, Boger DC, *AJNR* 1986; 7: 719
- ultrafast computed tomography for infants and children, Brasch RC, *Radiol Clin North Am* 1988; 26: 277
- use of a power injector during dynamic computed tomography, Shuman WP; Adam JL; Schoenecker SA; et al, *JCAT* 1986; 10: 1000
- value of a worksheet in reporting body-CT examinations, Kinard RE; Orrison WW; Brogdon BG, *AJR* 1986; 147: 848
- vertebral mineral status: assessment with single- versus multi-section CT, Lambiasi R; Sartoris DJ; Fellingham L; Andre M; Resnick D, *Radiology* 1987; 164: 231
- Computed tomography (CT), therapeutic radiology**
- CT body stereotaxic system for placement of needle arrays, Onik G; Cosman E; Wells T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 121
- lung tumors: percutaneous implantation of I-125 sources with CT treatment planning, Heelan RT; Hilaris BS; Anderson LL; Nori D; Martini N; Watson RC; Caravelli JF; Linares LA, *Radiology* 1987; 164: 735
- radiotherapeutic computed tomography with scanned photon beams, Brahme A; Lind B; Nafstadis P, *Int J Radiat Oncol Biol Phys* 1987; 13: 95
- radiotherapy planning: direct tumor location on simulation and port films using CT, part I, principles, Haynor DR; Boring AW; Griffin BA; Jacky JP; Kalet JJ; Shuman WP, *Radiology* 1986; 158: 537
- use of simulator-based computed tomography in iridium-192 dosimetry, Kotre CJ; Lambert GD; Dawes PJD, *Br J Radiol* 1986; 59: 1035
- Computed tomography (CT), tissue characterization**
- effect of collagen on bone mineral analysis with CT, Goodsitt MM; Kilcoyne J; Gutcheck RA; Richardson ML; Rosenthal DL, *Radiology* 1988; 167: 787
- fast computer processing for tissue highlighting in computed tomographic cross-sectional imaging and digital scan projection radiography, Moore CJ; Eddleston B, *Br J Radiol* 1986; 59: 577
- tissue analysis by dual-energy computed tomography, Hawkes DJ; Jackson DF; Parker RP, *Br J Radiol* 1986; 59: 537
- Computed tomography (CT), treatment planning**
- computed tomography in radiotherapy planning of the axillary region, Jacobs CG; Zinreich ES; Fishman EK; et al, *CT* 1986; 10: 221
- computed tomography in radiotherapy treatment planning, Tremewan RN, Australas Radiol 1988; 32: 50
- coordinate transfer of anatomical information from CT to treatment simulation, Cheng CW; Chin LM; Kijewski PK, *Int J Radiat Oncol Biol Phys* 1987; 13: 1559
- CT of the axilla: normal anatomy and pathology, Fishman EK; Zinreich ES; Jacobs CG; Rostock RA; Siegelman SS, *Radiographics* 1986; 6: 475
- direct multiplanar computed tomography in planning radiotherapy for malignant tumours of the nasopharynx, Silvestre ME; Medina E; Andrea M; et al, *Clin Radiol* 1986; 37: 15
- inadequacy of conventional computerized tomography scans for treatment planning of tangential breast (chest wall) fields, Kogelnik HD; Brandis M-G; Rahim H; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 721
- integrated stereotaxic imaging with CT, MR imaging, and digital subtraction angiography, Peters TM; Clark JA; Olivier A; Marchand EP; Mawko G; Dieumegarde M; Muresan LV; Ethier R, *Radiology* 1986; 161: 821
- lung tumors: percutaneous implantation of I-125 sources with CT treatment planning, Heelan RT; Hilaris BS; Anderson LL; Nori D; Martini N; Watson RC; Caravelli JF; Linares LA, *Radiology* 1987; 164: 735

- patient immobilization during CT for treatment planning of head and neck cancer, Sewchand W; Aygun C; Nicholson G; Salazar OM, *Radiology* 1986; 158: 251
- radiotherapy planning: direct tumor location on simulation and port films using CT. part I. principles, Haynor DR; Boring AW; Griffin BA; Jacky JP; Kalet JJ; Shuman WP, *Radiology* 1986; 158: 537
- use of computed tomography for a three-dimensional treatment planning system, Schlusberg DS; Smith WK; Woodward DJ; et al, *Comput Med Imag Graph* 1988; 12: 25
- Computed tomography (CT), utilization**
- changes in CT utilization between 1981 and 1984: implications for Medicare payment for MR imaging under the prospective payment system, Steinberg EP; Anderson GF; Steinwachs DM, *Radiology* 1987; 165: 279
- cost effectiveness of chest CT in TINOMO lung cancer, Black WC; Armstrong P; Daniel TM, *Radiology* 1988; 167: 373
- diagnostic radiology: usage and trends in the United States, 1964-1980, Mettler FA Jr, *Radiology* 1987; 162: 263
- influence of CT on radiologic utilization in The Netherlands, Binkhuysen FHB; Puylaert CBAJ, *Radiology* 1988; 169: 827
- president's address: caring for the major trauma victim: role for radiology, McCort JJ, *Radiology* 1987; 163: 1
- use of CT in acute trauma victims, Young JWR; Burgess AR, *Radiology* 1988; 166: 903
- use of CT in acute trauma victims: reply, McCort JJ, *Radiology* 1988; 166: 903
- value of CT in the preoperative assessment of lung cancer: survey of thoracic surgeons, Epstein DM; Stephenson LW; Geffer WB; van der Voorde F; Aronchick JM; Miller WT, *Radiology* 1986; 161: 423
- Computers**
- See also Computed tomography (CT)
- acquisition of gamma camera and physiological data by computer, Hack SN; Chang M; Line BR; et al, *J Nucl Med* 1986; 27: 1755
- ACR-NEMA digital imaging and communications standards: minimum requirements, Wang Y; Best DE; Hoffman JC; Horii SC; Lehr JL; Lodwick GS; Morse RR; Murphy LL; Nelson OL; Perry J; Thompson BG; Zielonka JS, *Radiology* 1988; 166: 529
- algorithm for planning stereotactic brain implants, Renner WD; Pugh NO; Ross DB; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 631
- approach to digital signal processing for ultrasonics research, Knight PC; Robinson DE, *Ultrasound Med Biol* 1987; 13: 345
- automated management of screening and diagnostic mammography, Haug PJ; Tocino IM; Clayton PD; Bair TL, *Radiology* 1987; 164: 747
- automation of film library functions, Bauman RA, *Radiol Clin North Am* 1986; 24: 11
- brains—a computer advisor system to aid in CT scan interpretation and cerebral disease diagnosis, du Boulay GH; Teather D; Morton BA; et al, *Neuroradiol* 1987; 29: 196
- computer-aided design and realization of scientific exhibits in radiology, Chew FS; Hefner ML, *AJR* 1987; 149: 195
- computer-aided diagnostic strategy selection, Greenes RA, *Radiol Clin North Am* 1986; 24: 105
- computer-aided instructional module for radiological physics, Starkshall G; Riggs JD; Lowther JR II, *Int J Radiat Oncol Biol Phys* 1986; 12: 421
- computer-aided treatment planning technique for universal wedges, Cheng CW; Chin LM, *Int J Radiat Oncol Biol Phys* 1987; 13: 1927
- computer and stereotactic surgery in neurological surgery, Jenny AB; Biondetti PR; Layton B; et al, *Comput Med Imag Graph* 1988; 12: 75
- computer-assisted scheduling of radiologists, Reinius WR; Totty WC, *AJR* 1986; 147: 203
- computer-assisted scheduling of radiology resident call, Larson CT III; Larson SL; Harle TS, *Invest Radiol* 1986; 21: 424
- computer-generated examinations for residents in radiology, Crass JR, *AJR* 1986; 146: 413
- computerized filing system for radiology teaching cases, Siström CL; Black WC, *AJR* 1987; 149: 191
- computerized reference management—filing the literature, Gurney JW; Wigton RS, *AJR* 1987; 149: 411
- computerized reference management: searching the literature, Gurney JW; Wigton RS, *AJR* 1986; 147: 641
- computerized search of chest radiographs for nodules, Lampeter WA; Wandtke JC, *Invest Radiol* 1986; 21: 384
- computerized system for handling renal size measurements from urograms, Claesson I; Jacobsson B; Riha M, *Pediatr Radiol* 1987; 17: 459
- computer simulation of nuclear magnetic resonance imaging, Summers RM; Axel L; Israel S, *Magn Res Med* 1986; 3: 363
- considerations in the purchase of a nuclear medicine computer system, Graham MM; Links JM; Lewellen TK; et al, *J Nucl Med* 1988; 29: 717
- design and implementation of a computer-based ultrasound data system, Ott WJ, *J Ultrasound Med* 1986; 5: 25
- development and use of a computer system in a radiotherapy department: SISGRAD, Costa A; Lalanne C-M; Marcié S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1949
- development of a useful picture archiving and communications system, Spackman TJ; Bensman KW, *AJR* 1987; 148: 1025
- digital image management: networking, display, and archiving, Cox GG; Templeton AW; Dwyer SJ III, *Radiol Clin North Am* 1986; 24: 37
- digital image management networks: current status, Templeton AW; Cox GG; Dwyer SJ III, *Radiology* 1988; 169: 193
- estimating digital information throughput rates for radiology networks: model, Cox GG; Templeton AW; Anderson WH; et al, *Invest Radiol* 1986; 21: 162
- fast computer processing for tissue highlighting in computed tomographic cross-sectional imaging and digital scan projection radiography, Moore CJ; Eddleston B, *Br J Radiol* 1986; 59: 577
- hemodynamic evaluation of arterial stenoses by computer simulation, Kandarpa K; Davids N; Gardiner GA Jr; et al, *Invest Radiol* 1987; 22: 393
- importance of appropriate suite designs in the era of computerized imaging, Williams CO; Groce KA, *Radiol Clin North Am* 1986; 24: 337
- improved financial management of the radiology department with a microcosting system, Arenson RL; van der Voorde F; Stevens JF, *Radiology* 1988; 166: 255
- information integration for the imaging specialist, Shannon RH, *Radiol Clin North Am* 1986; 24: 121
- microcomputer applications for the academic radiologist, Amis ES Jr, *AJR* 1987; 149: 187
- microcomputer-assisted residency data management, Charletta DA, *Invest Radiol* 1988; 23: 224
- microcomputer-based graphics for radiology, Taylor GA, *AJR* 1986; 147: 1319
- microcomputer patient database management system for an MRI facility, Holschouer BA; Bradley WG Jr, *AJR* 1986; 146: 871
- minimum data input computer program for Selectron treatment calculation, Smith O, *Br J Radiol* 1987; 60: 181
- monitoring department efficiency and quality, Jost RG, *Radiol Clin North Am* 1986; 24: 27
- office automation, Arenson RL, *Radiol Clin North Am* 1986; 24: 87
- operational radiologic image archive on digital optical disks, Mankovich NJ; Taira RK; Cho PS; Huang HK, *Radiology* 1988; 167: 139
- paperless radiology department, De Campo JF; Boldt DW, *Australas Radiol* 1988; 32: 122
- personal computer needs for the radiologist, Newell JD; Hunter TB, *Invest Radiol* 1986; 21: 167
- personal computers: their use in a low-volume imaging department, Henry RE, *AJR* 1986; 146: 1302
- personalized data management for the radiologist, Uri DS; Wall SD, *AJR* 1988; 150: 1415
- PHOENIX: an expert system for selecting diagnostic imaging procedures, Kahn CE Jr; Messersmith RN; Jockim MD, *Invest Radiol* 1987; 22: 978
- quantitative autoradiography using a personal computer, Lowellen TK; Graham MM; Spence AM, *J Nucl Med* 1986; 27: 549
- radiology reporting, Jost RG, *Radiol Clin North Am* 1986; 24: 19
- radiology reports: assessment of a 5,000-word speech recognizer, Robbins AH; Vincent ME; Shaffer K; Maletta R; Srinivasan MK, *Radiology* 1988; 167: 853
- registration and scheduling processes, Bauman RA, *Radiol Clin North Am* 1986; 24: 5
- reliability of record linkage in the Swedish Cancer-Environment Register, Wiklund K; Eklund G, *Acta Oncol* 1986; 25: 11
- role of artificial intelligence in medical imaging, Zientara GP, *Invest Radiol* 1988; 23: 68
- simple tailored microcomputer system for the obstetrical ultrasound laboratory, Carrasco CR; Leymaster CE, *J Ultrasound Med* 1986; 5: 21
- some applications for a personal computer data-base system in radiology, Sommer FG, *AJR* 1986; 147: 1075
- speech-controlled generation of radiology reports, Robbins AH; Horowitz DM; Srinivasan MK; Vincent ME; Shaffer K; Sadowsky NL; Sonnenfeld M, *Radiology* 1987; 164: 569
- spreadsheet program for brachytherapy planning, Sherouse GW; Naves JL; Varia MA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 639
- teaching with computers, Arenson RL, *Radiol Clin North Am* 1986; 24: 97
- tele-radiology, Gitlin JN, *Radiol Clin North Am* 1986; 24: 55
- toward automated image analysis: future possibilities in historical perspective, Ackerman L, *Radiol Clin North Am* 1986; 24: 79
- use of a personal computer to measure gamma camera spatial resolution, Norwood HM; Walker AL; Parkin A; et al, *Br J Radiol* 1988; 61: 237
- use of computers in mammography screening, Sickles EA, *Radiol Clin North Am* 1987; 25: 1015
- visual perception and image display terminals, Kundel HL, *Radiol Clin North Am* 1986; 24: 69
- voice-activated radiology reports, Denshaw DD, *Radiology* 1988; 167: 284
- voice recognition system, Hansen GC; Falkenbach KH; Yaghmai I, *Radiology* 1988; 169: 580
- Computers, diagnostic aid**
- algorithm for the detection of fine clustered calcifications on film mammograms, Fam BW; Olson SL; Winter PF; Scholz FJ, *Radiology* 1988; 169: 333
- breast calcifications: analysis of imaging properties, Olson SL; Fam BW; Winter PF; Scholz FJ; Lee AK; Gordon SE, *Radiology* 1988; 169: 329
- computer aids to mammographic diagnosis, Gale AG; Roebuck EJ; Riley P; et al, *Br J Radiol* 1987; 60: 587
- computer applications and digital imaging: RSNA '87 meeting notes, Arenson RL; Dwyer SJ III; Jost RG, *Radiology* 1988; 166: 925
- digital image management networks: current status, Templeton AW; Cox GG; Dwyer SJ III, *Radiology* 1988; 169: 193
- ICON: computer-based approach to differential diagnosis in radiology, Swett HA; Miller PL, *Radiology* 1987; 163: 555
- person-machine systems for image-based diagnosis, Pickett RM, *Invest Radiol* 1988; 23: 394
- Computers, examination control**
- volumetric rendering techniques: applications for three-dimensional imaging of the hip, Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS, *Radiology* 1987; 163: 737
- Connective tissue, diseases**
- fibrodysplasia ossificans progressiva: CT appearance, Reing JW; Hill SC; Fang M; Marini J; Zasloff MA, *Radiology* 1988; 159: 153

Connective tissue, diseases

radiological features of systemic mast-cell disease, Huang T-Y; Yam LT; Li C-Y, *Br J Radiol* 1987; 60: 765

scleromyxedema: a scleroderma-like disorder with systemic manifestations, (ab), Gabriel SE; Perry HO; Oleson GB; et al, *Radiology* 1988; 169: 591

Connective tissue, inflammation

See Cellulitis

Contraceptives and contraceptive devices

empty-bladder (hystero)graphic view on US for evaluation of intrauterine devices, work in progress, Carroll R; Gombergh R, *Radiology* 1987; 163: 822

female pelvic anatomy: MR assessment of variations during the menstrual cycle and with use of oral contraceptives, McCarthy S; Tauber C; Gore J, *Radiology* 1986; 160: 119

intrauterine contraceptive devices: MR imaging, Mark AS; Hricak H, *Radiology* 1987; 162: 311

mammographic breast pattern and oral contraception, Leinster SJ; Whitehouse GH, *Br J Radiol* 1986; 59: 237

molding of the uterus following intrauterine contraceptive device removal: documentation by hysterosalpingography, Viglione CA; Cuttino JT Jr; Clark RL, *Urol Radiol* 1987; 9: 188

new observations in the sonographic evaluation of intrauterine contraceptive devices, Najarian KE; Kurtz AB, *J Ultrasound Med* 1986; 5: 205

resolution of a contraceptive-steroid-induced hepatic adenoma with subsequent evolution into hepatocellular carcinoma, (ab), Gordon SC; Reddy KR; Livingstone AS; et al, *Radiology* 1987; 163: 586

ultrasonically controlled retrieval of an intrauterine contraceptive device (IUCD) in early pregnancy, Shalev E; Edelstein S; Engelhard J; et al, *JCU* 1987; 15: 525

ultrasonic monitoring under local anesthesia during removal of an embedded intrauterine contraceptive device, Reuter KL; Daly D, *JCU* 1986; 14: 68

Contrast media

abdominal and pelvic CT: use of oral metoclopramide to enhance bowel opacification, Thoeni RF; Filson RG, *Radiology* 1988; 169: 391

acute experimental cerebral ischemia: MR enhancement using Gd-DTPA, McNamara MT; Brant-Zawadzki M; Berry I; Pereira B; Weinstein PR; Derugin N; Moore S; Kucharczyk W; Brasch RC, *Radiology* 1986; 158: 701

addition of local anesthetics to contrast media: I. effects on patient discomfort and hemodynamics in aortofemoral angiography, Nilsson P; Almen T; Golman K; et al, *Acta Radiol* 1987; 28: 209

albumin labeled with Gd-DTPA as an intravascular, blood pool-enhancing agent for MR imaging: biodistribution and imaging studies, Schmiedl U; Ogan MD; Paajanen H; Marotti M; Crooks LE; Brito AC; Brasch RC, *Radiology* 1987; 162: 205

cardiovascular/interventional radiology. RSNA '87 meeting notes, Hunter DW; Baum S; Becker GJ; Casarella WJ; Cragg AH; Darcy MD; Kopecky K; Smith TP, *Radiology* 1988; 166: 608

catalog of intravascular contrast media, Fischer HW, *Radiology* 1986; 159: 561

contrast media toxicity: part I. effects upon IV-DSA time-concentration curve peak and width: experimental studies, Burbank FH; Thompson WM, *Invest Radiol* 1986; 21: 240

contrast medium precipitation during abdominal CT, Ball DS; Radecki PD; Friedman AC; Caroline DF; Mayer DP, *Radiology* 1986; 158: 258

current problems of contrast materials, Siegle RL, *Invest Radiol* 1986; 21: 779

distribution of iodized oil within the liver after hepatic arterial injection, Miller DL; O'Leary TJ; Gorton ME, *Radiology* 1987; 162: 849

distribution of iodized oil within the liver after hepatic arterial injection, Park CH; Thakur ML; Madsen MT, *Radiology* 1987; 164: 585

distribution of iodized oil within the liver after hepatic arterial injection: reply, Miller DL; Gorton ME; O'Leary TJ, *Radiology* 1987; 164: 586

economic impact of low-osmolality contrast agents on radiology procedures and departments, Evans RG, *Radiology* 1987; 162: 267

endoscopic retrograde cholangiography with a balloon catheter: analysis of 100 consecutive cases, Yoshimoto H; Ikeda S; Tanaka M; Matsumoto S; Nakayama F, *Radiology* 1986; 159: 53

evaluation of the dehydration-rehydration method for production of contrast-carrying liposomes, Seltzer SE; Gregoriadis G; Dick R, *Invest Radiol* 1988; 23: 131

fluorescein labeling of lymphatic vessels for lymphangiography, Cooper SG; Maitem AN; Richman AH, *Radiology* 1988; 167: 559

Gd-DTPA contrast enhancement and tissue differentiation in MR imaging of experimental breast carcinoma, Revel D; Brasch RC; Paajanen H; Rosenau W; Grodd W; Engelstad B; Fox P; Winkelhake J, *Radiology* 1986; 158: 319

heating contrast media in a microwave oven, Halsell RD, *Radiology* 1987; 163: 279

hemodynamic effects of high versus low-osmolality contrast media for ventriculography in severe aortic stenosis, Lambert CR; Pepine CJ, *Cardiovasc Intervent Radiol* 1988; 11: 10

hepatic intraarterial lipiodol: technique, semilogical patterns, and value for hepatic tumors, Brunet J-N; Kerboul P; Grimaldi C; et al, *Gastrointest Radiol* 1988; 13: 45

high and low osmolal contrast media: who pays? Gøthlin JH, *Eur J Radiol* 1988; 8: 67

high-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent, Spataro RF; Katzberg RW; Fischer HW; McManis MJ, *Radiology* 1987; 162: 9

incompatibility of Hexabrix and Papaverine, Pilla TJ; Beshany SE; Shields JB, *AJR* 1986; 146: 1300

increased detection of intracranial metastases with intravenous Gd-DTPA, Healy ME; Hesselink JR; Press GA; Middleton MS, *Radiology* 1987; 165: 619

iodinated contrast agents as "radiosensitisers", Dawson P; Penhaligon M; Smith E; et al, *Br J Radiol* 1987; 60: 201

liquid gold: low-osmolality contrast media, White RI Jr; Halden WJ Jr, *Radiology* 1986; 159: 559

liver metastases from colorectal cancers: detection with CT during arterial portography, Matsui O; Takashima T; Kadoya M; Suzuki M; Hirose J; Kameyama T; Choto S; Konishi H; Ida M; Yamaguchi A; Izumi R, *Radiology* 1987; 165: 65

liver metastasis detection: comparative sensitivities of MR imaging and CT scanning, Reing JW; Dwyer AJ; Miller DL; White M; Frank JA; Sugarbaker PH; Chang AE; Doppman JL, *Radiology* 1987; 162: 43

low-osmolality contrast media: premises and promises, McClellan BL, *Radiology* 1987; 162: 1

medical and economic considerations in using a new contrast medium, (ab), Fischer HW; Spataro RF; Rosenberg PM, *Radiology* 1987; 162: 592

meningeal carcinomatosis in the VX2 rabbit tumor model: detection with Gd-DTPA-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Wright DC; Cohen PJ; Doppman JL, *Radiology* 1988; 167: 825

MR detection of liver metastases, Reing JW; Dwyer AJ; Miller DL; Frank JA; Doppman JL, *Radiology* 1987; 163: 582

multiple sclerosis: gadolinium enhancement in MR imaging, Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH, *Radiology* 1986; 161: 721

new and old contrast agents: pharmacology, tissue opacification, and excretory urography, Spataro RF, *Urol Radiol* 1988; 10: 2

new and old contrast agents: physiology and nephrotoxicity, Katzberg RW, *Urol Radiol* 1988; 10: 6

non-ionic dimers: new class of contrast agents, Dawson P; Howell M, *Br J Radiol* 1986; 59: 987

paramagnetic macrocyclic complexes as contrast agents for MR imaging: proton nuclear relaxation rate enhancement in aqueous solution and in rat tissues, Jackels SC; Kroos BR; Hinson WH; Karstaedt N; Moran PR, *Radiology* 1986; 159: 525

production and evaluation of contrast-carrying liposomes made with an automatic high-pressure system, Cheng KT; Seltzer SE; Adams DF; et al, *Invest Radiol* 1987; 22: 47

R.A.C.R. survey of intravenous contrast media reactions, a preliminary report, Palmer FJ, *Australas Radiol* 1988; 32: 8

recent advances in contrast agents, Bettmann MA; Morris TW, *Radiol Clin North Am* 1986; 24: 347

reducing the cost of using contrast media: a look at discarded volumes, Kinnison ML; Steinberg EP; Powe NR; Anderson GF, *Radiology* 1988; 166: 367

renal embolization: a study of the interaction of contrast media and ethanol, Hoogewoud H-M; Petropoulos P, *Cardiovasc Intervent Radiol* 1987; 10: 219

safer, more expensive iodinated contrast agents: how do we decide? Wolf GL, *Radiology* 1986; 159: 557

spermatic vein embolization with hot contrast material: fertility results, Smith TP; Hunter DW; Cragg AH; Darcy MD; Castaneda-Zuniga WR; Sinclair TR; Ercole C; Hulbert JC; Kaye KW; Anplatz K, *Radiology* 1988; 168: 137

study of isotonic contrast media in intravenous digital subtraction angiography, Frija G; Schouman-Claeys E; Bonaly A; et al, *Invest Radiol* 1987; 22: 597

technique for simultaneous microangiographic and cytochemical investigation of resin-embedded tissues, van Dale P; Osteaux M; Penasse W; et al, *Invest Radiol* 1986; 21: 714

to whom should we give the safer contrast media?, Black WC, *Radiology* 1987; 163: 831

to whom should we give the safer contrast media? reply, McClellan BL, *Radiology* 1987; 163: 831

use of low-osmolality contrast media in a price-sensitive environment, Steinberg EP; Anderson GF; Powe NR; et al, *AJR* 1988; 151: 271

use of low osmolality water soluble (LOWS) contrast media in the pediatric gastrointestinal tract: report of 115 examinations, Ratcliffe JF, *Pediatr Radiol* 1986; 16: 47

ytterbium-DTPA: potential intravascular contrast agent, Unger E; Gutierrez F, *Invest Radiol* 1986; 21: 802

Contrast media, comparative studies

adverse reactions following two separate intravascular injections of contrast media in the same patient: comparison between iohexol and monomeric ionic media, Sogn EE; Odegard T; Haider T; et al, *Acta Radiol* 1987; 28: 93

characterization of liposomes containing iodine-125-labeled radiographic contrast agents, Zalutsky MR; Noska MA; Seltzer SE, *Invest Radiol* 1987; 22: 141

choosing contrast media for the evaluation of the gastrointestinal tract of neonates and infants, Cohen MD, *Radiology* 1987; 162: 447

clinical intravenous urography: comparative trial of ioxaglate and iopamidol, Loughran CF, *Radiology* 1986; 161: 455

comparative effects of nonionic (iopamidol) and ionic (sodium and meglumine diatrizoate) contrast media for urography on urinary excretion of water and solutes, Garibotto G; Saffioti S; Garlaschi G; et al, *Urol Radiol* 1986; 8: 199

comparative trial of hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and iopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report, Doyon D; Ducot B; Halimi PH; et al, *Br J Radiol* 1987; 60: 671

comparison of iohexol and iopamidol for lumbar myelography, Hoe JWM; Ng AMN; Tan LKA, *Clin Radiol* 1986; 37: 505

comparison of low-osmolal contrast media in paediatric cardiac angiography, Rubin CME; Ogilvie BC; Keeton BR, *Br J Radiol* 1987; 60: 133

- comparison of patient responses to high- and low-osmolality contrast agents injected intravenously. Bagg MJ; Horwitz TA; Bester L. *AJR* 1986; 147: 185
- comparison of the electrocardiographic and hemodynamic responses to ionic and nonionic radiocontrast media during left ventriculography: randomized double-blind study. (ab). Salem DN; Konstam MA; Isner JM; et al. *Radiology* 1987; 162: 292
- comparison of the image quality of intravenous urograms using low-osmolar contrast media. Kaye B; Howard J; Ford KD; et al. *Br J Radiol* 1988; 61: 589
- comparison of two strengths of iohexol and iohalamate in urography. Davies P; Graves J; Panto PN; et al. *Urol Radiol* 1987; 9: 30
- contrast, coagulation, and fibrinolysis. Dawson P; Hewitt P; Mackie IJ; et al. *Invest Radiol* 1986; 21: 248
- contrast enhancement of brain tumors and irradiated normal brain: comparison of iohexol and iohalamate. Fike JR; Cann CE; Turowski K; et al. *Neuroradiol* 1986; 28: 61
- contrast media toxicity: part II. isotonic ioxaglate vs. standard Renografin for IV-DSA evaluation of the carotid bifurcation, a double-blind prospective clinical trial. Burbank FH; Bradley BR; Yegnashankaran S; et al. *Invest Radiol* 1986; 21: 340
- double-blind study comparing the efficiency, tolerance and renal effects of iopromide and iopamidol. Kennedy C; Richards D; Lee S; et al. *Br J Radiol* 1988; 61: 288
- double-blind study of a new nonionic contrast agent for cardiac angiography. Reagan K; Bettman MA; Finkelstein J; Ganz P; Grassi CJ. *Radiology* 1988; 167: 409
- effect of intrathecal iohexol on visual evoked response latency: comparison including incidence of headache with iopamidol and metrizamide in myelographic radiography. Broadbridge AT; Bayliss SG; Brayshaw CI. *Clin Radiol* 1987; 38: 71
- effects of intracarotid ionic and non-ionic contrast material on the blood-brain barrier in a rabbit model. Wilcox J; Evill CA; Sage MR. *Neuroradiol* 1986; 28: 271
- effects of intravascular contrast media on blood-brain barrier: comparison between iohalamate, iohexol, iopentol and iodoxanol. Michelet AA. *Acta Radiol* 1987; 28: 329
- effects of metrizoate and iohexol on the liver at visceral angiography. Billström A; Hietala S-O; Wirell S. *Acta Radiol* 1987; 28: 707
- excretory urography with iohexol: evaluation in children. Magill HL; Clarke EA; Fitch SJ; Boulden TF; Ramirez R; Siegle RL; Somes GW. *Radiology* 1986; 161: 625
- experimental evaluation of various available contrast agents for use in the gastrointestinal tract in case of suspected leakage. effects on pleura. Ginai AZ. *Br J Radiol* 1986; 59: 887
- heating contrast media: role in contemporary angiography. Halsell RD. *Radiology* 1987; 164: 276
- hepatic metastasis detection: comparison of three CT contrast enhancement methods. Miller DL; Simmons JT; Chang R; Ward BA; Shawker TH; Doppman JL; Chang AE. *Radiology* 1987; 165: 785
- hepatic metastasis detection: comparison of three CT contrast enhancement methods. Matsui O. *Radiology* 1988; 168: 283
- hepatic metastasis detection: comparison of three CT contrast enhancement methods: reply. Miller DL. *Radiology* 1988; 168: 284
- herniography: comparison of morbidity and image quality after use of high and low osmolality contrast media. Ekberg O; Nilsson FE. *Invest Radiol* 1986; 21: 404
- high- and low-osmolar contrast agents in urography: comparison of the appearances with respect to pyelotubular opacification and renal length. Whitehouse RW. *Clin Radiol* 1986; 37: 395
- high-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent. Spataro RF; Katzberg RW; Fischer HW; McMannis MJ. *Radiology* 1987; 162: 9
- incidence of ventricular fibrillation during coronary arteriography in the rabbit: comparative study of isotonic ioxaglate and iohexol. Donadieu AM; Hartl C; Cardinal A; et al. *Invest Radiol* 1987; 22: 106
- intravascular contrast media: effect of dose on renal function. Miller DL; Chang R; Wells WT; Dowjat BA; Malinosky RM; Doppman JL. *Radiology* 1988; 167: 607
- intravenous injection of ioxilan, iohexol and diatrizoate: effects on urine profiles in the rat. Thomsen HS; Dorff S; Mygind T; et al. *Acta Radiol* 1988; 29: 131
- in vitro study of high-pressure catheters and various contrast agents. Rees CR; Merchun G; Becker GJ; Klatte EC; Mail JT; Mulry C. *Radiology* 1988; 166: 53
- iopamidol and neural tissue metabolism: comparative in vitro study. Ekholm SE; Morris TW; Fonte D; et al. *Invest Radiol* 1986; 21: 798
- iotrol versus iopamidol for radioculography: a randomized double-blind study. Coutinho C; McGeorge A; Macpherson P; et al. *Br J Radiol* 1988; 61: 89
- iotrol versus metrizamide in lumbar myelography: double-blind study. Malnor MD; Houston LW; Strother CM; Turski PA; Sackett JF; Boyer M. *Radiology* 1986; 158: 845
- IV contrast material for abdominal CT: comparison of three methods of administration. Platt JF; Glazer GM. *AJR* 1988; 151: 275
- knee arthrography: comparison of iohexol, ioxaglate sodium meglumine, and metrizoate. Obermann WR; Kieft GJ. *Radiology* 1987; 162: 729
- knee arthrography: effects of various contrast media and epinephrine on synovial fluid. Corbetti F; Malatesta V; Camposampiero A; Mazzi A; Punzi L; Angelini F; Vigo M; Todesco S. *Radiology* 1986; 161: 195
- mechanisms of action of contrast media on cranial vessels: comparison of diatrizoate, ioxaglate, iohexol, mannitol, and NaCl on rabbit basilar and ear arteries. Jansen I; Golman K; Edvinsson L. *Invest Radiol* 1987; 22: 814
- metrizamide compared with iohexol for cervical myelography: a double-blind study. Reisin R; Ethier R; de la Sayette V; et al. *J Canad Assoc Radiol* 1988; 39: 107
- MR imaging of rat brain glioma: Gd-DTPA versus Gd-DOTA. Runge VM; Jacobson S; Wood ML; Kaufman D; Adelman LS. *Radiology* 1988; 166: 835
- nonionic versus ionic contrast media in intravenous urography: clinical trial in 1,000 consecutive patients. Jacobson BF; Jorulf H; Kalantar MS; Narasimham DL. *Radiology* 1988; 167: 601
- Omnipaque vs. Hexabrix in intravenous DSA of the carotid arteries: randomized double-blind crossover study. Nakstad PH; Bakke SJ; Kjartansson O; et al. *AJNR* 1986; 7: 303
- optimal concentration of contrast medium for aortography and femoral arteriography: comparison of Hexabrix 320 and Hexabrix 250. Grainger RC. *Clin Radiol* 1986; 37: 281
- pain during angiography: randomized double-blind trial comparing ioxaglate and diatrizoate. Pathria M; Somers S; Gill G. *J Canad Assoc Radiol* 1987; 38: 32
- pain in peripheral arteriography: an assessment of conventional versus ionic and non-ionic low-osmolality contrast agents. Murphy G; Campbell DR; Fraser DB. *J Canad Assoc Radiol* 1988; 39: 103
- penetration of subarachnoid contrast medium into rabbit spinal cord: comparison between metrizamide and iohexol. Holtas S; Morris TW; Ekholm SE; et al. *Invest Radiol* 1986; 21: 151
- penetration of the brain by nonionic water soluble tri- and hexaiodinated contrast media. experimental autoradiographic study of two contrast media: iotrol and iopamidol labelled with iodine 125. Castel J-C; Dorcier F; Caille JM. *Neuroradiol* 1987; 29: 206
- pulmonary angiography with iopamidol: patient comfort, image quality, and hemodynamics. Saeed M; Braun SD; Cohen RH; Sussman SK; Illescas FF; Perlmutter LM; Newman GE; Dunnick NR. *Radiology* 1987; 165: 345
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate. Smith DC; Lois JF; Gomes AS; Maloney MD; Yahiku PY. *Radiology* 1987; 162: 617
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate. Seyferth W; Zeitler E. *Radiology* 1987; 164: 875
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate: reply. Smith DC; Maloney MD. *Radiology* 1987; 164: 875
- radiologic diagnosis of gastro-oesophageal reflux: comparison of barium and low-density contrast medium. Fransson S-G; Sötker H; Johansson K-E; et al. *Acta Radiol* 1987; 28: 295
- three new low-osmolality contrast agents: a comparative study of patient discomfort. Smith DC; Yahiku PY; Maloney MD; et al. *AJNR* 1988; 9: 137
- tolerability of hypertonic and isotonic contrast media injected intravenously: a comparative study in the dog. Bonnemain B; Hartl C; Cardinal A; et al. *Invest Radiol* 1988; 23: 478
- urography with a low osmolality contrast agent: comparison of Hexabrix with Conray 325. McClellan BL; Ling D; Rholl KS; et al. *Invest Radiol* 1986; 21: 144
- use of a low-osmolality contrast medium in hysterosalpingography: comparison with a conventional contrast medium. (ab). Davies AC; Keightley A; Borthwick-Clarke A; et al. *Radiology* 1986; 158: 859
- use of conventional vs low-osmolar contrast agents: a legal analysis. Reuter SR. *AJR* 1988; 151: 529
- water-soluble contrast media compared with barium in enteric follow-through: urinary excretion and radiographic efficacy in rats with intestinal ischemia. Stordahl A; Laerum F. *Invest Radiol* 1988; 23: 471
- water-soluble contrast media in radiography of small bowel obstruction: comparison of ionic and non-ionic contrast media. Stordahl A; Laerum F; Gjølberg T; et al. *Acta Radiol* 1988; 29: 53

Contrast media, complications

- acute systemic reactions to intravascular contrast media—a planned approach. Skowronski GA; Runciman WB; Crawford CWS; et al. *Australas Radiol* 1987; 31: 186
- acute thrombocytopenia induced by parenteral radiographic contrast medium. Lacy J; Boher-Sorcinelli KE; Farber LR; et al. *AJR* 1986; 146: 1298
- adverse reactions following two separate intravascular injections of contrast media in the same patient: comparison between iohexol and monomeric ionic media. Sogn EE; Odgaard T; Haider T; et al. *Acta Radiol* 1987; 28: 93
- adverse reactions to contrast media: related to medium or procedure? observations on a case. Hald JK; Jakobsen JA; Andrew E; et al. *Br J Radiol* 1988; 61: 337
- adverse reactions to iotroxate at intravenous cholangiography: a prospective clinical investigation and review of the literature. Nilsson U. *Acta Radiol* 1987; 28: 571
- allergy to barium sulfate suspension with angioedema of the stomach and small bowel. Shaffer HA Jr; Eckard DA; de Lange EE; et al. *Gastrointest Radiol* 1988; 13: 221
- anaphylaxis following "hexabrix" during routine coronary angiography. Langton JA; Magee P; Sedgwick J; et al. *Eur J Radiol* 1988; 8: 60
- barium intravasation: radiographic and CT findings in a nonfatal case. Chan F-L; Tso W-K; Wong L-C; Ngan H. *Radiology* 1987; 163: 311
- blood clot formation in angiographic syringes containing nonionic contrast media. Robertson HJF. *Radiology* 1987; 162: 621
- blood clot formation in angiographic syringes containing nonionic contrast media. Millward S; Wedding K; Frankow-Reid E. *Radiology* 1987; 164: 879

Contrast media, complications

- blood clot formation in angiographic syringes containing nonionic contrast media, Rasuli P, *Radiology* 1987; 165: 582
- blood clot formation in angiographic syringes containing nonionic contrast media: reply, Robertson HJF, *Radiology* 1987; 165: 582
- coherent biochemical basis for increased reactivity to contrast material in allergic patients: novel concept, Lasser EC, *AJR* 1987; 149: 1281
- comparison of the incidence of cardiac arrhythmias produced by two intravenous contrast media in coronary artery disease, Foster CJ, Griffin JF, *Clin Radiol* 1987; 38: 399
- complications in cerebral angiography with iohexol (Omnipaque) and meglumine metrizoate (Isopaque cerebral), Skälpe IO, *Neuroradiol* 1988; 30: 69
- computed tomography of thorotrastosis, Findley A; Childress MH, *CT* 1987; 11: 188
- contrast-induced renal failure: detection by the persistent nephrogram: a case report, Davies RP; Sage MR, *Australas Radiol* 1987; 31: 386
- contrast media for angiography: effect on renal function, Cruz C; Hricak H; Samhoury F; Smith RF; Eyer WR; Levin NW, *Radiology* 1986; 158: 109
- contrast media-induced blood-brain barrier damage: potentiation by hypertension, Harnish PP; Hagberg DJ, *Invest Radiol* 1988; 23: 463
- contrast media-induced ventricular fibrillation: a comparison of Hypaque-76, Hexabrix, and Omnipaque, Piao ZE; Murdock DK; Hwang MH; et al, *Invest Radiol* 1988; 23: 466
- contrast media induced ventricular fibrillation during coronary angiography in dogs, Hayakawa K; Yamashita K; Ishii Y, *Acta Radiol* 1988; 29: 371
- contrast medium—induced adverse reactions: economic outcome, Powe NR; Steinberg EP; Erickson JE; Moore RD; Smith CR; White RI Jr; Brinker JA; Fishman EK; Zinreich SJ; Kinnison ML; Anderson GF, *Radiology* 1988; 169: 163
- current problems of contrast materials, Siegle RL, *Invest Radiol* 1986; 21: 779
- cutaneous reaction to contrast material, Wood BP; Lane AT; Rabinowitz R, *Radiology* 1988; 169: 739
- decrease of plasma prekallikrein and kallikrein inhibitors during intravenous phlebography, Aronson HJ; Torstila I; Vahtera E; et al, *Eur J Radiol* 1988; 8: 30
- delayed reactions to urographic contrast media, Panto PN; Davies P, *Br J Radiol* 1986; 59: 41
- double blind evaluation of the effects of various contrast media on extremity veins in the dog, Laerum F; Dehner LP; Rysavy J; et al, *Acta Radiol* 1987; 28: 107
- effect of intrathecal iohexol on visual evoked response latency: comparison including incidence of headache with iopamidol and metrizamide in myelographic radiography, Broadbridge AT; Bayliss SC; Grayshaw CL, *Clin Radiol* 1987; 38: 71
- effect of sodium on the fibrillatory propensity of nonionic contrast media, Piao ZE; Murdock DK; Hwang MH; et al, *Invest Radiol* 1987; 22: 895
- experimental investigations of the Hexabrix-papaverine interaction, McGill JE; Rysavy JA; Frick MP, *Radiology* 1988; 166: 577
- fatal acute vasculitis after high-dose urography with iohexol, Goodfellow T; Holdstock GE; Brunton FJ; et al, *Br J Radiol* 1986; 59: 620
- fatal brain edema after contrast-agent overdose, Junck L; Marshall WH, *AJNR* 1986; 7: 522
- formation of potential antigens from radiographic contrast media, Nilsson R; Ehrenberg L; Fedorcsak I, *Acta Radiol* 1987; 28: 473
- Gastrografin aspiration in a 3³/₄-year-old girl, Friedman BI; Hartenberg MA; Mulroy JJ; et al, *Pediatr Radiol* 1986; 16: 506
- hypotensive shock associated with bradycardia after intravenous injection of contrast medium, Poulsen J; Rasmussen F; Georgsen J, *Radiology* 1987; 164: 275
- hypotensive shock associated with bradycardia after intravenous injection of contrast medium, Katzberg RW; Morris TW, *Radiology* 1987; 165: 877
- idiosyncratic reaction to intracoronary injection of non-ionic contrast media, Bishop N; Rees MR, *Clin Radiol* 1988; 39: 396
- incidence of fibrillation with dilute contrast media for intra-arterial coronary digital subtraction angiography, Morris TW; Ventura J, *Invest Radiol* 1986; 21: 416
- incompatibilities between contrast media and pharmacologic agents, Fischer HW, *Radiology* 1987; 162: 875
- incompatibility of Hexabrix and papaverine in peripheral arteriography, Shah SJ; Gerlock AJ Jr, *Radiology* 1987; 162: 619
- intravascular contrast media: adverse reactions, Cohan RH; Dunnick NR, *AJR* 1987; 149: 665
- intravenous injection of ioxilan, iohexol and diatrizoate: effects on urine profiles in the rat, Thomsen HS; Dorph S; Mygind T; et al, *Acta Radiol* 1988; 29: 131
- iopamidol 300—induced epilepsy: intensive treatment and pathogenic hypothesis, Carchietti E; Baldassarre M; Fenco T; et al, *Neuroradiol* 1988; 30: 256
- life-threatening hypotensive reactions to contrast media administration: comparison of pharmacologic and fluid therapy, vanSonnenberg E; Neff CC; Pfister RC, *Radiology* 1987; 162: 15
- low-osmolality contrast media: good news or bad?, Evens RG, *Radiology* 1988; 169: 277
- myelography with iohexol (Omnipaque): a clinical report with special reference to the adverse effects, Skälpe IO; Nakstad P, *Neuroradiol* 1988; 30: 169
- nonfatal venous air embolism after contrast-enhanced CT, Woodring JH; Fried AM, *Radiology* 1988; 167: 405
- nucleolysis and diskography—an experimental study on interaction of chymopapain and contrast medium, Bien S; Schumacher M; Detmar M, *Neuroradiol* 1987; 29: 483
- osmolality and ionicity: confusion in terminology applied to contrast media, De Bono GG, *Radiology* 1988; 168: 281
- osmolality and ionicity: confusion in terminology applied to contrast media: reply, Sovak M; Robertson HJF, *Radiology* 1988; 168: 281
- pain in peripheral arteriography: an assessment of conventional versus ionic and non-ionic low-osmolality contrast agents, Murphy C; Campbell DR; Fraser DB, *J Canad Assoc Radiol* 1988; 39: 103
- pancreatic mumps: transient reaction to IV contrast media (case report), St. Amour TE; McClennan BL; Glazer HS, *AJR* 1986; 147: 188
- pharmacologic treatment of contrast media reactions, Adelman RB; Roach AC, *Radiology* 1987; 165: 876
- pharmacologic treatment of contrast media reactions: reply, Neff CC; Pfister RC, *Radiology* 1987; 165: 876
- prekallikrein activation, C1 esterase inhibitor, and factor XII as predictors of adverse reaction to contrast media: prospective study, Hagan JJ; Yost FJ; Nickoloff EL, *Invest Radiol* 1987; 22: 490
- pretreatment with corticosteroids to alleviate reactions to intravenous contrast material, (ab), Lasser EC; Berry CC; Talner LB; et al, *Radiology* 1988; 167: 592
- pretreatment with corticosteroids to prevent reactions to IV contrast material: overview and implications, Lasser EC, *AJR* 1988; 150: 257
- R.A.C.R. survey of intravenous contrast media reactions. a preliminary report, Palmer FJ, *Australas Radiol* 1988; 32: 8
- radiologist's role in treating reactions to contrast media, Gold RP, *Radiology* 1988; 169: 875
- radiologist's role in treating reactions to contrast media: reply, vanSonnenberg E; Neff CC; Pfister RC, *Radiology* 1988; 169: 876
- reactions to radiographic contrast media: attempt to detect specific anti-contrast medium antibodies in the sera of reactor patients, Walker AC; Carr DH, *Br J Radiol* 1986; 59: 531
- recommended precautions when using low-osmolality or nonionic contrast agents with vasodilators, Zagoria RJ; D'Souza VJ; Baker AL, *Invest Radiol* 1987; 22: 513
- renal carcinoma after retrograde pyelography with Thorotrast, Kauzlaric D; Barmer E; Lucietti P; et al, *AJR* 1987; 148: 897
- renal thorium deposition associated with transitional cell carcinoma: radiologic demonstration in two patients, Oyen RH; Gielen JL; Van Poppel HP; Verbeeken EK; Van Damme BJ; Baert LV; Baert AL, *Radiology* 1988; 169: 705
- risk of seizures after myelography: comparison of iohexol and metrizamide, Maly P; Bach-Gansmo T; Elmqvist D, *AJNR* 1988; 9: 879
- seizure after intrathecal administration of iopamidol, Lipman JC; Wang A-M; Brooks ML; et al, *AJNR* 1988; 9: 787
- side effects after diagnostic lumbar puncture and lumbar iohexol myelography, Sand T; Stovner LJ; Dale L; et al, *Neuroradiol* 1987; 29: 385
- Thorotrast-associated mucocutaneous carcinoma of the liver, Lambrianides AL; Askew AR; Lefevre I, *Br J Radiol* 1986; 59: 791
- Thorotrast-induced hepatosplenic neoplasia: CT identification, Levy DW; Rindsberg S; Friedman AC; et al, *AJR* 1986; 146: 997
- treatment of reactions to radiographic contrast material, Cohan RH; Dunnick NR; Bashore TM, *AJR* 1988; 151: 263
- venous air embolism on contrast-enhanced CT: chimera or Trojan horse? Bettmann MA, *Radiology* 1988; 167: 571
- venous air embolization as a complication of pressure injection of contrast media: CT findings, Price DB; Nardi P; Teitcheir J, *JCAT* 1987; 11: 294
- ventricular fibrillation during right coronary arteriography with ioxaglate, iohexol and iopamidol in dogs, Morris TW, *Invest Radiol* 1988; 23: 205

Contrast media, effects

- abnormal nephrogram pattern as an adverse reaction to contrast material: case report, van Weelde BJG; Bakkers JTN, *Eur J Radiol* 1987; 7: 70
- acute systemic and renal hemodynamic effects of meglumine/sodium diatrizoate 76% and iopamidol in euvoletic and dehydrated dogs, Katzberg RW; Morris TW; Lasser EC; et al, *Invest Radiol* 1986; 21: 793
- angiographic ablation of parathyroid adenomas: lessons from a 10 year experience, Miller DL; Doppman JL; Chang R; Simmons JT; O'Leary TJ; Norton JA; Spiegel AM; Marx SJ; Aurbach GD, *Radiology* 1987; 165: 601
- blood cell aggregates with low-osmolality and nonionic contrast media, Fischer HW; Morris TW, *Radiology* 1987; 165: 583
- blood gas pH and pulmonary response to the inhalation of low osmolar contrast media iopamidol and ioxaglate, Isdale JM; Leibowitz B; Austin JC; et al, *Invest Radiol* 1987; 22: 908
- brain distribution of MRI contrast media in rats after intracisternal injection, Allard M; Kien P; Caille JM; et al, *J Neuroradiol* 1987; 14: 383
- comparison of blood-brain barrier disruption by intracarotid iohexol and iodoxanol in the rabbit, Wilcox J; Wilson AJ; Evill CA; et al, *AJNR* 1987; 8: 769
- comparison of patient responses to high- and low-osmolality contrast agents injected intravenously, Bagg MNJ; Horwitz TA; Bester L, *AJR* 1986; 147: 185
- computed tomography, magnetic resonance imaging, and pathologic observations of the effects of intrathecal metrizamide and iohexol on the canine central nervous system, Wood AKW; Kundel HL; McGrath JT; et al, *Invest Radiol* 1987; 22: 672
- contrast, coagulation, and fibrinolysis, Dawson P; Hewitt P; Mackie IJ; et al, *Invest Radiol* 1986; 21: 248
- contrast media and renal function in the immature kidney, Newman B; Caldicott WJH; Michelow P, *Invest Radiol* 1987; 22: 608
- contrast media for angiography: effect on renal function, Cruz C; Hricak H; Samhoury F; Smith RF; Eyer WR; Levin NW, *Radiology* 1986; 158: 109

- contrast media-induced chromosomal damage in human lymphocyte cultures, Parvez Z; Korman M; Moncada R; et al, *Invest Radiol* 1986; 21: 864
- contrast media tonicity: part I. effects upon IV-DSA time-concentration curve peak and width: experimental studies, Burbank FH; Thompson WM, *Invest Radiol* 1986; 21: 240
- cranial tissues: normal MR appearance after intravenous injection of Gd-DTPA, Kilgore DP; Breger RK; Daniels DL; Pojuna KW; Williams AL; Haughton VM, *Radiology* 1986; 160: 757
- current problems of contrast materials, Siegle RL, *Invest Radiol* 1986; 21: 779
- cytogenetic interactions of contrast media and antineoplastic drugs, Parvez Z; Moncada R; Gragasin M, *Invest Radiol* 1988; 23: 389
- double-blind study of a new nonionic contrast agent for cardiac angiography, Reagan K; Bettman MA; Finkelstein J; Ganz P; Grassi CJ, *Radiology* 1988; 167: 409
- effect of ionic and non-ionic contrast media on aggregation of red blood cells in vitro: preliminary report, Raininko R; Ylinen S-L, *Acta Radiol* 1987; 28: 87
- effect of multiple intravenous injections of diatrizoate on iodine concentrations and osmolality: experimental study in rabbits, Rubin DI; Kido DK; Morris TW; et al, *Invest Radiol* 1987; 22: 223
- effect of various contrast media on coagulation, fibrinolysis, and platelet function: in vitro and in vivo study, Stormorken H; Skalte IO; Testart MC, *Invest Radiol* 1986; 21: 348
- effects of contrast media on cultured myocardial cells, Davis WL; Nelson JA; Barry WH, *Invest Radiol* 1986; 21: 626
- effects of contrast media on renal function and subcellular morphology in the dog, Katzberg RW; Pabico RC; Morris TW; et al, *Invest Radiol* 1986; 21: 64
- excretion of iohexol and metrizoate in human breast milk, Nielsen ST; Matheson I; Rasmussen JN; et al, *Acta Radiol* 1987; 28: 523
- ferrite particles for bowel contrast in MR imaging: design issues and feasibility studies, Hahn PF; Stark DD; Saini S; Lewis JM; Wittenberg J; Ferrucci JT Jr, *Radiology* 1987; 164: 37
- ferrite particles: superparamagnetic MR contrast agent for the reticuloendothelial system, Saini S; Stark DD; Hahn PF; Wittenberg J; Brady TJ; Ferrucci JT Jr, *Radiology* 1987; 162: 211
- ferrite particles: superparamagnetic MR contrast agent for enhanced detection of liver carcinoma, Saini S; Stark DD; Hahn PF; Bousquet J-C; Intracasso J; Wittenberg J; Brady TJ; Ferrucci JT Jr, *Radiology* 1987; 162: 217
- hemodynamic effects of the administration of ionic and nonionic contrast materials into the pulmonary arteries of a canine model of acute pulmonary hypertension, Rees CR; Palmaz JC; Garcia O; et al, *Invest Radiol* 1988; 23: 184
- high-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent, Spataro RF; Katzberg RW; Fischer HW; McMannis MJ, *Radiology* 1987; 162: 9
- high-dose iohexol myelography, Simon JH; Ekholm SE; Kido DK; Utz R; Erickson J, *Radiology* 1987; 163: 455
- immediate effects of graded ionic and nonionic contrast injections on coronary blood flow and myocardial function: implications for digital coronary angiography, Friedman HZ; DeBoe SF; McGillem MJ; et al, *Invest Radiol* 1987; 22: 722
- iotrol versus metrizamide in lumbar myelography: double-blind study, Malnor MD; Houston LW; Strother CM; Turski PA; Sackett JF; Boyer M, *Radiology* 1986; 158: 845
- life-threatening hypotensive reactions to contrast media administration: comparison of pharmacologic and fluid therapy, vanSonnenberg E; Neff CC; Pfister RC, *Radiology* 1987; 162: 15
- mechanisms of action of contrast media on cranial vessels: comparison of diatrizoate, ioxaglate, iohexol, mannitol, and NaCl on rabbit basilar and ear arteries, Jansen I; Golman K; Edvinsson L, *Invest Radiol* 1987; 22: 814
- nonionic versus ionic contrast media in intravenous urography: clinical trial in 1,000 consecutive patients, Jacobson BF; Jorulf H; Kalantar MS; Narasimham DL, *Radiology* 1988; 167: 601
- occlusive and reperfused myocardial infarcts: effect of Gd-DTPA on ECG-gated MR imaging, Tacholakkoff D; Higgins CB; Sechtem U; McNamara MT, *Radiology* 1986; 160: 515
- opioid involvement in contrast media-induced blood pressure changes, Harnish PP; Mukherji M; Northington FK; et al, *Invest Radiol* 1987; 22: 905
- pharmacologic treatment of contrast media reactions, Addlestone RB; Roach AC, *Radiology* 1987; 165: 876
- pharmacologic treatment of contrast media reactions: reply, Neff CC; Pfister RC, *Radiology* 1987; 165: 876
- physiologic effects of contrast media in the rabbit, Harnish P; Mukherji M; Kido DK, *Invest Radiol* 1987; 22: 901
- plasma leukotriene C₄ and reactions to contrast media, Bester L; Vellet D; Chetty N; et al, *Br J Radiol* 1988; 61: 282
- pulmonary angiography with iopamidol: patient comfort, image quality, and hemodynamics, Saeed M; Braun SD; Cohan RH; Sussman SK; Illescas FF; Perlmutt LM; Newman GE; Dunnick NR, *Radiology* 1987; 165: 345
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate, Smith DC; Lois JF; Gomes AS; Maloney MD; Yahiku PY, *Radiology* 1987; 162: 617
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate, Seyferth W; Zeitler E, *Radiology* 1987; 164: 875
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate: reply, Smith DC; Maloney MD, *Radiology* 1987; 164: 875
- radiologist's role in treating reactions to contrast media, Gold RP, *Radiology* 1988; 169: 875
- radiologist's role in treating reactions to contrast media: reply, vanSonnenberg E; Neff CC; Pfister RC, *Radiology* 1988; 169: 876
- reactions to radiographic contrast media: attempt to detect specific anti-contrast medium antibodies in the sera of reactor patients, Walker AC; Carr DH, *Br J Radiol* 1986; 59: 531
- Renografin-60 for urography: effect on serum electrolytes and proteins in adults, Olutola PS; Hutton L; Karlík S; et al, *AJR* 1986; 147: 839
- short-term effects of radiographic contrast media on monolayer cell cultures and hepatocytes, Nordby A; Halgunset J; Thorstensen K; et al, *Invest Radiol* 1987; 22: 603
- transient oxygen desaturation following radiographic contrast medium administration, (ab), Neagley SR; Vought MB; Weidner WA; et al, *Radiology* 1986; 161: 576
- uptake and dissolution of particulate iopamidol ethyl ester in the spleen: a morphologic study, Lauteala L; Korman M; Violante MR, *Invest Radiol* 1987; 22: 829
- Contrast media, fatty acid**
- biodistribution and in vivo kinetics of iodine-131 lipiodol infused via the hepatic artery of patients with hepatic cancer, Nakajo M; Kobayashi H; Shimabukuro K; et al, *J Nucl Med* 1988; 29: 1066
- computed tomography detection of small daughter nodules in hepatocellular carcinoma after iodized oil infusion into the hepatic artery, Ohishi H; Uchida H; Ohue S; et al, *CT* 1988; 12: 129
- dosimetry of iodine-131 Ethiodol in the treatment of hepatoma, Madsen MT; Park CH; Thakur ML, *J Nucl Med* 1988; 29: 1038
- ethiodized oil emulsion enhanced computerized tomography in the preoperative assessment of metastases to the liver from the colon and rectum, (ab), Reed WP; Haney PJ; Elias EG; et al, *Radiology* 1986; 160: 572
- evaluation of intrahepatic I-131 Ethiodol on a patient with hepatocellular carcinoma: therapeutic feasibility study, Park CH; Suh JH; Yoo HS; et al, *Clin Nucl Med* 1986; 11: 514
- image enhancement in computerized tomography for sensitive diagnosis of liver cancer and semiquantitation of tumor selective drug targeting with oily contrast medium, (ab), Maki S; Konno T; Maeda H, *Radiology* 1986; 158: 566
- intra-arterial injection of adriamycin/mitomycin C Lipiodol suspension in liver metastases, Kobayashi H; Inoue H; Shimada J; et al, *Acta Radiol* 1987; 28: 275
- iodine-131-labeled Lipiodol retention within hepatic cavernous hemangioma, Park CH; Suh JH; Yoo HS; Lee JT; Kim DI; Lee KS, *Radiology* 1987; 163: 283
- iodized oil in the portal vein after arterial embolization, Nakamura H; Hashimoto T; Oi H; Sawada S, *Radiology* 1988; 167: 415
- metastatic nodules of hepatocellular carcinoma: detection with angiography, CT, and US, Hayashi N; Yamamoto K; Tamaki N; Shibata T; Itoh K; Fujiwara I; Nakano Y; Yamaoka Y; Kobayashi N; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 165: 61
- pitfall in MR imaging of lymphadenopathy after lymphangiography, Buckwalter KA; Ellis JH; Baker DE; Borello JA; Glazer GM, *Radiology* 1986; 161: 831
- therapeutic value of hysterosalpingography with Lipiodol ultra fluid, Rasmussen F; Justesen P; Nielsen DT, *Acta Radiol* 1987; 28: 319
- transcatheter renal arterial embolization with the mixture of ethanol and iodized oil (Lipiodol®), Park JH; Jeon SC; Kang HS; et al, *Invest Radiol* 1986; 21: 577
- Contrast media, magnetic resonance (MR)**
- See Magnetic resonance (MR), contrast media
- Contrast media, toxicity**
- addition of local anesthetics to contrast media: II. increase of acute mortality in mice with intravenous contrast administration, Nilsson P; Almén T; Golman K; et al, *Acta Radiol* 1988; 29: 247
- comparative neurotoxicity of angiographic contrast media, (ab), Velaj R; Drayer BP; Albright R; et al, *Radiology* 1986; 160: 286
- contrast agent nephrotoxicity: comparison of ionic and nonionic contrast agents, Stacul F; Carraro M; Magnaldi S; et al, *AJR* 1987; 149: 1287
- cytostatic effects of radiographic contrast media in synchronized cell cultures, Nordby A; Halgunset J; Haugen OA, *Invest Radiol* 1987; 22: 678
- cytotoxic effects of six angiographic contrast media on human endothelium in culture, Laerum F, *Acta Radiol* 1987; 28: 99
- diatrizoate levels in cerebrospinal fluid following intravenous administration: role of fluid production rate, Harnish PP; Northington FK; Samuel KA, *Invest Radiol* 1988; 23: 377
- effect on the blood-brain barrier of intracarotid contrast media—iopamidol and diatrizoate, Hayakawa K; Nakamura R; Ishii Y, *Eur J Radiol* 1988; 8: 47
- effects of intravascular contrast media on blood-brain barrier: comparison between iohalamate, iohexol, iopentol and iodoxanol, Michelet AA, *Acta Radiol* 1987; 28: 329
- effects of radiographic contrast media on monolayer cell cultures, Nordby A; Halgunset J; Haugen OA, *Invest Radiol* 1986; 21: 234
- haemorrhagic necrosis of the grey matter of the spinal cord due to accidental injection of iopamidol in a patient with multiple neurofibromas: a clinico-pathological study, Roos RAC; Voormolen JHC; Vielvoe GJ; et al, *Neuroradiol* 1988; 30: 178
- hypotensive shock associated with bradycardia after intravenous injection of contrast medium, Poulsen J; Rasmussen F; Georgsen J, *Radiology* 1987; 164: 275
- hypotensive shock associated with bradycardia after intravenous injection of contrast medium, Katzberg RW; Morris TW, *Radiology* 1987; 165: 877
- intravascular contrast media: effect of dose on renal function, Miller DL; Chang R; Wells WT; Dowjat BA; Malinosky RM; Doppman JL, *Radiology* 1988; 167: 607

Contrast media, toxicity

- local blood-brain barrier penetration following systemic contrast medium administration: a case report and an experimental study, Utz R; Ekholm SE; Isaac L; et al, *Acta Radiol* 1988; 29: 237
- plasma leukotriene C₄ and reactions to contrast media, Bester L; Vellet D; Chetty N; et al, *Br J Radiol* 1988; 61: 282
- Thorotrast-associated mucopidermoid carcinoma of the liver, Lambrianides AL; Askew AR; Lefevre I, *Br J Radiol* 1986; 59: 791
- Thorotrast-induced hepatosplenic neoplasia: CT identification, Levy DW; Rindberg S; Friedman AC; et al, *AJR* 1986; 146: 997
- tissue reaction following endobronchial application of iopamidol and ioxithalamate in rats, Aufermann W; Geisel T; Wohltmann D; et al, *Eur J Radiol* 1988; 8: 13
- Coronary angiography**
- See also Angiocardiology
- comparison of 35 mm cine film and digital radiographic image recording: implications for quantitative coronary arteriography: film vs. digital coronary quantification, LeFree MT; Simon SB; Mancini J; et al, *Invest Radiol* 1988; 23: 176
- complex and simple coronary artery stenoses: a new way to interpret coronary angiograms based on morphologic features of lesions, Levin DC; Gardiner GA Jr, *Radiology* 1987; 164: 675
- detection of multivessel disease after myocardial infarction using intravenous stress digital subtraction angiography, Bellamy GR; Yiannikas J; Detrano R; Simpfendorfer C; Salcedo EE, *Radiology* 1986; 161: 685
- exercise thallium stress testing compared with coronary angiography in patients without exclusions for suboptimal exercise or radioactive medications, Vincent NR; Denis L, *Clin Nucl Med* 1986; 11: 688
- how to interpret coronary arteriograms, Kubicka RA; Smith C, *Radiographics* 1986; 6: 661
- left coronary arterial blood flow: noninvasive detection by Doppler US, Gramiak R; Hoken J; Moss AJ; Gutierrez OH; Picone AL; Roe SA, *Radiology* 1986; 159: 657
- prognostic implications of angiographically normal and insignificantly narrowed coronary arteries, (ab), Papanicolaou MN; Califf RM; Hlatky MA; et al, *Radiology* 1987; 164: 293
- quantitative coronary arteriography: design and validation, Rafit OM; Mankovich NJ, *Radiology* 1988; 167: 743
- quantitative digital subtraction coronary angiography using videodensitometry: an in vivo analysis, Simons MA; Musket AD; Kruger RA; et al, *Invest Radiol* 1988; 23: 98
- Coronary angiography, complications**
- contrast media induced ventricular fibrillation during coronary angiography in dogs, Hayakawa K; Yamashita K; Ishii Y, *Acta Radiol* 1988; 29: 371
- incidence of ventricular fibrillation during coronary arteriography in the rabbit: comparative study of isotonic ioxaglate and iohexol, Donadieu AM; Hartl C; Cardinal A; et al, *Invest Radiol* 1987; 22: 106
- ventricular fibrillation during right coronary arteriography with ioxaglate, iohexol and iopamidol in dogs, Morris TW, *Invest Radiol* 1988; 23: 205
- Coronary angiography, contrast media**
- double-blind study of a new nonionic contrast agent for cardiac angiography, Reagan K; Bettman MA; Finkelstein J; Ganz P; Grassi CJ, *Radiology* 1988; 167: 409
- reducing the cost of using contrast media: a look at discarded volumes, Kinnison ML; Steinberg EP; Powe NR; Anderson GF, *Radiology* 1988; 166: 367
- Coronary angiography, technology**
- diagnostic accuracy of coronary angiography utilizing computer-based digital subtraction methods: comparison to conventional cineangiography, (ab), Goldberg HL; Moses JW; Fisher J; et al, *Radiology* 1987; 163: 836

- selective coronary angiography using a power injector, Gardiner GA Jr; Meyerovitz MF; Bost LM; et al, *AJR* 1986; 146: 831
- use of digital video coronary arteriography in the performance of percutaneous transluminal coronary angioplasty, Bost LM; Meyerovitz MF; Taus RH; et al, *Cardiovasc Intervent Radiol* 1987; 10: 55
- Coronary vessels**
- intracoronary administration of streptokinase in a canine model: disturbances in thromboxane A₂-prostaglandin balance, Becker GJ; Kreipke DL; Holden RW; et al, *Invest Radiol* 1986; 21: 206
- isolated fibromuscular dysplasia of the coronary arteries with spontaneous dissection and myocardial infarction, (ab), Lie JT; Berg KK, *Radiology* 1988; 166: 294
- renin-angiotensin system is not responsible for hypertension following coronary artery bypass grafting, (ab), Weinstein GS; Zabetakis PM; Clavel A; et al, *Radiology* 1987; 164: 885
- Coronary vessels, anomalies**
- coronary artery anomalies in tetralogy of Fallot, Shrivastava S; Mohan JC; Mukhopadhyay S; et al, *Cardiovasc Intervent Radiol* 1987; 10: 215
- major anomalies of coronary arterial origin seen in adulthood, (ab), Roberts WC, *Radiology* 1987; 163: 291
- pre- and postoperative Doppler echocardiographic evaluation of anomalous left coronary artery arising from the pulmonary artery, Fyfe DA; Sade RM; Gillette PC; et al, *J Ultrasound Med* 1987; 6: 101
- unusual origin and course of the first septal branch of the left coronary artery: angiographic recognition, Verna E; Santarone M; Boscarini M; et al, *Cardiovasc Intervent Radiol* 1988; 11: 146
- use and diagnostic significance of thallium-201 SPECT imaging in a case of anomalous left coronary artery, Petrozzo PJ; Woodard ML; Vitullo DA; et al, *Clin Nucl Med* 1988; 13: 629
- Coronary vessels, calcification**
- plain chest radiograph with computed radiography: improved sensitivity for the detection of coronary artery calcification, Sakuma H; Takeda K; Hirano T; et al, *AJR* 1988; 151: 27
- Coronary vessels, diseases**
- aortic distensibility abnormalities in coronary artery disease, (ab), Stephanadis C; Bush CA; Kalibash AJ; et al, *Radiology* 1988; 166: 588
- cardiac cinefluoroscopy as an inexpensive aid in the diagnosis of coronary artery disease, (ab), Detrano R; Salcedo EE; Hobbs RE; et al, *Radiology* 1986; 161: 860
- comparison of the incidence of cardiac arrhythmias produced by two intravenous contrast media in coronary artery disease, Foster CJ; Griffin JF, *Clin Radiol* 1987; 38: 399
- complex and simple coronary artery stenoses: a new way to interpret coronary angiograms based on morphologic features of lesions, Levin DC; Gardiner GA Jr, *Radiology* 1987; 164: 675
- coronary artery aneurysms due to Kawasaki disease: diagnosis with ultrafast CT, Frey EE; Matherne GP; Mahoney LT; Sato Y; Stanford W; Smith WL, *Radiology* 1988; 167: 725
- correlates of lung/heart ratio of thallium-201 in coronary artery disease, Homma S; Kaul S; Boucher CA, *J Nucl Med* 1987; 28: 1531
- detection of coronary artery disease by analysis of ventricular filling, Miller TR; Fountas A; Biello DR; et al, *J Nucl Med* 1987; 28: 837
- effect of exercise position during stress testing on cardiac and pulmonary thallium kinetics and accuracy in evaluating coronary artery disease, Lear JL, *J Nucl Med* 1986; 27: 788
- frequency in size of coronary arterial aneurysm at necropsy in Kawasaki disease, (ab), Fujiwara T; Fujiwara H; Hamashima Y, *Radiology* 1987; 165: 884
- hospital and long-term survival of patients with acute pulmonary edema associated with coronary artery disease, (ab), Weiner RS; Moses HW; Richeson JF; et al, *Radiology* 1988; 166: 912

- influence of peak exercise heart rate on normal thallium-201 myocardial clearance, Kaul S; Chesler DA; Pohost GM; et al, *J Nucl Med* 1986; 27: 26
- long-term effects of cigarette smoking and moderate alcohol consumption on coronary artery diameter: mechanisms of coronary artery disease independent of atherosclerosis or thrombosis?, (ab), Fried LP; Moore RD; Pearson TA, *Radiology* 1986; 160: 286
- pharmacologic intervention as an alternative to exercise stress, Gould KL, *Semin Nucl Med* 1987; 17: 121
- quantitative analysis of stress thallium-201 myocardial scintigrams: multicenter trial, Van Train KF; Berman DS; Garcia EV; et al, *J Nucl Med* 1986; 27: 17
- role of exercise thallium-201 imaging in decision making, (ab), Iskandrian AS; Hakki A-H; Segal BL; et al, *Radiology* 1986; 161: 575
- specification of regional wall motion abnormalities by phase analysis of radionuclide angiograms in coronary artery disease and non-coronary artery disease patients, Henze E; Tymiec A; Delagardelle C; et al, *J Nucl Med* 1986; 27: 781
- thallium-201 myocardial imaging during coronary vasodilation induced by oral dipyridamole, Gould KL; Sorenson SG; Albro P; et al, *J Nucl Med* 1986; 27: 31
- thallium-201 SPECT in coronary artery disease patients with left bundle branch block, DePuey EG; Guertler-Krawczynska E; Robbins WL, *J Nucl Med* 1988; 29: 1479
- use of radionuclide measurements of left ventricular function for prognosis in patients with coronary artery disease, Jones RH, *Semin Nucl Med* 1987; 17: 95
- Coronary vessels, dissection**
- spontaneous coronary artery dissection, (ab), Thayer JO; Healy KW; Magga PR, *Radiology* 1988; 166: 588
- Coronary vessels, flow dynamics**
- changes in coronary blood flow and myocardial metabolism during aortic balloon valvuloplasty, (ab), Rousseau MF; Wynn W; Hammer F; et al, *Radiology* 1988; 169: 884
- Doppler echocardiographic approach to the blood flow of the left anterior descending coronary artery, Miyatake K; Yamagishi M; Izumi S; et al, *JCU* 1988; 16: 471
- immediate effects of graded ionic and nonionic contrast injections on coronary blood flow and myocardial function: implications for digital coronary angiography, Friedman HZ; DeBoe SF; McGillem MJ; et al, *Invest Radiol* 1987; 22: 722
- simultaneous monitoring of coronary blood flow and ³¹P NMR detected myocardial metabolites, Portman MA; James S; Heineman FW; et al, *Magn Res Med* 1988; 7: 243
- Coronary vessels, MR studies**
- coronary artery bypass graft patency: noninvasive evaluation with MR imaging, White RD; Caputo GR; Mark AS; Modin GW; Higgins CB, *Radiology* 1987; 164: 681
- coronary artery bypass grafts: evaluation of patency with cine MR imaging, White RD; Pflugfelder PW; Lipton MJ; et al, *AJR* 1988; 150: 1271
- coronary artery bypass grafts: visualization with MR imaging, Gomes AS; Lois JF; Drinkwater DC Jr; Corday SR, *Radiology* 1987; 162: 175
- detection of coronary artery bypass graft patency as assessed by magnetic resonance imaging, Jenkins JPR; Love HG; Foster CJ; et al, *Br J Radiol* 1988; 61: 2
- high-resolution ¹H NMR spectral signature from human atheroma, Pearlman JD; Zajicek J; Merickel MB; et al, *Magn Res Med* 1988; 7: 262
- MR angiography of peripheral, carotid, and coronary arteries, Alfidi RJ; Masaryk TJ; Haacke EM; et al, *AJR* 1987; 149: 1097
- MR imaging of the aortic root and proximal coronary arteries, Paulin S; von Schulthess GK; Fossel E; et al, *AJR* 1987; 148: 665
- simultaneous monitoring of coronary blood flow and ³¹P NMR detected myocardial metabolites, Portman MA; James S; Heineman FW; et al, *Magn Res Med* 1988; 7: 243

Coronary vessels, obstruction

See Coronary vessels, stenosis or obstruction

Coronary vessels, radionuclide studies

evaluation of diseased coronary arterial branches by polar representations of thallium-201 rotational myocardial imaging, Iino T; Toyosaki N; Katsuki T; et al, *Clin Nucl Med* 1987; 12: 688

thallium-201 SPECT in coronary artery disease patients with left bundle branch block, DePuey EG; Guertler-Krawczynska E; Robbins WL, *J Nucl Med* 1988; 29: 1479

use and diagnostic significance of thallium-201 SPECT imaging in a case of anomalous left coronary artery, Petrozzo PJ; Woodard ML; Vitullo DA; et al, *Clin Nucl Med* 1988; 13: 629

value of tomographic thallium-201 imaging in patients with chest pain following coronary artery bypass grafting, Starling MR; Walsh KA; Dehmer GJ; et al, *Clin Nucl Med* 1987; 12: 134

Coronary vessels, spasm

comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation, (ab), Shanes JG; Pavel D; Blend M; et al, *Radiology* 1987; 165: 885

coronary artery spasm: current concepts, Perlmutter LM; Levin DC; Barry W, *Invest Radiol* 1986; 21: 663

Coronary vessels, stenosis or obstruction

acute occlusion developing during or immediately after percutaneous transluminal coronary angioplasty: nonsurgical treatment, Meyerovitz MF; Friedman FL; Ganz P; Selwyn AP; Levin DC, *Radiology* 1988; 169: 491

assessment of residual coronary arterial stenosis after thrombolytic therapy during acute myocardial infarction, (ab), Sattler LF; Pallas RS; Bond OB; et al, *Radiology* 1988; 166: 589

comparison of observer and videodensitometric measurements of simulated coronary artery stenoses, Simons MA; Bastian BV; Bray BE; et al, *Invest Radiol* 1987; 22: 562

complex and simple coronary artery stenoses: a new way to interpret coronary angiograms based on morphologic features of lesions, Levin DC; Gardiner GA Jr, *Radiology* 1987; 164: 675

coronary angioplasty: comparison of direct measurement and subjective assessment of angiographic narrowing, Silverton NP, *Clin Radiol* 1986; 37: 127

coronary artery bypass graft patency: noninvasive evaluation with MR imaging, White RD; Caputo GR; Mark AS; Modin GW; Higgins CB, *Radiology* 1987; 164: 681

dynamic variations in resistance of coronary arterial narrowings in angina pectoris at rest, (ab), Ganz P; Abben RP; Barry WH, *Radiology* 1987; 164: 884

early and late outcome of percutaneous transluminal angioplasty for subacute and chronic total coronary occlusion, (ab), DiSciascio G; Vetrovec GW; Cowley MJ; et al, *Radiology* 1987; 163: 292

pericatheterization risk factors in left main coronary artery stenosis, (ab), Gordon PR; Abrams C; Gash AK; et al, *Radiology* 1987; 165: 586

pharmacologic intervention as an alternative to exercise stress, Gould KL, *Semin Nucl Med* 1987; 17: 121

prognostic implications of angiographically normal and insignificantly narrowed coronary arteries, (ab), Papanicolaou MN; Cluff RM; Hlatky MA; et al, *Radiology* 1987; 164: 293

prognostic significance of severe narrowing of the proximal portion of the left anterior descending coronary artery, (ab), Klein LW; Weintraub WS; Agarwal JB; et al, *Radiology* 1987; 162: 293

quantitative angiographic morphology of coronary stenoses leading to myocardial infarction or unstable angina, (ab), Wilson RF; Holida MD; White CW, *Radiology* 1986; 160: 287

quantitative coronary arteriography: design and validation, Ratib OM; Mankovich NJ, *Radiology* 1988; 167: 743

restenosis after successful coronary angioplasty in patients with single-vessel disease, (ab), Leimgruber PP; Roubin GS; Hollman J; et al, *Radiology* 1986; 161: 286

role of coronary artery lesions in ischemic heart disease: insights from recent clinicopathologic, coronary arteriographic, and experimental studies, (ab), Buja LM; Willerson JT, *Radiology* 1987; 165: 585

side branch occlusion complicating percutaneous transluminal coronary angioplasty, Box LM; Meyerovitz MF; Taus RH; Ganz P; Friedman PL; Levin DC, *Radiology* 1986; 161: 681

transluminal laser irradiation of coronary arteries in live dogs: angiographic and morphologic study of acute effects, (ab), Crea F; Abela GS; Fenech A; et al, *Radiology* 1986; 161: 286

value of fluoroscopy in the detection of coronary stenosis: influence of age, sex, and number of vessels calcified on diagnostic efficacy, (ab), Uretsky BF; Rifkin RD; Sharma SC; et al, *Radiology* 1988; 169: 883

value of tomographic thallium-201 imaging in patients with chest pain following coronary artery bypass grafting, Starling MR; Walsh KA; Dehmer GJ; et al, *Clin Nucl Med* 1987; 12: 134

Coronary vessels, surgery

aortic dissection following coronary artery bypass surgery: diagnosis by CT, Archer AG; Choyke PL; Zeman RK; et al, *Cardiovasc Intervent Radiol* 1986; 9: 142

CABG: lessons from the randomized trials, (ab), Kaiser GC, *Radiology* 1987; 162: 293

early and late results of coronary endarterectomy: analysis of 3,369 patients, (ab), Livesay JJ; Cooley DA; Hallman CL; et al, *Radiology* 1987; 164: 885

evaluation of coronary bypass graft patency by ultrafast computed tomography, Stanford W; Rooholamini M; Rumberger J; et al, *J Thorac Imag* 1988; 3-2: 52

expanding the use of the internal mammary artery to improve patency in coronary artery bypass grafting, (ab), Tector AJ; Schmahel TM; Canino VR, *Radiology* 1987; 162: 293

multivariate analysis of the long-term results of coronary artery bypass grafting performed during 1976 and 1977, (ab), Rutherford JD; Whitlock RML; McDonald BW; et al, *Radiology* 1987; 162: 293

results of coronary artery endarterectomy and reconstruction, (ab), Brenowitz JB; Kayser KL; Johnson WD, *Radiology* 1988; 169: 884

scintigraphic documentation of hemorrhage from coronary artery bypass graft, Orzel JA; Baisden CE, *Clin Nucl Med* 1986; 11: 760

Coronary vessels, thrombosis

improved survival up to four years after early coronary thrombolysis, (ab), Mathey DG; Schofer J; Sheehan FH; et al, *Radiology* 1988; 169: 293

streptokinase, urokinase, and tissue plasminogen activator: pharmacokinetics, relative advantages, and methods for maximizing rates and consistency of lysis, Maizel AS; Bookstein JJ, *Cardiovasc Intervent Radiol* 1986; 9: 236

Coronary vessels, transluminal angioplasty

acute occlusion developing during or immediately after percutaneous transluminal coronary angioplasty: nonsurgical treatment, Meyerovitz MF; Friedman FL; Ganz P; Selwyn AP; Levin DC, *Radiology* 1988; 169: 491

changes in cross-sectional area of the coronary lumen in the six months after angioplasty: quantitative analysis of the variable response to percutaneous transluminal angioplasty, (ab), Johnson MR; Brayden GP; Erickson EE; et al, *Radiology* 1986; 160: 574

changes in myocardial perfusion reserve after PTCA: noninvasive assessment with positron tomography, Goldstein RA; Kirkeeide RL; Smalling RW; et al, *J Nucl Med* 1987; 28: 1262

coronary angioplasty: comparison of direct measurement and subjective assessment of angiographic narrowing, Silverton NP, *Clin Radiol* 1986; 37: 127

early and late outcome of percutaneous transluminal angioplasty for subacute and chronic total coronary occlusion, (ab), DiSciascio G; Vetrovec GW; Cowley MJ; et al, *Radiology* 1987; 163: 292

echocardiographic evaluation of left ventricular function during coronary artery angioplasty, (ab), Alam M; Khaja F; Brymer J; et al, *Radiology* 1986; 161: 285

increased frequency of restenosis in patients continuing to smoke cigarettes after percutaneous transluminal coronary angioplasty, (ab), Galan KM; Deligonul U; Kern MJ; et al, *Radiology* 1988; 168: 886

infarct vessel status after intravenous tissue plasminogen activator and acute coronary angioplasty: prediction of clinical outcome, (ab), Grines CL; Topol EJ; Bates ER; et al, *Radiology* 1988; 169: 589

left anterior descending coronary artery: right ventricle fistula complicating percutaneous transluminal angioplasty, (ab), Meng RL; Harlan JL, *Radiology* 1988; 168: 575

pathology of transluminal balloon angioplasty used in the treatment of coronary heart disease, (ab), Waller BF, *Radiology* 1987; 165: 585

percutaneous coronary angioplasty: technique, indications, and results, Roubin GS; Gruntzig AR; Casarella WJ, *Cardiovasc Intervent Radiol* 1986; 9: 261

percutaneous transluminal coronary angioplasty in dextrocardia: case report, Mikolich JR; Allouah N, *Cardiovasc Intervent Radiol* 1988; 11: 140

radiation doses and somatic risk to patients during cardiac radiological procedures, Faulkner K; Love HG; Sweeney JK; et al, *Br J Radiol* 1986; 59: 359

restenosis after successful coronary angioplasty in patients with single-vessel disease, (ab), Leimgruber PP; Roubin GS; Hollman J; et al, *Radiology* 1986; 161: 286

results of percutaneous transluminal coronary angioplasty by multiple relatively low frequency operators, (ab), Jacob AS; Pichard AD; Ohnmacht SD; et al, *Radiology* 1986; 160: 860

self-expanding endovascular prosthesis: an experimental study, Rousseau H; Puel J; Joffre F; Sigwart U; Dubouché C; Imbert C; Knight C; Kropf L; Wallsten H, *Radiology* 1987; 164: 709

side branch occlusion complicating percutaneous transluminal coronary angioplasty, Box LM; Meyerovitz MF; Taus RH; Ganz P; Friedman PL; Levin DC, *Radiology* 1986; 161: 681

significance of intimal tears in the mechanisms of luminal enlargement in percutaneous transluminal coronary angioplasty: correlation of histologic and angiographic findings in postmortem human hearts, (ab), Hoshino T; Yoshida H; Takayama S; et al, *Radiology* 1988; 168: 589

sustained efficacy of percutaneous transluminal coronary angioplasty, (ab), Berger E; Williams DO; Reinert S; et al, *Radiology* 1986; 161: 285

thromboxane release during percutaneous transluminal coronary angioplasty, (ab), Peterson MB; Machaj V; Block PC; et al, *Radiology* 1986; 160: 860

transcatheter recanalization of a chronically occluded saphenous aortocoronary bypass graft, Marx M; Armstrong WT; Brent BN; et al, *AJR* 1987; 148: 375

use of digital video coronary arteriography in the performance of percutaneous transluminal coronary angioplasty, Box LM; Meyerovitz MF; Taus RH; et al, *Cardiovasc Intervent Radiol* 1987; 10: 55

value of percutaneous transluminal coronary angioplasty after unsuccessful intravenous streptokinase therapy in acute myocardial infarction, (ab), Fung AY; Lai P; Topol EJ; et al, *Radiology* 1987; 163: 590

variability of quantitative digital subtraction coronary angiography before and after percutaneous transluminal coronary angioplasty, (ab), Sanz ML; Mancini GB; LeFree MT; et al, *Radiology* 1988; 166: 911

Coronary vessels, US studies

aspect radiologique et échographique de la maladie de Kawasaki: expérience de 75 cas à l'Hôpital Sainte-Justine de Montréal, Guerin R; van Doesburg NH; Nicolas E; et al, *J Canad Assoc Radiol* 1986; 37: 229

digital two-dimensional echocardiographic imaging of the proximal left anterior descending coronary artery, (ab), Presti CF; Feigenbaum H; Armstrong WF; et al, *Radiology* 1988; 167: 886

Doppler echocardiographic approach to the blood flow of the left anterior descending coronary artery, Miyatake K; Yamagishi M; Izumi S; et al, *JCU* 1988; 16: 471

echocardiographic features of a giant congenital aneurysm of the right coronary artery, Zhang C-C; Hu L-X; Hsieh SW; et al, *JCU* 1988; 16: 502

pre- and postoperative Doppler echocardiographic evaluation of anomalous left coronary artery arising from the pulmonary artery, Fyfe DA; Sade RM; Gillette PC; et al, *J Ultrasound Med* 1987; 6: 101

Corpus callosum

brain connection: corpus callosum is larger in left-handers, (ab), Witelson SF, *Radiology* 1986; 158: 285

case of the month: did he fall or was he pushed?, Hamilton-Wood C, *Br J Radiol* 1987; 60: 199

MR imaging of pericallosal lipoma, Dean B; Drayer BP; Beresini DC; et al, *AJNR* 1988; 9: 929

normal postnatal development of the corpus callosum as demonstrated by MR imaging, Barkovich AJ; Kjos BO, *AJNR* 1988; 9: 487

quantitative determination of MS-induced corpus callosum atrophy in vivo using MR imaging, Simon JH; Schiffer RB; Rudick RA; et al, *AJNR* 1987; 8: 599

sonographic diagnosis of lipoma of the corpus callosum, Christensen RA; Pinckney LE; Higgins S; et al, *J Ultrasound Med* 1987; 6: 449

Corpus callosum, abnormalities

anomalies of the corpus callosum: correlation with further anomalies of the brain, Barkovich AJ; Norman D, *AJNR* 1988; 9: 493

corpus callosum and limbic system: neuroanatomic MR evaluation of developmental anomalies, Atlas SW; Zimmerman RA; Bilaniuk LT; Rorke L; Hackney DB; Goldberg HI; Grossman RI, *Radiology* 1986; 160: 355

corpus callosum and subcallosal-periventricular lesions in multiple sclerosis: detection with MR, Simon JH; Holte SL; Schiffer RB; Rudick RA; Herndon RM; Kido DK; Utz R, *Radiology* 1986; 160: 363

cortical heterotopia in Aicardi's syndrome—CT findings, Bešenski N; Bošnjak V; Ligić I; et al, *Pediatr Radiol* 1988; 18: 391

disorders of midline structures: holoprosencephaly, absence of corpus callosum, and Chiari malformations, Byrd SE; Osborn ER; Radkowski MA; et al, *Semin US CT MR* 1988; 9: 201

lipoma of the corpus callosum: diagnosis by ultrasound and magnetic resonance, Fisher MR; Cremin BJ, *Pediatr Radiol* 1988; 18: 409

Marchiafava-Bignami disease: case studied by CT and MR imaging, Clavier E; Thiebot J; Delange T; et al, *Neuroradiol* 1986; 28: 376

scanographie et IRM de la maladie de Marchiafava-Bignami (computerized tomography and MRI in Marchiafava-Bignami disease), Bracard S; Claude D; Vespignani H; et al, *J Neuroradiol* 1986; 13: 87

Corpus callosum, agenesis

agenesis of the corpus callosum in the foetus, neonate and infant, Verco PW; LeQuesne GW, *Australas Radiol* 1987; 31: 129

brain malformation associated with neural tube defects: report of three cases of partial agenesis of the corpus callosum and myelomeningocele, Ruggiero R; Mongini T; Colangelo M; et al, *J Neuroradiol* 1987; 14: 287

corpus callosum and limbic system: neuroanatomic MR evaluation of developmental anomalies, Atlas SW; Zimmerman RA; Bilaniuk LT; Rorke L; Hackney DB; Goldberg HI; Grossman RI, *Radiology* 1986; 160: 355

missing pericallosal artery on sonography: sign of agenesis of the corpus callosum in the neonatal brain?, Baarsma R; Martijn A; Okken A, *Neuroradiol* 1987; 29: 47

MR imaging in Aicardi syndrome, Baierl P; Markl A; Thelen M; et al, *AJNR* 1988; 9: 805

MRI of corpus callosal syndromes, Curnes JT; Laster DW; Koubek TD; et al, *AJNR* 1986; 7: 617

neurofibromatosis and agenesis of the corpus callosum in identical twins: MR diagnosis, Atlas SW; Zimmerman RA; Bruce D; et al, *AJNR* 1988; 9: 598

prenatal diagnosis of agenesis of the corpus callosum, Bertino RE; Nyberg DA; Cyr DR; et al, *J Ultrasound Med* 1988; 7: 251

prenatal sonographic diagnosis of agenesis of corpus callosum, Meizner I; Barki Y; Hertzanu Y, *JCU* 1987; 15: 262

Corpus callosum, CT

computed tomography of lipoma of corpus callosum and choroid plexus lipoma: report of two cases, Buxi TRS; Mathur RK; Doda SS, *CT* 1987; 11: 57

computerized tomography and nuclear magnetic resonance imaging in Marchiafava-Bignami disease, Mayer JM; De Liège P; Netter JM; et al, *J Neuroradiol* 1987; 14: 152

MR imaging of the corpus callosum: normal and pathologic findings and correlation with CT, Reinartz SJ; Coffman CE; Smoker WRK; et al, *AJNR* 1988; 9: 649

Corpus callosum, MR studies

computerized tomography and nuclear magnetic resonance imaging in Marchiafava-Bignami disease, Mayer JM; De Liège P; Netter JM; et al, *J Neuroradiol* 1987; 14: 152

MR imaging of the corpus callosum: normal and pathologic findings and correlation with CT, Reinartz SJ; Coffman CE; Smoker WRK; et al, *AJNR* 1988; 9: 649

normal postnatal development of the corpus callosum as demonstrated by MR imaging, Barkovich AJ; Kjos BO, *AJNR* 1988; 9: 487

Corpus cavernosum

assessment of impotence with cavernosography, Friedenberg RM, *Radiology* 1986; 161: 842

cavernosography in conjunction with artificial erection for evaluation of venous leakage in impotent men, Malhotra C; Balko A; Wincze JP; Bansal S; Sussat JG, *Radiology* 1986; 161: 799

dynamic corpus cavernosography: effect of papaverine injection, Puyau FA; Lewis RW; Balkin P; Kaack MB; Hirsch A, *Radiology* 1987; 164: 179

erectile dysfunction caused by venous leakage: treatment with detachable balloons and coils, Courtheoux P; Maiza D; Henriot J-P; Vaislic CD; Evrard C; Theron J, *Radiology* 1986; 161: 807

impotence: evaluation with cavernosography, Delcour C; Wespes E; Vandenberg C; Schulman CC; Struyven J, *Radiology* 1986; 161: 803

MR diagnosis of penile thrombosis, Kimball DA; Yuh WTC; Farmer RM, *JCAT* 1988; 12: 604

Cost effectiveness

abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy, Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P, *Radiology* 1986; 159: 345

ACUPS (adenocarcinoma of unknown primary site): a clinical and cost benefit analysis, Hamilton CS; Langlands AO, *Int J Radiat Oncol Biol Phys* 1987; 13: 1497

assessment of prostatism: role of intravenous urography, Wasserman NF; Lapointe S; Eckmann DR; Rosel PR, *Radiology* 1987; 165: 831

barium enema scout film: cost effectiveness and clinical efficacy, Schwab FJ; Glick SN; Teplick SK; Adler LP, *Radiology* 1986; 160: 619

barium enema scout film: cost effectiveness and clinical efficacy, Pochazevsky R, *Radiology* 1987; 162: 581

calculation of internal costs in a department of diagnostic radiology, Geitung JT; Göthlin JH; Uhde A; et al, *Eur J Radiol* 1988; 8: 181

contrast medium—induced adverse reactions: economic outcome, Powe NR; Steinberg EP; Erickson JE; Moore RD; Smith CR; White RI Jr; Brinker JA; Fishman EK; Zinreich SJ; Kinnison ML; Anderson GF, *Radiology* 1988; 169: 163

cost-effective, available-on-demand intraoperative radiation therapy, Archambeau JO; Aitken D; Potts TM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 775

cost effectiveness of chest CT in TINOMO lung cancer, Black WC; Armstrong P; Daniel TM, *Radiology* 1988; 167: 373

costing imaging procedures, Bretland FM, *Br J Radiol* 1988; 61: 54

dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients, Zeichner SJ; Ruttman UE; Webber RL, *Radiology* 1987; 162: 691

early prostate cancer: diagnostic costs of screening transrectal US and digital rectal examination, Topp-Pedersen ST; Littrup PJ; Lee F; Mettlin C, *Radiology* 1988; 169: 351

impact of low-cost mammography screening on nearby mammography practices, Sickles EA, *Radiology* 1988; 168: 59

improved financial management of the radiology department with a microcosting system, Arenson RL; van der Voorde F; Stevens JF, *Radiology* 1988; 166: 255

is ultrasound screening for urinary tract infection "cost effective"? Diamant MJ, *Pediatr Radiol* 1988; 18: 157

low-osmolality contrast media: good news or bad?, Evens RG, *Radiology* 1988; 169: 277

mammographic screening: how to operate successfully at low cost, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Solitto RA, *Radiology* 1986; 160: 95

mammographic screening: how to operate successfully at low cost, Evens RG, *Radiology* 1986; 161: 850

mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Solitto RA, *Radiology* 1986; 161: 850

mammographic screening: how to operate successfully at low cost, Hall FM, *Radiology* 1986; 161: 851

mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Solitto RA, *Radiology* 1986; 161: 851

nonpalpable breast lesions: recommendations for biopsy based on suspicion of carcinoma at mammography, Hall FM; Storella JM; Silverstone DZ; Wyshak G, *Radiology* 1988; 167: 353

outpatient metrizamide myelography: prospective evaluation of safety and cost effectiveness, Badami JP; Baker RA; Scholz FJ; McLaughlin M, *Radiology* 1986; 158: 175

pulmonary embolism and lung scanning: cost-effectiveness and benefit-risk, Specker BL; Saenger EL; Buncher CR; et al, *J Nucl Med* 1987; 28: 1521

radiology department management system: technologists' costs, Janower ML, *Radiology* 1986; 159: 566

radiology department management system: technologists' costs: reply, McNeil BJ, *Radiology* 1986; 159: 566

reducing the cost of using contrast media: a look at discarded volumes, Kinnison ML; Steinberg EP; Powe NR; Anderson GF, *Radiology* 1988; 166: 367

use of low-osmolality contrast media in a price-sensitive environment, Steinberg EP; Anderson GF; Powe NR; et al, *AJR* 1988; 151: 271

Craniohypopharyngioma

antenatal ultrasound diagnosis of an intracranial neoplasm (craniohypopharyngioma), Snyder JR; Lustig-Gillman I; Millo L; et al, *JCU* 1986; 14: 304

craniohypopharyngioma: CT and MR imaging in nine cases, Freeman MP; Kessler RM; Allen JH; et al, *JCAT* 1987; 11: 810

giant cystic craniohypopharyngioma, Young SC; Zimmerman RA; Nowell MA; et al, *Neuroradiol* 1987; 29: 468

intrasellar craniohypopharyngioma: CT and MR studies, Hillman TH; Feystor RG; Hoover ED; et al, *JCAT* 1988; 12: 702

- MR of craniopharyngiomas: tumor delineation and characterization. Pusey E; Kortman KE; Flannigan BD; et al. *AJNR* 1987; 8: 439
- Rathke cleft cysts: CT, MR imaging, and pathologic features. Kucharczyk W; Peck WW; Kelly WM; Norman D; Newton TH. *Radiology* 1987; 165: 491
- Cranium**
See Skull
- Crohn disease**
See Intestines, diseases
- Cryosurgery**
monitoring hepatic cryosurgery with sonography. Onik G; Kane R; Steele G; et al. *AJR* 1986; 147: 665
- US characteristics of frozen prostate. Onik G; Cobb C; Cohen J; Zabkar J; Porterfield B. *Radiology* 1988; 168: 629
- Cryptococcosis**
abdominal cryptococcoma in AIDS: a case report. Scalfano FP Jr; Prichard JG; Lamki N; et al. *CT* 1988; 12: 237
- central nervous system disease in acquired immunodeficiency syndrome: prospective correlation using CT, MR imaging, and pathologic studies. Post MJD; Sheldon JJ; Hensley GT; Soila KP; Tobias JA; Chan JC; Quencer RM; Moskowitz LB. *Radiology* 1986; 158: 141
- cerebral torulosis: clinical features and correlation with computed tomography. (ab). Daunt N; Jayasing LSJ. *Radiology* 1986; 158: 560
- cryptococcosis associated with sarcoidosis: CT and MR findings. Allen KS; Glickstein M; Arger PH; et al. *JCAT* 1988; 12: 420
- cryptococcus meningitis, clinical - CT scan considerations. Tan CT; Kuan BB. *Neuroradiol* 1987; 29: 43
- radiologist looks at AIDS: imaging evaluation based on symptom complexes. Federie MP. *Radiology* 1988; 166: 553
- Cushing syndrome**
Cushing syndrome: pituitary CT scanning. Saris SC; Patronas NJ; Doppman JL; Loriaux DL; Cutler GB Jr; Nieman LK; Chrousos GP; Oldfield EH. *Radiology* 1987; 162: 775
- identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens. Doppman JL; Loughlin T; Miller DL; Pass HI; Chrousos GP; Cutler GB Jr; Oldfield EH; Loriaux DL. *Radiology* 1987; 163: 501
- macronodular adrenal hyperplasia in Cushing disease. Doppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield EH; Loriaux DL. *Radiology* 1988; 166: 347
- pituitary and adrenal CT of Cushing syndrome. Pojunaas KW; Daniels DL; Williams AL; et al. *AJNR* 1986; 7: 271
- pituitary and adrenal CT of Cushing syndrome. Pojunaas KW; Daniels DL; Williams AL; et al. *AJR* 1986; 146: 1235
- rebound thymic hyperplasia after treatment of Cushing's syndrome. Doppman JL; Oldfield EH; Chrousos GP; et al. *AJR* 1986; 147: 1145
- Cyst**
intrauterine cystocentesis: simple procedure to relieve anatomic and physiologic dysfunction in the fetus. Woo JSK; Li DFH; Wan MCW; et al. *JCU* 1986; 14: 474
- meningioma cysts. (ab). Worthington C; Caron J-L; Melanson D; et al. *Radiology* 1986; 161: 863
- pilar cyst seen on computed tomography. Newmark H III; Chakmakian V; Ablemayor E; et al. *CT* 1986; 10: 369
- plunging ranula: CT diagnosis. Charnoff SK; Carter BL. *Radiology* 1986; 158: 467
- spontaneous radiographic resolution of malignant and benign cysts. Shin MS; Ho K-J. *CT* 1986; 10: 99
- Cyst, percutaneous drainage**
guided cyst puncture and aspiration. Sandler CM; Houston GK; Hall JT; et al. *Radiol Clin North Am* 1986; 24: 527
- hepatic echinococcal cyst: successful percutaneous drainage. Morris DL. *Radiology* 1986; 159: 567
- hepatic echinococcal cyst: successful percutaneous drainage: reply. Mueller PR. *Radiology* 1986; 159: 567
- lymphoceles: imaging characteristics and percutaneous management. vanSonnenberg E; Wittich GR; Casola G; Wing VW; Halasz NA; Lee AS; Withers C. *Radiology* 1986; 161: 593
- palliative punctures in polycystic liver and kidney disease under sonographic monitoring. (ab). Brockmann WP; Klappdor R. *Radiology* 1986; 158: 566
- percutaneous aspiration and drainage of hydatid cysts in the liver. Bret PM; Fond A; Bretagnolle M; Valette PJ; Thiesse P; Lambert R; Labadie M. *Radiology* 1988; 168: 617
- percutaneous drainage of an infected mediastinal pseudocyst. Semelka RC; Greenberg HM. *J Canad Assoc Radiol* 1987; 38: 54
- Cysticercosis**
See also Parasites
- cerebral cysticercosis: demonstration by intraoperative neurosonography. Rosner NH; Doris PE; Singh RR. *J Ultrasound Med* 1987; 6: 623
- comparative evaluation of brain CT and ELISA in the diagnosis of neurocysticercosis. Chang KH; Kim WS; Cho SY; et al. *AJNR* 1988; 9: 125
- CT myelography in spinal cysticercosis. Zee C-S; Segall HD; Ahmadi J; et al. *JCAT* 1986; 10: 195
- mobile myelographic filling defects: spinal cysticercosis. Savioardo M; Cimino C; Passerini A; et al. *Neuroradiol* 1986; 28: 166
- MR findings in extracranial cysticercosis. Cheung YY; Steinbaum S; Yuh WT; et al. *JCAT* 1987; 11: 179
- MR imaging of intracranial cysticercosis: comparison with CT and anatomopathologic features. Suss RA; Maravilla KR; Thompson J. *AJNR* 1986; 7: 235
- MR imaging of intraventricular cysticercosis. Rhee RS; Kumasaki DY; Sawar M; et al. *JCAT* 1987; 11: 596
- MR of intramedullary spinal cysticercosis. Castillo M; Quencer RM; Post MJD. *AJNR* 1988; 9: 393
- neurocysticercosis: correlative pathomorphology and MR imaging. Lotz J; Hewlett R; Alheit B; et al. *Neuroradiol* 1988; 30: 35
- Cystic fibrosis**
See Fibrosis, cystic
- Cystitis**
alkaline encrusting cystitis. Verguts L; Deconinck K; Mortelmans LL. *Urol Radiol* 1987; 9: 53
- appendicitis with bladder involvement: CT appearance. Wojtaszek DA; Teixidor HS; Kazam E. *Urol Radiol* 1988; 9: 237
- CT demonstration of cystitis emphysematosa. Ney C; Kumar M; Billah K; et al. *JCAT* 1987; 11: 552
- diagnosis of cystitis glandularis. Kauzlaric D; Barreir E; Campana A. *Urol Radiol* 1987; 9: 50
- granulomatous cystitis in chronic granulomatous disease: ultrasound diagnosis. Hassel DR; Glasier CM; McConnell JR. *Pediatr Radiol* 1987; 17: 254
- haemorrhagic cystitis emphysematosa. (ab). Wilson GF. *Radiology* 1986; 158: 569
- sonography of cyclophosphamide hemorrhagic cystitis: a report of two cases. Suzuki T; Yasumoto M; Shibuya H; et al. *JCU* 1988; 16: 183
- varied sonographic manifestations of cystitis. Gooding CAW. *J Ultrasound Med* 1986; 5: 61
- Cystourethrography**
See Bladder, radiography
- D**
- Dacryocystography**
See Lacrimal gland and duct, radiography
- Dandy-Walker syndrome**
See Brain, abnormalities
- Deafness**
congenital middle-ear deafness: CT study. Swartz JD; Glazer AU; Faerber EN; Capitanio MA; Popky GL. *Radiology* 1986; 159: 187
- familial mixed deafness with branchial arch defects (earpits-deafness syndrome). (ab). Slack RWT; Phelps PD. *Radiology* 1986; 160: 286
- microangiopathic syndrome of encephalopathy, hearing loss, and retinal arteriolar occlusions. (ab). Monteiro MLR; Swanson RA; Coppeto JR; et al. *Radiology* 1986; 159: 822
- use of amplitude-modulated focused ultrasound for diagnosis of hearing disorders. Tsirulnikov EM; Vartanyan IA; Gersuni GV; et al. *Ultrasound Med Biol* 1988; 14: 277
- X-linked progressive mixed deafness with perilymphatic gusher during stapes surgery. (ab). Creemers WRJ; Hombergen GCHJ; Scaf JJ; et al. *Radiology* 1986; 158: 573
- Decision theory**
algorithms in radiology and medical imaging. Athanasioulis CA; Lee AK. *Radiology* 1987; 164: 565
- cost effectiveness of chest CT in TINOMO lung cancer. Black WC; Armstrong P; Daniel TM. *Radiology* 1988; 167: 373
- statistical techniques for medical decision making: applications to diagnostic radiology. Doubilet PM. *AJR* 1988; 150: 745
- Defecography**
defecography commode. Bernier F; Stevenson GW; Shorvon P. *Radiology* 1988; 166: 891
- evacuation proctography: an investigation of rectal expulsion in 20 subjects without defecatory disturbance. Bartram CI; Turnbull GK; Lennard-Jones JE. *Gastrointest Radiol* 1988; 13: 72
- solitary rectal ulcer syndrome: diagnosis with defecography. Goel R; Baeten C; Janevski B; et al. *AJR* 1987; 149: 933
- solitary rectal ulcer syndrome: findings at barium enema study and defecography. Goel R; Baeten C; Arends JW. *Radiology* 1988; 168: 303
- videodefecography combined with measurement of the anorectal angle and of perineal descent. Skomrowska E; Henrichsen S; Christiansen J; et al. *Acta Radiol* 1987; 28: 559
- Dehydration disorders**
comparison of endoscopy and barium swallow with marshmallow in dysphagia. Somers S; Stevenson GW; Thompson G. *J Canad Assoc Radiol* 1986; 37: 73
- cricopharyngeal ring: case report. Cumming WA; Akhtar M; Ferentzi C; et al. *Pediatr Radiol* 1986; 16: 152
- dysfunction of the pharyngo-oesophageal segment in patients with normal opening of the upper oesophageal sphincter: a cineradiographic study. Ekberg O. *Br J Radiol* 1987; 60: 637
- dysphagia and Forester's disease. (ab). Decker EC; Schild JA; Mafee MF. *Radiology* 1986; 159: 574
- effect of cricopharyngeal myotomy on pharyngo-oesophageal function: pre- and postoperative cineradiographic findings. Ekberg O; Lindgren S. *Gastrointest Radiol* 1987; 12: 1
- oesophageal radiography and manometry: correlation in 172 patients with dysphagia. Ott DJ; Richter JE; Chen YM; et al. *AJR* 1987; 149: 307
- examination of the patient with dysphagia. Jones B; Donner MW. *Radiology* 1988; 167: 319
- is there an accessory sphincter of the cervical oesophagus? Ekberg O; Borgström P; Lindgren S. *Br J Radiol* 1988; 61: 341
- massive hypertrophy of the lingual tonsils: unusual cause of dysphagia. Fitzgerald P; O'Connell D. *Br J Radiol* 1987; 60: 505
- pharyngeal and oesophageal function in patients with diabetes mellitus and swallowing complaints. Borgström PS; Olsson R; Sundkvist G; et al. *Br J Radiol* 1988; 61: 817
- radiographic and endoscopic sensitivity in detecting lower oesophageal mucosal ring. Ott DJ; Chen YM; Wu WC; et al. *AJR* 1986; 147: 261
- radiologic and manometric correlation in "nutcracker esophagus". Ott DJ; Richter JE; Wu WC; et al. *AJR* 1986; 147: 693
- symptomatic congenital ectopic gastric mucosa in the upper esophagus. Williams SM; May C; Krause DW; et al. *AJR* 1987; 148: 147
- two unusual causes of dysphagia: pictorial essay. Nguyen KT; Kosiak J; Place CR; et al. *J Canad Assoc Radiol* 1987; 38: 42
- Dementia**
Alzheimer's disease in Down's syndrome: clinicopathologic studies. (ab). Wisniewski KE; Dalton AJ; McLachlan DRC; et al. *Radiology* 1986; 159: 573

- application of iodine-123-labeled isopropylamphetamine imaging to the study of dementia, Sharp PF, Gemmell HG, Cherryman G; et al, *J Nucl Med* 1986; 27: 761
- central auditory function in Alzheimer's disease, (ab), Grimes AM, Grady CL, Foster NL; et al, *Radiology* 1986; 158: 572
- cerebral perfusion imaging in Alzheimer's disease: use of single photon emission computed tomography and iofetamine hydrochloride I 123, (ab), Johnson KA, Mueller ST, Walshe TM; et al, *Radiology* 1987; 164: 592
- clinical prediction rules for computed tomographic scanning in senile dementia, (ab), Martin DC, Miller J; Kapoor W; et al, *Radiology* 1987; 163: 838
- comparison of magnetic resonance and positron emission tomography in dementia, (ab), Johnson KA, Davis KR, Buonanno FS; et al, *Radiology* 1988; 167: 295
- computed tomography brain changes in Parkinsonian dementia, Inzelberg R, Treves T, Reider I; et al, *Neuroradiol* 1987; 29: 535
- CT changes in dementing diseases: review, LeMay M, *AJNR* 1986; 7: 841
- CT, magnetic resonance imaging, and SPECT iodine-123 iodoamphetamine imaging of a patient with progressive cognitive deterioration, Tikofsky RS, Harsch HH, Goldstein MD; et al, *Clin Nucl Med* 1987; 12: 463
- diagnosis of Alzheimer's disease and multiple infarct dementia by tomographic imaging of iodine-123 IMP, Cohen MB, Graham LS, Lake R; et al, *J Nucl Med* 1986; 27: 769
- diagnosis of dementia with single photon emission computed tomography, (ab), Jagust WJ, Budinger TF, Reed BR, *Radiology* 1987; 164: 592
- diagnosis of dementia with single photon emission computed tomography, (ab), Jagust WJ, Budinger TF, Reed BR, *Radiology* 1987; 165: 590
- diagnostic tests in the evaluation of dementia: prospective study of 200 elderly outpatients, (ab), Larson EB, Reifler B; Sumi SM; et al, *Radiology* 1987; 163: 295
- differential diagnosis in dementia using the cerebral blood flow agent ^{99m}Tc HM-PAO: a SPECT study, Gemmell HG, Sharp PF, Besson JAO; et al, *JCAT* 1987; 11: 398
- gliomatosis cerebri presenting with hydrocephalus and dementia, Dickson DW, Horoupian DS, Thal LJ; et al, *AJNR* 1988; 9: 200
- imaging of the aging brain: part II. pathologic conditions, Drayer BP, *Radiology* 1988; 166: 797
- increased accumulation of N-isopropyl-(I-123)-p-iodoamphetamine in the left auditory area in a schizophrenic patient with auditory hallucinations, Matsuda H, Gyobu T, Il M; et al, *Clin Nucl Med* 1988; 13: 53
- magnetic resonance imaging and the acquired immunodeficiency syndrome dementia complex, Ekholm S; Simon JH, *Acta Radiol* 1988; 29: 227
- magnetic resonance imaging correlates of dementia in multiple sclerosis, (ab), Huber SJ, Paulson GW, Shuttleworth EC; et al, *Radiology* 1987; 165: 886
- magnetic resonance imaging correlates of dementia in multiple sclerosis, (ab), Huber SJ, Paulson GW, Shuttleworth EC; et al, *Radiology* 1988; 166: 914
- MR findings in normal-pressure hydrocephalus: significance and comparison with other forms of dementia, Jack CR Jr, Mokri B, Laws ER Jr; et al, *JCAT* 1987; 11: 923
- MRI appearance of AIDS subacute encephalopathy, Shabas D, Gerard G, Cunha B; et al, *Comput Radiol* 1987; 11: 69
- MR signal abnormalities at 1.5 T in Alzheimer's dementia and normal aging, Fazekas F, Chawluk JB, Alavi A; et al, *AJNR* 1987; 8: 421
- perfusion and receptor SPECT in the dementias—George Taplin Memorial Lecture, Holman BL, *J Nucl Med* 1986; 27: 855
- positron emission tomography in aging and dementia: effect of cerebral atrophy, Chawluk JB, Alavi A, Dann R; et al, *J Nucl Med* 1987; 28: 431

- single photon emission computed tomography in AIDS dementia complex, Pohl P, Vogl G, Fill H; et al, *J Nucl Med* 1988; 29: 1382
- SPECT study of regional cerebral blood flow in Alzheimer disease, Bonte FJ, Ross ED, Chehabi HH; et al, *JCAT* 1986; 10: 579
- statistical assessment of perceptual CT scan ratings in patients with Alzheimer type dementia, LeMay M, Stafford JL, Sandor T; et al, *JCAT* 1986; 10: 802
- technetium-99m HM-PAO-SPECT study of regional cerebral perfusion in early Alzheimer's disease, Perani D, Di Piero V, Vallar G; et al, *J Nucl Med* 1988; 29: 1507
- Dermatitis**
- cutaneous reaction to contrast material, Wood BP, Lane AT, Rabinowitz R, *Radiology* 1988; 169: 739
- Dermatomyositis**
- calcinosis of childhood dermatomyositis with glucoheptonate angiogram, Czarnecki DJ, Schroeder BA, Sty JR, *Clin Nucl Med* 1987; 12: 675
- Dermoid**
- bulging eye, Gholkar J; Jenkins JPR; Sekiya T, *Br J Radiol* 1986; 59: 1047
- case of the season, Zachar CK, Semin Roentgenol 1987; 22: 231
- dermoid tumor and cystadenoma arising in the same ovary, Bundy AL, Ritchie WGM, Fine C; et al, *JCU* 1986; 14: 727
- imaging of an intracranial cervical dermoid tumor by MR, CT, and sonography, Awwad EE, Backer R, Archer CR, *Comput Radiol* 1987; 11: 169
- imaging of lipoma of the corpus callosum and intracranial dermoids in the Goldenhar syndrome, Beltinger C, Saule H, *Pediatr Radiol* 1988; 18: 72
- MR and CT appearance of ruptured intracranial dermoid tumors, Stephenson TF, Spitzer RM, *Comput Radiol* 1987; 11: 249
- MR imaging of ruptured intracranial dermoid, Hahn FJ, Ong E, McComb RD; et al, *JCAT* 1986; 10: 888
- orbital dermoids: features on CT, Nugent RA, Lapointe JS, Rootman J; Robertson WD, Graeb DA, *Radiology* 1987; 165: 475
- ovarian dermoid cyst complicated by an entero-ovarian fistula, Shiels WE, Dueno F, Hernandez E, *Radiology* 1986; 160: 443
- persisting intraventricular fat-fluid levels following surgery on a ruptured dermoid cyst of the posterior fossa, Larsson E-M, Brandt L, Holtås S, *Acta Radiol* 1987; 28: 489
- temporoparietal dermoid cysts with intracranial extension, Currarino G, Rutledge JC, *AJNR* 1988; 9: 385
- Desmoid**
- case report 358, Crisi G, Calo M; Mauri C, *Skeletal Radiol* 1986; 15: 247
- computed tomography of aggressive fibromatosis in the posterior mediastinum, Black WC, Armstrong P, Daniel TM; et al, *JCAT* 1987; 11: 153
- computed tomography of desmoid tumors of bone: desmoplastic fibroma, Young JWR, Aisner SC, Levine AM; et al, *Skeletal Radiol* 1988; 17: 333
- magnetic resonance characteristics of an abdominal desmoid tumor, Hamlin DJ, Paige R, Pettersson H; et al, *Comput Radiol* 1986; 10: 11
- musculoskeletal desmoid tumors: CT assessment during therapy, Magid D, Fishman EK, Wharam MD Jr; et al, *JCAT* 1988; 12: 222
- role of brachytherapy in the management of desmoid tumors, Assad WA, Nori D, Hilaris BS; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 901
- synchronous multicentric desmoid tumors (aggressive fibromatosis) of the extremities, Sundaram M, Duffrin H, McGuire MH; et al, *Skeletal Radiol* 1988; 17: 16
- Diabetes insipidus**
- diabetes insipidus secondary to intracranial sarcoidosis confirmed by low-field magnetic resonance imaging, Lewis R, Wilson J, Smith FW, *Magn Res Med* 1987; 5: 466
- MR imaging findings in the posterior pituitary gland, Fujisawa I, Asato R, *Radiology* 1988; 168: 282

- MR imaging findings in the posterior pituitary gland: reply, Colombo N; Berry I, Kucharczyk J; Kucharczyk W, *Radiology* 1988; 168: 282
- posterior lobe of the pituitary in diabetes insipidus: MR findings, Fujisawa I, Nishimura K, Asato R; et al, *JCAT* 1987; 11: 221
- posterior pituitary gland: appearance on MR images in normal and pathologic states, Colombo N; Berry I; Kucharczyk J; Kucharczyk W; de Groot J; Larson T; Norman D; Newton TH, *Radiology* 1987; 165: 481
- post-traumatic diabetes insipidus and amenorrhea-galactorrhea syndrome after pituitary stalk rupture, Massol J; Humbert P; Cattin F; et al, *Neuroradiol* 1987; 29: 299
- post-traumatic diabetes insipidus: MR demonstration of pituitary stalk rupture, Halimi P, Sigal R, Doyon D; et al, *JCAT* 1988; 12: 135
- Diabetes mellitus**
- abnormal body fat distribution detected by computed tomography in diabetic men, Shuman WP, Morris LLN; Leonetti DL; et al, *Invest Radiol* 1986; 21: 483
- antennal sonographic detection of a fetal theca lutein cyst: clue to maternal diabetes mellitus, Nguyen KT, Reid RL; Sauerbrei E, *J Ultrasound Med* 1986; 5: 665
- arterial wall stiffness in insulin-dependent diabetes mellitus: an in vivo study, Christensen T, Neubauer B, *Acta Radiol* 1987; 28: 207
- case report 417, Sebrechts C; Garvey WT; Sartoris DJ; et al, *Skeletal Radiol* 1987; 16: 320
- chronic ear discharge in an elderly diabetic man, Piwnica-Worms D; Forman A; Tumei SS, *Invest Radiol* 1986; 21: 584
- gallbladder function in diabetic patients, Shreiner DP, Sarva RP, Van Thiel D; et al, *J Nucl Med* 1986; 27: 357
- increased arterial wall stiffness and thickness in medium-sized arteries in patients with insulin-dependent diabetes mellitus, Christensen T, Neubauer B, *Acta Radiol* 1988; 29: 299
- pancreatic transplantation: scintigraphy, US, and CT, Patel B; Markivier CR; Mahanta B; Vas W; George E; Garvin P, *Radiology* 1988; 167: 685
- pharyngeal and oesophageal function in patients with diabetes mellitus and swallowing complaints, Borgström PS, Olsson R, Sundkvist G; et al, *Br J Radiol* 1988; 61: 817
- sonography of the sole of the foot: evidence for loss of foot pad thickness in diabetes and its relationship to ulceration of the foot, Gooding GAW, Stess RM; Graf PM; et al, *Invest Radiol* 1986; 21: 45
- Diabetes mellitus, complications**
- bone scintigraphy and radiography in the early recognition of diabetic osteopathy, Tawn DJ, O'Hare JP, O'Brien IA; et al, *Br J Radiol* 1988; 61: 273
- cranial CT in children and adolescents with diabetic ketoacidosis, Hoffman WH, Steinhart CM, El Gammal T; et al, *AJNR* 1988; 9: 733
- diabetic foot, Zlatkin MB; Pathria M; Sartoris DJ; et al, *Radiol Clin North Am* 1987; 25: 1095
- diabetic foot infections: bacteriologic analysis, (ab), Wheat LJ; Allen SD; Henry M; et al, *Radiology* 1987; 163: 293
- femur length/abdominal circumference ratio: poor predictor of macroscopic fetuses in diabetic mothers, Benson CB, Doubilet PM, Saltzman DH; et al, *J Ultrasound Med* 1986; 5: 141
- neurologic complications in diabetics after metrizamide lumbar myelography, Steiner E, Simon JH, Ekholm SE; et al, *AJNR* 1986; 7: 323
- osteomyelitis in the feet of diabetic patients: long-term results, prognostic factors, and the role of antimicrobial and surgical therapy, (ab), Bamberger DM; Daus GP; Gerdner DM, *Radiology* 1988; 167: 295
- ³¹P NMR studies of the diabetic lens, González RG, Miglior S; Von Saltz I; et al, *Magn Res Med* 1988; 6: 435

spontaneous resolution of fetal ventriculomegaly in a diabetic patient, *Toi A, J Ultrasound Med* 1987; 6: 37

Diagnostic radiology

See also Radiography; Radiology and radiologists

alumni perceptions of adequacy of training in diagnostic radiology, *Rubin SA; Meier RS; Schreiber MH, Invest Radiol* 1986; 21: 492

Anderson-Stuart lecture 1985: present and future role of medical imaging, *Margulis AR; Shea WJ Jr, Australas Radiol* 1987; 31: 6

annotation: towards the more effective use of diagnostic radiology: a review of the work of the Royal College of Radiologists Working Party on the More Effective Use of Diagnostic Radiology, 1976 to 1986, *Clin Radiol Clin Radiol* 1988; 39: 3

communicating the significance of radiologic test results: likelihood ratio, *Black WC; Armstrong P, AJR* 1986; 147: 1313

computer-aided diagnostic strategy selection, *Greenes RA, Radiol Clin North Am* 1986; 24: 105

dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients, *Zeichner SJ; Ruttimann UE; Webber RL, Radiology* 1987; 162: 691

diagnostic radiology: usage and trends in the United States, 1964-1980, *Mettler FA Jr, Radiology* 1987; 162: 263

improved imaging diagnosis by sequentially combined confidence judgments, *Curtis FB; Ferrelli WR; Hillman BJ, Invest Radiol* 1988; 23: 342

information integration for the imaging specialist, *Shannon RH, Radiol Clin North Am* 1986; 24: 121

markers for implanted devices: need for standardization, *Scott WW Jr; Wheeler PS; Mitchell SE, AJR* 1986; 146: 387

protocol for verifying truth of diagnosis: preliminary report, *Ker M; Seeley GW; Stempski MO; et al, Invest Radiol* 1988; 23: 485

reducing roentgenography use: can patient expectations be altered?, *(ab), Deyo RA; Diehl AK; Rosenthal M, Radiology* 1987; 163: 591

usefulness of diagnostic tests, *Rosenquist CJ, AJR* 1988; 150: 1189

variation in repeat rates between 18 radiology departments, *Rogers KD; Matthews IP; Roberts CJ, Br J Radiol* 1987; 60: 463

visual contrast enhancement with a patterned overlay, *Kunin M; Phillips JJ; Schwarz G, Radiology* 1988; 167: 271

Diagnostic radiology, observer performance

assessment of radiologic tests: control of bias and other design considerations, *Begg CB; McNeil BJ, Radiology* 1988; 167: 565

casualty x-ray reporting: student survey, *(ab), Robson N; van Benthem PP; Can R; et al, Radiology* 1986; 158: 863

clinical trial of digital teleradiology in the practice of emergency room radiology, *Kagetsu NJ; Zulauf DRP; Ablow RC, Radiology* 1987; 165: 551

depth determination on stereoscopic digital subtraction angiograms, *Higashida Y; Hirata Y; Saito R; Doudanuki S; Bussaka H; Takahashi M, Radiology* 1988; 168: 560

detection of low-contrast signals: comparison of observers with and without radiology training, *Rackow PL; Spitzer VM; Hendee WR, Invest Radiol* 1987; 22: 311

digital and conventional chest images: observer performance with film digital radiography system, *Goodman LR; Foley WD; Wilson CR; Rimm AA; Lawson TL, Radiology* 1986; 158: 27

digital and conventional chest imaging: modified ROC study of observer performance using simulated nodules, *Chakraborty DP; Breatnach ES; Yester MV; Soto B; Barnes GT; Fraser RG, Radiology* 1986; 158: 35

digital chest imaging: comparison of two film image digitizers with a classification task, *Kundel HL; Mezrich JL; Brickman I; Siegel R; Miller WT; Epstein DM; Gefter WB; Arenson RL; Seshadri SB; Khalsa S, Radiology* 1987; 165: 747

digital chest radiography: effect on diagnostic accuracy of hard copy, conventional video, and reversed gray scale video display formats, *MacMahon H; Metz CE; Doi K; Kim T; Giger ML; Chan H-P, Radiology* 1988; 168: 669

digital gastrointestinal imaging: effect of pixel size on detection of subtle mucosal abnormalities, *Kastan DJ; Ackerman LV; Feczko PJ, Radiology* 1987; 162: 853

digital projection radiography of the chest, *Kundel HL, Radiology* 1986; 158: 274

digital radiography of subtle pulmonary abnormalities: ROC study of the effect of pixel size on observer performance, *MacMahon H; Vyborny CJ; Metz CE; Doi K; Sabeti V; Solomon SL, Radiology* 1986; 158: 21

effect of training and experience on radiologic diagnostic performance in midfacial trauma, *Kinnunen J; Göthlin JH; Tötterman S, Acta Radiol* 1988; 29: 83

effects of clinical information on film interpretation: another perspective, *Swenson RG, Invest Radiol* 1988; 23: 56

effects of image processing on nodule detection rates in digitized chest radiographs: ROC study of observer performance, *Sherrier RH; Chiles C; Wilkinson WE; Johnson GA; Ravin CE, Radiology* 1988; 166: 447

excretory urography in the emergency department: utility of teleradiology, *DiSantis DJ; Cramer MS; Scatarige JC, Radiology* 1987; 164: 363

excretory urography using computed radiography, *Fajardo LL; Hillman BJ; Hunter TB; Claypool HR; Westerman BR; Mockbee B, Radiology* 1987; 162: 345

impact of clinical history on fracture detection with radiography, *Berbaum KS; El-Khoury GY; Franken EA Jr; Kathol MH; Montgomery WJ; Hesson W, Radiology* 1988; 168: 507

influence of clinical history upon detection of nodules and other lesions, *Berbaum KS; Franken EA Jr; Dorfman DD; et al, Invest Radiol* 1988; 23: 48

interobserver variability: a source of error in obstetric ultrasound, *Zador IE; Sokol RJ; Chik L, J Ultrasound Med* 1988; 7: 245

interobserver variation in the radiographic diagnosis of duodenal ulcer disease, *Gjorup T; Nielsen H; Jensen LB; et al, Acta Radiol* 1986; 27: 41

lung lesions: correlation between viewing time and detection, *Oestmann JW; Greene R; Kushner DC; Bourgoin PM; Linetsky L; Llewellyn HJ, Radiology* 1988; 166: 451

observer variation in quantitative assessment of rheumatoid arthritis. part II. simplified scoring system, *Kaye JJ; Nance EP Jr; Callahan LF; et al, Invest Radiol* 1987; 22: 41

observer variation in the detection of osteopenia, *Epstein DM; Dalinka MK; Kaplan FS; et al, Skeletal Radiol* 1986; 15: 347

perception errors with double-contrast enema after a positive guaiac test, *Kewenter J; Jensen J; Boijesen M; et al, Gastrointest Radiol* 1987; 12: 79

perception of visual information, *Hendee WR, Radiographics* 1987; 7: 1213

ROC methodology in radiologic imaging, *Metz CE, Invest Radiol* 1986; 21: 720

searching for lung nodules: comparison of human performance with random and systematic scanning models, *Kundel HL; Nodine CF; Thickman D; et al, Invest Radiol* 1987; 22: 417

size discrimination in computed tomographic images: effects of feature contrast and display window, *Seltzer SE; Swenson RG; Judy PF; et al, Invest Radiol* 1988; 23: 455

spatial resolution requirements for digital chest radiographs: ROC study of observer performance in selected cases, *Lams PM; Cocklin ML, Radiology* 1986; 158: 11

tentative diagnoses facilitate the detection of diverse lesions in chest radiographs, *Berbaum KS; Franken EA Jr; Dorfman DD; et al, Invest Radiol* 1986; 21: 532

using eye movements to study visual search and to improve tumor detection, *Nodine CF; Kundel HL, Radiographics* 1987; 7: 1241

value of chest radiography in excluding traumatic aortic rupture, *Mirvis SE; Bidwell JK; Buddemeyer EU; Diaconis JN; Pais SO; Whitley JE; Goldstein LD, Radiology* 1987; 163: 487

visualization of diagnostic images, *Ginsburg AP, Radiographics* 1987; 7: 1251

Diagnostic radiology, quality assurance

See Quality assurance

Diagnostic radiology, radiation exposure

doses to patients from routine diagnostic x-ray examinations in England, *Shrimpton PC; Wall BF; Jones DG; et al, Br J Radiol* 1986; 59: 749

improved method for estimating the entrance exposure in diagnostic radiographic examinations, *Zamenhof RG; Shahabi S; Morgan HT, AJR* 1987; 149: 631

limiting overhead views in double-contrast colon examinations does not affect diagnostic accuracy, *Feczko PJ; Halpert RD, Gastrointest Radiol* 1987; 12: 175

novel x-ray transmission ionization chamber dosimeter for patient dose measurements in diagnostic radiology, *Sankaran A; Patki VS, Br J Radiol* 1988; 61: 613

patient doses and risks from diagnostic radiology in North-east Italy, *Padovani R; Contento G; Fabretto M; et al, Br J Radiol* 1987; 60: 155

radiation dose in radiography, CT, and arthrography of the temporomandibular joint, *Christiansen EL; Moore RJ; Thompson JR; et al, AJR* 1987; 148: 107

scatter radiation exposure during knee arthrography, *Light MC; Molloy SY; Yandow DR; Ranallo FN, Radiology* 1987; 164: 867

valuing the man-siever in X-ray diagnosis, *Russell JGB; Webb GAM, Br J Radiol* 1987; 60: 681

Diagnostic radiology, radiation hazard

probability of causation tables and their possible implications for the practice of diagnostic radiology, *Gur D; Wald N, Radiology* 1986; 158: 853

scattered radiation reaching doors and windows of diagnostic x-ray rooms, *Law J, Br J Radiol* 1987; 60: 179

Dialysis

acquired cystic disease of the kidney in patients on hemodialysis, *Taves DH, J Canad Assoc Radiol* 1986; 37: 161

acquired cystic disease of the kidneys: computed tomography and ultrasonography appraisal in patients on peritoneal and hemodialysis, *Jabour BA; Ralla PW; Tang WW; et al, Invest Radiol* 1987; 22: 728

aluminum bone disease in children: radiographic features from diagnosis to resolution, *Daves ML, Radiology* 1986; 159: 283

aluminum bone disease in children: radiographic features from diagnosis to resolution: reply, *Andreoli SP; Smith JA; Bergstein JM, Radiology* 1986; 159: 284

aluminum bone disease in children: radiographic features from diagnosis to resolution, *Vukicevic S, Radiology* 1987; 163: 583

aluminum toxicity in patients undergoing dialysis: radiographic findings and prediction of bone biopsy results, *Kriegshauser JS; Sweet RG; McCarthy JT; Hauser MF, Radiology* 1987; 164: 399

arthropathy and cutaneous calcinosis in hemodialysis oxalosis, *(ab), Reginato AJ; Seane JLF; Alvarez CB; et al, Radiology* 1987; 163: 590

articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis, *Sundaram M, Radiology* 1988; 166: 285

- articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis: reply, Naidich JB; Karmel MI; Stein HL; Mossey RT; Bluestone PA, *Radiology* 1988; 166: 285
- case report 356, Goldman AB; Abrahams TG, *Skeletal Radiol* 1986; 15: 308
- cerebral computed tomography in uremic and hemodialyzed patients, Cusmano F; Savazzi GM, *JCAT* 1986; 10: 567
- clinical picture of the amyloid arthropathy in patients with chronic renal failure maintained on haemodialysis using cellulose membranes, (ab), Muñoz-Gómez J; Gómez-Pérez R; Llopart-Buisán E; et al, *Radiology* 1988; 166: 912
- coccidioidomycosis in renal dialysis and transplant patients: radiologic findings in 30 patients, Yoshino MT; Hillman BJ; Gagliardi JN, *AJR* 1987; 149: 989
- computed tomography with intraperitoneal contrast medium for localization of peritoneal dialysis leaks, Brown DL; Johnson JB Jr; Kraus AP Jr; et al, *JCAT* 1987; 11: 276
- CT of renal cell carcinoma in patients on chronic hemodialysis, Siegel SC; Sandler MA; Alpern MB; et al, *AJR* 1988; 150: 583
- CT peritoneography in evaluation of pediatric dialysis complications, Magill HL; Roy S III; Stapleton FB, *AJR* 1986; 147: 325
- destructive spondyloarthropathy in hemodialysis patients: report of four cases and prospective study, Kerr R; Björkengren A; Bielecki DK; et al, *Skeletal Radiol* 1988; 17: 176
- destructive spondyloarthropathy in chronic haemodialysis patients, Deramond H; Sebert JL; Rosat P; et al, *J Neuroradiol* 1987; 14: 27
- dialysis access: radiographic evaluation and management, Hunter DW; So SK, *Radiol Clin North Am* 1987; 25: 249
- extraperitoneal placement of Tenckhoff catheters: a cause of immediate malfunction, Perlmutt LM; Braun SD; Cohan RH; et al, *AJR* 1987; 148: 1211
- fatal rhizopus infections in hemodialysis patients receiving deferoxamine, (ab), Windus DW; Stokes TJ; Julian BA; et al, *Radiology* 1988; 167: 587
- hemodialysis-associated amyloidosis and beta-2 microglobulin: clinical and immunohistochemical study, (ab), Bardin T; Zingraff J; Shirahama T; et al, *Radiology* 1988; 166: 913
- hemodialysis is not essential for the development of destructive spondyloarthropathy in patients with chronic renal failure, (ab), Alcalay M; Goupy M-C; Azais I; et al, *Radiology* 1988; 167: 590
- osteoarthropathy of the hand and wrist in patients undergoing long-term hemodialysis, Naidich JB; Karmel MI; Mossey RT; Bluestone PA; Stein HL, *Radiology* 1987; 164: 205
- periosteal resorption and periosteal neostosis: comparison of normal subjects and renal failure patients on chronic ambulatory peritoneal dialysis using MOP-3 image analysis system and a grading method, Meema HE; Oreopoulos DG; Murray TM, *Skeletal Radiol* 1986; 15: 14
- radiologic features of a pyrophosphate-like arthropathy associated with long-term dialysis, Braunstein EM; Menerey K; Martel W; et al, *Skeletal Radiol* 1987; 16: 437
- renal cell carcinoma complicating long-term dialysis: computed tomography-guided aspiration cytology, Nunez D Jr; Ynzarry JM; Nadjf M; et al, *CT* 1986; 10: 61
- role of percutaneous angioplasty in the management of chronic hemodialysis fistulas, (ab), Glanz S; Gordon DH; Butt KMH; et al, *Radiology* 1988; 168: 294
- scintigraphic detection of abdominal wall and diaphragmatic peritoneal leaks in patients on continuous ambulatory peritoneal dialysis, Walker JV; Fish MB, *J Nucl Med* 1988; 29: 1596
- sequela of continuous ambulatory peritoneal dialysis (CAPD) mimicking primary gynecologic pathology, Vincent LM; Parker LA; Mittelstaedt CA, *J Ultrasound Med* 1987; 6: 483
- spondyloarthropathy from long-term hemodialysis, Naidich JB; Mossey RT; McHaffey-Atkinson B; Karmel MI; Bluestone PA; Mailloux LU; Stein HL, *Radiology* 1988; 167: 761
- spondyloarthropathy of the cervical spine in long-term hemodialysis, Rafto SE; Dalinka MK; Schiebler ML; Burk DL Jr; Kricun ME, *Radiology* 1988; 166: 201
- subcutaneous calcifications masquerading as pulmonary lesions in long-term hemodialysis: review of nodular pulmonary opacities in the population undergoing hemodialysis, (ab), Jolles H; Johnson AC; Ell SR, *Radiology* 1986; 158: 566
- thickness of the gallbladder wall in patients with hypoalbuminemia: a sonographic study of patients on peritoneal dialysis, Kaffori JK; Pery M; Green J; et al, *AJR* 1987; 148: 1117
- thrombosed dialysis grafts: efficacy of intrathrombotic deposition of concentrated urokinase, clot maceration, and angioplasty, Davis GB; Dowd CF; Bockstein JJ; et al, *AJR* 1987; 149: 177
- tumoral amyloidosis of bone of beta₂-microglobulin origin in association with long-term hemodialysis: new type of amyloid disease, (ab), Casey TT; Stone WJ; DiRaimondo CR; et al, *Radiology* 1986; 161: 860
- use of digital subtraction angiography for evaluation of vascular access for hemodialysis, Picus D; van Breda A; Katzen BT; et al, *Cardiovasc Intervent Radiol* 1987; 10: 210
- vertebral erosions in patients undergoing maintenance hemodialysis for chronic renal failure, Sundaram M; Seelig R; Pohl D, *AJR* 1987; 149: 323
- Dialysis, shunts**
- arterial and venous embolization: declothing of dialysis shunts by direct injection of streptokinase, Zeit RM, *Radiology* 1986; 159: 639
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Ingram TL; Reid SH; Tisnado J; Cho S-R; Posner MP, *Radiology* 1988; 166: 45
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Daniell SJN; Dacie JE, *Radiology* 1988; 169: 280
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts: reply, Ingram TL; Reid SH; Cho S-R; Tisnado J, *Radiology* 1988; 169: 280
- striking visualization of an A-V dialysis shunt on bone imaging, Slizowski WJ; Croll MN; Dadparvar S, *Clin Nucl Med* 1988; 13: 469
- thrombosed synthetic hemodialysis access fistulas: success of combined thrombectomy and angioplasty (technical note), Smith TP; Hunter DW; Darcy MD; et al, *AJR* 1986; 147: 161
- Diaphanography**
- See Breast, transillumination
- Diaphragm**
- anterior diaphragm: variations in the CT appearance, Gale ME, *Radiology* 1986; 161: 635
- case report 388, Brogdon BG; Arcement LJ, *Skeletal Radiol* 1986; 15: 503
- diaphragm: anatomic, pathologic, and radiologic considerations, Panicek DM; Benson CB; Gottlieb RH; Heitzman ER, *Radiographics* 1988; 8: 385
- illusory consolidation of the left lower lobe: a pitfall of portable radiography, Zylak CJ; Littleton JT; Durizich ML, *Radiology* 1988; 167: 653
- Diaphragm, abnormalities**
- antenatal diagnosis of diaphragmatic anomalies, Comstock CH, *J Ultrasound Med* 1986; 5: 391
- diaphragm: anatomic, pathologic, and radiologic considerations, Panicek DM; Benson CB; Gottlieb RH; Heitzman ER, *Radiographics* 1988; 8: 385
- diaphragmatic eventration versus chest mass, Reyes de la Rocha S; Leonard JC, *Clin Nucl Med* 1988; 13: 619
- pararenal pseudotumors of the diaphragm: computed tomographic features, Parienty RA; Marichez M; Pradel J; et al, *Gastrointest Radiol* 1987; 12: 131
- radiologic evaluation of the diaphragm, Oh KS; Newman B; Bender TM; et al, *Radiol Clin North Am* 1988; 26: 355
- use of technetium-99m albumin colloid to assess competency of hemidiaphragms in children, Williamson SL; Williamson MR; Golladay ES; et al, *Clin Nucl Med* 1987; 12: 373
- Diaphragm, CT**
- anterior diaphragm: variations in the CT appearance, Gale ME, *Radiology* 1986; 161: 635
- cardiophrenic angle adenopathy: update of causes and significance, Vock P; Hodler J, *Radiology* 1986; 159: 395
- CT appearance of the diaphragm varying with respiratory phase and muscular tension, Anda S; Roysland P; Fougner R; et al, *JCAT* 1986; 10: 744
- inversion of the right diaphragm: thoracoabdominal CT pitfall, Hertzanu Y; Solomon A, *Gastrointest Radiol* 1986; 11: 200
- pararenal pseudotumors of the diaphragm: computed tomographic features, Parienty RA; Marichez M; Pradel J; et al, *Gastrointest Radiol* 1987; 12: 131
- variation in the thickness of the diaphragmatic crura with respiration, Williamson BR; Gouse JC; Rohrer DG; Teates CD, *Radiology* 1987; 163: 683
- Diaphragm, injuries**
- use of technetium-99m albumin colloid to assess competency of hemidiaphragms in children, Williamson SL; Williamson MR; Golladay ES; et al, *Clin Nucl Med* 1987; 12: 373
- Diaphragm, neoplasms**
- CT features of cystic teratoma of the diaphragm, Müller NL, *JCAT* 1986; 10: 325
- Diaphragm, rupture**
- diaphragm: anatomic, pathologic, and radiologic considerations, Panicek DM; Benson CB; Gottlieb RH; Heitzman ER, *Radiographics* 1988; 8: 385
- mediastinal pancreatic pseudocyst following traumatic rupture of diaphragm, Sharma S; Puri S; Chaturvedi P; et al, *Pediatr Radiol* 1988; 18: 337
- MR imaging of traumatic diaphragmatic rupture, Mirvis SE; Keramati B; Buckman R; et al, *JCAT* 1988; 12: 147
- Diaphragm, US studies**
- diaphragmatic discontinuity associated with perihaptic ascites: a sonographic refractive artifact, Middleton WD; Melson GL, *AJR* 1988; 151: 709
- Diarrhea**
- secretory diarrhea with protein-losing enteropathy, *enterocolitis cystica superficialis*, intestinal lymphangiectasia, and congenital hepatic fibrosis: new syndrome, (ab), Pelletier VA; Galeano N; Brochu P; et al, *Radiology* 1986; 159: 824
- VIPoma syndrome, (ab), Krejs GJ, *Radiology* 1988; 166: 291
- Diastematomyelia**
- concurrent hydromyelia and diastematomyelia, Schlesinger AE; Naidich TP; Quencer RM, *AJNR* 1986; 7: 473
- magnetic resonance imaging (MRI) of diastematomyelia, Thron A; Schroth G, *Neuroradiol* 1986; 28: 371
- sonographic diagnosis of diastematomyelia, Raghavendra BN; Epstein FJ; Pinto RS; et al, *J Ultrasound Med* 1988; 7: 111
- Diastriate**
- diastriate levels in cerebrospinal fluid following intravenous administration: role of fluid production rate, Harnish PP; Northington FK; Samuel KA, *Invest Radiol* 1988; 23: 377
- effect of chymopapain on the meninges studied in an experimental model, Haughton VM; Nguyen CM; Ho K-C, *Radiology* 1988; 169: 475
- effect on the blood-brain barrier of intracarotid contrast media—iopamidol and diastriate, Hayakawa K; Nakamura R; Ishii Y, *Eur J Radiol* 1988; 8: 47
- evaluation of iopamidol and diastriate in excretory urography: a double-blind clinical study, Cochran ST; Ballard JW; Katzberg RW; et al, *AJR* 1988; 151: 523
- heating contrast media: role in contemporary angiography, Halsell RD, *Radiology* 1987; 164: 276
- high dose brain CT with ioxaglate and diastriate adverse reactions and effects on urine protein tests, Raiminko R; Laivola J; Irjala K, *Eur J Radiol* 1988; 8: 44

- opiate involvement in contrast media-induced blood pressure changes, Harnish PP; Mukherji M; Northington FK; et al, *Invest Radiol* 1987; 22: 905
- physiologic effects of contrast media in the rabbit, Harnish P; Mukherji M; Kido DK, *Invest Radiol* 1987; 22: 901
- pulmonary angiography with iopamidol: patient comfort, image quality, and hemodynamics, Saeed M; Braun SD; Cohan RH; Susman SK; Illescas FF; Perlmutt LM; Newman GE; Dunnick NR, *Radiology* 1987; 165: 345
- quality of urograms in infants: a comparison of sodium diatrizoate, metrizamide and iothelox, Rawlinson J; Hyde I; Williams J, *Br J Radiol* 1988; 61: 592
- Diethylenetriaminepentaacetic acid (DTPA)**
- meningeal carcinomatosis in the VX2 rabbit tumor model: detection with Gd-DTPA-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Wright DC; Cohen PJ; Doppman JL, *Radiology* 1988; 167: 825
- Digital radiography**
- See Radiography, digital
- Digital subtraction angiography**
- accuracy of digital subtraction angiography for the quantification of atherosclerosis, Key H; Jackson PC; Thomas EA; et al, *Br J Radiol* 1987; 60: 1083
- accurate analysis of blood vessel sizes and stenotic lesions using stereoscopic DSA system, Fencil LE; Doi K; Hoffman KR, *Invest Radiol* 1988; 23: 33
- anomalous intrapulmonary vein drainage and pulmonary vein connection in DSA, Ariart IP; Bargon G; Sigel H, *Eur J Radiol* 1986; 6: 12
- application of IV digital subtraction angiography to cranial disease in children, Mueller DL; Amundson GM; Wesenberg RL; et al, *AJNR* 1986; 7: 669
- arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings, de Lange EE; Vielvoye GJ; Voormolen JHC, *Radiology* 1986; 158: 721
- brain death: use of dynamic CT and intravenous digital subtraction angiography, Tan WS; Wilbur AC; Jafar JJ; et al, *AJNR* 1987; 8: 123
- breast lesions: differential diagnosis using digital subtraction angiography, Watt AC; Ackerman LV; Windham JP; Shetty PC; Burke MW; Flynn MJ; Grodinsky C; Fine G; Wilderman SJ, *Radiology* 1986; 159: 39
- cardiac gating in intravenous DSA, Gmelin E; Weiss HD; Buchmann F, *Eur J Radiol* 1986; 6: 24
- comparative study of intravenous digital subtraction angiography and ventilation-perfusion scans in suspected pulmonary embolism, (ab), Piers DB; Verzijlbergen F; Westermann JJ; et al, *Radiology* 1988; 166: 291
- comparison of brachiocephalic angiography and IVDISA in the same group of patients, Thijssen HOM; Merx JL; Mostart JEJM; et al, *Neuroradiol* 1988; 30: 91
- comparison of iothelox and ioxaglate for intravenous digital subtraction angiography of the neck and head, Delcour C; Vanderhofstad A; Vandenbosch G; et al, *Invest Radiol* 1987; 22: 811
- complications of outpatient transbrachial intraarterial digital subtraction angiography: work in progress, Gritter KJ; Laidlaw WW; Peterson NT, *Radiology* 1987; 162: 125
- contrast media tonicity: part I. effects upon IV-DSA time-concentration curve peak and width: experimental studies, Burbank FH; Thompson WM, *Invest Radiol* 1986; 21: 240
- cross-sectional area measurements by digital subtraction videodensitometry, Simons MA; Kruger RA; Power RLB, *Invest Radiol* 1986; 21: 637
- depth determination on stereoscopic digital subtraction angiograms, Higashida Y; Hirata Y; Saito R; Doudanuki S; Bussaka H; Takahashi M, *Radiology* 1988; 168: 560
- detection of multivessel disease after myocardial infarction using intravenous stress digital subtraction angiography, Bellamy GR; Yiannikas J; Detrano R; Simpfendorfer C; Salcedo EE, *Radiology* 1986; 161: 685
- detection of unruptured familial intracranial aneurysms by intravenous digital subtraction angiography: screening of two affected families, ter Berg JWM; Overtoom TMD; Ludwig JW; et al, *Neuroradiol* 1987; 29: 272
- determination of left ventricular volumes with use of DSA density values, Takahashi M; Tsuchigame T; Tomiguchi S; et al, *Comput Radiol* 1986; 10: 1
- differentiation between benign and malignant disease of the breast using digital subtraction angiography of the breast, (ab), Watt AC; Ackerman LV; Shetty PC; et al, *Radiology* 1986; 158: 857
- digital angiography—myth and reality, Dawson P, *Australas Radiol* 1988; 32: 18
- digital intravenous subtraction angiography in the evaluation of reconstructed renal arteries, Saeed M; Braun SD; Illescas FF; et al, *Cardiovasc Intervent Radiol* 1987; 10: 205
- digital subtraction angiography in Takayasu arteritis, Matsunaga N; Hayashi K; Aikawa H; et al, *Acta Radiol* 1987; 28: 247
- digital subtraction angiography in the evaluation of renal vascular hypertension in children, (ab), Tonkin IL; Stapleton FB; Roy S III, *Radiology* 1988; 168: 591
- digital subtraction angiography: update, 1986, Carmody RF; Yang PJ; Seeger JF; et al, *Invest Radiol* 1986; 21: 899
- digital subtraction dynamic cavernosography, Hartnell GG; Mulcahy MJ; Kiely EA; et al, *Br J Radiol* 1988; 61: 679
- digital vascular imaging of neck veins for the insertion of chronic venous access catheters, Soppitt D; Rich AJ; Robson RA, *Clin Radiol* 1986; 37: 147
- DSA evaluation of surgically implantable Infusaid pump-catheter systems, Sanchez FW; Chuang VP; Murray DR; et al, *AJR* 1986; 146: 839
- DSA in acute gastrointestinal hemorrhage: clinical and in vitro studies, Rees CR; Palmaz JC; Alvarado R; Tyrrel R; Ciaravino V; Register T, *Radiology* 1988; 169: 499
- evaluation of ECG gating and hybrid subtraction for intraarterial digital subtraction thoracic aortography, Foley WD; Lipchik EO; Larson PA; et al, *AJR* 1987; 149: 1269
- evaluation of ECG gating for selective intraarterial carotid DSA, Foley WD; Lipchik EO; Larson PA; et al, *AJR* 1987; 149: 1265
- evaluation of the processing functions of a digital subtraction angiography image processor, Maher KP; Malone JF; Hurley GD; et al, *Br J Radiol* 1988; 61: 62
- extracranial vascular angiography, Gonzalez CF; Doan HT; Han SS; et al, *Radiol Clin North Am* 1986; 24: 419
- fibromuscular dysplasia of renal arteries: comparison of intravenous digital subtraction angiography with conventional angiography, Illescas FF; Braun SD; Cohan RH; et al, *J Canad Assoc Radiol* 1988; 39: 167
- flow analysis with digital subtraction angiography: 1. description of a simplified flow model, Hesselink JR; Chang KH; Chung KJ; et al, *AJNR* 1986; 7: 423
- flow analysis with digital subtraction angiography: 2. acquisition and accuracy of transit-flow measurements, Hesselink JR; Chang KH; Chung KJ; et al, *AJNR* 1986; 7: 427
- high resolution DSA: experimental and clinical evaluation, Takahashi M; Fukui K; Ueno S; et al, *Comput Radiol* 1986; 4: 213
- hybrid digital subtraction angiography: initial clinical experience, Takahashi M; Sato N; Fukui K; et al, *Comput Radiol* 1986; 4: 147
- impact of intravenous digital subtraction angiography on the evaluation of carotid artery disease: review of the first 600 cases, Orr NM; Doust BD, *Australas Radiol* 1988; 32: 21
- incidence of cardiac arrhythmias during intravenous digital subtraction angiography: comparison of peripheral and central injections, Treweek PS; Thomas ML, *J Canad Assoc Radiol* 1986; 37: 83
- intraarterial digital subtraction angiography in the diagnosis and treatment of gastrointestinal disorders, Ariyama J; Shimaguchi S; Suyama M; et al, *Gastrointest Radiol* 1986; 11: 177
- intraarterial digital subtraction angiography of renal transplants, Roeren T; Hauenstein K; Dinkel E; et al, *Urol Radiol* 1986; 6: 77
- intraarterial digital subtraction angiography with carbon dioxide: superior detectability of arteriovenous shunting, Takeda T; Ido K; Yuasa Y; et al, *Cardiovasc Intervent Radiol* 1988; 11: 101
- intraoperative digital subtraction neuroangiography: a diagnostic and therapeutic tool, Hieshima GB; Reicher MA; Higashida RT; et al, *AJNR* 1987; 8: 759
- intravenous digital subtraction angiography in intracranial aneurysms, Butler P; Freer CEL; Jha AN; et al, *Br J Radiol* 1987; 60: 323
- intravenous digital subtraction angiography in patients with suspected bypass graft occlusion following surgery for peripheral vascular disease, Butler P; Williamson B, *Br J Radiol* 1986; 59: 329
- intravenous digital subtraction angiography in the evaluation of potential renal donors, (ab), Suseman SK; Weinerth JL; Braun SD; et al, *Radiology* 1988; 166: 587
- intravenous digital subtraction angiography of the procerbral and cerebral arteries in patients with TIA: a comparison with conventional angiography, Bakke SJ; Nakstad PH; Aakhus T, *Eur J Radiol* 1988; 8: 140
- iopamidol 150 in intra-arterial digital angiography of the peripheral vasculature: a comparative study, Rossi P; Pavone P; Castrucci M; et al, *Eur J Radiol* 1988; 8: 85
- IV and intraarterial hybrid digital subtraction angiography: clinical evaluation, Foley WD; Beres J; Smith DF; et al, *AJR* 1986; 147: 613
- new system for quantitative arterial imaging and blood flow measurements, Cunningham IA; Hobbs BB; Fenster A, *Invest Radiol* 1986; 21: 465
- ocular lens dose in cerebral vascular imaging, Casselden PA, *Br J Radiol* 1988; 61: 202
- parametric imaging applied to renal digital subtraction angiography: establishment of normal ranges, Hunter JV, *Urol Radiol* 1986; 8: 204
- parametric imaging of blood flow, Strauss LG; Busch HP; Menges W; et al, *Eur J Radiol* 1988; 8: 24
- parametric imaging using digital subtraction angiography, Hunter GJS; Hunter JV; Brown NJG, *Br J Radiol* 1986; 59: 7
- pitfalls of digital angiography in the diagnosis of right aortic arch, Trigaux JP; Schoevaerdts JC; van Beers B; et al, *Eur J Radiol* 1987; 7: 216
- quantitative analysis of intracranial circulation using rapid-sequence DSA, Kwan ESK; Hall A; Enzmann DR, *AJR* 1986; 146: 1239
- quantitative digital subtraction coronary angiography using videodensitometry: an in vivo analysis, Simons MA; Muskett AD; Kruger RA; et al, *Invest Radiol* 1988; 23: 98
- radiation exposure from conventional and digital subtraction angiography of cerebral vessels, Plunkett MB; Gray JE; Kiepert DB, *AJNR* 1986; 7: 665
- radiation exposure of personnel during digital subtraction angiography, Britton CA; Wholey MH, *Cardiovasc Intervent Radiol* 1988; 11: 108
- role of CT and DSA in cranial sino-venous occlusion, Grossman H; St. Louis EL; Gray RR, *J Canad Assoc Radiol* 1987; 38: 183
- selective digital subtraction arteriography in necrosis of the femoral head, Heuck A; Reiser M; Schmucker F; et al, *Skeletal Radiol* 1987; 16: 270
- selective intraarterial DSA of the parathyroid glands in patients with hyperparathyroidism after parathyroidectomy, Lacombe P; Foster D; Dubost C; et al, *AJR* 1987; 149: 479

significance of internal carotid artery occlusion shown by IV digital subtraction angiography, Pexman JHW; Wriedt CHR; Richard TC, *AJNR* 1987; 8: 485

study of isotonic contrast media in intravenous digital subtraction angiography, Fria J; Schouman-Claeys E; Bonaly A; et al, *Invest Radiol* 1987; 22: 597

thoracic aortic rupture: advantages of intraarterial digital subtraction angiography, Mirvis SE; Pais SO; Gens DR, *AJR* 1986; 146: 987

upper-extremity venography using digital subtraction angiography, Kinnison ML; Kaufman SL; Chang R; et al, *Cardiovasc Intervent Radiol* 1986; 9: 106

use of digital subtraction angiography for evaluation of vascular access for hemodialysis, Picus D; van Breda A; Katzen BT; et al, *Cardiovasc Intervent Radiol* 1987; 10: 210

variability of quantitative digital subtraction coronary angiography before and after percutaneous transluminal coronary angioplasty, (ab), Sanz ML; Mancini GB; LeFree MT; et al, *Radiology* 1988; 166: 911

vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography, Gavanti ML; Gold RE; Fabian TC; Tonkin ILD, *Radiology* 1986; 158: 755

vessel sizing wire: accurate vessel measurement using digital subtraction arteriography, Halden WJ Jr; White RI Jr; Bright J; Mitchell SE; Chang R, *Radiology* 1986; 161: 556

Digital subtraction angiography, comparative studies

acute pulmonary embolism: diagnostic value of digital subtraction angiography, Musset D; Rosso J; Petitpretz P; Girard P; Hauvy MP; Simonneau G; Labrune M; Duroux P, *Radiology* 1988; 166: 455

comparison of intra-arterial digital subtraction angiography and conventional filming in peripheral vascular disease, Sniderman KW; Morse SS; Strauss EB, *J Canad Assoc Radiol* 1986; 37: 76

digital subtraction angiography: comparison of 512² and 1024² imaging, Gomes AS; Papin PJ; Mankovich NJ; et al, *AJR* 1986; 146: 835

DSA in acute gastrointestinal hemorrhage: clinical and in vitro studies, Rees CR; Palmaz JC; Alvarado R; Tyrrel R; Ciaravino V; Register T, *Radiology* 1988; 169: 499

intraarterial digital subtraction arteriographic evaluation of extremity tumors: comparison with conventional arteriography, Lee KR; Cox GG; Price HI; Johnson JA; Neff JR, *Radiology* 1986; 158: 255

localization of parathyroid adenomas in patients who have undergone surgery. part II. invasive procedures, Miller DL; Doppman JL; Krudy AG; Shawker TH; Norton JA; Vucich JJ; Morrish KA; Marx SJ; Spiegel AM; Aurbach GD, *Radiology* 1987; 162: 138

peripheral vascular disease: prospective study of intraarterial digital subtraction angiography using a 9-inch intensifier, Garvey C; Wilkins RA; Lewis JD, *Radiology* 1986; 159: 423

renal artery stenosis: evaluation with intravenous digital subtraction angiography, Wilms GE; Baert AL; Staessen JA; Amery AK, *Radiology* 1986; 160: 713

trauma of the extremities: prospective comparison of digital and conventional angiography, Sibbitt RR; Palmaz JC; Garcia F; Reuter SR, *Radiology* 1986; 160: 179

Digital subtraction angiography, in infants and children

pediatric digital subtraction angiography: intraarterial and intracardiac applications, Tonkin ILD; Fitch SJ; Magill HL; et al, *Pediatr Radiol* 1986; 16: 126

Digital subtraction angiography, technology

biplane digital subtraction angiography, Takahashi M; Fukui K; Ueno S; et al, *Comput Radiol* 1986; 4: 221

breast lesions: differential diagnosis using digital subtraction angiography, Watt AC; Ackerman LV; Windham JP; Shetty PC; Burke MW; Flynn MJ; Grodzinsky C; Fine G; Wilderman SJ, *Radiology* 1986; 159: 39

cardiovascular/interventional radiology. RSNA '87 meeting notes, Hunter DW; Baum S; Becker GJ; Casarella WJ; Cragg AH; Darcy MD; Kopecky K; Smith TP, *Radiology* 1988; 166: 608

carotid bifurcation: results of spliced hybrid subtraction angiography compared with standard temporal and hybrid images, Burbank FH; Enzmann DR; Brody WR, *Radiology* 1986; 160: 227

comparison of performance characteristics of different DSA installations, Busch HP; Strauss LG, *Eur J Radiol* 1987; 7: 56

computer processed fluoroscopic images for digital intravenous renal angiography, Strauss LG; Busch HP; Prager P; et al, *Eur J Radiol* 1986; 6: 78

contrast media tonicity: part II. isotonic ioxaglate vs. standard Renografin for IV-DSA evaluation of the carotid bifurcation, a double-blind prospective clinical trial, Burbank FH; Bradley BR; Yegnashankaran S; et al, *Invest Radiol* 1986; 21: 340

crossed-leg technique for digital subtraction angiography, Gersten K; Pillari G; Greenspan B; et al, *AJR* 1986; 146: 843

digital subtraction angiography with bandpass filtration during by-pass operation, Kehler M; Svahn G; Alwmark A; et al, *Acta Radiol* 1987; 28: 491

eigenimage filtration of intravenous digital subtraction angiograms of the heart: work in progress, Burke MW; Windham JP; Thrall JH; Shetty PC; Brymer JF, *Radiology* 1987; 164: 267

high resolution DSA: experimental and clinical evaluation, Takahashi M; Fukui K; Ueno S; et al, *Comput Radiol* 1986; 4: 213

hybrid digital subtraction angiography: initial clinical experience, Takahashi M; Sato N; Fukui K; et al, *Comput Radiol* 1986; 4: 147

impact of technology and technique on the performance of the intravenous D.S.A. of the carotid arteries, Dalla-Palma L; Stacul F; Pozzi-Mucelli RS; et al, *Eur J Radiol* 1986; 6: 73

improvement of IVDSA of the brachiocephalic arteries using a non-ionic contrast medium, Thijssen HOM; Mex J; Thijssen MAO; et al, *Neuroradiol* 1988; 30: 211

integrated stereotaxic imaging with CT, MR imaging, and digital subtraction angiography, Peters TM; Clark JA; Olivier A; Marchand EP; Mawko G; Dieumegarde M; Muresan LV; Ethier R, *Radiology* 1986; 161: 821

intravenous digital subtraction angiography by peripheral injection, Doris I; Hochhauser L; Vaughan WC; et al, *J Canad Assoc Radiol* 1987; 38: 7

intravenous digital subtraction arteriography: comparison of peripheral versus central contrast injection, Thomas ML; Treweek PS, *Br J Radiol* 1986; 59: 241

limb muscle compression: an alternative technique for intravenous digital subtraction angiography, Thomas ML; Hicks P, *Br J Radiol* 1987; 60: 123

Omnipaque vs. Hexabrix in intravenous DSA of the carotid arteries: randomized double-blind crossover study, Nakstad PH; Bakke SJ; Kjartansson O; et al, *AJNR* 1986; 7: 303

pulsed-injection method for blood flow velocity measurement in intraarterial digital subtraction angiography, Shaw C-G; Plewes DB, *Radiology* 1986; 160: 556

quantitative coronary arteriography: design and validation, Ratib OM; Mankovich NJ, *Radiology* 1988; 167: 743

stereoscopic digital subtraction angiography of hepatic artery and vein, Yamauchi T; Furui S; Ohtomo K; et al, *AJR* 1987; 148: 825

stereoscopic DSA of the central nervous system, Takahashi M; Bussaka H; Miyawaki M; *Neuroradiol* 1986; 28: 105

superior vena cava obstruction: evaluation with digital subtraction angiography, Sharma RP; Keller CE; Shetty PC; Burke MW, *Radiology* 1986; 160: 845

use of the Fourier transform in cardiac digital angiography, Witte G; Hoehne K-H; Riemer M; et al, *Cardiovasc Intervent Radiol* 1987; 10: 59

Dosimetry

accuracy of the line and point source approximations in IR-192 dosimetry, Williamson JF, *Int J Radiat Oncol Biol Phys* 1986; 12: 409

average fetal depth in utero: data for estimation of fetal absorbed radiation dose, Ragazzino MW; Breckle R; Hill LM; Gray JE, *Radiology* 1986; 158: 513

average soft-tissue and bone models for use in radiation dosimetry, White DR; Woodward HQ; Hammond SM, *Br J Radiol* 1987; 60: 907

biological dosimetry at the tissue-barium sulphate interface: a jejunal crypt survival assay, Tokita N; Raju MR, *Br J Radiol* 1988; 61: 169

calculation and application of point spread functions for treatment planning with high energy photon beams, Ahnesjo A; Andreo P; Brahme A, *Acta Oncol* 1987; 26: 49

calculation of absorbed doses for radiobiological studies involving the use of small irradiation fields, Dixon-Brown A; Hopewell JW, *Br J Radiol* 1988; 61: 261

cavitation and free radical dosimeter for ultrasound, McLean JR; Mortimer AJ, *Ultrasound Med Biol* 1988; 14: 59

cervical cancer: intracavitary dose specification and prescription, Potish RA; Gerbi BJ, *Radiology* 1987; 165: 555

comparison of commercial treatment planning systems when calculating dose under shielding blocks, Tatcher M, *Int J Radiat Oncol Biol Phys* 1986; 12: 1899

conceptus dose from two state-of-the-art CT scanners, Wagner LK; Archer BR; Zeck OF, *Radiology* 1986; 159: 787

detailed study of radiation dose and radiographic technique during chest radiography, Faulkner K; Gordon MDH; Miller J, *Br J Radiol* 1986; 59: 245

direct measurement of dose at depth in breast cancer using lithium fluoride, Dawes PDK; Aird EG; Crawshaw IP, *Clin Radiol* 1988; 39: 301

dose-volume considerations in small field thoracic irradiation, Hamilton CS; Eberl M, *Australas Radiol* 1987; 31: 34

dosimetric aspects of radiolabeled antibodies for tumor therapy, Humm JL, *J Nucl Med* 1986; 27: 1490

dosimetric calculations and measurements of gold plaque ophthalmic irradiators using iridium-192 and iodine-125 seeds, Lutton G; Astrahan MA; Liggett PE; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 167

dosimetric characteristics of a 6 MV photon beam from a linear accelerator with asymmetric collimator jaws, Palta JR; Ayyangar JM; Suntharalingam N, *Int J Radiat Oncol Biol Phys* 1988; 14: 383

dosimetric methods in the optimization of radiotherapy for carcinoma of the uterine cervix, Esche BA; Crook JM; Horiot J-C, *Int J Radiat Oncol Biol Phys* 1987; 13: 1183

dosimetric principles, Cunningham JR, *Radiographics* 1988; 8: 785

dosimetry and treatment planning for ⁹⁰Y-labeled antiferritin in hepatoma, Lechner PK; Yang N-C; Frenkel TL; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1033

dosimetry considerations for a Lipowitz metal tissue compensator system, Henderson SD; Purdy JA; Gerber RL; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1107

dosimetry of CT-guided volumetric IR-192 brain implant, Abrath FG; Henderson SD; Simpson JR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 359

dosimetry of technetium-99m red blood cells labeled in vivo, Ponto JA, *Clin Nucl Med* 1988; 13: 342

dosimetry studies on prototype ²⁴¹Am sources for brachytherapy, Nath R; Gray L, *Int J Radiat Oncol Biol Phys* 1987; 13: 897

given dose, Agard ET, *Radiology* 1988; 169: 581

head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, Prows J; Janjan NA; Gillin MT; Wilson JF, *Radiology* 1988; 169: 831

improved total-body irradiation dosimetry, Doughty D; Lambert GD; Hirst A; et al, *Br J Radiol* 1987; 60: 269

- indium-111-labeled white blood cells: dosimetry in children, Gainey MA; Siegel JA; Smergel EM; et al, *J Nucl Med* 1988; 29: 689
- inoperable adenocarcinoma of endometrium: radiation therapy, Wang M-L; Hussey DH; Vigliotti APG; Benda J; Wen B-C; Doornbos JF; Anderson B, *Radiology* 1987; 165: 561
- iodine-131 thyroid uptake results in travelers returning from Europe after the Chernobyl accident, Castronovo FP Jr, *J Nucl Med* 1987; 28: 535
- malignant melanoma: analysis of dose fractionation in radiation therapy, Kcnefal JB; Emami B; Pilepich MV, *Radiology* 1987; 164: 607
- matchline dosimetry of a three field technique for breast treatment using cobalt or 6 MV x rays, Hunt MA; Kutcher GJ; Martel MK, *Int J Radiat Oncol Biol Phys* 1987; 13: 1099
- miniature radiation dosimeter for *in vivo* radiation measurements, Hughes RC; Huffman D; Snelling JV; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 963
- Monte Carlo and analytic calculation of absorbed dose near ^{137}Cs intracavitary sources, Williamson JF, *Int J Radiat Oncol Biol Phys* 1988; 15: 227
- novel x-ray transmission ionization chamber dosimeter for patient dose measurements in diagnostic radiology, Sankaran A; Patki VS, *Br J Radiol* 1988; 61: 613
- ocular lens dose in cerebral vascular imaging, Casselden PA, *Br J Radiol* 1988; 61: 202
- on the choice of phantom material for the dosimetry of ^{192}Ir sources, Meli JA; Meigooni AS; Nath R, *Int J Radiat Oncol Biol Phys* 1988; 14: 587
- optimal dose distribution for eradication of heterogeneous tumors, Brahme A; Agren A-K, *Acta Oncol* 1987; 26: 377
- posterior spinal cord block: a dosimetric study, Mota HC; Vijayakumar S; Sibata C; Higgins PD; Thomas FJ; Saxton J; Weinstein M, *Radiology* 1988; 168: 859
- principles of the International Commission on Radiological Protection system of dose limitation, Thorne MC, *Br J Radiol* 1987; 60: 32
- quality assurance/physics/dosimetry, Suntharalingam N; Johansson K-A, *Int J Radiat Oncol Biol Phys* 1988; 14: 521
- radiation dose reduction on a portable image intensifier digital storage unit, Fleay RF, *Australas Radiol* 1987; 31: 88
- radiation dosimetry considerations in the treatment of cystic suprasellar neoplasms, McGuire EL; Balachandran S; Boyd CM, *Br J Radiol* 1986; 59: 779
- role of point A in the era of computerized dosimetry, Potish RA; Gerbi BJ, *Radiology* 1986; 158: 827
- spatial distribution of dose in computed tomography with special reference to thin-slice techniques, Moström U; Ytterbergh C, *Acta Radiol* 1987; 28: 771
- statement from the 1987 Como meeting of the International Commission on Radiological Protection, International Commission on Radiological Protection, *Radiology* 1988; 167: 263
- strontium-89 radionuclide therapy: a dosimetric study using impulse response function analysis, Blake GM; Gray JM; Zivanovic MA; et al, *Br J Radiol* 1987; 60: 685
- strontium-89 therapy: strontium kinetics and dosimetry in two patients treated for metastasising osteosarcoma, Blake GM; Zivanovic MA; McEwan AJ; et al, *Br J Radiol* 1987; 60: 253
- template-guided interstitial implants: Cs-137 reusable sources as a substitute for Ir-192, Williamson JF; Seminoff T, *Radiology* 1987; 165: 265
- use of simulator-based computed tomography in iridium-192 dosimetry, Kotre CJ; Lambert GD; Dawes PJDK, *Br J Radiol* 1986; 59: 1035
- Dosimetry, radionuclide**
- absorbed dose from ^{14}C xylose and ^{14}C mannose, Brydon WG; Merrick MV; Hannan J, *Br J Radiol* 1987; 60: 563
- dose distributions of model 6702 I-125 seeds in water, Schell MC; Ling CC; Gromadzki ZC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 795
- dosimetry of iodine-131 Ethiodol in the treatment of hepatoma, Madsen MT; Park CH; Thakur ML, *J Nucl Med* 1988; 29: 1038
- radiation dose calculations in persons receiving injection of samarium-153 EDTMP, Logan KW; Volkert WA; Holmes RA, *J Nucl Med* 1987; 28: 505
- radiation dosimetry of iodine-123 HEAT, an alpha-1 receptor imaging agent, Thomas KD; Greer DM; Couch MW; et al, *J Nucl Med* 1987; 28: 1745
- Down syndrome**
- Alzheimer's disease in Down's syndrome: clinicopathologic studies, (ab), Wisniewski KE; Dalton AJ; McLachlan DRC; et al, *Radiology* 1986; 159: 573
- atlantoaxial distance in patients with Down syndrome: standardization of measurement, Singer SJ; Rubin IL; Strauss KJ, *Radiology* 1987; 164: 871
- atlantoaxial instability in individuals with Down syndrome: epidemiologic, radiographic, and clinical studies, (ab), Poeschel SM; Scola FH, *Radiology* 1988; 168: 296
- atlantooccipital instability in Down syndrome, Rosenbaum DM; Blumhagen JD; King HA, *AJR* 1986; 146: 1269
- changes at the base of skull and cervical spine in Down syndrome, Miller JDR; Capusten BM; Lampard R, *J Canad Assoc Radiol* 1986; 37: 85
- computed tomography of the upper cervical spine in Down syndrome, Miller JDR; Grace MGA; Lampard R, *JCAT* 1986; 10: 589
- congenital pleural effusion in Down's syndrome, Foote KD; Vickers DW, *Br J Radiol* 1986; 59: 609
- Down syndrome: sonographic sign for diagnosis in the second-trimester fetus, Benacerraf BR; Frigoletto FD Jr; Cramer DW, *Radiology* 1987; 163: 811
- posterior atlantooccipital subluxation in Down syndrome, El-Khoury GY; Clark CR; Dietz FR; Harre RG; Tozzi JE; Kathol MH, *Radiology* 1986; 159: 507
- trisomy 21 in newborn infants: chest radiographic diagnosis, Edwards DK; Berry CC; Hilton SVW, *Radiology* 1988; 167: 317
- Doxorubicin**
- cardiac gallium uptake in doxorubicin-induced cardiotoxicity, Hatfield MK; Martin WB; Ryan JW; et al, *Clin Nucl Med* 1986; 11: 756
- intraarterial doxorubicin infusion treatment with and without occlusion of the renal artery in rabbit renal VX-2 carcinoma: establishing an animal model, Gadeholt G; Göthlin JH, *Acta Radiol* 1987; 28: 467
- nuclear magnetic resonance study of high-energy phosphate stores in models of adriamycin cardiotoxicity, Keller AM; Jackson JA; Peshock RM; et al, *Magn Res Med* 1986; 3: 834
- pharmacokinetics of doxorubicin in man with induced acid or alkaline urine, Krarup-Hansen A; Wassermann K; Rasmussen SN; et al, *Acta Oncol* 1988; 27: 25
- radionuclide evaluation of doxorubicin cardiotoxicity: the need for cautious interpretation, Dey HM; Kassamali H, *Clin Nucl Med* 1988; 13: 565
- technetium-99m red blood cell labeling in patients treated with doxorubicin, Ballinger JR; Gerson B; Gulenchyn KY; et al, *Clin Nucl Med* 1988; 13: 169
- Drash syndrome**
- complete and incomplete drash syndrome, (ab), Manivel JC; Sibley RK; Dehner LP, *Radiology* 1987; 164: 292
- MR imaging in Drash syndrome, Boechat MI; Kangaroo H, *JCAT* 1988; 12: 405
- Drowning**
- local cerebral blood flow as assessed by xenon stable computed tomography in child drowning, Hodak JA; Tilden SJ; Johnsen SD; et al, *Pediatr Radiol* 1988; 18: 344
- Drugs**
- abdominal and pelvic CT: use of oral metoclopramide to enhance bowel opacification, Thoeni RF; Filson RG, *Radiology* 1988; 169: 391
- evaluation of plasma clearance by synthesis of continuous infusion: principles and use, Chonacki NJ; Thomas FD, *J Nucl Med* 1986; 27: 1611
- radiographic evaluation of the cocaine smuggler, Beerman R; Nunez D Jr; Wetli CV, *Gastrointest Radiol* 1986; 11: 351
- Drugs, abuse**
- computed tomography of the kidneys in a patient with methoxyflurane abuse, Brennan RP; Pearlstein AE; Miller SA, *JCAT* 1988; 12: 155
- crack lung: pulmonary disease caused by cocaine abuse, (ab), Kissner DG; Lawrence WD; Selis JE; et al, *Radiology* 1988; 167: 291
- hepatic amyloidosis in an IV drug abuser detected by bone scintigraphy, Ferraro EM; Alfioro FR; Lee M; et al, *Clin Nucl Med* 1987; 12: 274
- midline granuloma due to illicit cocaine use, (ab), Becker GD; Hill S, *Radiology* 1988; 169: 590
- nonfatal pulmonary edema after "freebase" cocaine smoking, (ab), Cucco RA; Yoo OH; Cregler L; et al, *Radiology* 1988; 166: 586
- periostitis and osteomyelitis in chronic drug addicts, Taylor CR; Lawson JP, *Skeletal Radiol* 1988; 15: 209
- placental abruption associated with cocaine abuse, Townsend RR; Laing FC; Jeffrey RB Jr, *AJR* 1988; 150: 1339
- pneumomediastinum associated with cocaine abuse: case report and review of the literature, Goldberg REA; Lipuma JP; Cohen AM, *J Thorac Imag* 1987; 2: 88
- pyogenic sacroiliitis in IV drug abusers, Guyot DR; Manoli A II; Kling GA, *AJR* 1987; 149: 1209
- Drugs, effects**
- acute toxic encephalopathy secondary to bromide sedative ingestion, Jenkins JR; Chaleby K, *Neuroradiol* 1987; 29: 212
- adverse reaction to X-Prep, Jagjivan B; Morcos SK; Liddell H, *Br J Radiol* 1988; 61: 853
- common pharmaceuticals alter tissue proton NMR relaxation properties, Karlik SJ, *Magn Res Med* 1986; 3: 181
- CT demonstration of high attenuation pleural-parenchymal lesions due to amiodone therapy, Kuhlman JE; Sclarig JC; Fishman EK; et al, *JCAT* 1987; 11: 160
- driving ability after intravenous fentanyl or diazepam: controlled double-blind study, Stevenson GW; Pathria MN; Lamping DL; et al, *Invest Radiol* 1986; 21: 717
- duration of occupancy of opiate receptors by naltraxone, Lee MC; Wagner HN Jr; Nattada S; et al, *J Nucl Med* 1988; 29: 1207
- effect of antidepressant and narcotic drugs on N-isopropyl p-iodoamphetamine biodistribution in animals, Moretti JL; Holman BL; Delmon L; et al, *J Nucl Med* 1987; 28: 354
- effects of antimalarial drugs on oxygen consumption by erythrocytes infected with *Plasmodium berghei*: ESR study, Butler KW; Deslauniers R; Smith ICP, *Magn Res Med* 1986; 3: 312
- fatal diphenylhydantoin-induced hepatic necrosis: sonographic-pathologic correlation, Fishman MC; Fischer AH; Arger PH; et al, *JCU* 1986; 14: 722
- incompatibilities between contrast media and pharmacologic agents, Fischer HW, *Radiology* 1987; 162: 875
- intravenously administered pentobarbital sodium for sedation in pediatric CT, Strain JD; Harvey LA; Foley LC; Campbell JB, *Radiology* 1986; 161: 105
- medication-induced esophagitis: diagnosis by double-contrast esophagography, Bova JG; Dutton NE; Goldstein HM; et al, *AJR* 1987; 148: 731
- model for the comparison of pharmacologic agents influencing gallbladder contraction, Schlauch D; Gladisch R; Elfrer R; et al, *J Ultrasound Med* 1988; 7: 15
- nonsteroidal anti-inflammatory drugs and gastrointestinal bleeding: a case-control study, (ab), Bartle WR; Gupta AK; Lazor J, *Radiology* 1987; 163: 587
- systemic absorption of gallbladder sclerosing agents in the rabbit: preliminary study, Remley KB; Cumberley DA; Watanabe AS; et al, *Invest Radiol* 1986; 21: 396
- visualization of specific binding sites of benzodiazepine in human brain, Shinotoh H; Yamasaki T; Inoue O; et al, *J Nucl Med* 1986; 27: 1593

Drugs, toxicity

Drugs, toxicity

- acute toxic encephalopathy secondary to bromide sedative ingestion, Jinkins JR; Chaleby K, *Neuroradiol* 1987; 29: 212
- amylase-creatinine clearance ratio: a simple test to predict gentamicin nephrotoxicity, (ab), Aderka D; Tene M; Grafi E; et al, *Radiology* 1988; 169: 288
- cardiac gallium uptake in doxorubicin-induced cardiotoxicity, Hatfield MK; Martin WB; Ryan JW; et al, *Clin Nucl Med* 1986; 11: 756
- computed tomography: pathologic correlation in lung disease due to tocinamide, (ab), Stein MG; Demarco T; Gamsu G; et al, *Radiology* 1988; 168: 884
- cyclosporin-A nephrotoxicity and acute cellular rejection in renal transplant recipients: correlation between radionuclide and histologic findings, Kim EE; Pijra GA; Lowry PA; Verani R; Sandler CM; Flechner SM; Kahan B, *Radiology* 1986; 159: 443
- displaced calcium as a sign of transitional cell carcinoma in analgesic nephropathy, Marrocco FS; Leekam RN; Matzinger MA; et al, *J Canad Assoc Radiol* 1986; 37: 122
- drug-induced pulmonary disease, part 1: cytotoxic drugs, (ab), Cooper JAD Jr; White DA; Matthay RA, *Radiology* 1986; 160: 571
- drug-induced pulmonary disease, part 2: noncytotoxic drugs, (ab), Cooper JAD Jr; White DA; Matthay RA, *Radiology* 1986; 160: 571
- erythromycin hepatotoxicity: rare cause of a false-positive technetium-99m DISIDA study, Swayne LC; Kolc J, *Clin Nucl Med* 1986; 11: 10
- erythromycin-induced hepatitis: simulator of malignancy, Rigauts HD; Selleslag DL; Van Eyken PL; Van Damme BJ; Fevery JM; Marchal GJ, *Radiology* 1988; 169: 661
- fatal diphenylhydantoin-induced hepatic necrosis: sonographic-pathologic correlation, Fishman MC; Fischer AH; Arger PH; et al, *JCU* 1986; 14: 722
- frusemide-induced nephrocalcinosis in very low birth weight infants, Kenney JJ; Aiken CG; Lenney W, *Pediatr Radiol* 1988; 18: 323
- metabolic profiling of body fluids by proton NMR: self-poisoning episodes with paracetamol (acetaminophen), Bales JR; Bell JD; Nicholson JK; et al, *Magn Res Med* 1988; 6: 300
- posttransplantation cyclosporine-induced lymphoproliferative disorders: clinical and radiologic manifestations, Harris KM; Schwartz ML; Slasky BS; Nalesnik M; Makowka L, *Radiology* 1987; 162: 697
- scintigraphic demonstration of hepatocellular damage after verapamil toxicity, Veluolu P; Whalen JP; Collier BD; et al, *Clin Nucl Med* 1988; 13: 368
- toluene embryopathy, (ab), Hersh JH; Podruch PE; Rogers C; et al, *Radiology* 1986; 158: 284
- Dual-energy scanning and subtraction**
See Subtraction, dual-energy
- Ductus arteriosus**
abnormal whole-body technetium-99m MDP scintigraphy indicating cortical hyperostosis following long-term administration of prostaglandin E-1 in an infant with cyanotic congenital heart disease, Edeling C-J; Frederiksen PB, *Clin Nucl Med* 1987; 12: 74
- congenital abnormalities of the aortic arch: MR imaging, Gomes AS; Lois JF; George B; Aplan C; Williams RG, *Radiology* 1987; 165: 691
- current concepts in the management of neonatal ICU patients with pulmonary hypertension and localized barotrauma, Berdon WE, *Radiology* 1986; 158: 493
- ductus arteriosus aneurysm in Marfan syndrome, Müller NL; Mayo J; Culham JAG; et al, *J Canad Assoc Radiol* 1986; 37: 195
- early diagnosis and medical treatment of the persistent ductus arteriosus in infants, Buhlmeier K; Schober JG; Lorenz HP; et al, *Cardiovasc Intervent Radiol* 1986; 9: 273

inadvertent ligation of the left pulmonary artery instead of patent ductus arteriosus: noninvasive diagnosis by pulmonary perfusion imaging, Orzel JA; Monaco MP, *Clin Nucl Med* 1986; 11: 629

transluminal closure of patent ductus arteriosus: long-term results of 208 cases treated without thoracotomy, Wierny L; Plass R; Porstmann W, *Cardiovasc Intervent Radiol* 1986; 9: 279

Duodenal ulcer

See Peptic ulcer

Duodenum

- See also Gastrointestinal tract: Intestines
- duodenal perforation as a delayed complication of placement of a biliary endoprosthesis, Gould J; Train JS; Dan SJ; Mitty HA, *Radiology* 1988; 167: 467
- position and mobility of the duodenum in children, Katz ME; Siegel MJ; Shackelford GD; et al, *AJR* 1987; 148: 947
- Duodenum, abnormalities**
double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubenstein SE; Herlinger H; Laufer I, *Radiology* 1988; 168: 593
- duodenal duplication in the adult: its relationship with pancreatitis, Procacci C; Portuese A; Fugazzola C; et al, *Gastrointest Radiol* 1988; 13: 315
- gastric and duodenal pneumatosis in a child with anular pancreas, Franquet T; Gonzalez A, *Pediatr Radiol* 1987; 17: 262
- prenatal diagnosis of duodenal atresia: does it make any difference?, (ab), Romero R; Ghidini A; Costigan K; et al, *Radiology* 1988; 169: 887
- ultrasonic diagnosis of duodenal diaphragm, Cremin BJ; Solomon DJ, *Pediatr Radiol* 1987; 17: 489
- Duodenum, CT**
case report: CT of a duodenal paraganglioma, Alpern MB; Sandler MA, *Comput Med Imag Graph* 1988; 12: 321
- computed tomography of duodenal hematoma, Hughes JJ; Brogdon BG, *CT* 1986; 10: 231
- duodenal hematoma: CT demonstration of the ring sign, Yoshino MT, *Gastrointest Radiol* 1987; 12: 330
- duodenal neoplasms: role of CT, Farah MC; Jafri SZH; Schwab RE; Mezwa DG; Francis IR; Noujaim S; Kim C, *Radiology* 1987; 162: 839
- ultrasound and CT diagnosis of intramural duodenal hematoma, Hayashi K; Futagawa S; Kozaki S; et al, *Pediatr Radiol* 1988; 18: 167
- Duodenum, diseases**
duodenal manifestations of nontropical sprue, Marn CS; Gore RM; Gahremani GG, *Gastrointest Radiol* 1986; 11: 30
- Duodenum, diverticula**
congenital duodenal diverticula: a report of three cases and a review of the literature, (ab), Abdel-Hafiz AA; Birkett DH; Ahmed MS, *Radiology* 1988; 169: 880
- Duodenum, hemorrhage**
bleeding duodenal varices: diagnosis and treatment by percutaneous portography and transcatheter embolization, Menu Y; Gayet B; Nahum H, *Gastrointest Radiol* 1987; 12: 111
- computed tomography of duodenal hematoma, Hughes JJ; Brogdon BG, *CT* 1986; 10: 231
- computed tomography of obstructive jaundice secondary to duodenal hematoma, Aston JK, *CT* 1986; 10: 171
- duodenal haematoma mimicking traumatic pancreatic pseudocyst, Raby N; Meire H, *Br J Radiol* 1986; 59: 279
- duodenal hematoma: CT demonstration of the ring sign, Yoshino MT, *Gastrointest Radiol* 1987; 12: 330
- duodenal hematoma in child abuse: sonographic detection, Orel SG; Nussbaum AR; Sheth S; et al, *AJR* 1988; 151: 147
- duodenal hematoma: ring sign in MR imaging, Hahn PF; Stark DD; Vici L-G; Ferrucci JT Jr, *Radiology* 1986; 159: 379
- MR imaging of intramural duodenal hematoma, Martin B; Mulopulos GP; Butler HE, *JCAT* 1986; 10: 1042
- resolving duodenal-jejunal hematoma in abused children, Kleinman PK; Brill PW; Winchester P, *Radiology* 1986; 160: 747
- ultrasound and CT diagnosis of intramural duodenal hematoma, Hayashi K; Futagawa S; Kozaki S; et al, *Pediatr Radiol* 1988; 18: 167

Duodenum, MR studies

- duodenal hematoma: ring sign in MR imaging, Hahn PF; Stark DD; Vici L-G; Ferrucci JT Jr, *Radiology* 1986; 159: 379
- MR imaging of intramural duodenal hematoma, Martin B; Mulopulos GP; Butler HE, *JCAT* 1986; 10: 1042

Duodenum, neoplasms

- carcinoma of the hepatopancreatic ampullar region: role of US, Robledo R; Prieto ML; Pérez M; Camúñez F; Echenagusia A, *Radiology* 1988; 166: 409
- cavernous lymphangioma of the duodenum: case report and review of the literature, Davis M; Fenoglio-Preiser C; Haque AK, *Gastrointest Radiol* 1987; 12: 10
- cavitating metastases of the stomach and duodenum, Radin DR; Halls JM, *CT* 1987; 11: 283
- Crohn's disease of the duodenum complicated by adenocarcinoma, Meiselman MS; Gahremani GG; Kaufman MW, *Gastrointest Radiol* 1987; 12: 333
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubenstein SE; Herlinger H; Laufer I, *Radiology* 1988; 168: 593
- duodenal carcinoid tumours, phaeochromocytoma and neurofibromatosis: islet cell tumour, phaeochromocytoma and the Von Hippel-Landau complex: two distinctive neuroendocrine syndromes, (ab), Griffiths DFR; Williams CT; Williams ED, *Radiology* 1988; 167: 586
- duodenal neoplasms: role of CT, Farah MC; Jafri SZH; Schwab RE; Mezwa DG; Francis IR; Noujaim S; Kim C, *Radiology* 1987; 162: 839
- gastric and duodenal polyps in familial adenomatous polyposis: a prospective study of the nature and prevalence of upper gastrointestinal polyps, (ab), Sarre RG; Frost AG; Jagelman DG; et al, *Radiology* 1987; 165: 588
- obstruction of the third portion of the duodenum, Ptaznik J; Jones B; Polga JP, *Australas Radiol* 1986; 30: 19
- sonographic appearance of duodenal lesions, Derchi LE; Ierace T; De Pra L; et al, *J Ultrasound Med* 1986; 5: 269

Duodenum, perforation

- duodenal perforation during intubation for small bowel enema study, Diner WC, *Radiology* 1988; 168: 39
- modified technique for duodenal intubation, Jeffrey RB Jr, *Radiology* 1988; 169: 873

Duodenum, radiography

- base line tenting: sign of duodenal ulcer disease, Lu CC; Murakami J; Barloon T; et al, *Gastrointest Radiol* 1987; 12: 109
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubenstein SE; Herlinger H; Laufer I, *Radiology* 1988; 168: 593
- effect of glucagon-(1-21)-peptide on gastroduodenal motility during upper gastrointestinal examination: randomized trials, Strandberg C; Falkenløve P; Dorph S; et al, *Acta Radiol* 1988; 29: 49
- optimal double-contrast visualization of the posteriorly directed duodenal bulb, Bloom SM; Phillips E; Paul RE Jr, *Radiology* 1986; 161: 549
- single-contrast examination of the duodenum following enteroclysis, Bach DB, *J Canad Assoc Radiol* 1987; 38: 224

Duodenum, stenosis or obstruction

- abdominal aortic aneurysm causing duodenal obstruction, Redmond PL; Price GJ; Nolan DJ, *Clin Radiol* 1987; 38: 513
- diagnostic value of ultrasound in duodenal stenosis, Brams HJ; Spamer C; Volk B; et al, *Gastrointest Radiol* 1986; 11: 135
- duodenal obstruction after repair of abdominal aortic aneurysm, Budorick NE; Love L, *Radiology* 1988; 169: 421
- neonatal duodenum: fluid-aided US examination, Cohen HL; Haller JO; Mestel AL; Coren C; Schechter S; Eaton DH, *Radiology* 1987; 164: 805
- obstruction of the third portion of the duodenum, Ptaznik J; Jones B; Polga JP, *Australas Radiol* 1986; 30: 19

Duodenum, US studies

- diagnostic value of ultrasound in duodenal stenosis, Brams HJ; Spamer C; Volk B; et al, *Gastrointest Radiol* 1986; 11: 135

sonographic appearance of duodenal lesions, Derchi LE, Ierace T, De Pra L, et al, *J Ultrasound Med* 1986; 5: 269

ultrasonic diagnosis of duodenal diaphragm, Cremin BJ, Solomon DJ, *Pediatr Radiol* 1987; 17: 489

ultrasound and CT diagnosis of intramural duodenal hematoma, Hayashi K, Futagawa S, Kozaki S, et al, *Pediatr Radiol* 1988; 18: 167

Dural sinus

See Sinus, dural

Dwarfism

See Bones, osteochondrodysplasias

Dysphagia

See Deglutition disorders

E

Ear

central auditory function in Alzheimer's disease, (ab), Grimes AM, Grady CL, Foster NL, et al, *Radiology* 1986; 158: 572

potential hearing loss resulting from MR imaging, Brummett RE, Talbot JM, Charuhas P, *Radiology* 1988; 169: 539

Ear, abnormalities

correlation between high-resolution computed tomography and surgical findings in congenital aural atresia, (ab), Mehra YN, Dubey SP, Mann SBS, et al, *Radiology* 1988; 169: 591

dural ectasia as a cause of widening of the internal auditory canals in neurofibromatosis, Egelhoff JC, Ball WS Jr, Towbin RB, et al, *Pediatr Radiol* 1987; 17: 7

normal and diseased acoustic pathway: evaluation with MR imaging, Armington WG, Harnsberger HR, Smoker WRK, Osborn AG, *Radiology* 1988; 167: 509

oculo-auditory-vertebral dysplasia: case report, Orziccolo C, Corcione S, Bighi S, et al, *Pediatr Radiol* 1987; 17: 330

ossicular erosions in the dry ear: CT diagnosis, Swartz JD, Berger AS, Zwillenberg S, Popky GL, *Radiology* 1987; 163: 763

Ear, anatomy

anatomic variations of the human cochlear aqueduct: radioanatomic investigation, Muren C, Wilbrand H, *Acta Radiol* 1986; 27: 11

chronic otomastoiditis: conceptual understanding of CT findings, Mafee MF, Aimi K, Kahen HL, Valvassori GE, Capek V, *Radiology* 1986; 160: 193

Ear, CT

chronic otomastoiditis: conceptual understanding of CT findings, Mafee MF, Aimi K, Kahen HL, Valvassori GE, Capek V, *Radiology* 1986; 160: 193

cochlear implant candidates: assessment with CT and MR imaging, Harnsberger HR, Dart DJ, Parkin JL, Smoker WRK, Osborn AG, *Radiology* 1987; 164: 53

complicated cholesteatomas: CT findings in inner ear complications of middle ear cholesteatomas, Silver AJ, Janacka I, Wazen J, Hilal SK, Rutledge JN, *Radiology* 1987; 164: 47

computed tomography of single-channel cochlear implants, Ball JB Jr, Miller GW, Hepfner ST, *AJNR* 1986; 7: 41

computed tomography of the ossicles, (ab), Chakres DW, Weider DJ, *Radiology* 1986; 158: 860

computerized tomographic evaluation of the middle ear and mastoid for posttraumatic hearing loss, (ab), Swartz JD, Swartz NG, Korsvik H, et al, *Radiology* 1986; 159: 287

correlation between high-resolution computed tomography and surgical findings in congenital aural atresia, (ab), Mehra YN, Dubey SP, Mann SBS, et al, *Radiology* 1988; 169: 591

CT in diagnosis of acoustic neuromas, Wu E-h, Tang Y-s, Zhang Y-t, et al, *AJNR* 1986; 7: 645

glomus tympanicum chemodectomas: radiographic and clinical characteristics, Larson TC III, Reese DF, Baker HL Jr, McDonald TJ, *Radiology* 1987; 163: 801

morbidity of CT air meatography: a follow-up of 84 patients, Greenberger R, Khangure MS, Chakera TMH, *Clin Radiol* 1987; 38: 535

ossicular erosions in the dry ear: CT diagnosis, Swartz JD, Berger AS, Zwillenberg S, Popky GL, *Radiology* 1987; 163: 763

stapes prosthesis: evaluation with CT, Swartz JD, Lansman AK, Berger AS, Wolfson RJ, Bell G, Popky GL, Swartz NG, *Radiology* 1986; 158: 179

synthetic ossicular replacements: normal and abnormal CT appearance, Swartz JD, Berger AS, Zwillenberg S, Granoff DW, Popky GL, *Radiology* 1987; 163: 766

Ear, diseases

complicated cholesteatomas: CT findings in inner ear complications of middle ear cholesteatomas, Silver AJ, Janacka I, Wazen J, Hilal SK, Rutledge JN, *Radiology* 1987; 164: 47

petrified auricle: comments on ossification, calcification and exostoses of the external ear, (ab), DiBartolomeo JR, *Radiology* 1986; 159: 287

vestibular and auditory function in Usher's syndrome, (ab), Kumar A, Fishman C, Torok N, *Radiology* 1986; 158: 286

Ear, inflammation and infection

chronic ear discharge in an elderly diabetic man, Fiwica-Worms D, Forman A, Tumeh SS, *Invest Radiol* 1986; 21: 584

ossicular erosions in the dry ear: CT diagnosis, Swartz JD, Berger AS, Zwillenberg S, Popky GL, *Radiology* 1987; 163: 763

value of gallium-67 SPECT in a patient with "malignant" otitis externa, Behjati K, Boyd CM, Balachandran S, et al, *Clin Nucl Med* 1987; 12: 229

Ear, injuries

computerized tomographic evaluation of the middle ear and mastoid for posttraumatic hearing loss, (ab), Swartz JD, Swartz NG, Korsvik H, et al, *Radiology* 1986; 159: 287

tin ear syndrome: rotational acceleration in pediatric head injuries, (ab), Hanigan WC, Peterson RA, Njus G, *Radiology* 1988; 167: 888

Ear, MR studies

acoustic neuromas: Gd-DTPA enhancement in MR imaging, Curati WL, Graif M, Kingsley DPE, Niendorf HP, Young IR, *Radiology* 1986; 158: 447

cochlear implant candidates: assessment with CT and MR imaging, Harnsberger HR, Dart DJ, Parkin JL, Smoker WRK, Osborn AG, *Radiology* 1987; 164: 53

magnetic resonance imaging of acoustic neuromas: the role of gadolinium-DTPA, Stack JP, Ramsden RT, Antoun NM, et al, *Br J Radiol* 1988; 61: 800

MR detection of tumor in the internal auditory canal, Daniels DL, Millen SJ, Meyer GA, et al, *AJNR* 1987; 8: 249

MR diagnosis of acoustic neuromas, Mikhael MA, Ciric IS, Wolff AP, *JCAT* 1987; 11: 232

MRI in acoustic neuroma: review of 35 patients, Curati WL, Graif M, Kingsley DPE, et al, *Neuroradiol* 1986; 28: 208

MR imaging of cerebellopontine angle and internal auditory canal lesions at 1.5 T, Press GA, Hesselink JR, *AJNR* 1988; 9: 241

MR of the normal and abnormal internal auditory canal, Valvassori GE, Morales FG, Palacios E, et al, *AJNR* 1988; 9: 115

normal and diseased acoustic pathway: evaluation with MR imaging, Armington WG, Harnsberger HR, Smoker WRK, Osborn AG, *Radiology* 1988; 167: 509

optimizing MR imaging for detecting small tumors in the cerebellopontine angle and internal auditory canal, Enzmann DR, O'Donohue J, *AJNR* 1987; 8: 99

"truncation" artifact in MR images of the internal auditory canal, Daniels DL, Czervionke LF, Breger RK, et al, *AJNR* 1987; 8: 793

Ear, neoplasms

acoustic neuroma and posterior fossa meningioma: clinical and CT radiologic findings, Catz A, Reider-Groszasser I, *Neuroradiol* 1986; 28: 47

acoustic neuromas in children, Hernandez-Schulman M, Welch K, Strand R, et al, *AJNR* 1986; 7: 519

case report: acoustic neuroma presenting as a cyst with fluid level, Patel PJ, Kolawole TM, *CT* 1987; 11: 383

CT in diagnosis of acoustic neuromas, Wu E-h, Tang Y-s, Zhang Y-t, et al, *AJNR* 1986; 7: 645

glomus tympanicum chemodectomas: radiographic and clinical characteristics, Larson TC III, Reese DF, Baker HL Jr, McDonald TJ, *Radiology* 1987; 163: 801

indium-111 labeled leukocyte imaging in the diagnosis and follow-up of malignant otitis externa, Mehr SH, Franze I, Faulk RM, et al, *Clin Nucl Med* 1988; 13: 212

magnetic resonance imaging of acoustic neuromas: the role of gadolinium-DTPA, Stack JP, Ramsden RT, Antoun NM, et al, *Br J Radiol* 1988; 61: 800

MR detection of tumor in the internal auditory canal, Daniels DL, Millen SJ, Meyer GA, et al, *AJNR* 1987; 8: 249

MR diagnosis of acoustic neuromas, Mikhael MA, Ciric IS, Wolff AP, *JCAT* 1987; 11: 232

MRI in acoustic neuroma: review of 35 patients, Curati WL, Graif M, Kingsley DPE, et al, *Neuroradiol* 1986; 28: 208

normal and diseased acoustic pathway: evaluation with MR imaging, Armington WG, Harnsberger HR, Smoker WRK, Osborn AG, *Radiology* 1988; 167: 509

optimizing MR imaging for detecting small tumors in the cerebellopontine angle and internal auditory canal, Enzmann DR, O'Donohue J, *AJNR* 1987; 8: 99

postoperative CT findings in acoustic neuromas operated upon by a translabyrinthine approach, Larsson E-M, Cronqvist S, Sundhag G, et al, *Neuroradiol* 1986; 28: 199

radiation therapy for carcinoma of the pinna using iridium 192 wires: series of 70 patients, Mazeron J-J, Ghalie R, Zeller J, et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1757

systematic approach to the surgical management of acoustic neuroma, (ab), Glascock ME, Kveton JF, Jackson CG, et al, *Radiology* 1987; 164: 887

volume growth rate of acoustic neuromas, Laasonen EM, Troupp H, *Neuroradiol* 1986; 28: 203

Ear, prostheses

stapes prosthesis: evaluation with CT, Swartz JD, Lansman AK, Berger AS, Wolfson RJ, Bell G, Popky GL, Swartz NG, *Radiology* 1986; 158: 179

synthetic ossicular replacements: normal and abnormal CT appearance, Swartz JD, Berger AS, Zwillenberg S, Granoff DW, Popky GL, *Radiology* 1987; 163: 766

Ear, surgery

stapes prosthesis: evaluation with CT, Swartz JD, Lansman AK, Berger AS, Wolfson RJ, Bell G, Popky GL, Swartz NG, *Radiology* 1986; 158: 179

synthetic ossicular replacements: normal and abnormal CT appearance, Swartz JD, Berger AS, Zwillenberg S, Granoff DW, Popky GL, *Radiology* 1987; 163: 766

Ear, tomography

measurements of internal auditory meatus by polytomography. 1. normal subjects, Kobayashi H, Zusho H, *Br J Radiol* 1987; 60: 209

Ear, US studies

prenatal sonographic visualization of the inner ear, Isaacson G, Mintz MC, *J Ultrasound Med* 1986; 5: 409

use of amplitude-modulated focused ultrasound for diagnosis of hearing disorders, Tsirlunikov EM, Vartanyan IA, Gersuni GV, et al, *Ultrasound Med Biol* 1988; 14: 277

Ebstein anomaly

See Tricuspid valve

Echinococcosis

See also Parasites

abdominal hydatid disease: US findings during medical treatment, Bezzi M, Teggi A, De Rosa F, Capozzi A, Tucci G, Bonifacio A, Angelini L, *Radiology* 1987; 162: 91

acute intrahepatic biliary obstruction caused by hydatid cysts: correlation between various imaging techniques, Bahar RH, Al-Mohammadi S, Wafai I, et al, *Clin Nucl Med* 1988; 13: 334

computed tomography of pulmonary hydatid disease, Saksouk FA, Fahf MH, Rizk GK, *JCAT* 1986; 10: 226

- CT characterization of multivesicular hydatid cysts, Kalovidouris A, Pissiotis C, Pontifex G; et al, *JCAT* 1986; 10: 428
- CT values in orbital hydatid cyst, Khalili AH, *Comput Radiol* 1987; 11: 193
- diagnostic value of ultrasonography in hydatid disease in abdomen and chest, Pant CS; Gupta RK, *Acta Radiol* 1987; 28: 743
- echinococcal matrix: computed tomographic, sonographic, and pathologic correlation, Lewall DB; Bailey TM; McCorkell SJ, *J Ultrasound Med* 1986; 5: 33
- echogenic forms of hydatid cysts: sonographic diagnosis, Garcia FJ; Marti-Bonmati L; Mehro F; et al, *JCU* 1988; 16: 305
- hepatic echinococcal cyst: successful percutaneous drainage, Morris DL, *Radiology* 1986; 159: 567
- hepatic echinococcal cyst: successful percutaneous drainage: reply, Mueller PR, *Radiology* 1986; 159: 567
- hydatid disease of the pelvis, Clements R; Bowyer FM, *Clin Radiol* 1986; 37: 375
- magnetic resonant imaging in hydatid disease, Morris DL; Buckley J; Gregson R; et al, *Clin Radiol* 1987; 38: 141
- multiple intracranial hydatid cysts, Gordillo I; Millan JM; Escudero L; et al, *Neuroradiol* 1986; 28: 285
- noncystic appearance of intraperitoneal *Echinococcus* on ultrasonic examination, Davies RP; Kennedy G; Chatterton BE, *JCU* 1986; 14: 55
- pelvic hydatid disease presenting as acute urinary retention, Ptasznik R; Hennessy OF, *Br J Radiol* 1988; 61: 164
- percutaneous aspiration and drainage of hydatid cysts in the liver, Bret PM; Fond A; Bretagnolle M; Valette PJ; Thiesse P; Lambert R; Labadie M, *Radiology* 1988; 168: 617
- primary hydatid disease of the pancreas, Missas S; Gouliamos A; Kourias E; et al, *Gastrointest Radiol* 1987; 12: 37
- radiological changes under effect of mebendazole on univesicular hydatid cysts in the liver and lung, Bekhti A; Nizet M, *Eur J Radiol* 1986; 6: 156
- rupture of echinococcal cysts: diagnosis, classification, and clinical implications, Lewall DB; McCorkell SJ, *AJR* 1986; 146: 391
- spinal involvement in alveolar echinococcosis: assessment of two cases, Claudon M; Bracard S; Plenat F; Regent D; Bernadac P; Picard L, *Radiology* 1987; 162: 571
- surgery for thoracic hydatid disease: a North American experience, (ab), Novick RJ; Tchervenkov CI; Wilson JA; et al, *Radiology* 1987; 165: 882
- ultrasound diagnosis of ruptured hydatid cyst of the liver with biliary obstruction, Camunez F; Simo G; Robledo R; et al, *Gastrointest Radiol* 1986; 11: 330
- ultrasound scanning as a screening technique for hydatidosis in developing countries, Saint Martin GA; Larrieu E; Chiesa JC; et al, *JCU* 1988; 16: 233
- water lily sign in CT of cerebral hydatid disease: a case report, Gomori JM; Cohen D; Eyd A; et al, *Neuroradiol* 1988; 30: 358
- Echocardiography**
See Heart, US studies
- Economics, medical**
advances in imaging technology and their impact on medicine: Mackenzie Davidson Memorial Lecture, April 1986, Margulis AR; Shea WJ Jr, *Br J Radiol* 1986; 59: 309
- calculation of internal costs in a department of diagnostic radiology, Geitung JT; Göthlin JH; Uhde A; et al, *Eur J Radiol* 1988; 8: 181
- comparison of the cost of various treatment methods for early cancer of the prostate, Hanks GE; Dunlap K, *Int J Radiat Oncol Biol Phys* 1986; 12: 1879
- contrast medium—induced adverse reactions: economic outcome, Powe NR; Steinberg EP; Erickson JE; Moore RD; Smith CR; White RI Jr; Brinker JA; Fishman EK; Zinreich SJ; Kinnison ML; Anderson GF, *Radiology* 1988; 169: 163
- cost effectiveness of chest CT in T1NOMO lung cancer, Black WC; Armstrong P; Daniel TM, *Radiology* 1988; 167: 373
- economic impact of low-osmolality contrast agents on radiology procedures and departments, Evens RG, *Radiology* 1987; 162: 267
- how the NIH processes a grant application: implications for radiology, Bragg DG, *Invest Radiol* 1987; 22: 66
- importance of economics in academic radiology (or 'money talks'), Evens RG, *Invest Radiol* 1988; 23: 227
- induced costs of low-cost screening mammography, Cyriak D, *Radiology* 1988; 168: 661
- issues for negotiation by prospective chairmen of academic radiology departments, Levin DC, *Invest Radiol* 1988; 23: 400
- low-osmolality contrast media: good news or bad?, Evens RG, *Radiology* 1988; 169: 277
- medical and economic considerations in using a new contrast medium, (ab), Fischer HW; Spataro RF; Rosenberg PM, *Radiology* 1987; 162: 592
- Medicare amendments change teaching hospital reimbursement, Linton OW, *Radiology* 1986; 161: 567
- preparing a grant proposal, Adelstein SJ, *Invest Radiol* 1987; 22: 250
- second-screening mammography: one versus two views per breast, Ikeda DM; Sickles EA, *Radiology* 1988; 168: 651
- Editorials**
See also Opinions
about articles of judgment, Margulis AR, *Radiology* 1988; 169: 576
- abstracts of current literature, Siegelman SS, *Radiology* 1987; 162: 584
- advice to authors, Siegelman SS, *Radiology* 1988; 166: 278
- AIDS awareness in the conduct of radiologic procedures: guidelines to safe practice, Heller KM; Horev G; Kirchner SG; Schaffner W, *Radiology* 1988; 166: 563
- alternative approaches to receiver operating characteristic analyses, Hanley JA, *Radiology* 1988; 168: 568
- antibiotics for radiologic interventional procedures, Hunter DW; Simmons RL; Hulbert JC, *Radiology* 1988; 166: 572
- appropriate use of ultrasound in early pregnancy, Filly RA, *Radiology* 1988; 166: 274
- art and some practical aspects of abstract writing, Redman HC, *Radiology* 1986; 158: 270
- assessment of impotence with cavernosography, Friedenberg RM, *Radiology* 1988; 161: 842
- automated registration of multimodality images, Vannier MW; Gayou DE, *Radiology* 1988; 169: 860
- award winning scientific exhibits—1985, Tuddenham WJ, *Radiographics* 1986; 6: 151
- award winning Scientific Exhibits—1986, Tuddenham WJ, *Radiographics* 1987; 7: 239
- balance between creativity and anatomic correlation in image interpretation, Drayer BP, *Radiology* 1988; 168: 214
- can the newer interventional procedures replace cholecystectomy for cholecystolithiasis? the potential role of percutaneous cystic duct ablation, Becker GJ; Kopecky KK, *Radiology* 1988; 167: 275
- considerations in the choice of contrast media for MR imaging, Brasch RC; Bennett HF, *Radiology* 1988; 166: 897
- cow's milk protein/soy protein allergy: gastrointestinal imaging, Taylor GA, *Radiology* 1988; 167: 866
- danger ahead?, Fischer HW, *Radiology* 1988; 169: 267
- deep venous thrombosis: is contrast venography still the diagnostic "gold standard"? Redman HC, *Radiology* 1988; 168: 277
- editor's page, Tuddenham WJ, *Radiographics* 1986; 6: 751
- editor's page, Tuddenham WJ, *Radiographics* 1986; 6: 951
- editor's page, Tuddenham WJ, *Radiographics* 1987; 7: 410
- editor's page, Tuddenham WJ, *Radiographics* 1987; 7: 622
- editor's page, Tuddenham WJ, *Radiographics* 1987; 7: 1057
- editor's page, Tuddenham WJ, *Radiographics* 1988; 8: 204
- editor's page, Tuddenham WJ, *Radiographics* 1988; 8: 613
- editor's page, Tuddenham WJ, *Radiographics* 1988; 8: 1037
- editor's page: 72nd Scientific Assembly and Annual Meeting of the RSNA, Tuddenham WJ, *Radiographics* 1987; 7: 5
- editor's page: a new record!, Siegelman SS, *Radiology* 1988; 167: 110
- editor's page: guidelines for authors: how to check and mark galleys, Lang DB, *Radiology* 1988; 168: 62
- editor's page: how intransigent can one be?, Tuddenham WJ, *Radiographics* 1986; 6: 349
- editor's page: how to avoid a pitfall, Tuddenham WJ, *Radiographics* 1987; 7: 840
- editor's page: ... in defense of opacity, Tuddenham WJ, *Radiographics* 1986; 6: 171
- editor's page: on comparative descriptors, Tuddenham WJ, *Radiographics* 1988; 8: 375
- editor's page: on growth, Stewart DA, *Radiology* 1988; 167: 742
- editor's page: on the selection of articles for publication in *Radiographics*, Tuddenham WJ, *Radiographics* 1986; 6: 533
- editor's page: serpentine vs. serpiginous, Tuddenham WJ, *Radiographics* 1988; 8: 847
- editor's page: tabula rasa, Siegelman SS, *Radiology* 1988; 167: 414
- editor's page: the 71st scientific assembly and annual meeting, Tuddenham WJ, *Radiographics* 1986; 6: 3
- editor's page: the 73rd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Tuddenham WJ, *Radiographics* 1988; 8: 5
- editor's page: the cat's meow: the most frequently cited papers in *Radiology* 1955–1986, Siegelman SS, *Radiology* 1988; 168: 414
- editor's page: the Christmas rush: an analysis of RSNA meeting papers, Curt TL, Siegelman SS, *Radiology* 1988; 169: 86
- editor's page: the paper route, Siegelman SS, *Radiology* 1988; 168: 632
- editor's page: the rival editors, Siegelman SS, *Radiology* 1988; 166: 784
- editor's page: "... you may already have won ...", Tuddenham WJ, *Radiographics* 1987; 7: 204
- Editor's Recognition Awards, Siegelman SS, *Radiology* 1987; 162: 269
- efficacy lesson for medical radiologists from our dental colleagues, Evens RG, *Radiology* 1987; 162: 873
- establishing efficacy through consensus conferences, Doppman JL, *Radiology* 1986; 161: 566
- feeding tubes that pierce the lung: a case study in risk prevention and quality assurance, Wheeler PS, *Radiology* 1987; 165: 861
- ferrite particles as an MR contrast agent, Saint S; Ferrucci JT, *Radiology* 1988; 169: 656
- fetal hydrocephalus: diagnosis and significance, Benacerraf BR, *Radiology* 1988; 169: 858
- focal hepatic mass screening: MR imaging or CT scanning?, Bernardino ME, *Radiology* 1987; 162: 282
- guidelines for reviewers of *Radiology*, Siegelman SS, *Radiology* 1988; 166: 360
- imaging prostate carcinoma, Hricak H, *Radiology* 1988; 169: 569
- incompatibilities between contrast media and pharmacologic agents, Fischer HW, *Radiology* 1987; 162: 875
- interventional radiology: challenges and initiatives, Becker GJ, *Radiology* 1986; 161: 562
- interventional radiology: we can't have it both ways, White RI Jr, *Radiology* 1986; 161: 565
- James J. McCort, MD, President, Radiological Society of North America, 1986, Pendergrass HP, *Radiology* 1986; 158: 272
- long-term follow-up of the upper urinary tract for transitional cell carcinoma: how much is enough?, Pollack HM, *Radiology* 1988; 167: 871
- low-osmolality contrast media: good news or bad?, Evens RG, *Radiology* 1988; 169: 277
- mammography in the diagnosis of in situ breast carcinoma, Hall FM, *Radiology* 1988; 168: 279
- mammography screening and the self-referred woman, Sickles EA, *Radiology* 1988; 166: 271
- manuscript processing at the RSNA publications office, Arnold RE, *Radiology* 1986; 158: 267

- MR imaging in renal cell carcinoma, Choyke PL, Radiology 1988; 169: 572
- MR imaging of medullary bone, Ehm RL, Radiology 1988; 167: 867
- new challenge to radiologists, Levin DC, Radiology 1988; 169: 855
- note of thanks, McCort JJ; Siegelman SS, Radiology 1988; 161: 845
- note of thanks, Jones MD; Siegelman SS, Radiology 1988; 169: 866
- ocular MR imaging, Zimmerman RA; Bilaniuk LT, Radiology 1988; 168: 875
- opportunity ahead, Arenson RL, Radiology 1988; 169: 267
- Palmaz stent: a possible technique for prevention of postangioplasty restenosis, Levin DC, Radiology 1988; 168: 873
- passionate man plays his part: neuroimaging and multiple sclerosis, Gebarski SS, Radiology 1988; 169: 275
- percutaneous transluminal angioplasty below the knee: new techniques, excellent results, Casarella WJ, Radiology 1988; 169: 271
- predictive value, sensitivity, and specificity in breast cancer screening, Moskowitz M, Radiology 1988; 167: 576
- productivity standards for technologists: how to use them, Janower ML, Radiology 1988; 166: 276
- prudent approach to Doppler US, Taylor KJW, Radiology 1987; 165: 283
- Radiological Society of North America, 73rd scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Buenger RE, Radiology 1987; 164: 581
- Radiological Society of North America, seventy-second scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, McCort JJ, Radiology 1986; 160: 565
- Radiology 1986, Siegelman SS, Radiology 1986; 158: 265
- receptor localization and quantification with PET, Frost JJ, Radiology 1988; 169: 273
- revised glossary of MR terms, Axel L, Radiology 1987; 162: 874
- Richard E. Buenger, MD, President, Radiological Society of North America, 1987, Huckman MS, Radiology 1986; 161: 843
- Robert E. Campbell, MD, President, Radiological Society of North America, 1989, Harle TS, Radiology 1988; 169: 871
- role of MR imaging in staging of cervical carcinoma, Lee JKT, Radiology 1988; 166: 895
- RSNA international visiting professor, Cockshott WP, Radiology 1988; 166: 900
- RSNA today, Jones MD; Heitzman ER, Radiology 1988; 161: 276
- scientific exhibits: the great communicator, Earnest F IV, Radiographics 1986; 6: 319
- search committee for an editor, Houser OW, Radiographics 1988; 8: 615
- search committee for an editor for Radiographics, Houser OW, Radiology 1988; 168: 578
- second Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Hartman DS, Radiology 1986; 160: 277
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging: a modest proposal with tremendous potential, Dixon WT, Radiology 1988; 168: 566
- socioeconomic and ethical issues in medicine: toward understanding and dialogue, Heitzman ER; Buenger RE, Radiology 1986; 159: 282
- summary of editor's advice to authors, Siegelman SS, Radiology 1988; 166: 96
- superparamagnetic iron oxide particles, Gore JC; Majumdar S, Radiology 1988; 169: 657
- systems components for consideration in purchasing an NMR imager, Droegge RT; Ekstrand KE; Coffey CW II, Radiographics 1986; 6: 154
- third Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, Radiology 1988; 166: 576
- transrectal US of the prostate: is the technology leading the science?, McClennan BL, Radiology 1988; 168: 571
- ultrasound: the stethoscope of the future, alas, Filly RA, Radiology 1988; 167: 400
- use of antibiotics in interventional radiologic procedures: an important lesson still to be learned, van Waas PFGM; Simoons-Smit IM, Radiology 1988; 166: 570
- use of CT in the examination of asbestos-exposed persons, McCloud TC, Radiology 1988; 169: 862
- validity of dual-photon absorptiometry, Gluer C-C; Steiger P; Genant HK, Radiology 1988; 166: 574
- venous air embolism on contrast-enhanced CT: chimera or Trojan horse?, Bettmann MA, Radiology 1988; 167: 571
- villous adenomas: the scientific and the practical, Rubesin SE; Levine MS; Laufer I; Herlinger H, Radiology 1988; 167: 869
- what is a useful adjunct to mammography?, Kopans DB, Radiology 1986; 161: 560
- when should GRASS be used?, Bradley WG, Radiology 1988; 169: 574
- whither the Wada?, Miller DL; Fedio P, Radiology 1988; 168: 871
- whole-body MR imaging and spectroscopy at 4 T: where do we go from here?, Ortendahl DA, Radiology 1988; 169: 864
- who should blow up balloons in arteries, Williams GM, Radiology 1988; 169: 857
- women in radiology, Evens RG, Radiology 1987; 164: 282
- Education**
- 1986 Association of Residents in Radiation Oncology survey, Meredith RF; Eisert DR, Int J Radiat Oncol Biol Phys 1987; 13: 1893
- academic urology: the future, Hartman GW; McClennan BL; Pfister RC, Radiology 1986; 158: 559
- accreditation of graduate medical education in radiology: historic perspectives, Pendergrass HP; Brady LW Jr; Weinlander JR, Invest Radiol 1986; 21: 812
- advice to authors, Siegelman SS, Radiology 1988; 166: 278
- alumni perceptions of adequacy of training in diagnostic radiology, Rubin SA; Meier RS; Schreiber MH, Invest Radiol 1986; 21: 492
- are we taught how to use a radiology department as medical students?, Cozens NJA, Clin Radiol 1987; 38: 137
- case for a clinical year prior to radiology residency, Ravin CE, Invest Radiol 1986; 21: 287
- categorical course curriculum for radiology residencies, Grabowski WS; Redd RA; Cunningham BE; et al, Invest Radiol 1988; 23: 312
- comparison of lecture and case presentation formats for teaching radiology to residents, Smith WL; Berbaum K; Franken EA Jr; et al, Invest Radiol 1986; 21: 285
- computer-aided instructional module for radiological physics, Starkschall G; Riggs JD; Lowther JR II, Int J Radiat Oncol Biol Phys 1986; 12: 421
- computer-assisted scheduling of radiology resident call, Larson TC III; Larson SL; Harle TS, Invest Radiol 1986; 21: 424
- computer-generated examinations for residents in radiology, Crass JR, AJR 1986; 146: 413
- constructing pre- and post-tests in a medical student elective, Blane CE; Calhoun JG; Vydereny KH, Invest Radiol 1986; 21: 743
- current state of residency and fellowship training programs in pulmonary and cardiac radiology, Steiner NM; Rockoff SD; Stitik FP; et al, AJR 1987; 148: 1081
- curriculum topics in radiology education, Smith WL; Kathol M; Franken EA Jr; et al, Invest Radiol 1987; 22: 521
- disposition of the resident unsuited for the discipline of diagnostic radiology, Heller RM; Chapman JE; Dike DH; et al, Invest Radiol 1987; 22: 427
- educational objectives for diagnostic radiology residency training, Howland WJ; Marier D; Bosshart D, Invest Radiol 1986; 21: 932
- experience with an alternative curriculum, Sullivan DC; Efrmann EL; Chen JT, Invest Radiol 1987; 22: 246
- fifth year undergraduate radiology teaching programme at the Queen Elizabeth Hospital, Albertyn LE; Davies GT; Newble DI; et al, Australas Radiol 1987; 31: 232
- guidelines for writing multiple-choice questions in radiology courses, Vydereny KH; Blane CE; Calhoun JG, Invest Radiol 1986; 21: 871
- incorporating radiology technologists into the faculty of medical student clerkships in radiology: the technical aspects workshop, Bluth EI, Invest Radiol 1987; 22: 343
- issues for negotiation by prospective chairmen of academic radiology departments, Levin DC, Invest Radiol 1988; 23: 400
- journal publications in radiology education: a review of the literature, 1964-1986, Calhoun JG; Vydereny KH; Ten Haken JD; et al, Invest Radiol 1988; 23: 62
- medical student education: practical approach to radiology, Pope TL Jr, Invest Radiol 1986; 21: 592
- microcomputer-assisted residency data management, Charleita DA, Invest Radiol 1988; 23: 224
- postgraduate training in radiation oncology in the United States, 1986, Cox JD; Flynn DF; Pittman DD; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1383
- proposal regarding post-residency education in radiology subspecialties, Invest Radiol 1986; 21: 935
- radiologic-pathologic-clinical correlation in mechanisms of disease course, Oldham SA; Jacobson F, Invest Radiol 1986; 21: 365
- radiology residency training programs: current status, Dunnick NK, Radiology 1988; 169: 549
- report of AAMC task force on residency transition, James AE Jr, Invest Radiol 1987; 22: 613
- residencies in diagnostic radiology and perception of residents: 1987 ACR survey, Getz TA; Evens RG, Invest Radiol 1988; 23: 308
- resident performance evaluation, Cuttino JT Jr; Scatliff JH, Invest Radiol 1987; 22: 986
- resident perspective on the radiology residency: critical incident technique, Tarico VS; Altmaier EM; Smith WL; et al, Invest Radiol 1986; 21: 877
- results of the RSNA Today subscriber survey, Curto TL, Radiology 1988; 168: 870
- RSNA international visiting professor, Cockshott WP, Radiology 1988; 166: 900
- RSNA today, Jones MD; Heitzman ER, Radiology 1986; 161: 276
- search committee for an editor for Radiographics, Houser OW, Radiology 1988; 168: 578
- status of osteoradiology fellowship training in the United States, Resnick D; Sartoris DJ, AJR 1987; 149: 973
- teaching file program for use in an ultrasound department, Garra BS; Kurtz D; Shawker TH; et al, J Ultrasound Med 1986; 5: 313
- teaching with computers, Arenson RL, Radiol Clin North Am 1986; 24: 97
- tentative diagnoses facilitate the detection of diverse lesions in chest radiographs, Berbaum KS; Franken EA Jr; Dorfman DD; et al, Invest Radiol 1986; 21: 532
- testing as a teaching tool, Curtis DJ; Riordan DD; Brower AC; et al, Invest Radiol 1988; 23: 151
- training programs for researchers using animals, Simmonds RC, Invest Radiol 1987; 22: 756
- undergraduate training in radiology, Bloomfield JA, Australas Radiol 1987; 31: 14
- uniform acceptance date for resident recruitment, Cuttino JT Jr; Scatliff JH, Invest Radiol 1986; 21: 170
- Efficacy study**
- assessment of radiologic tests: control of bias and other design considerations, Begg CB; McNeil BJ, Radiology 1988; 167: 565
- preoperative chest radiography, Mann H, Radiology 1988; 167: 282
- preoperative chest radiography: reply, Mendelson DS; Rabinowitz JG, Radiology 1988; 167: 282
- preoperative chest radiography: value as a baseline examination for comparison, Mendelson DS; Khilnani N; Wagner LD; Rabinowitz JG, Radiology 1987; 165: 341
- radiographic efficacy in gastric ulcer: comparison of single-contrast and multiphasic examinations, Ott DJ; Chen YM; Gelfand DW; et al, AJR 1986; 147: 697

Efficacy study, CT

esophageal cancer staging by CT: long-term follow-up study, Halvorsen RA Jr; Magruder-Habib K; Foster WL Jr; Roberts L Jr; Postlethwait RW; Thompson WM, *Radiology* 1986; 161: 147

pancreatic abscess: predictive value of early abdominal CT, Vernacchia FS; Jeffrey RB Jr; Federle MP; Grendell JH; Laing FC; Wing VW; Wall SD, *Radiology* 1987; 162: 435

Ejaculatory duct

transrectal US of the seminal vesicles and ejaculatory ducts: clinical correlation, Littrup PJ; Lee F; McLeary RD; Wu D; Lee A; Kumasaka GH, *Radiology* 1988; 168: 625

Elbow

case report 349, Monsees B; Destouet JM; Totty WG; et al, *Skeletal Radiol* 1986; 15: 154

cubital tunnel in ulnar entrapment neuropathy, St John JN; Palmaz JC, *Radiology* 1986; 158: 119

Elbow, anatomy

elbow joint: normal anatomy on MR images, Bunnell DH; Fisher DA; Bassett LW; Gold RH; Ellman H, *Radiology* 1987; 165: 527

MR imaging of the normal elbow: anatomic correlation, Middleton WD; Macrander S; Kneeland JB; et al, *AJR* 1987; 149: 543

ossification centers of the pediatric elbow: rare normal variant, Resnik CS; Hartenberg MA, *Pediatr Radiol* 1986; 16: 254

Elbow, arthrography

elbow joint: assessment with double-contrast CT arthrography, Singson RD; Feldman F; Rosenberg ZS, *Radiology* 1986; 160: 167

Elbow, CT

elbow joint: assessment with double-contrast CT arthrography, Singson RD; Feldman F; Rosenberg ZS, *Radiology* 1986; 160: 167

supracondylar fractures of the humerus: prediction of the cubitus varus deformity with CT, Hindman BW; Schreiber RR; Wiss DA; Ghilarducci MJ; Avolio RE, *Radiology* 1988; 168: 513

Elbow, dislocation

brachial artery injuries associated with posterior elbow dislocation, (ab), Goldman MH; Kent S; Schaumburg E, *Radiology* 1987; 164: 590

Elbow, injuries

case report 355, Retrum RK; Wepfer JF; Olen DW; et al, *Skeletal Radiol* 1986; 15: 185

critical evaluation of the radial head-capitellum view in elbow trauma, Page AC, *AJR* 1986; 146: 81

elbow fat pad sign: brief report, (ab), Quinton DN; Finlay D; Butterworth R, *Radiology* 1988; 168: 294

elbow joint: assessment with double-contrast CT arthrography, Singson RD; Feldman F; Rosenberg ZS, *Radiology* 1986; 160: 167

radial head-capitellum view: expanded imaging approach to elbow injury, Greenspan A; Norman A, *Radiology* 1987; 164: 272

radiographic diagnosis of fracture-separation of the entire distal humeral epiphysis, Ruo GY, *Clin Radiol* 1987; 38: 635

spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945

Elbow, MR studies

elbow joint: normal anatomy on MR images, Bunnell DH; Fisher DA; Bassett LW; Gold RH; Ellman H, *Radiology* 1987; 165: 527

high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, Middleton WD; Macrander S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera GF; Foley WD; Jesmanowicz A; Hyde JS, *Radiographics* 1987; 7: 645

MR imaging of the normal elbow: anatomic correlation, Middleton WD; Macrander S; Kneeland JB; et al, *AJR* 1987; 149: 543

Elbow, prostheses

prosthetic replacement of the elbow, Weissman BNW; Ewald FC, *Semin Roentgenol* 1986; 21: 66

Elbow, radiography

critical evaluation of the radial head-capitellum view in elbow trauma, Page AC, *AJR* 1986; 146: 81

radial head-capitellum view: expanded imaging approach to elbow injury, Greenspan A; Norman A, *Radiology* 1987; 164: 272

Elbow, radionuclide studies

acute flexion of the elbow: optimal imaging position for visualization of the capitellum, Fink-Bennett D; Carichner S, *Clin Nucl Med* 1986; 11: 667

Electrocardiography (ECG)

ECG abnormalities during excretory urography: the effect of stress, Mindell HJ; Gibson TC, *AJR* 1988; 150: 1327

electrocardiographic gating and monitoring in NMR imaging, Wendt RE III; Rokey R; Vick GW III; et al, *Magn Res Imag* 1988; 6: 89

monitoring of acutely ill patients during nuclear magnetic resonance imaging: use of a time-varying filter electrocardiographic gating device to reduce gradient artifacts, Rokey R; Wendt RE; Johnston DL, *Magn Res Med* 1988; 6: 240

prediction of death, myocardial infarction, and worsening chest pain using thallium scintigraphy and exercise electrocardiography, Staniloff HM; Forrester JS; Berman DS; et al, *J Nucl Med* 1986; 27: 1842

Electrocoagulation

esophageal malignancy: imaging results and complications of combined endoscopic-radiologic palliation, Jaffe MH; Fleischer D; Zeman RK; Benjamin SB; Choyke PL; Clark LR, *Radiology* 1987; 164: 623

long-term occlusion of the porcine cystic duct by means of endoluminal radio-frequency electrocoagulation, Becker CD; Quenville NF; Burhenne HJ, *Radiology* 1988; 167: 63

precision cautery excision of pulmonary lesions, (ab), Cooper JD; Perelman M; Todd TR; et al, *Radiology* 1987; 160: 572

Ellison-Zollinger syndrome

See Pancreas, neoplasms

Embolism

See also Thrombosis

arterial and venous embolization: declothing of dialysis shunts by direct injection of streptokinase, Zeit RM, *Radiology* 1986; 159: 639

balloon embolectomy catheter used percutaneously, Zimmerman JJ; Cipriano PR; Hayden WG; Fogarty TJ, *Radiology* 1986; 158: 260

balloon embolectomy catheter used percutaneously, McDermott JC; Crummy AB; Starck EE, *Radiology* 1986; 160: 279

balloon embolectomy catheter used percutaneously: reply, Cipriano PR, *Radiology* 1986; 160: 279

blue digit syndrome: treatment with percutaneous transluminal angioplasty, Kump DA; Zwerdlinger S; Griffin DJ, *Radiology* 1988; 166: 37

blue toe syndrome: treatment with anticoagulants and delayed percutaneous transluminal angioplasty, Brewer ML; Kinnison ML; Perler BA; White RI Jr, *Radiology* 1988; 166: 31

breast necrosis associated with thromboembolic disorders, Andersson I; Adler DD; Ljungberg O, *Acta Radiol* 1987; 28: 517

embolization of cardiac mural thrombus: complication of intraarterial fibrinolysis, Paulson EK; Miller FJ, *Radiology* 1988; 168: 95

pitfalls in establishing the diagnosis of deep venous thrombophlebitis by indium-111 platelet scintigraphy, Seabold JE; Conrad GR; Kimball DA; et al, *J Nucl Med* 1988; 29: 1169

recanalization of obstructed arteries with a flexible, rotating tip catheter, Kensey KR; Nash JE; Abrahams C; Zarins CK, *Radiology* 1987; 165: 387

selective embolization and clot dissolution with tPA in the internal carotid artery circulation of the rabbit, Phillips DA; Davis MA; Fisher M, *AJNR* 1988; 9: 899

vascular injury and thromboembolism in a young woman, Saeed M; Cohan RH; German DC; et al, *Invest Radiol* 1987; 22: 62

venous clots: evaluation with MR imaging, Rapoport S; Sostman HD; Pope C; Campaturo CM; Holcomb W; Gore JC, *Radiology* 1987; 162: 527

Embolism, fat

CT demonstration of fat-embolism-associated hemorrhage in the anterior commissure, Beers GJ; Nichols GR; Willing ST, *AJNR* 1988; 9: 212

fat embolism syndrome, Batra P, *J Thorac Imag* 1987; 2: 12

fat embolism syndrome, Williams AG Jr; Mettler FA Jr; Christie JH; et al, *Clin Nucl Med* 1986; 11: 495

nontraumatic fat embolization: a rare cause of new pulmonary infiltrates in an immunocompromised patient, (ab), Rosen JM; Braman SS; Hasan FM; et al, *Radiology* 1987; 163: 588

pulmonary imaging in fat embolism syndrome, Park H-M; duCret RP; Brindley DC, *Clin Nucl Med* 1986; 11: 521

Embolism, foreign body

malignant myxoid emboli in a patient with a primary tumor of the aorta, Wenker JC; Becker GJ; Reilly MK; et al, *Invest Radiol* 1986; 21: 928

portal venous tumor casts causing defect on hepatic imaging, Leekam RN; Bayley TA; Shankar L; et al, *Clin Nucl Med* 1986; 11: 519

retrieval of coil after unintentional embolization of ileocolic artery, Vujic I; Moore L; McWey RE, *Radiology* 1986; 160: 563

retrograde venous bullet embolization: a rare occurrence, Tripp MD; Tinsado J; Bezdjian DR; et al, *J Canad Assoc Radiol* 1987; 38: 292

Embolism, gas

air embolism complicating percutaneous lung biopsy, Tolly TL; Feldmeier JE; Czarnecki D, *AJR* 1988; 150: 555

air embolism complicating percutaneous thin needle biopsy of lung, (ab), Cianci P; Posin JP; Shimshak RR; et al, *Radiology* 1988; 167: 290

CT diagnosis of delayed cerebral air embolism following intraaortic balloon pump catheter insertion, Haykal HA; Wang A-M, *Comput Radiol* 1986; 10: 307

fatal systemic arterial air embolism following lung needle aspiration, Aberle DR; Gamsu G; Golden JA, *Radiology* 1987; 163: 351

incidence and cardiac effects of systemic venous air embolism: echocardiographic evidence of arterial embolization via noncardiac shunt, (ab), Gottardi JS; Papademetriou V; Notargiacomo A; et al, *Radiology* 1988; 169: 588

nonfatal venous air embolism after contrast-enhanced CT, Woodring JH; Fried AM, *Radiology* 1988; 167: 405

venous air embolism on contrast-enhanced CT: chimera or Trojan horse?, Bettmann MA, *Radiology* 1988; 167: 571

venous air embolization as a complication of pressure injection of contrast media: CT findings, Price DB; Nardi P; Teitcher J, *JCAT* 1987; 11: 294

Embolism, hepatic

hepatocellular carcinoma: combined hepatic, arterial, and portal venous embolization, Nakao N; Miura K; Takahashi H; Ohnishi M; Miura T; Okamoto E; Ishikawa Y, *Radiology* 1986; 161: 303

Embolism, oil

iodized oil in the portal vein after arterial embolization, Nakamura H; Hashimoto T; Oi H; Sawada S, *Radiology* 1988; 167: 415

Embolism, pulmonary

aberrant placement of a Kimray-Greenfield filter in the right atrium: percutaneous retrieval, Tsai FY; Myers IV; Ashraf A; Shah DC, *Radiology* 1988; 167: 423

acute pulmonary embolism: diagnostic value of digital subtraction angiography, Musset D; Rosso J; Petitprez P; Girard P; Hauuy MP; Simonneau G; Labrune M; Duroux P, *Radiology* 1988; 166: 455

aneurysm of the right ovarian vein—unusual cause of pulmonary embolism, Kaufmann K; Sorensen R; Bauknecht K; et al, *Cardiovasc Intervent Radiol* 1987; 10: 100

- angiographic evaluation of patients with unilateral massive perfusion defects in the lung scan, Cho S-R; Tinsado J; Cockrell CH; Beachley MC; Frattin MJ; Henry DA. *Radiographics* 1987; 7: 729
- bird's nest inferior vena cava filter: progress report, Roehm JOF Jr; Johnson IS; Barth MH; Gianturco C. *Radiology* 1986; 168: 745
- breakdancer's pulmonary embolism, Tiu S; Srinivasan I; Banner HJ; et al. *Clin Nucl Med* 1986; 11: 402
- central thrombi in pulmonary arterial hypertension detected by MR imaging, Fisher MR; Higgins CB. *Radiology* 1986; 158: 223
- chronic pulmonary embolism in children, Woodruff WW III; Merten DF; Wagner ML; Kirks DR. *Radiology* 1986; 159: 511
- clinical experience with technetium-99m DTPA aerosol with perfusion scintigraphy in suspected pulmonary embolism, Selby JB; Gardner JJ. *Clin Nucl Med* 1987; 12: 1
- clinical outcomes of patients with suspected pulmonary embolism and low-probability aerosol-perfusion scintigrams, Smith R; Maher JM; Miller RI; Alderson PO. *Radiology* 1987; 164: 731
- comparative study of intravenous digital subtraction angiography and ventilation-perfusion scans in suspected pulmonary embolism, (ab), Piers DB; Verzijlbergen F; Westermann JJ; et al. *Radiology* 1988; 166: 291
- computed tomography of pulmonary thromboembolism and infarction, Chintapalli K; Thomsen MK; Olson DL; et al. *JCAT* 1988; 12: 553
- CT demonstration of asymptomatic pulmonary emboli after bone marrow transplantation: case report, Allan BT; Day DL; Dehner LP. *Pediatr Radiol* 1987; 17: 65
- deep vein thrombosis and pulmonary embolism: clinical presentation and pathophysiologic consequences, Comerota AJ. *Cardiovasc Intervent Radiol* 1988; 11: 59
- demonstration of tumor microembolism by lung perfusion imaging, Davis PS; Intenzo CM; Cohn JR; et al. *Clin Nucl Med* 1988; 13: 543
- detection of pulmonary emboli by magnetic resonance imaging: evaluation of imaging parameters, Pope CF; Sostman D; Carbo P; et al. *Invest Radiol* 1987; 22: 937
- diagnosing pulmonary embolism using clinical findings, (ab), Hoellerich VL; Wigton RS. *Radiology* 1987; 162: 587
- diagnosis of peripheral pulmonary emboli by MR imaging: an experimental study in dogs, Ovenfors CO; Batra P. *Magn Res Imag* 1988; 6: 487
- diagnostic value of ventilation-perfusion lung scanning in patients with suspected pulmonary embolism, (ab), Hull RD; Hirsh J; Carter CJ; et al. *Radiology* 1986; 159: 820
- distribution of 15- and 137- μ diameter microspheres in the dog lung in the axial plane, Chiles C; Hedlund LW; Kubek RJ; et al. *Invest Radiol* 1986; 21: 618
- experience with the Amplatz retrievable vena caval filter: work in progress, Darcy MD; Cardella JF; Hunter DW; Smith TP; Castaneda-Zuniga WR; Lund GB; Amplatz K. *Radiology* 1986; 161: 611
- fat embolism syndrome, Batra P. *J Thorac Imag* 1987; 11: 12
- fibrinolytic therapy for deep vein thrombosis and pulmonary embolism, Graor R. *Cardiovasc Intervent Radiol* 1988; 11: 533
- first clinical results with a new caval filter, Gunther RW; Schild H; Hollman JP; et al. *Cardiovasc Intervent Radiol* 1987; 10: 104
- free-floating iliofemoral thrombus. risk of pulmonary embolism, (ab), Norris CS; Greenfield LJ; Herrmann JB. *Radiology* 1986; 158: 281
- imaging of pulmonary embolism, Sostman HD; Rapoport S; Gottschalk A; et al. *Invest Radiol* 1986; 21: 443
- inferior vena cava filters: in vitro comparison of clot trapping and flow dynamics, Katsamouris AA; Waltman AC; Delichatsios MA; Athanasoulis CA. *Radiology* 1988; 166: 361
- "matching" ventilation/perfusion images in fat embolization, Skarzynski JJ; Slavin JD Jr; Spencer RP; et al. *Clin Nucl Med* 1986; 11: 40
- metallic mercury pulmonary emboli, Spitzarny DL; Renzi P. *J Canad Assoc Radiol* 1987; 38: 60
- MR imaging of pulmonary arterial hypertension and pulmonary emboli, White RD; Winkler ML; Higgins CB. *AJR* 1987; 149: 15
- MR imaging of pulmonary emboli: experimental study in dogs, Stein MG; Cruess JV III; Bradley WG Jr; et al. *AJR* 1986; 147: 1133
- occult pulmonary embolism: common occurrence in deep venous thrombosis, Dorfman GS; Cronan JJ; Tupper TB; et al. *AJR* 1987; 148: 263
- panvenography and pulmonary angiography in the diagnosis of deep venous thrombosis and pulmonary thromboembolism, Kramer FL; Teitelbaum G; Merrill GJ. *Radiol Clin North Am* 1986; 24: 397
- percutaneous insertion of the Kimray-Greenfield filter, Braun SD. *Radiology* 1988; 167: 283
- percutaneous insertion of the Kimray-Greenfield filter: technical considerations and problems, Pais SO; Mirvis SE; De Orchis DF. *Radiology* 1987; 165: 377
- percutaneous retrieval of Kimray-Greenfield filter from right atrium and placement in inferior vena cava, Yakes WF. *Radiology* 1988; 169: 849
- percutaneous transfemoral placement of the Kimray-Greenfield vena cava filter, Rose BS; Simon DC; Hess ML; Van Aman ME. *Radiology* 1987; 165: 373
- perfusion scan findings understate the severity of angiographic and hemodynamic compromise in chronic thromboembolic pulmonary hypertension, (ab), Ryan KL; Pedullo PF; Davis GB; et al. *Radiology* 1988; 169: 881
- postperfusion ventilation studies in the diagnosis of pulmonary embolism: economic appraisal, Parker LA; Renner JB; Vincent LM; et al. *Clin Nucl Med* 1987; 12: 6
- pulmonary arterial hypertension: value of perfusion scintigraphy, Powe JE; Palevsky HI; McCarthy KE; Alavi A. *Radiology* 1987; 164: 727
- pulmonary embolism and lung scanning: cost-effectiveness and benefit/risk, Specker BL; Saenger EL; Buncher CR; et al. *J Nucl Med* 1987; 28: 1521
- pulmonary embolism: diagnosis with multiple imaging modalities, Alderson PO; Martin EC. *Radiology* 1987; 164: 297
- pulmonary embolism, haematemesis and the Gunther vena caval filter, Mahendran M; Fitzgerald-Finch OP; Gwilt DJ. *Br J Radiol* 1987; 60: 595
- pulmonary embolism in outpatients with pleuritic chest pain, (ab), Hull RD; Raskob GE; Carter CJ; et al. *Radiology* 1988; 169: 586
- pulmonary perfusion after rt-PA therapy for acute embolism: early improvement assessed with segmental perfusion scanning, Parker JA; Markin JE; Palla A; Goldhaber SZ; Royal HD; Tumeik S; Kim D; Rustgi AK; Holman BL; Kolodny GM; Braunwald E. *Radiology* 1988; 166: 441
- pulmonary thromboembolism: current status report on the role of nuclear medicine, Wellman HN. *Semin Nucl Med* 1986; 16: 236
- pulmonary tumor embolism: a critical review of clinical, imaging, and hemodynamic features, Chan CK; Hutcheon MA; Hyland RH; et al. *J Thorac Imag* 1987; 2: 4
- radiographic parenchymal opacity, matching perfusion defect, and normal ventilation: sign of pulmonary embolism? work in progress, Strauss EB; Sostman HD; Gottschalk A. *Radiology* 1987; 163: 505
- recurrence of pulmonary embolism during anticoagulant treatment: a prospective study, (ab), Girard P; Mathieu M; Simonneau G; et al. *Radiology* 1988; 167: 294
- recurrent pulmonary embolism after Greenfield filter placement, Geisinger MA; Zelch MG; Risius B. *Radiology* 1987; 165: 383
- regional comparison of technetium-99m DTPA aerosol and radioactive gas ventilation (xenon and krypton) studies in patients with suspected pulmonary embolism, Ramanna L; Alderson PO; Waxman AD; et al. *J Nucl Med* 1986; 27: 1391
- reliability of selective pulmonary arteriography in the diagnosis of pulmonary embolism, Quinn MF; Lundell CJ; Klotz TA; et al. *AJR* 1987; 149: 469
- role of chest radiography in predicting the extent of airway disease in patients with suspected pulmonary embolism, Smith R; Ellis K; Alderson PO. *Radiology* 1986; 159: 391
- short-term prophylaxis of pulmonary embolism by using a retrievable vena cava filter, Darcy MD; Smith TP; Hunter DW; et al. *AJR* 1986; 147: 836
- single photon emission computed tomography in the diagnosis of pulmonary thromboembolism, Touya JJ; Corbus HF; Savala KM; et al. *Semin Nucl Med* 1986; 16: 306
- superior vena caval placement of a Kimray-Greenfield filter, Pais SO; De Orchis DF; Mirvis SE. *Radiology* 1987; 165: 385
- technetium-99m red blood cell venography of the lower limb in symptomatic pulmonary embolization, Lisbana R; Rush CL; Lepanto L. *Clin Nucl Med* 1987; 12: 93
- transvenous catheter pulmonary embolectomy, (ab), Moore JH Jr; Koolpe HA; Carabasi RA; et al. *Radiology* 1986; 159: 575
- treatment of deep vein thrombosis and pulmonary emboli in patients with primary and metastatic brain tumors: anticoagulants or inferior vena cava filter?, (ab), Olin JW; Young JR; Graor RA; et al. *Radiology* 1988; 167: 885
- treatment of massive acute pulmonary embolism: the use of low doses of intrapulmonary arterial streptokinase combined with full doses of systemic heparin, (ab), Leeper KV Jr; Popovich J Jr; Lesser BA; et al. *Radiology* 1988; 169: 881
- unresolved major pulmonary embolism: long-term scintigraphic follow-up, Ham HR. *Clin Nucl Med* 1988; 13: 136
- utilization of lung scans by clinicians, Frankel N; Coleman RE; Pryor DB; et al. *J Nucl Med* 1986; 27: 366
- vena cava filter insertion and angiographic diagnosis of pulmonary embolism, Kumpe D. *Cardiovasc Intervent Radiol* 1988; 11: 521
- venous cannula for emergency catheter pulmonary embolectomy, Cope C. *Radiology* 1986; 161: 553
- ventilation abnormalities associated with pulmonary embolism, Sandler MS; Velchik MG; Alavi A. *Clin Nucl Med* 1988; 13: 450
- ventilation-perfusion scintigraphy in suspected pulmonary embolism: correlation with pulmonary angiography and refinement of criteria for interpretation, Spies WG; Burstein SP; Dillehay CL; Vogelzang RL; Spies SM. *Radiology* 1986; 159: 383
- Embolism, renal**
- angiomyolipomas in tuberculous sclerosis: subselective embolotherapy with alcohol, with long-term follow-up study, Earthman WJ; Mazer MJ; Winfield AC. *Radiology* 1986; 160: 437
- intraarterial low-dose streptokinase infusion in the treatment of acute renal thromboembolism, Wilms GE; Vermylen J; Baert AL. *Eur J Radiol* 1987; 7: 72
- Embolism, splenic**
- computed tomography of the abdomen in the diagnosis of splenic emboli, (ab), Haft JL; Altieri J; Smith LG; et al. *Radiology* 1988; 168: 291
- radiogallium hot spleen in Trousseau's syndrome with splenic vein occlusion, Dey HM; Karimeddini MK; Ciesielski TE; et al. *Clin Nucl Med* 1986; 11: 640
- Embolism, therapeutic**
- See Arteries, therapeutic blockade; Veins, therapeutic blockade
- Emergency medical service system**
- president's address: caring for the major trauma victim: role for radiology, McCort JJ. *Radiology* 1987; 163: 1
- radiographic system for use in emergency and intensive care units, Mirvis SE; Fritz SL; Siegel JH; et al. *AJR* 1988; 150: 691
- suspected leaking abdominal aortic aneurysm: use of sonography in the emergency room, Shuman WP; Hastrup W Jr; Kohler TR; Nyberg DA; Wang KY; Vincent LM; Mack LA. *Radiology* 1988; 168: 117

use of CT in acute trauma victims, Young JWR; Burgess AR, *Radiology* 1988; 166: 903
 use of CT in acute trauma victims: reply, McCort JJ, *Radiology* 1988; 166: 903

Emission CT

3D positron emission tomography: preliminary results, Ott RJ; Bateman JE; Batty V; et al, *Br J Radiol* 1986; 59: 419

abdominal SPECT imaging, Van Heertum RL; Brunetti JC; Yudd AP, *Semin Nucl Med* 1987; 17: 230

absent-decreased perfusion in the cerebral SPECT study using I-123 HIPDM, Shih W-J; Loh F; Domstad PA; et al, *Semin Nucl Med* 1988; 18: 169

acceptance testing and quality control of gamma cameras, including SPECT, Murphy PH, *J Nucl Med* 1987; 28: 1221

adrenoleukodystrophy: imaging with CT, MRI, and PET, Volkow ND; Patchell L; Kulkarni MV; et al, *J Nucl Med* 1986; 27: 524

amino acid distribution and metabolism in pituitary adenomas using positron emission tomography with D-[1-¹⁴C]methionine and L-[1-¹⁴C]methionine, Bergstrom M; Muhr C; Lundberg PO; et al, *JCAT* 1987; 11: 384

anatomical adjustments in brain positron emission tomography using CT images, Miura S; Kanno I; Iida H; et al, *JCAT* 1988; 12: 363

application of SPECT scanning with I-123 HIPDM to forensic medicine, Boyko OB; Becker GJ; Burt RW; et al, *JCAT* 1986; 10: 885

automated body contour detection in SPECT: effects on quantitative studies, Hosoba M; Wani H; Toyama H; et al, *J Nucl Med* 1986; 27: 1184

automated registration of multimodality images, Vannier MW; Gayou DE, *Radiology* 1988; 169: 860

autoradiographic comparison of thallium-201 diethyldithiocarbamate, isopropylidodoamphetamine and iodoantipyrine as cerebral blood flow tracers, Lear JL; Navarro D, *J Nucl Med* 1987; 28: 481

BGO detector unit for a stationary high resolution positron emission tomograph, Yamamoto S; Miura S; Iida H; et al, *JCAT* 1986; 10: 851

blood pool SPECT and planar imaging in hepatic hemangioma, Malik MH, *Clin Nucl Med* 1987; 12: 543

blood tumour barrier in intracranial tumours studied with x-ray computed tomography and positron emission tomography using 68-Ga-EDTA, Mosskin M; von Holst H; Ericson K, *Neuroradiol* 1986; 28: 259

bone SPECT, Collier BD Jr; Hellman RS; Krasnow AZ, *Semin Nucl Med* 1987; 17: 247

brain phantom: high-resolution imaging with SPECT and I-123, Floyd CE Jr; Jaszczak RJ; Greer KL; Coleman RE, *Radiology* 1987; 164: 279

breast cancer: PET imaging of estrogen receptors, Mintun MA; Welch MJ; Siegel BA; Mathias CJ; Brodack JW; McGuire AH; Katzenellenbogen JA, *Radiology* 1988; 169: 45

caudate nucleus infarction demonstrated by N-isopropyl-p iodoamphetamine SPECT imaging using a rotating gamma camera, Polak JF; Mueller SP; Holman BL, *Clin Nucl Med* 1986; 11: 718

cavernous hemangioma of the liver: detection with single-photon emission computed tomography, Tumeik SS; Benson C; Nagel JS; English RJ; Holman BL, *Radiology* 1987; 164: 353

cellular sources of thymidine nucleotides: studies for PET, Shields AF; Coonrod DV; Quackenbush RC; et al, *J Nucl Med* 1987; 28: 1435

cerebellar glucose consumption in normal and pathologic states using fluorine-FDG and PET, Kushner M; Tobin M; Alavi A; et al, *J Nucl Med* 1987; 28: 1667

cerebral arterial spasm after subarachnoid hemorrhage: case report with SPECT and iodine-123 HIPDM, Di Piero V; Caneschi S; Bosio CB; et al, *Clin Nucl Med* 1987; 12: 395

cerebral blood flow imaging with thallium-201 diethyldithiocarbamate SPECT, van Royen EA; de Bruine JF; Hill TC; et al, *J Nucl Med* 1987; 28: 178

cerebral hemodynamics in arteriovenous malformations: evaluation by single-photon emission CT, Takeuchi S; Kikuchi H; Karasawa J; et al, *AJNR* 1987; 8: 193

cerebral perfusion imaging in Alzheimer's disease: use of single photon emission computed tomography and iofetamine hydrochloride I 123, (ab), Johnson KA; Mueller ST; Walshe TM; et al, *Radiology* 1987; 164: 592

changes of cerebral blood flow, and oxygen and glucose metabolism following radiochemotherapy of gliomas: a PET study, Ogawa T; Uemura K; Shishido F; et al, *JCAT* 1988; 12: 290

choroid plexus carcinoma: report of a case with positron emission tomographic study, Itoh Y; Kowada M; Mineura K, *Neuroradiol* 1986; 28: 374

collimator selection for SPECT brain imaging: advantage of high resolution, Mueller SP; Polak JF; Kijewski MF; et al, *J Nucl Med* 1986; 27: 1729

colorectal tumors: scintigraphy with In-111 anti-CEA monoclonal antibody and correlation with surgical, histopathologic, and immunohistochemical findings, Abdel-Nabi HH; Schwartz AN; Goldfogel G; Ortman-Nabi JA; Matsuoaka DM; Unger MW; Wechter DG, *Radiology* 1988; 166: 747

comparative methods for quantifying myocardial infarct size by thallium-201 SPECT, Prigent F; Maddahi J; Garcia EV; et al, *J Nucl Med* 1987; 28: 325

comparison of high-resolution MRI and SPECT bone scintigraphy for noninvasive imaging of the temporomandibular joint, Krasnow AZ; Collier BD; Kneeland JB; et al, *J Nucl Med* 1987; 28: 1268

comparison of L-[1-¹⁴C]methionine and L-methyl-¹⁴C-methionine for measuring in vivo protein synthesis rates with PET, Ishiwata K; Vaalburg W; Elsinga PH; et al, *J Nucl Med* 1988; 29: 1419

comparison of low- and medium-energy collimators for SPECT imaging with iodine-123-labeled antibodies, Macey DJ; DeNardo GL; DeNardo SJ; et al, *J Nucl Med* 1986; 27: 1467

comparison of technetium-99m aminoalkyl diaminodithiol (DADT) analogs as potential brain blood flow imaging agents, Scheffel U; Goldfarb HW; Lever SZ; et al, *J Nucl Med* 1988; 29: 73

comparison of the accumulation kinetics of L-(methyl-¹⁴C)-methionine and D-(methyl-¹⁴C)-methionine in brain tumors studied with positron emission tomography, Bergstrom M; Lundqvist H; Ericson K; et al, *Acta Radiol* 1987; 28: 225

comparison of three boundary detection methods for SPECT using Compton scattered photons, Macey DJ; DeNardo GL; DeNardo SJ, *J Nucl Med* 1988; 29: 203

contribution of SPECT to imaging of gastrointestinal adenocarcinoma with ¹¹¹In-labeled anti-CEA monoclonal antibody, Kramer EL; Sanger JJ; Walsh C; et al, *AJR* 1988; 151: 697

copper(II) bis(thiosemicarbazone) complexes as potential tracers for evaluation of cerebral and myocardial blood flow with PET, Green MA; Klippenstein DL; Tonnison JR, *J Nucl Med* 1988; 29: 1549

correction for patient and organ movement in SPECT: application to exercise thallium-201 cardiac imaging, Geckle WJ; Frank TL; Links JM; et al, *J Nucl Med* 1988; 29: 441

deadtime correction method using random coincidence for PET, Yamamoto S; Amano M; Miura S; et al, *J Nucl Med* 1986; 27: 1925

deconvolution of emission tomographic data: a clinical evaluation, Yanch JC; Irvine AT; Webb S; et al, *Br J Radiol* 1988; 61: 221

design and clinical utility of a fan beam collimator for SPECT imaging of the head, Tsui BMW; Gullberg GT; Edgerton ER; et al, *J Nucl Med* 1986; 27: 810

determination of the optimum filter function for SPECT imaging, Gilland DR; Tsui BMW; McCartney WH; et al, *J Nucl Med* 1988; 29: 643

diagnosis of dementia with single photon emission computed tomography, (ab), Jagust WJ; Budinger TF; Reed BR, *Radiology* 1987; 164: 592

diagnosis of dementia with single photon emission computed tomography, (ab), Jagust WJ; Budinger TF; Reed BR, *Radiology* 1987; 165: 590

diagnosis of diffuse hepatocellular diseases using SPECT, Kodama T; Watanabe K; Hoshi H; et al, *J Nucl Med* 1986; 27: 616

diagnosis of discitis by SPECT technetium-99m MDP scintigram: case report, Swanson D; Blecker I; Gahbauer H; et al, *Clin Nucl Med* 1987; 12: 210

differential diagnosis in dementia using the cerebral blood flow agent ^{99m}Tc HM-PAO: a SPECT study, Gemmell HG; Sharp PF; Besson JAO; et al, *JCAT* 1987; 11: 398

differentiation of cerebral radiation necrosis from tumor recurrence by [¹⁸F]FDG and ⁸²Rb positron emission tomography, Doyle WK; Budinger TF; Valk PE; et al, *JCAT* 1987; 11: 563

digital filtering of the bladder in SPECT bone studies of the pelvis, Gillen GJ; McKillop JH; Hilditch TE; et al, *J Nucl Med* 1988; 29: 1587

digital restoration of indium-111 and iodine-123 SPECT images with optimized Metz filters, King MA; Schwinger RB; Penney BC; et al, *J Nucl Med* 1986; 27: 1327

distance-weighted backprojection: SPECT reconstruction technique, Nowak DJ; Eisner RL; Fajman WA, *Radiology* 1986; 159: 531

distance-weighted backprojection: SPECT reconstruction technique, Bice AN; Clausen M; Loncaric S; Zeeberg B; Wagner HN Jr, *Radiology* 1986; 161: 852

distance-weighted backprojection: SPECT reconstruction technique: reply, Eisner RL; Fajman WA; Nowak DJ, *Radiology* 1986; 161: 852

dopamine receptors in pituitary adenomas: PET visualization with ¹¹C-N-methylspiperone, Muhr C; Bergstrom M; Lundberg PO; et al, *JCAT* 1986; 10: 175

dynamic hepatobiliary SPECT: a method for tomography of a changing radioactivity distribution, Oppenheim BE; Krephaw JD, *J Nucl Med* 1988; 29: 98

dynamic PET data analysis, Mazoyer BM; Huesman RH; Budinger TF; et al, *JCAT* 1986; 10: 645

early and delayed single photon emission CT in various cerebral diseases using N-isopropyl-p-(¹²⁵I)iodoamphetamine, Ueda T; Kinoshita K; Watanabe K; et al, *Neuroradiol* 1988; 30: 123

early and delayed SPECT using N-isopropyl-p-iodoamphetamine iodine 123 in cerebral ischemia: a prognostic index for clinical recovery, (ab), Defer G; Moretti JL; Cesaro P; et al, *Radiology* 1987; 165: 887

ectopic parathyroid gland: localization with thallium-201 SPECT, Ziffer JA; Fajman WA, *Clin Nucl Med* 1987; 12: 617

effect of changes in inflation and blood volume on regional lung density—PET study, 2, Schuster DP; Marklin GF, *JCAT* 1986; 10: 730

enhanced detectability of local colloid uptake with SPECT imaging, Podoloff DA; Kim EE, *Clin Nucl Med* 1988; 13: 580

estimation of left ventricular mass in normal and infarcted canine hearts using thallium-201 SPECT, Narahara KA; Thompson CJ; Maubant JC; et al, *J Nucl Med* 1987; 28: 1315

evaluation of distance-weighted SPECT reconstruction for skeletal scintigraphy, Hellman RS; Nowak D; Collier BD; Isitman A; Eisner RL, *Radiology* 1986; 159: 473

evaluation of myocardial perfusion and function by single photon emission computed tomography, Cerqueira MD; Harp GD; Ritchie JL, *Semin Nucl Med* 1987; 17: 200

evaluation of regurgitant fraction of the left ventricle by gated cardiac blood-pool scanning using SPECT, Ohtake I; Nishikawa J; Machida K; et al, *J Nucl Med* 1987; 28: 19

- evaluation of SPECT angular sampling effects: continuous versus step-and-shoot acquisition, Bieszk JA; Hawman EG, *J Nucl Med* 1987; 28: 1308
- examination of assumptions for local cerebral blood flow studies in PET, Koeppe RA; Hutchins GD; Rothley JM; et al, *J Nucl Med* 1987; 28: 1695
- extramedullary hematopoiesis: demonstration by transmission and emission computed tomography, Parker LA; Vincent LM; Mauro MA; et al, *Clin Nucl Med* 1986; 11: 1
- flow study and SPECT imaging for the diagnosis of giant cell tumor of bone, Krasnow AZ; Iaitman AT; Collier BD; et al, *Clin Nucl Med* 1988; 13: 89
- frequency and patterns of abnormality detected by iodine-123 amine emission CT after cerebral infarction, Brott TG; Gelfand MJ; Williams CC; Spilker JA; Hertzberg VS, *Radiology* 1986; 158: 729
- functional imaging of the brain, Ell PJ; Jarritt PH; Costa DC; et al, *Semin Nucl Med* 1987; 17: 214
- fundamentals of 180° acquisition and reconstruction in SPECT imaging, Eisner RL; Nowak DJ; Pettigrew R; et al, *J Nucl Med* 1986; 27: 1717
- gallium-67 SPECT imaging in hepatocellular carcinoma, Rush C; Stern J, *Clin Nucl Med* 1988; 13: 535
- generalized scatter correction method in SPECT using point scatter distribution functions, Msaki P; Axelsson B; Dahl CM; et al, *J Nucl Med* 1987; 28: 1861
- global cerebral glucose utilization is independent of brain size: a PET study, Hatazawa J; Brooks RA; Di Chiro G; et al, *JCAT* 1987; 11: 571
- glucose transport and utilization in the human brain: model using carbon-11 methylglucose and positron emission tomography, Feinendegen LE; Herzog H; Wieler H; et al, *J Nucl Med* 1986; 27: 1857
- glucose utilization by intracranial meningiomas as an index of tumor aggressiveness and probability of recurrence: a PET study, Di Chiro G; Hatazawa J; Katz DA; Rizzoli HV; De Michele DJ, *Radiology* 1987; 164: 521
- haemodynamics and oxygen metabolism in patients after reversible ischaemic attack or minor ischaemic stroke assessed with positron emission tomography, Itoh M; Hatazawa J; Pozzilli C; et al, *Neuroradiol* 1987; 29: 416
- hepatic cavernous hemangioma: diagnosis with ^{99m}Tc-labeled red cells and single-photon emission CT, Brodsky RI; Friedman AC; Maurer AH; et al, *AJR* 1987; 148: 125
- hepatic hemangioma: diagnosis by emission computed tomography, Talley MA; Nguyen DL; Leonard JC, *Clin Nucl Med* 1986; 11: 49
- high density avalanche chamber (HIDAC) positron camera, Townsend D; Frey P; Jeavons A; et al, *J Nucl Med* 1987; 28: 1554
- high [¹⁸F]FDG uptake in primary cerebral lymphoma: a PET study, Kuwabara Y; Ichiya Y; Otsuka M; et al, *JCAT* 1988; 12: 47
- human lung tumors: SPECT quantitation of differences in Co-57 bleomycin uptake, Front D; Israel O; Iosilevsky G; Even-Sapir E; Frenkel A; Peleg H; Steiner M; Kuten A; Kolodny GM, *Radiology* 1987; 165: 129
- I-123 HIPDM SPECT imaging and cerebral angiography for EC-IC bypass evaluation, Boyko OB; Park H-M; Edwards MK; Wellman HN; Glazier MC; Marquart CL; Kung HF, *Radiographics* 1987; 7: 563
- images of the brain: past as prologue, Wagner HN Jr, *J Nucl Med* 1986; 27: 1929
- imaging of cerebral blood flow-to-volume distribution using SPECT, Knapp WH; von Kummer R; Kubler W, *J Nucl Med* 1986; 27: 465
- improved delineation of human dopamine receptors using [¹⁸F]-N-methylspiroperidol and PET, Arnett CD; Wolf AP; Shiue C-Y; et al, *J Nucl Med* 1986; 27: 1878
- improved SPECT using simultaneous emission and transmission tomography, Bailey DL; Hutton BF; Walker PJ, *J Nucl Med* 1987; 28: 844
- infected cyst localization with gallium SPECT imaging in polycystic kidney disease, Amesur P; Castronuovo JJ; Chandramouly B, *Clin Nucl Med* 1988; 13: 35
- influence of collimators on SPECT center of rotation measurements: artifact generation and acceptance testing, Cerqueira MD; Matsuoaka D; Ritchie JL; et al, *J Nucl Med* 1988; 29: 1393
- initial experience with technetium-99m HM-PAO brain SPECT, Podreka I; Suesse E; Goldenberg G; et al, *J Nucl Med* 1987; 28: 1657
- interactive visual optimization of SPECT prereconstruction filtering, King MA; Glick SJ; Penney BC; et al, *J Nucl Med* 1987; 28: 1192
- interpolating scan and oblique-angle tomograms in myocardial PET using nitrogen-13 ammonia, Senda M; Yonekura Y; Tamaki N; et al, *J Nucl Med* 1986; 27: 1830
- inverse Monte Carlo as a unified reconstruction algorithm for PET, Floyd CE Jr; Jaszcak RJ; Greer KL; et al, *J Nucl Med* 1986; 27: 1577
- in vivo quantitation using SPECT of radiopharmaceutical uptake by human meningiomas, Front D; Iosilevsky G; Frenkel A; Even-Sapir E; Israel O; Kolodny GM; Feinsud M, *Radiology* 1987; 164: 93
- iodine-123 SPECT of the thyroid in multinodular goiter, Chen JJS; LaFrance ND; Rippin R; et al, *J Nucl Med* 1988; 29: 110
- iofetine HCl I-123 brain scanning in stroke: a comparison with transmission CT, Park CH; Madsen MT; McLellan T; Schwartzman RJ, *Radiographics* 1988; 8: 305
- lymphoma: evaluation with Ga-67 SPECT, Tumeh SS; Rosenthal DS; Kaplan WD; English RJ; Holman BL, *Radiology* 1987; 164: 111
- maximum likelihood method for region-of-interest evaluation in emission tomography, Carson RE, *JCAT* 1986; 10: 654
- measurement of absolute bone blood flow by positron emission tomography, Nahmias C; Cockshott WP; Belbeck LW; et al, *Skeletal Radiol* 1986; 15: 198
- measurement of collimator hole angulation and camera head tilt for slant and parallel hole collimators used in SPECT, Busemann-Sokole E, *J Nucl Med* 1987; 28: 1592
- measurement of radiation dose to the thyroid using positron emission tomography, Ott RJ; Batty V; Webb S; et al, *Br J Radiol* 1987; 60: 245
- measurements of pulmonary vascular permeability with PET and gallium-68 transferrin, Mintum MA; Dennis DR; Welch MJ; et al, *J Nucl Med* 1987; 28: 1704
- metabolic and hemodynamic evaluation of gliomas using positron emission tomography, Tyler JL; Diksic M; Villemure J-G; et al, *J Nucl Med* 1987; 28: 1123
- metabolic fate of radiolabeled palmitate in ischemic canine myocardium: implications for positron emission tomography, Rosamond TL; Abendschein DR; Sobel BE; et al, *J Nucl Med* 1987; 28: 1322
- metabolic imaging of human extremity musculoskeletal tumors by PET, Kern KA; Brunetti A; Norton JA; et al, *J Nucl Med* 1988; 29: 181
- metabolic studies with L-[1-¹⁴C]tyrosine for the investigation of a kinetic model to measure protein synthesis rates with PET, Ishiwata K; Vaalburg W; Elsinga PH; et al, *J Nucl Med* 1988; 29: 524
- metabolites of 6-[¹⁸F]fluoro-L-dopa in human blood, Firnau G; Sood S; Chirakal R; et al, *J Nucl Med* 1988; 29: 363
- method for postinjection PET transmission measurements with a rotating source, Carson RE; Daube-Witherspoon ME; Green MV, *J Nucl Med* 1988; 29: 1558
- methodologic factors affecting PET measurements of cerebral glucose metabolism, Jagust WJ; Budinger TF; Huesman RH; et al, *J Nucl Med* 1986; 27: 1358
- mismatch between iodine-123 and xenon-133 SPECT rCBF measurement, Steinling M; Destee A, *Clin Nucl Med* 1986; 11: 13
- [¹²⁵I]cisplatin PET to assess pharmacokinetics of intra-arterial versus intravenous chemotherapy for malignant brain tumors, Ginos JZ; Cooper AJL; Ohawan V; et al, *J Nucl Med* 1987; 28: 1844
- N-[¹¹C-methyl]chlorphentermine and N,N-[¹¹C-dimethyl]chlorphentermine as brain blood-flow agents for positron emission tomography, Kizuka H; Elmaleh DR; Boudreaux GJ; et al, *J Nucl Med* 1986; 27: 532
- new methods of examining gamma camera collimators, Chang W; Li S; Williams JJ; et al, *J Nucl Med* 1988; 29: 676
- No-carrier-added N-(3-[¹⁸F]fluoropropyl)spiroperidol: biodistribution in mice and tomographic studies in a baboon, Shiue C-Y; Bai L-Q; Teng R-R; et al, *J Nucl Med* 1987; 28: 1164
- nonisotropic attenuation in SPECT: phantom tests of quantitative effects and compensation techniques, Manglos SH; Jaszcak RJ; Floyd CE; et al, *J Nucl Med* 1987; 28: 1584
- normal anatomy of the lumbosacral spine and pelvis: a correlation of SPECT and radiographic techniques, Gates GF, *Clin Nucl Med* 1988; 13: 327
- normal and abnormal single photon emission computed tomography of the skull: comparison with planar scintigraphy, Israel O; Jerushalmi J; Frenkel A; et al, *J Nucl Med* 1988; 29: 1341
- normal pituitary examined with positron emission tomography and (methyl-¹¹C)-L-methionine and (methyl-¹¹C)-D-methionine, Bergstrom M; Muhr C; Ericson K; et al, *Neuroradiol* 1987; 29: 221
- nuclear medicine: SPECT comparisons to PET, Maurer AH, *Radiol Clin North Am* 1988; 26: 1059
- observations with SPECT on the normal regional distribution of pulmonary blood flow in gravity independent planes, Lisbona R; Dean GW; Hakim TS, *J Nucl Med* 1987; 28: 1758
- options in camera technology for the bone scan: role of SPECT, Weber DA, *Semin Nucl Med* 1988; 18: 78
- painful pseudarthrosis following lumbar spinal fusion: detection by combined SPECT and planar bone scintigraphy, Slizofski WJ; Collier BD; Flatley TJ; et al, *Skeletal Radiol* 1987; 16: 136
- patient motion in thallium-201 myocardial SPECT imaging: an easily identified frequent source of artifactual defect, Friedman J; Berman DS; Van Train K; et al, *Clin Nucl Med* 1988; 13: 321
- patients with partial seizures: evaluation by MR, CT, and PET imaging, Latack JT; Abou-Khalil BW; Siegel GJ; Sackellares JC; Gabrielsen TO; Aissen AM, *Radiology* 1986; 159: 159
- PET camera performance design evaluation for BGO and BaF₂ scintillators (non-time-of-flight), Wong W-H, *J Nucl Med* 1988; 29: 338
- PET, CT, and MR imaging in cerebrovascular disease, Heiss W-D; Herholz K; Bocher-Schwarz HG; et al, *JCAT* 1986; 10: 903
- PET measurement of regional lung density: 1, Schuster DP; Marklin GF; Mintum MA; et al, *JCAT* 1986; 10: 723
- PET study of methionine accumulation of glioma and normal brain tissue: competition with branched chain amino acids, Bergstrom M; Ericson K; Hagenfeldt L; et al, *JCAT* 1987; 11: 208
- pharmacokinetics of superselective intra-arterial and intravenous [¹¹C]BCNU evaluated by PET, Tyler JL; Yamamoto YL; Diksic M; et al, *J Nucl Med* 1986; 27: 775
- pituitary adenoma with seizures: PET demonstration of reduced glucose utilization in the medial temporal lobe, Bairaman D; Di Chiro G; Blume H; et al, *JCAT* 1986; 10: 529
- plasmacytoma of the lumbar spine by SPECT, Hartshorne MF; Cawthon MA; Bauman JM, *Clin Nucl Med* 1986; 11: 65
- positron camera using position-sensitive detectors: PENN-PET, Muehlethner G; Karp JS, *J Nucl Med* 1986; 27: 90
- positron CT imaging of an impending stroke, Itoh M; Hatazawa J; Pozzilli C; et al, *Neuroradiol* 1988; 30: 276
- positron emission tomography: clinical status in the United States in 1987, Kuhl DE; Wagner HN; Alavi A; et al, *J Nucl Med* 1988; 29: 1136

- positron emission tomography imaging of regional cerebral glucose metabolism, Alavi A; Dann R; Chawluk J; et al, *Semin Nucl Med* 1986; 16: 2
- positron emission tomography imaging—technical considerations, Muehlethner G; Karp JS, *Semin Nucl Med* 1986; 16: 35
- positron emission tomography in aging and dementia: effect of cerebral atrophy, Chawluk JB; Alavi A; Dann R; et al, *J Nucl Med* 1987; 28: 431
- positron emission tomography in pulmonary edema, Wollmer P; Rhodes CG, *J Thorac Imag* 1988; 3-3: 44
- positron emission tomography in the investigation of central nervous system disorders, Jamieson D; Alavi A; Jolles P; et al, *Radiol Clin North Am* 1988; 26: 1075
- positron emission tomography: prospects for clinical utility, Kessler RM; Partain CL; Price RR; et al, *Invest Radiol* 1987; 22: 529
- positron emission tomography using [18 F] fluorodeoxyglucose in brain tumors: powerful diagnostic and prognostic tool, Di Chiro G, *Invest Radiol* 1987; 22: 360
- positron emission tomography with 14 C-methionine and computed tomography of intracranial tumours compared with histopathologic examination of multiple biopsies, Moosik M; von Holst H; Berström M; et al, *Acta Radiol* 1987; 28: 673
- positron imaging of myocardial infarction with rubidium-82, Goldstein RA; Mullani NA; Wong W-H; et al, *J Nucl Med* 1986; 27: 1824
- potential of NMR and PET for determining tumor metabolism, Miraldi F, *Int J Radiat Oncol Biol Phys* 1986; 12: 1033
- preliminary evaluation of a dual crystal positron camera, Holte S; Ostergaard H; Kesselberg M, *JCAT* 1987; 11: 691
- preparation of oxygen-15 butanol for positron tomography, Berridge MS; Franceschini MP; Tewson TJ; et al, *J Nucl Med* 1986; 27: 834
- primary biliary cirrhosis: Tc-99m IDA planar and SPECT scanning, Keefe EB; Lieberman DA; Krishnamurthy S; Krishnamurthy GT; Gilbert SA, *Radiology* 1988; 166: 143
- prominent confluence of the straight and transverse sinuses: potential pitfall in the interpretation of tomographic brain scans, Telepak RJ; Hartshorne MF; Cawthon MA; et al, *Clin Nucl Med* 1986; 11: 366
- quantitation in positron emission computed tomography: 7. technique to reduce noise in accidental coincidence measurements and coincidence efficiency calibration, Casey ME; Hoffman EJ, *JCAT* 1986; 10: 845
- quantitation in positron emission tomography: 8. effects of nonlinear parameter estimation on functional images, Huang S-C; Mahoney DK; Phelps ME, *JCAT* 1987; 11: 314
- quantitative analysis of D2 dopamine receptor binding in the living human brain by PET, (ab), Farde L; Hall H; Ehrin E; et al, *Radiology* 1986; 159: 822
- quantitative analysis of left-ventricular function using gated single photon emission tomography, (ab), Barat J-L; Brendel AJ; et al, *Radiology* 1986; 158: 573
- quantitative analysis of the tomographic thallium-201 myocardial bullseye display: critical role of correcting for patient motion, Eisner R; Churchwell A; Noever T; et al, *J Nucl Med* 1988; 29: 91
- quantitative evaluation of regional pulmonary ventilation using PET and nitrogen-13 gas, Senda M; Murata K; Itoh H; et al, *J Nucl Med* 1986; 27: 268
- quantitative imaging of neuroreceptors in the living human brain, Wagner HN Jr, *Semin Nucl Med* 1986; 16: 51
- quantitative organ visualization using SPECT, Kircos LT; Carey JE Jr; Keyes JW Jr, *J Nucl Med* 1987; 28: 334
- quantitative single photon emission computed tomography applied to a comparison of propanetetraphosphonate and albumin colloid for liver and spleen scintigraphy, Axelsson B; Jacobsson H, *Acta Radiol* 1988; 29: 321
- radiation dose to upper airways from inhaled oxygen-15 carbon dioxide, Meyer E; Yamamoto LY; Evans AC; et al, *J Nucl Med* 1987; 28: 234
- radioactive iodine exchange reaction of HIPDM: kinetics and mechanism, Lui B; Chang J; Sun JS; et al, *J Nucl Med* 1987; 28: 360
- rapid decrease in amino acid metabolism in prolactin-secreting, pituitary adenomas after bromocriptine treatment: a PET study, Bergström M; Muhr C; Lundberg PO; et al, *JCAT* 1987; 11: 815
- rapid, inexpensive quality control of fluorine-18 2-deoxy-2-fluoro-D-glucose preparations using the hexokinase reaction in vitro, Gatley SJ; Brown SG; Thompson CM, *J Nucl Med* 1988; 29: 1443
- receptor localization and quantification with PET, Frost JJ, *Radiology* 1988; 169: 273
- regional myocardial glucose metabolism in angina pectoris obtained from positron emission tomography, Spinks TJ; Araujo LI; Camici P, *J Thorac Imag* 1988; 3-2: 56
- regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q-wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, (ab), Brunken R; Tillisch J; Schwaiger M; et al, *Radiology* 1986; 161: 285
- reliability of thallium-201 myocardial tomography in a clinical setting without exclusions for drugs or suboptimal exercise, Coel M; Gushiken B, *Clin Nucl Med* 1988; 13: 155
- remote metabolic effects of cerebrovascular lesions: magnetic resonance and positron tomography imaging, Pappata S; Dinh ST; Baron JC; et al, *Neuroradiol* 1987; 29: 1
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- rubidium-82 myocardial uptake and extraction after transient ischemia: PET characteristics, Wilson RA; Shea M; De Landsheere C; et al, *JCAT* 1987; 11: 60
- scatter distribution in transmission measurements with positron emission tomography, Chan B; Bergstrom M; Palmer MR; et al, *JCAT* 1986; 10: 296
- serial PET studies of human cerebral malignancy with [11 C]putrescine and [11 C]-2-deoxy-D-glucose, Hiesiger E; Fowler JS; Wolf AP; et al, *J Nucl Med* 1987; 28: 1251
- short-axis circumferential profiles of the heart in healthy subjects: comparison of TI-201 SPECT and two-dimensional echocardiography, Clausen M; Civelek AC; Bice AN; Petronis J; Koller D; Loncaric S; Weiss JL; Wagner HN Jr, *Radiology* 1988; 168: 723
- silent infarction of the brain: incidental finding demonstrated by SPECT, Mountz J-M; Malinoff H; Wilson MW, *Clin Nucl Med* 1988; 13: 498
- silicone gel phantom suitable for multimodality imaging, Goldstein DC; Kundel HL; Daube-Witherspoon ME; et al, *Invest Radiol* 1987; 22: 153
- simplified, noninvasive PET measurement of blood-brain barrier permeability, Iannotti F; Fieschi C; Alfano B; et al, *JCAT* 1987; 11: 390
- single photon emission computed tomographic imaging and volume estimation of the thyroid using fan-beam geometry, Webb S; Flower MA; Ott RJ; et al, *Br J Radiol* 1986; 59: 951
- single photon emission computed tomography and transmission computed tomography in the evaluation of liver disease, Yudd AP; Van Heertum RL; Brunetti JC, *Clin Nucl Med* 1988; 13: 397
- single photon emission computed tomography in AIDS dementia complex, Pohl P; Vogl G; Fill H; et al, *J Nucl Med* 1988; 29: 1382
- single photon emission computed tomography in the diagnosis of pulmonary thromboembolism, Touya JJ; Corbus HF; Savala KM; et al, *Semin Nucl Med* 1986; 16: 306
- single photon emission computed tomography (SPECT), part II: clinical applications, Coleman RE; Blinder RA; Jaszcak RJ, *Invest Radiol* 1986; 21: 1
- small hepatocellular carcinomas in chronic liver disease: detection with SPECT, Kudo M; Hirasawa M; Takakuwa H; Ibuki Y; Fujimi K; Miyamura M; Tomita S; Komori H; Todo A; Kitaura Y; Ikekubo K; Torizuka K, *Radiology* 1986; 159: 697
- SPECT Compton-scattering correction by analysis of energy spectra, Korai KF; Wang X; Rogers WL; et al, *J Nucl Med* 1988; 29: 195
- SPECT confidence building: subtle skull bone imaging lesions made conspicuous, Cawthon MA; Hartshorne MF; Bauman JM, *Clin Nucl Med* 1986; 11: 805
- SPECT evaluation of arterial perfusion in regional chemotherapy, Butler SP; Bailey DL; McLaughlin AF; et al, *J Nucl Med* 1988; 29: 593
- SPECT gallium imaging in abdominal lymphoma, Adcock KA; Friefeld GD; Waldron JA Jr, *Clin Nucl Med* 1986; 11: 346
- SPECT gallium scanning for lymphoma and infection, Harwood SJ; Carroll RG; Anderson M; et al, *Clin Nucl Med* 1987; 12: 694
- SPECT gated cardiac imaging rules out paradoxical right ventricular wall motion, Houser J; Cook SA, *Clin Nucl Med* 1986; 11: 736
- SPECT imaging of myocarditis, Shulkin BL; Wahl RL, *Clin Nucl Med* 1987; 12: 841
- SPECT imaging of para-axial neurofibromatosis with technetium-99m DTPA, Mandell GA; Harcke HT; Sharkey C; et al, *J Nucl Med* 1987; 28: 1688
- SPECT in gallium imaging in a patient with metastatic melanoma, Edeburn GF; Tow DE, *Clin Nucl Med* 1986; 11: 528
- SPECT instrumentation: performance, lesion detection, and recent innovations, Heller SL; Goodwin PN, *Semin Nucl Med* 1987; 17: 184
- SPECT liver imaging using an iterative attenuation correction algorithm and an external flood source, Malko JA; Van Heertum RL; Gullberg GT; et al, *J Nucl Med* 1986; 27: 701
- SPECT quantitation of cobalt-57 bleomycin delivery to human brain tumors, Front D; Israel O; Iosilevsky G; et al, *J Nucl Med* 1988; 29: 187
- SPECT study of regional cerebral blood flow in Alzheimer disease, Bonte FJ; Ross ED; Chehab HH; et al, *JCAT* 1986; 10: 579
- SPECT thallium-201 scintigraphy for the detection of left-ventricular aneurysm, Morton KA; Alazraki NP; Taylor AT; et al, *J Nucl Med* 1987; 28: 168
- SPECT using a specially designed cone beam collimator, Jaszcak RJ; Greer KL; Coleman RE, *J Nucl Med* 1988; 29: 1398
- SPECT with N-isopropyl-p-iodoamphetamine in occlusive cerebrovascular diseases, Higa T; Tanaka T; Ikekubo K; et al, *Clin Nucl Med* 1986; 11: 855
- spleen/liver ratio in RES-scintigraphy: a comparison between posterior registration and emission computed tomography, Friman L; Söderberg B, *Acta Radiol* 1987; 28: 439
- stability of regional cerebral glucose metabolism in the normal brain measured by positron emission tomography, Tyler JL; Strother SC; Zatorre RJ; et al, *J Nucl Med* 1988; 29: 631
- studying the pulmonary circulation with positron emission tomography, Schuster DF; Minton MA, *J Thorac Imag* 1988; 3-1: 15
- synthesis and evaluation of fluorine-18 21-fluoroprednisone as a potential ligand for neuro-PET studies, Feliu AL; Rottenberg DA, *J Nucl Med* 1987; 28: 998
- synthesis and radiopharmaceutical preparation of (ethylenediamine)(1-carbon-11-malonate) platinum(II) for PET studies, De Spiegeler B; Goethals P; Slegers G; et al, *J Nucl Med* 1988; 29: 1107
- Takayasu's arteritis of the aortic arch: endovascular treatment and correlation with positron emission tomography, Theron J; Tyler JL, *AJNR* 1987; 8: 621
- technetium-99m bis (aminoethanethiol) complexes with amine sidechains—potential brain perfusion imaging agents for SPECT, Efrange SMN; Kung HF; Billings J; et al, *J Nucl Med* 1987; 28: 1012

- technetium-99m-d,l-HM-PAO: new radiopharmaceutical for imaging regional brain perfusion using SPECT—comparison with iodine-123 HMPDM. Leonard J-P, Nowotnik DP, Neirinx RD, J Nucl Med 1986; 27: 1819
- technetium-99m d,l-HM-PAO: new radiopharmaceutical for SPECT imaging of regional cerebral blood perfusion. N'kx RD, Canning LR, Piper IM, et al, J Nucl Med 1987; 28: 191
- technetium-99m HM-PAO brain SPECT in epileptic patients before and during unilateral hemispheric anesthesia (Wada test): report of three cases. Biersack HJ, Linke D, Brassel F, et al, J Nucl Med 1987; 28: 1763
- technetium-99m HM-PAO images (planar and SPECT) of the human brain. Abdel-Dayem HM, Sadek SA, El Sayed M, et al, Clin Nucl Med 1988; 13: 139
- technetium-99m HM-PAO-SPECT study of regional cerebral perfusion in early Alzheimer's disease. Perani D, Di Piero V, Vallar G, et al, J Nucl Med 1988; 29: 1507
- technique for the correction of scattered radiation in a PET system using time-of-flight information. Bendriem B, Soussaline F, Campagnolo R, et al, JCAT 1986; 10: 287
- techniques for the rapid display and manipulation of 3-D biomedical data. Goldwasser SM, Reynolds RA, Talton DA, et al, Comput Med Imag Graph 1988; 12: 1
- temporal pattern of recovery of myocardial perfusion and metabolism delineated by positron emission tomography after coronary thrombolysis. Knabb RM, Bergmann SR, Fox KAA, et al, J Nucl Med 1987; 28: 1563
- test-retest studies of cerebral glucose metabolism using fluorine-18 deoxyglucose: validation of method. Brooks RA, Di Chiro G, Zukerberg BW, et al, J Nucl Med 1987; 28: 53
- thallium-201 SPECT in coronary artery disease patients with left bundle branch block. DePuey EG, Guerlier-Krawczynska E, Robbins WL, J Nucl Med 1988; 29: 1479
- three-dimensional display of data obtained by single photon emission computed tomography. Webb S, Ott RJ, Flower MA, et al, Br J Radiol 1987; 60: 557
- three-dimensional display of positron emission tomography of the heart. Miller TR, Starren JB, Grothe RA Jr, J Nucl Med 1988; 29: 530
- treatment of axial data in three-dimensional PET. Daube-Witherspoon ME, Muehllehner G, J Nucl Med 1987; 28: 1717
- two behavioral states studied in a single PET/CT procedure: theory, method, and preliminary results. Chang Y, Duara R, Barker W, et al, J Nucl Med 1987; 28: 852
- two devices for longitudinal emission tomography of the thyroid. van Giesse JW, Viergever MA, van Rijk PP, et al, J Nucl Med 1987; 28: 1892
- two patients with meningioma visualized as high uptake by SPECT with N-isopropyl-p-iodo-amphetamine (I-123). Nishimura T, Hayashida K, Uehara T, et al, Neuroradiol 1988; 30: 351
- use and diagnostic significance of thallium-201 SPECT imaging in a case of anomalous left coronary artery. Petrozzo PJ, Woodard ML, Vitullo DA, et al, Clin Nucl Med 1988; 13: 629
- usefulness of SPECT in evaluating osteosarcoma metastases to the lung. Kirk GA, Schulz EE, Clin Nucl Med 1987; 12: 356
- use of a germanium detector to optimize scatter correction in SPECT. Singh M, Horne C, J Nucl Med 1987; 28: 1853
- use of cross-correlation function to detect patient motion during SPECT imaging. Eisner RL, Noever T, Nowak DJ, et al, J Nucl Med 1987; 28: 97
- use of positron emission tomography in pion radiotherapy. Goodman GB, Lam GKY, Harrison RW, et al, Int J Radiat Oncol Biol Phys 1986; 12: 1867
- use of SPECT to distinguish recurrent brain tumor from persistent activity at a craniotomy site. Collier BD, Greenberg M, Tikofsky RS, et al, Clin Nucl Med 1987; 12: 226
- validation of PET-acquired input functions for cardiac studies. Weinberg IN, Huang SC, Hoffman EJ, et al, J Nucl Med 1988; 29: 241
- value and limitation of stress thallium-201 single photon emission computed tomography: comparison with nitrogen-13 ammonia positron tomography. Tamaki N, Yonekura Y, Senda M, et al, J Nucl Med 1988; 29: 1181
- value of myocardial defect size measured by thallium-201 SPECT: results of a multicenter trial comparing heparin and a new fibrinolytic agent. Maublant JC, Peycelon P, Cardot JC, et al, J Nucl Med 1988; 29: 1486
- value of SPECT in identifying false-positive PYP myocardial imaging due to DC burn: a case report. Al-Sultan S, Tayser M, Bahar RH, et al, Clin Nucl Med 1987; 12: 755
- ventilation imaging with positron emission tomography and nitrogen 13. Murata K, Itoh H, Senda M, Todo G, Yonekura Y, Torizuka K, Radiology 1986; 158: 303
- viral encephalitis: imaging with SPECT. Ackerman ES, Tumen SS, Charron M, et al, Clin Nucl Med 1988; 13: 640
- volume calculation by means of SPECT: analysis of imaging acquisition and processing factors. Lee KH, Liu HTH, Chen DCP, Siegel ME, Ballard S, Radiology 1988; 167: 259
- wedge-shaped scintillation crystals for positron emission tomography. Schmitt D, Lecomte R, LeBel E, J Nucl Med 1986; 27: 99
- ### Emphysema
- emphysematous cholecystitis: pitfalls in its plain film diagnosis. Brandon JC, Glick SN, Teplick SK, et al, Gastrointest Radiol 1988; 13: 33
- ### Emphysema, interstitial
- case report: interstitial emphysema of the stomach due to perforated appendicitis. Tuck JS, Boobis LH, Clin Radiol 1987; 38: 315
- gastric emphysema demonstrated by computed tomography. Martin DF, Hartley G, Br J Radiol 1986; 59: 505
- high-frequency ventilation in the treatment of infants weighing less than 1,500 grams with pulmonary interstitial emphysema: a pilot study. (ab). Gaylord MS, Quissell BJ, Lair ME, Radiology 1987; 165: 888
- interstitial emphysema associated with epidural anesthesia for extracorporeal shock-wave lithotripsy. Roberts MC, Pollack HM, Banner MP, et al, AJR 1987; 148: 301
- neonatal tension pulmonary interstitial emphysema in bronchopulmonary dysplasia: treatment with lateral decubitus positioning. Schwartz AN, Graham CB, Radiology 1986; 161: 351
- pulmonary interstitial emphysema—a radiological and pathological correlation. Boothroyd AE, Barson AJ, Pediatr Radiol 1988; 18: 194
- ### Emphysema, pulmonary
- centrilobular emphysema: CT-pathologic correlation. Foster WL Jr, Pratt PC, Roggli VL, Godwin JD, Halvorsen RA Jr, Putman CE, Radiology 1986; 159: 27
- centrilobular lesions of the lung: demonstration by high-resolution CT and pathologic correlation. Murata K, Itoh H, Todo G, Kanaoka M, Noma S, Itoh T, Furuta M, Asamoto H, Torizuka K, Radiology 1986; 161: 641
- continuum of pulmonary developmental anomalies. Panicek DM, Heitzman ER, Randall PA, Grookun SA, Chew FS, Lane EJ Jr, Markarian B, Radiographics 1987; 7: 747
- current concepts in the management of neonatal ICU patients with pulmonary hypertension and localized barotrauma. Berdon WE, Radiology 1986; 158: 493
- detection of emphysema with computed tomography: correlation with pulmonary function tests and chest radiography. Sanders C, Nath PH, Bailey WC, Invest Radiol 1988; 23: 262
- diagnosis of emphysema: computed tomographic-pathologic correlation. (ab). Bergin CJ, Müller NL, Nichols DM, et al, Radiology 1986; 160: 856
- large-image intensifier photofluorography and conventional radiography in pulmonary emphysema: correlation with computed tomography. Manninen H, Partanen K, Soimakallio S, et al, Acta Radiol 1988; 29: 293
- normal and diseased isolated lungs: high-resolution CT. Webb WR, Stein MG, Finkbeiner WE, Im J-G, Lynch D, Gamsu G, Radiology 1988; 166: 81
- pulmonary emphysema in a neonate with Marfan syndrome. Day DL, Burke BA, Pediatr Radiol 1986; 16: 518
- pulmonary function abnormalities in patients with CT-determined emphysema. Sakai F, Gamsu G, Im J-G, et al, JCAT 1987; 11: 963
- pulmonary hyperinflation and emphysema in infants with the Marfan syndrome. Dominguez R, Weisgrau RA, Santamaria M, Pediatr Radiol 1987; 17: 365
- radiographic appearance of the chest in emphysema. Pratt PC, Invest Radiol 1987; 22: 927
- stripe sign in pulmonary perfusion scintigraphy: central pattern of pulmonary emphysema: work in progress. Murata K, Itoh H, Senda M, Noma S, Todo G, Yonekura Y, Nishimura K, Izumi T, Oshima S, Torizuka K, Radiology 1986; 160: 337
- value of computed tomography for selecting patients with bullous lung disease for surgery. (ab). Morgan MDL, Denison DM, Strickland B, Radiology 1987; 164: 589
- ventilation scintigraphy with submicron radiorosol as an adjunct in the diagnosis of congenital lobar emphysema. Loewy J, O'Brodoich H, Coates G, J Nucl Med 1987; 28: 1213
- ### Emphysema, renal
- emphysematous pyelonephritis as seen on technetium-99m DTPA renal imaging. Leekam RN, Shankar L, Bayley TA, Clin Nucl Med 1987; 12: 140
- ### Emphysema, subcutaneous
- subcutaneous emphysema after percutaneous gastrostomy. Wojtowycz MM, Arata JA Jr, AJR 1988; 151: 311
- ### Emphysema
- case report: atypical presentation of emphysema of the gall bladder. Danher J, Campbell H, Mendelson RM, Clin Radiol 1987; 38: 655
- computed tomographic myelography in spinal subdural emphysema. Knudsen LL, Voldby B, Stagaard M, Neuroradiol 1987; 29: 99
- Eloesser window thoracostomy for treatment of emphysema: radiographic appearance. Shapiro MP, Gale ME, Daly BDT, AJR 1988; 150: 549
- radiologically-guided percutaneous catheter drainage of emphysema. Hunnam GR, Flower CDR, Clin Radiol 1988; 39: 121
- subdural emphysema: clinical and computed tomographic correlations. (ab). Weisberg L, Radiology 1986; 160: 861
- thoracic emphysema: management with image-guided catheter drainage. Silverman SG, Mueller PR, Saini S, Hahn PF, Simeone JF, Forman BH, Steiner E, Ferrucci JT, Radiology 1988; 169: 5
- ultrasound demonstration of pericardial emphysema in an infant with pyrexia of undetermined origin. Carey BM, Williams CE, Arthur RJ, Pediatr Radiol 1988; 18: 349
- ### Encephalitis
- carcinomatous encephalitis: CT and MR findings. Olsen WL, Winkler ML, Ross DA, AJNR 1987; 8: 553
- case of the month: an opportunity not to be missed. Belli AM, Elliott C, Heron CW, Br J Radiol 1988; 61: 171
- computed tomography and ultrasound in purulent ventriculitis. Vachon L, Mikity V, J Ultrasound Med 1987; 6: 269
- computed tomography of adult herpes simplex encephalitis. O'Neil RA, Albertson LE, Perrett LV, et al, Australas Radiol 1987; 31: 357
- CT, MR, and pathology in HIV encephalitis and meningitis. Post MJD, Tate LG, Quencer RM, et al, AJNR 1988; 9: 469
- cytomegalic inclusion virus encephalitis in patients with AIDS: CT, clinical, and pathologic correlation. Post MJD, Hensley GT, Moskowitz LB, et al, AJNR 1986; 7: 275

Encephalitis

- cytomegalic inclusion virus encephalitis in patients with AIDS: CT, clinical, and pathologic correlation. Post MJD; Hensley GT; Moskowitz LB; et al. *AJR* 1986; 146: 1229
- cytomegalovirus encephalitis in patients with acquired immunodeficiency syndrome, (ab). Morgello S; Cho E-S; Nielsen S; et al. *Radiology* 1987; 164: 591
- echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy. Teale RL; Hernandez-Schulman M; Sotrel A. *Radiology* 1988; 169: 423
- mid- and long-term MRI study of sequelae of acute necrotizing viral encephalitis. Vion-Dury J; Jiddane M; Bouchacour M; et al. *J Neuroradiol* 1987; 14: 53
- MRI in children with postinfectious disseminated encephalomyelitis. Dunn V; Bale JF Jr; Zimmerman RA; et al. *Magn Res Imag* 1986; 4: 25
- MR imaging vs CT in subacute sclerosing panencephalitis. Tsuchiya K; Yamauchi T; Furui S; et al. *AJNR* 1988; 9: 943
- MRI of Listeria rhombencephalitis. Just M; Kramer G; Higer HP; et al. *Neuroradiol* 1987; 29: 401
- MRI of mumps encephalitis: comparison with CT evaluation. Tarr RW; Edwards KM; Kessler RM; et al. *Pediatr Radiol* 1987; 17: 59
- neonatal herpes simplex encephalitis: correlation of clinical and CT findings. Noorbehesht B; Enzmann DR; Sullender W; Bradley JS; Arvin AV. *Radiology* 1987; 162: 813
- neurologic manifestations of infection with human immunodeficiency virus: clinical features and pathogenesis, (ab). Gabuzda DH; Hirsch MS. *Radiology* 1988; 167: 591
- NMR changes in experimental allergic encephalomyelitis: NMR changes precede clinical and pathologic events. O'Brien JT; Noseworthy JH; Gilbert JJ; et al. *Magn Res Med* 1987; 5: 109
- reactivation of congenital cytomegalic inclusion disease in an infant with HTLV-III associated immunodeficiency: CT-pathologic correlation. Post MJD; Curless RG; Gregorios JB; et al. *JCAT* 1986; 10: 533
- symmetrical low density areas in bilateral thalami in an infant with measles encephalitis. Ochi J; Okuno T; Uenoyama Y; et al. *Comput Radiol* 1986; 10: 137
- ventricular shunt therapy of the brain: long-term rubber-catheter-induced inflammation. Woodruff WW Jr; Yeates AE; Dent GA. *Radiology* 1986; 158: 171
- viral encephalitis: imaging with SPECT. Ackerman ES; Tumei SS; Charron M; et al. *Clin Nucl Med* 1988; 13: 640
- Encephalocele**
See Brain, hernia
- Encephalography**
See Brain, radiography
- Encephalomalacia**
computed tomography evolution of multicystic encephalomalacia. Smith RR; Savolaine ER. *CT* 1986; 10: 249
- deep white matter infarction: correlation of MR imaging and histopathologic findings. Marshall VG; Bradley WG Jr; Marshall CE; Bhooat T; Rhodes RH. *Radiology* 1988; 167: 517
- ultrasound diagnosis of multiple cystic encephalomalacia. Gupta RK; Pant CS; Sharma A; et al. *Pediatr Radiol* 1988; 18: 6
- Encephalopathy**
See Brain, diseases
- Enchondroma**
bone sarcoma associated with Ollier's disease, (ab). Liu J; Hudkins PG; Sweet RG; et al. *Radiology* 1987; 165: 589
- case report 368. Remagen W; Nidecker A; Dolanc B. *Skeletal Radiol* 1986; 15: 330
- case report 405. Mitchell ML; Ackerman LV. *Skeletal Radiol* 1987; 16: 61
- case report 416. Lerman-Sagie T; Grunebaum M; Mimouni M. *Skeletal Radiol* 1987; 16: 175
- case report 418. Azouz EM. *Skeletal Radiol* 1987; 16: 236
- co-existence of enchondromatosis exostosis and hemangiomas. Saha MM; Gupta RK; Chauhan S. *Australas Radiol* 1987; 31: 71
- generalised enchondromatosis associated with haemangiomas, soft-tissue calcifications and hemihypertrophy. Phelan EMD; Carty HML; Kalos S. *Br J Radiol* 1986; 59: 69
- hyaline cartilage-origin bone and soft-tissue neoplasms: MR appearance and histologic correlation. Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML. *Radiology* 1988; 167: 477
- malignant potential of enchondromatosis, (ab). Schwartz HS; Zimmerman NB; Simon MA; et al. *Radiology* 1987; 164: 590
- MR imaging of Maffucci syndrome. Unger EC; Kessler HB; Kowalyahyn MJ; et al. *AJR* 1988; 150: 351
- Endocarditis**
cerebral infarction from non-bacterial thrombotic endocarditis: clinical and pathological study including the effects of anticoagulation, (ab). Rogers LR; Cho E-S; Kempin S; et al. *Radiology* 1988; 167: 295
- detailed analysis of aortic valve endocarditis: comparison of precordial, esophageal and epicardial two-dimensional echocardiography with surgical findings. Gussenhoven EJ; van Herwerden LA; Roelandt J; et al. *JCU* 1986; 14: 209
- diagnosis of aortic root abscess by cross-sectional echocardiography. Mulcahy D; Shapiro LM; Westgate C; et al. *Clin Radiol* 1986; 37: 235
- infective endocarditis of the aortic valve with evidence of vegetations in the outflow tract of the left ventricle. Mancuso L; Canonico A; Pitrolo F; et al. *J Ultrasound Med* 1986; 5: 465
- MRI of perivalvular infectious pseudoaneurysms. Winkler ML; Higgins CB. *AJR* 1986; 147: 253
- radiological awareness of current recommendations on prophylaxis of infective endocarditis. Raby N. *Br J Radiol* 1988; 61: 366
- sinus of Valsalva aneurysm secondary to aortic valve endocarditis. Ikeda DM; Bank ER; Liddell R. *Invest Radiol* 1988; 23: 222
- Endocardium, inflammation**
See Endocarditis
- Endocrine glands**
psycho-endocrinologic reactions in female relatives of cancer patients: effects of an activation programme. Theorell T; Häggmark C; Eneroth P. *Acta Oncol* 1987; 26: 419
- Endocrine glands, dysfunction**
endocrine function following high dose proton therapy for tumors of the upper clivus. Slater JD; Austin-Seymour M; Munzenrider J; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 607
- incidence of late endocrine dysfunction following irradiation for childhood medulloblastoma. Abayomi OK; Sadeghi-Nejad A. *Int J Radiat Oncol Biol Phys* 1986; 12: 945
- symptomatic hypothalamic-pituitary dysfunction in nasopharyngeal carcinoma patients following radiation therapy: a retrospective study. Lam KSL; Ho JHC; Lee AWM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1343
- Endocrine glands, neoplasms**
iodine-123 MIBG imaging in a generalized pancreatic polypeptide-gastrin-serotonin secreting tumor. Somers G; Vanden Houtte K; Segers O; et al. *Clin Nucl Med* 1988; 13: 352
- iodine-131 MIBG scintigraphy of pheochromocytoma and neuroblastoma. Von Moll L; McEwan AJ; Shapiro B; et al. *J Nucl Med* 1987; 28: 979
- primary radiotherapy of prolactinomas, (ab). Mehta AE; Reyes FI; Fauman C. *Radiology* 1988; 166: 591
- scintigraphic portrayal of the syndrome of multiple endocrine neoplasia type-2B. Yobbagy JJ; Levatter R; Sisson JC; et al. *Clin Nucl Med* 1988; 13: 433
- Endometriosis**
adenomyosis and leiomyoma: differential diagnosis with MR imaging. Mark AS; Hricak H; Heinrichs LW; Hendrickson MR; Winkler ML; Bachica JA; Stickler JE. *Radiology* 1987; 163: 527
- adenomyosis: diagnosis with MR imaging. Togashi K; Nishimura K; Itoh K; Fujisawa I; Noma S; Kanaoka M; Nakano Y; Itoh H; Ozasa H; Fujii S; Mori T. *Radiology* 1988; 166: 111
- adnexal structures: MR imaging. Dooms GC; Hricak H; Tscholakoff D. *Radiology* 1986; 158: 639
- barium study of small bowel endometriosis. Nitsch B; Ho C-S; Cullen J. *Gastrointest Radiol* 1988; 13: 361
- computed tomography finding in Mayer-Rokitansky-Kuster-Hauser syndrome associated with endometriosis: a case report. Mahboubi S; Rostain A. *CT* 1987; 11: 301
- computed tomography of pulmonary endometriosis. Hertzanu Y; Heimer D; Hirsch M. *Comput Radiol* 1987; 11: 81
- endometrial cysts of the ovary: MR imaging. Nishimura K; Togashi K; Itoh K; Fujisawa I; Noma S; Kawamura Y; Nakano Y; Itoh H; Torizuka K; Ozasa H. *Radiology* 1987; 162: 315
- hepatic endometrioma. Grabb A; Carr L; Goodman JD; et al. *JCU* 1986; 14: 478
- necrotic pseudoxanthomatous nodules of ovary and peritoneum in endometriosis, (ab). Clement PB; Young RH; Scully RE. *Radiology* 1988; 169: 290
- pleural endometriosis: CT and sonographic findings. Im J-G; Kang HS; Choi BI; et al. *AJR* 1987; 148: 523
- uterine adenomyosis: difficult sonographic diagnosis. Siedler D; Laing FC; Jeffrey RB Jr; et al. *J Ultrasound Med* 1987; 6: 345
- Endometrium**
See Uterus
- Endoscopic retrograde cholangiopancreatography (ERCP)**
comparative study of computed tomography and ERCP in pancreaticobiliary disease. Tobin RS; Vogelzang RL; Gore RM; et al. *CT* 1987; 11: 261
- comparison of endoscopic retrograde pancreatography with functional and histologic changes in chronic pancreatitis. Heij HA; Obertop H; van Blankenstein M; et al. *Acta Radiol* 1987; 28: 289
- complete transection of the common bile duct diagnosed by endoscopic retrograde cholangiography. Neeman A; Koren A; Reiss R; et al. *Gastrointest Radiol* 1988; 13: 167
- endoscopic retrograde cholangiopancreatographic features of pancreaticobiliary ascariasis. Bhushan B; Watal G; Mahajan R; et al. *Gastrointest Radiol* 1988; 13: 327
- mucin-hypersecreting carcinoma of the pancreas. Itai Y; Kokubo T; Atomi Y; Kuroda A; Haraguchi Y; Terano A. *Radiology* 1987; 165: 51
- recurrent pyogenic cholangitis: ultrasound evaluation compared with endoscopic retrograde cholangiopancreatography. Chau EMT; Leong LLY; Chan FL. *Clin Radiol* 1987; 38: 79
- Endoscopy**
accuracy of radiologic and endoscopic diagnosis of gastric ulcer. Gjørup T; Agner E; Jensen LB; et al. *Acta Radiol* 1987; 28: 421
- colorectal carcinoma detected initially with barium enema examination: site distribution and implications. Kelvin FM; Maglinte DDT; Stephens BA. *Radiology* 1988; 169: 649
- colorectal carcinoma: radiologic and clinical review. Kelvin FM; Maglinte DDT. *Radiology* 1987; 164: 1
- endoscopic ultrasonography of esophageal tumors and compressions. Silva SA; Kouzu T; Ogino Y; et al. *JCU* 1988; 16: 149
- gastric ulceration caused by heater probe coagulation. Rumerman J; Rubenstein SE; Levine MS; et al. *Gastrointest Radiol* 1988; 13: 200
- needle endoscopy in special procedures. Cope C. *Radiology* 1988; 168: 353
- paranasal sinuses: CT imaging requirements for endoscopic surgery. Zinreich SJ; Kennedy DW; Rosenbaum AE; Gayler BW; Kumar AJ; Stammberger H. *Radiology* 1987; 163: 769
- primary gastric lymphoma versus gastric carcinoma: endoscopic US evaluation. Bolondi L; Casanova P; Calletti CC; Grigioni W; Zani L; Barbara L. *Radiology* 1987; 165: 821

- radiographic and endoscopic sensitivity in detecting lower esophageal mucosal ring. Ott DJ; Chen YM; Wu WC; et al. *AJR* 1986; 147: 261
- radiologic and endoscopic diagnosis of duodenal angiodysplasia. Flayd B; Jereb-Provič B. *Acta Radiol* 1987; 28: 735
- upper gastrointestinal endoscopic ultrasonography in gastroenterology. Shorvon PJ; Lees WR; Frost RA; et al. *Br J Radiol* 1987; 60: 429
- use of endoscopic ultrasound and laser photocoagulation in the treatment of gastrointestinal tract tumours: early experience. Steger AC; Whitecross SES; Hira N. *Br J Radiol* 1987; 60: 1141
- Endoscopy, comparative studies**
- comparison of endoscopy and barium swallow with marshmallow in dysphagia. Somers S; Stevenson GW; Thompson G. *J Canad Assoc Radiol* 1986; 37: 73
- peptic ulcer and gastric carcinoma: diagnosis with biphase radiography compared with fiberoptic endoscopy. Shaw PC; van Romunde LKJ; Griffioen G; Janasens AR; Kreuning J; Eilers GAM. *Radiology* 1987; 163: 39
- Enemas**
- computed tomographic air enema technique to demonstrate colonic neoplasms. Solomon A; Michowitz M; Papp J; et al. *Gastrointest Radiol* 1986; 11: 194
- Enteritis**
- bowel cancer characteristics in patients with regional enteritis. Miller TL; Skucas J; Gudex D; et al. *Gastrointest Radiol* 1987; 12: 45
- infective enterocolitides. Gardiner R; Smith C. *Radiol Clin North Am* 1987; 25: 67
- medical management of radiation enteritis—algorithmic guide. Zentler-Munro PL; Bessell EM. *Clin Radiol* 1987; 38: 291
- radiation enteritis. (ab). Yeoh EK; Horowitz M. *Radiology* 1988; 167: 586
- sonographic features of urinary bladder involvement in regional enteritis. Boag GS; Nolan RL. *J Ultrasound Med* 1988; 7: 125
- Enteroclysis**
- acquired jejunoileal diverticular disease: subject review. Maglente DDT; Chernish SM; DeWeese R; Kelvin FM; Brunelle RL. *Radiology* 1986; 158: 577
- barium gun for use in enteroclysis. Taucer F; Bach D; Olutola PS. *Gastrointest Radiol* 1986; 11: 203
- intubation routes for enteroclysis. Maglente DDT; Lappas JC; Chernish SM; Sellink JL. *Radiology* 1986; 158: 553
- jejunal fold separation in adult celiac disease: relevance of enteroclysis. Herlinger H; Maglente DDT. *Radiology* 1986; 158: 605
- pharmacologic agents in gastrointestinal radiology. Hall FM. *Radiology* 1987; 165: 289
- plasma electrolyte status after small-bowel enteroclysis. Barloon TJ; Franken EA Jr. *AJR* 1986; 146: 323
- radiography of the small bowel and enteroclysis: a perspective. Thoeni RF. *Invest Radiol* 1987; 22: 930
- single-contrast examination of the duodenum following enteroclysis. Bach DB. *J Canad Assoc Radiol* 1987; 38: 224
- small bowel enteroclysis survey. Barloon TJ; Lu CC; Franken EA Jr; et al. *Gastrointest Radiol* 1988; 13: 203
- small bowel radiography: how, when, and why? Maglente DDT; Lappas JC; Kelvin FM; Rex D; Chernish SM. *Radiology* 1987; 163: 297
- Enterocolitis**
- See Colitis
- Ependymoma**
- case report 435. Matsuno T; Kaneda K; Nojima T. *Skeletal Radiol* 1987; 16: 485
- ependymoma of filum terminale: metrizamide-enhanced CT evaluation. Wang A-M; Lin JCT; Haykal HA; et al. *Comput Radiol* 1986; 4: 239
- intracranial ependymomas: results of treatment with partial or whole brain irradiation without spinal irradiation. Wallner KE; Wara WM; Shelton GE; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1937
- intracranial extramedullary ependymoma: MR-pathologic correlation. Wagle WA; Kaufman B; Mincy JE. *JCAT* 1988; 12: 705
- postoperative radiotherapy of intracranial ependymoma in pediatric and adult patients. Shaw EG; Evans RG; Scheithauer BW; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1457
- radiotherapeutic management of adult intracranial ependymomas. Shaw EG; Evans RG; Scheithauer BW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 323
- secondary ependymoma presenting as a presellar mass. Kolawole TM; Qteishat WA; Patel PJ; et al. *CT* 1988; 12: 108
- supratentorial ependymomas: computed tomographic and pathologic correlations. Van Tassel P; Lee Y-Y; Bruner JM. *CT* 1986; 10: 157
- Epidermoid**
- demonstration radiologique d'un kyste epidermoide intradural rupture. Boucher J; Heon M; Levesque R-Y. *J Canad Assoc Radiol* 1987; 38: 17
- epidermoid tumor: unusual cause of ossification within the spinal canal. Willinsky RA; Tator CH; Lewis AJ; et al. *J Canad Assoc Radiol* 1986; 37: 56
- intracranial gyriform calcification associated with subarachnoid fat. Machen BC; Williams JP; Lum GB; et al. *CT* 1986; 10: 385
- intraspinal epidermoid tumors caused by lumbar puncture. (ab). McDonald JV; Klump TE. *Radiology* 1987; 163: 592
- magnetic resonance imaging of intracranial epidermoids: report of two cases. Rooney MS; Poon PY; Wortzman G. *J Canad Assoc Radiol* 1987; 38: 283
- magnetic resonance imaging of intraspinal epidermoid cyst: case report. Phillips J; Chiu L. *CT* 1987; 11: 181
- MR imaging of epidermoid cysts. Vion-Dury J; Vincentelli F; Jiddane M; et al. *Neuroradiol* 1987; 29: 333
- MR imaging of primary epidermoid tumors. Steffey DJ; De Filipp GJ; Spera T; et al. *JCAT* 1988; 12: 438
- MR of fourth-ventricular epidermoid tumors. Yuh WTC; Barloon TJ; Jacoby CG; et al. *AJNR* 1988; 9: 794
- Epididymis**
- MR imaging of the scrotum: normal anatomy. Baker LL; Hajek PC; Burkhard TK; Dicapua L; Leopold GR; Hesselink JR; Mattrey RF. *Radiology* 1987; 163: 89
- MR imaging of the scrotum: pathologic conditions. Baker LL; Hajek PC; Burkhard TK; Dicapua L; Landa HM; Leopold GR; Hesselink JR; Mattrey RF. *Radiology* 1987; 163: 93
- MR imaging of the scrotum with a high-resolution surface coil. Rohli KS; Lee JKT; Ling D; Heiken JP; Glazer HS. *Radiology* 1987; 163: 99
- testes and scrotum: MR imaging at 1.5 T. Seidenwurm D; Smathers RL; Lo RK; Carrol CL; Bassett J; Hoffman AR. *Radiology* 1987; 164: 393
- Epididymitis, US studies**
- metastatic melanoma to the epididymis suspected on preoperative ultrasound. Anderson MW; McGahan JP. *JCU* 1986; 14: 644
- ultrasonographic detection of epididymal sarcoidosis. Forte MD; Brant WE. *JCU* 1988; 16: 191
- Epididymitis**
- evaluation of the role of the intravenous urogram in the management of patients with epididymo-orchitis. Cooke DI; Williams CE; Fowler RC. *Clin Radiol* 1987; 38: 255
- evolution of acute epididymitis to testicular infarction: scintigraphic demonstration. Vieras F. *Clin Nucl Med* 1986; 11: 158
- scrotal ultrasonography: a predictor of complicated epididymitis requiring orchiectomy. (ab). See WA; Mack LA; Krieger JN. *Radiology* 1988; 168: 884
- Epiglottitis, cysts**
- airway-obstructing epiglottic cyst. (ab). Henderson LT; Denneny JC III; Teichgraber J. *Radiology* 1986; 161: 861
- computed tomography of infected epiglottic cyst. Casselman J; Oyen R; Baert A; et al. *JCAT* 1986; 10: 694
- Epiglottitis**
- thermal epiglottitis after swallowing hot beverages. (ab). Kulick RM; Selbst SM; Baker MD; et al. *Radiology* 1988; 168: 888
- Epilepsy**
- association of heterotopic gray matter with seizures: MR imaging, work in progress. Smith AS; Weinstein MA; Quencer RM; Muroff LR; Stonesifer KJ; Li FC; Wener L; Solomon MA; Cruise RP; Rosenberg LH; Berke JP. *Radiology* 1988; 168: 195
- cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies. Ormon MJ; Kasper DB; Sharbrough FW; Houser OW; Earnest F IV; Scheithauer BW; Laws ER Jr. *Radiology* 1986; 166: 215
- ipamidol 300—induced epilepsy: intensive treatment and pathogenic hypothesis. Carchietti E; Baldassarre M; Penco T; et al. *Neuroradiol* 1988; 30: 256
- magnetic resonance imaging in partial complex epilepsy. (ab). Jabbari B; Gunderson CH; Wippold F; et al. *Radiology* 1987; 163: 592
- magnetic resonance imaging of mesial temporal sclerosis: case reports. Maertens PM; Machen BC; Williams JP; et al. *CT* 1987; 11: 136
- modified CT techniques in the evaluation of temporal lobe epilepsy prior to lobectomy. El Gammal T; Adams RJ; King DW; et al. *AJNR* 1987; 8: 131
- MR and CT characteristics of gangliocytoma: a rare cause of epilepsy in children. Altman NR. *AJNR* 1988; 9: 917
- MRI in epilepsy. Gerard G; Shabas D; Rossi D. *Comput Radiol* 1987; 11: 223
- nonrefractory temporal lobe epilepsy: 1.5-T MR imaging. Triulzi F; Franceschi M; Fazio F; Del Maschio A. *Radiology* 1988; 166: 181
- selective posterior cerebral artery amylase test for evaluating memory function before surgery for temporal lobe seizure. Jack CR Jr; Nichols DA; Sharbrough FW; Marsh WR; Petersen RC. *Radiology* 1988; 168: 787
- technetium-99m HM-PAO brain SPECT in epileptic patients before and during unilateral hemispheric anesthesia (Wada test): report of three cases. Biernacki HJ; Linke D; Brüssel F; et al. *J Nucl Med* 1987; 28: 1763
- temporal-lobe epilepsy: comparison of CT and MR imaging. Schörner W; Meencke H-J; Felix R. *AJNR* 1987; 8: 773
- temporal-lobe epilepsy: comparison of CT and MR imaging. Schörner W; Meencke H-J; Felix R. *AJR* 1987; 149: 1231
- use of MR imaging for quantitative evaluation of resection for temporal lobe epilepsy. Jack CR Jr; Sharbrough FW; Marsh WR. *Radiology* 1988; 169: 463
- whither the Wada? Miller DL; Fedio P. *Radiology* 1988; 168: 871
- Epinephrine**
- pain control after percutaneous biliary drainage: local infiltration with bupivacaine and epinephrine. Lieberman RP; Sledner PR. *AJR* 1986; 146: 595
- Erythrocytes**
- See Red blood cells
- Esophagitis**
- acute alcoholic esophagitis. O'Riordan D; Levine MS; Laufer I. *J Canad Assoc Radiol* 1986; 37: 54
- adult esophageal candidiasis: radiographic spectrum. Roberts L Jr; Gibbons R; Gibbons G; Rice RP; Thompson WM. *Radiographics* 1987; 7: 289
- analysis of a multiphasic radiographic examination for detecting reflux esophagitis. Ott DJ; Chen YM; Gelfand DW; et al. *Gastrointest Radiol* 1986; 11: 1
- bacterial esophagitis in immunocompromised patients. (ab). Walsh TJ; Belitao NJ; Hamilton SR. *Radiology* 1987; 162: 290
- Barrett esophagus: decreased esophageal clearance shown by radionuclide esophageal scintigraphy. Karvelis KC; Drane WE; Johnson DA; Silverman ED. *Radiology* 1987; 162: 97
- comparative assessment of tube esophagography with double-contrast esophagography in the detection of reflux esophagitis. Zalev AH; Rahmani MR; Henderson RD. *J Canad Assoc Radiol* 1987; 38: 45

Esophagitis

- cytomegalovirus esophagitis in AIDS: radiographic features in 16 patients, Balthazar EJ; Megibow AJ; Hulnick D; et al, *AJR* 1987; 149: 919
- esophagitis: frequent consequence of gastroesophageal reflux in infancy, (ab), Shub MD; Ullshen MH; Hargrove CB; et al, *Radiology* 1986; 159: 576
- focal esophageal candidiasis in acquired immunodeficiency syndrome (AIDS), Farman J; Tavittian A; Rosenthal LE; et al, *Gastrointest Radiol* 1986; 11: 213
- herpes esophagitis: sensitivity of double-contrast esophagography, Levine MS; Loevner LA; Saul SH; et al, *AJR* 1988; 151: 57
- medication-induced esophagitis, Agha FP; Wilson JAP; Nostrand TT, *Gastrointest Radiol* 1986; 11: 7
- medication-induced esophagitis: diagnosis by double-contrast esophagography, Bova JG; Dutton NE; Goldstein HM; et al, *AJR* 1987; 148: 731
- oesophageal function before, during, and after healing of erosive oesophagitis, (ab), Baldi F; Ferrarini F; Longanesi A; et al, *Radiology* 1988; 169: 880
- opportunistic esophagitis in AIDS: radiographic diagnosis, Levine MS; Woldenberg R; Herlinger H; Laufer I, *Radiology* 1987; 165: 815
- pseudomembranes in reflux esophagitis, Levine MS; Cade AJ; Herlinger H; Laufer I, *Radiology* 1986; 159: 43
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, *Radiology* 1988; 166: 553
- reflux esophagitis and oesophageal transit: evidence for a primary oesophageal motor disorder, (ab), Eriksen CA; Sadek SA; Cranford C; et al, *Radiology* 1988; 169: 880
- state-of-the-art barium examination in opportunistic esophagitis, (ab), Vahey TN; Maglione DDT; Chernish SM, *Radiology* 1987; 163: 837
- ### Esophagus
- esophageal speech: double-contrast evaluation of the pharyngo-esophageal segment, Timmons JH; Howard WH; Wright HR Jr, *Radiology* 1986; 160: 852
- radiographic evaluation of Blom-Singer prosthesis, Vincent ME; Robbins AH, *Radiology* 1987; 162: 289
- upper esophageal sphincter area, Ekberg O; Lindstrom C, *Acta Radiol* 1987; 28: 173
- ### Esophagus, abnormalities
- adenomas arising in Barrett's esophagus, (ab), Lee RG, *Radiology* 1987; 162: 586
- antenatal detection of esophageal atresia with distal tracheoesophageal fistula, Rahmani MR; Zalek AH, *JCU* 1986; 14: 143
- Barrett's esophagus: a radiologic diagnosis?, Levine MS, *AJR* 1988; 151: 433
- Barrett's esophagus: diagnosis by double-contrast esophagography, Gilchrist AM; Levine MS; Carr RF; et al, *AJR* 1988; 150: 97
- diagnosis and evaluation of esophageal atresia by direct sagittal CT, Tam PKH; Chan FL; Saing H, *Pediatr Radiol* 1987; 17: 68
- distal esophageal ballooning following Heller myotomy, Rubenstein SE; Kennedy M; Levine MS; Rosato EF; Laufer I, *Radiology* 1988; 167: 345
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubenstein SE; Herlinger H; Laufer I, *Radiology* 1988; 168: 593
- enterolithiasis in two neonates with oesophageal and anorectal atresia, Poullaud JM; Meyer P; Minh VT; et al, *Pediatr Radiol* 1987; 17: 419
- esophageal atresia and hypertrophic pyloric stenosis: sequential coexistence of disease (case report), Maglione AD, *AJR* 1986; 147: 329
- esophageal deviation: pushed or pulled?, Levine MS; Gilchrist AM, *AJR* 1987; 149: 513
- esophageal disruption: evaluation with iohexol esophagography, Brick SH; Caroline DF; Lev-Toaff AS; Friedman AC; Grumbach K; Radecki PD, *Radiology* 1988; 169: 141
- esophageal stenosis with esophageal atresia, Thomason LA; Gay BB, *Pediatr Radiol* 1987; 17: 157
- is there an accessory sphincter of the cervical oesophagus?, Ekberg O; Borgström P; Lindgren S, *Br J Radiol* 1988; 61: 341
- natural progression of the lower esophageal mucosal ring, Chen YM; Gelfand DW; Ott DJ; et al, *Gastrointest Radiol* 1987; 12: 93
- radiographic findings in children and young adults with Barrett's esophagus, Yulish BS; Rothstein FC; Halpin TC Jr, *AJR* 1987; 148: 353
- radiologic and manometric correlation in "nutcracker esophagus", Ott DJ; Richter JE; Wu WC; et al, *AJR* 1986; 147: 693
- radiologic diagnosis of Barrett's esophagus: critical analysis of 65 cases, Agha FP, *Gastrointest Radiol* 1986; 11: 123
- symptomatic congenital ectopic gastric mucosa in the upper esophagus, Williams SM; May C; Krause DW; et al, *AJR* 1987; 148: 147
- treatment of post-operative and peptic esophageal strictures after esophageal atresia repair: a program including dilatation with balloon catheters, Hoffer FA; Winter HS; Fellows KE; et al, *Pediatr Radiol* 1987; 17: 454
- ### Esophagus, achalasia
- association of achalasia and pulmonary mycobacterium fortuitum infection, Aronchick JM; Miller WT; Epstein DM; Gefter WB, *Radiology* 1986; 160: 85
- distal esophageal ballooning following Heller myotomy, Rubenstein SE; Kennedy M; Levine MS; Rosato EF; Laufer I, *Radiology* 1988; 167: 345
- esophagus after endoscopic pneumatic balloon dilatation for achalasia, Agha FP; Lee HH, *AJR* 1986; 146: 25
- inevitable progression?, Hansell DM, *Br J Radiol* 1986; 59: 521
- radiologic amyl nitrite test for distinguishing pseudoachalasia from idiopathic achalasia, Dods WJ; Stewart ET; Kishk SM; et al, *AJR* 1986; 146: 21
- syndrome of achalasia of the esophagus, ACTH insensitivity and alacrima, Ambrosino MM; Genieser NB; Bangaru BS; et al, *Pediatr Radiol* 1986; 16: 328
- ### Esophagus, atresia
- See Esophagus, abnormalities
- ### Esophagus, CT
- Angelchik antireflux device: computed tomography appearance, Sussman SK; Illiescu FF; Woodruff WW III; et al, *CT* 1987; 11: 212
- computed tomographic staging of gastrointestinal tract malignancies, part I. esophagus and stomach, Halvorsen RA Jr; Thompson WM, *Invest Radiol* 1987; 22: 2
- computed tomography evaluation of tracheoesophageal fistula, Vaid YN; Shin MS, *CT* 1986; 10: 281
- computed tomography following endoscopic sclerotherapy of esophageal varices, Ikezoe J; Morimoto S; Akira M; et al, *Acta Radiol* 1987; 28: 415
- computed tomography of the esophagus, Marx MV; Balfe DM, *Semin US CT MR* 1987; 8: 316
- CT after uncomplicated esophageal sclerotherapy, Mauro MA; Jaques PF; Swankowski TM; et al, *AJR* 1986; 147: 57
- CT evaluation of esophageal varices, Balthazar EJ; Naidich DP; Megibow AJ; et al, *AJR* 1987; 148: 131
- CT evaluation of patients undergoing transhiatal esophagectomy for cancer, Becker CD; Barbier PA; Porcellini B, *JCAT* 1986; 10: 607
- CT of esophageal-pleural fistulae, Wechsler RJ, *AJR* 1986; 147: 907
- diagnosis and evaluation of esophageal atresia by direct sagittal CT, Tam PKH; Chan FL; Saing H, *Pediatr Radiol* 1987; 17: 68
- diagnosis of epiphrenic esophageal diverticulum by computed tomography, Kim KW; Berkmen YM; Auh YH; et al, *CT* 1988; 12: 25
- esophageal cancer staging by CT: long-term follow-up study, Halvorsen RA Jr; Magruder-Habib K; Foster WL Jr; Roberts L Jr; Postlethwait RW; Thompson WM, *Radiology* 1986; 161: 147
- fibrovascular polyp of the esophagus: the appearances on computed tomography, Walters NA; Coral A, *Br J Radiol* 1988; 61: 641
- giant fibroadipose polyp of the esophagus, Radin DR, *CT* 1988; 12: 226
- perforation of distal esophagus with lesser sac extension: CT demonstration, Allen KS; Siskind BN; Burrell MI, *JCAT* 1986; 10: 612
- spontaneous esophageal hematoma diagnosed by computed tomography, Demos TC; Okrent DH; Studio JD; et al, *JCAT* 1986; 10: 133
- value of opacification of the esophagus by low density barium paste in computer tomography of the thorax, Conces DJ Jr; Tarver RD; Lappas JC, *JCAT* 1988; 12: 202
- ### Esophagus, cysts
- cervical esophageal duplication cyst: MR imaging, Rhee RS; Ray CG III; Kravetz MH; et al, *JCAT* 1988; 12: 693
- congenital esophageal cysts in adults, (ab), Salo JA; Ala-Kulju KV, *Radiology* 1988; 166: 908
- MRI appearance of esophageal duplication cyst, Lupetin AR; Dash N, *Gastrointest Radiol* 1987; 12: 7
- pediatric case of the day: annual meeting, 1985, Bisset GS III; Towbin RB, *Radiographics* 1986; 6: 917
- ### Esophagus, diseases
- Barrett esophagus: decreased esophageal clearance shown by radionuclide esophageal scintigraphy, Karvelis KC; Drane WE; Johnson DA; Silverman ED, *Radiology* 1987; 162: 97
- Barrett's esophagus in scleroderma: increased prevalence and radiographic findings, Recht MP; Levine MS; Katzka DA; et al, *Gastrointest Radiol* 1988; 13: 1
- blastomycosis of the esophagus presenting with gastrointestinal bleeding, (ab), McKenzie R; Khakoo R, *Radiology* 1986; 158: 568
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry, Drane WE; Johnson DA; Hagan DP; Cattau EL Jr, *Radiology* 1987; 163: 33
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry, Richter JE; Wu WC; Ott DJ; Chen YM, *Radiology* 1987; 164: 877
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry: reply, Drane WE, *Radiology* 1987; 164: 877
- progressive systemic sclerosis: radionuclide esophageal scintigraphy and manometry, Drane WE; Karvelis K; Johnson DA; Curran JJ; Silverman ED, *Radiology* 1986; 160: 73
- transhiatal esophagectomy for benign disease, (ab), Orringer MB, *Radiology* 1986; 160: 283
- tuberculosis affecting the esophagus, McNamara M; Williams CE; Brown TS; et al, *Clin Radiol* 1987; 38: 419
- ### Esophagus, diverticula
- diagnosis of epiphrenic esophageal diverticulum by computed tomography, Kim KW; Berkmen YM; Auh YH; et al, *CT* 1988; 12: 25
- esophageal intramural pseudodiverticulosis: reevaluation, Levine MS; Moolten DN; Herlinger H; et al, *AJR* 1986; 147: 1165
- esophageal leiomyoma arising in an epiphrenic diverticulum, Hamilton S, *Eur J Radiol* 1988; 8: 118
- radiographic findings after cricopharyngeal myotomy, Ekberg O; Besjakov J; Lindgren S, *Acta Radiol* 1987; 28: 555
- ### Esophagus, effects of irradiation on
- esophageal fistula associated with intracavitary irradiation for esophageal carcinoma, Hishikawa Y; Tanaka S; Miura T, *Radiology* 1986; 159: 549
- esophageal stricture following high-dose-rate intracavitary irradiation for esophageal cancer, Hishikawa Y; Kamikonya N; Tanaka S; Miura T, *Radiology* 1986; 159: 715
- ### Esophagus, foreign bodies
- See Foreign bodies, in air and food passages
- ### Esophagus, function
- Barrett esophagus: decreased esophageal clearance shown by radionuclide esophageal scintigraphy, Karvelis KC; Drane WE; Johnson DA; Silverman ED, *Radiology* 1987; 162: 97
- dysfunction of the pharyngo-oesophageal segment in patients with normal opening of the upper oesophageal sphincter: a cineradiographic study, Ekberg O, *Br J Radiol* 1987; 60: 637

- oesophageal function before, during, and after healing of erosive oesophagitis. (ab), Baldi F; Ferrarini F; Longanesi A; et al. *Radiology* 1988; 169: 880
- oesophageal manometry: how well does it predict oesophageal function. (ab), Russell COH; Whelan G. *Radiology* 1988; 168: 291
- pharyngeal and oesophageal function in patients with diabetes mellitus and swallowing complaints. Borgström PS; Olsson R; Sundkvist G; et al. *Br J Radiol* 1988; 61: 817
- reflux oesophagitis and oesophageal transit: evidence for a primary oesophageal motor disorder. (ab), Eriksen CA; Sadek SA; Cranford C; et al. *Radiology* 1988; 169: 880
- scintigraphic detection of metoclopramide oesophageal stimulation in progressive systemic sclerosis. Drane WE; Karvelis K; Johnson DA; et al. *J Nucl Med* 1987; 28: 810
- specificity and sensitivity of oesophageal motor abnormality in systemic sclerosis (scleroderma) and related diseases: cineradiographic study. Campbell WL; Schultz JC. *Gastrointest Radiol* 1986; 11: 218
- Esophagus, grafts**
- motor activity of esophageal substitute (stomach, jejunal, and colon segments). (ab), Moreno-Osset E; Tomas-Ridocci M; Paris F; et al. *Radiology* 1986; 161: 282
- Esophagus, hemorrhage**
- oesophageal haematoma: report of three cases. Herbelto J; Brunton FJ. *Clin Radiol* 1988; 39: 462
- spontaneous esophageal hematoma diagnosed by computed tomography. Demos TC; Ökrent DH; Studio JD; et al. *JCAT* 1986; 10: 133
- vascular neoplasm of the esophagus with life-threatening hemorrhage: report of a case. Hoewels J; Raute-Kreinsen U; Reiter J; et al. *Acta Radiol* 1986; 27: 29
- Esophagus, inflammation**
- See Esophagitis
- Esophagus, injuries**
- electrical injury in the esophagus. Flisak ME; Berman S. *AJR* 1988; 156: 103
- Esophagus, interventional procedure**
- anastomotic strictures of the upper gastrointestinal tract: results of balloon dilation. de Lange EE; Shaffer HA Jr. *Radiology* 1988; 167: 45
- esophageal anastomotic leaks: preliminary results of treatment with balloon dilation. de Lange EE; Shaffer HA Jr; Daniel TM; Kron IL. *Radiology* 1987; 165: 45
- geometry of triple-balloon dilation. Gaylord GM; Pritchard WF; Chuang VP; Casarella WJ; Sprawls P. *Radiology* 1988; 166: 541
- treatment of post-operative and peptic esophageal strictures after esophageal atresia repair: a program including dilatation with balloon catheters. Hoffer FA; Winter HS; Fellows KE; et al. *Pediatr Radiol* 1987; 17: 454
- Esophagus, motility**
- Barrett esophagus: decreased esophageal clearance shown by radionuclide esophageal scintigraphy. Karvelis K; Drane WE; Johnson DA; Silverman ED. *Radiology* 1987; 162: 97
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry. Drane WE; Johnson DA; Hagan DP; Cattau EL Jr. *Radiology* 1987; 163: 33
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry. Richter JE; Wu WC; Ott DJ; Chen YM. *Radiology* 1987; 164: 877
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry: reply. Drane WE. *Radiology* 1987; 164: 877
- scintigraphic assessment of esophageal motility: what does it show and how reliable is it? (ab), Mughal MM; Marples M; Banciewicz J. *Radiology* 1987; 163: 289
- Esophagus, MR studies**
- cervical esophageal duplication cyst: MR imaging. Rhee RS; Ray CG III; Kravetz MH; et al. *JCAT* 1988; 12: 693
- MRI appearance of esophageal duplication cyst. Lupetin AR; Dash N. *Gastrointest Radiol* 1987; 12: 7
- Esophagus, mucosa**
- pseudomembranes in reflux esophagitis. Levine MS; Cajas AG; Herlinger H; Laufer I. *Radiology* 1986; 159: 43
- Esophagus, neoplasms**
- adenocarcinoma of the distal esophagus and gastric cardia: comparison of results of transhiatal esophagectomy and thoracoabdominal esophagegastrectomy. (ab), Goldfaden D; Orringer MB; Appelman HD; et al. *Radiology* 1986; 161: 282
- adenomas arising in Barrett's esophagus. (ab), Lee RG. *Radiology* 1987; 162: 586
- bone metastasis from carcinoma of the esophagus. Bhushan B; Watal G; Ahmed A; et al. *Australas Radiol* 1987; 31: 414
- case of the season. Pope TL Jr. *Semin Roentgenol* 1987; 22: 137
- chemo/radiation with and without surgery in the thoracic esophagus: the Wayne State experience. Herkovic A; Leichman L; Laitin P; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 655
- colon interposition: long-term radiographic results. Isolaari J; Paakkala T; Arajärvi P; et al. *Eur J Radiol* 1987; 7: 248
- combined modality therapy for oesophageal squamous cell carcinoma. Pedersen H; Hansen HS; Bertelsen S; et al. *Acta Oncol* 1987; 26: 175
- comparative features of esophageal and gastric adenocarcinomas: recent changes in type and frequency. (ab), Wang HH; Antonilli DA; Goldman R. *Radiology* 1986; 161: 858
- comparison of three treatment strategies for esophageal cancer within a single institution. Richmond J; Seycel HG; Bae Y; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1617
- computed tomographic staging of gastrointestinal tract malignancies. part I. esophagus and stomach. Halvorsen RA Jr; Thompson WM. *Invest Radiol* 1987; 22: 2
- CT demonstration of fistula between esophageal carcinoma and spinal canal. Cornwell J; Walden C; Ghahremani GG. *JCAT* 1986; 10: 871
- CT evaluation of patients undergoing transhiatal esophagectomy for cancer. Becker CD; Barbier PA; Porcellini B. *JCAT* 1986; 10: 607
- double-contrast upper gastrointestinal examination: technique and interpretation. Levine MS; Rubenstein SE; Herlinger H; Laufer I. *Radiology* 1988; 168: 593
- early esophageal cancer. Levine MS; Dillon EC; Saul SH; et al. *AJR* 1986; 146: 507
- efficacy of radiologic studies in the detection of Barrett's esophagus. Chermn MM; Amberg JR; Kogan FJ; et al. *AJR* 1986; 147: 257
- endoscopic ultrasonography of esophageal tumors and compressions. Silva SA; Kouzu T; Ogino Y; et al. *JCU* 1988; 16: 149
- esophageal cancer staging by CT: long-term follow-up study. Halvorsen RA Jr; Magruder-Habib K; Foster WL Jr; Roberts L Jr; Postlethwait RW; Thompson WM. *Radiology* 1986; 161: 147
- esophageal carcinoma: modest benefits from combined modality therapy. Hancock SL; Goffinet DR; Carlson RW; Mark JBD. *Radiology* 1987; 164: 603
- esophageal carcinoma: radiologic appearance of minimal lesions. Cozzi G; Bellomi M; Gariboldi M; et al. *Acta Radiol* 1987; 28: 177
- esophageal malignancy: imaging results and complications of combined endoscopic-radiologic palliation. Jaffe MH; Fleischer D; Zeman KK; Benjamin SB; Choyke PL; Clark LR. *Radiology* 1987; 164: 623
- fibrovascular polyp of the esophagus: the appearances on computed tomography. Walters NA; Coral A. *Br J Radiol* 1988; 61: 641
- gastric cardia metastasis in esophageal carcinoma. Glick SN; Teplick SK; Levine MS; Caroline DF. *Radiology* 1986; 160: 627
- gastric interposition in esophageal carcinoma as a cause of pseudomass on thyroid imaging. Warner T; Jain SC; Maitra AG. *Clin Nucl Med* 1986; 11: 798
- giant fibroadipose polyp of the esophagus. Radin DR. *CT* 1988; 12: 226
- heat, drugs, and radiation given in combination is palliative for unresectable esophageal cancer. Kai H; Matsufuji H; Okudaira Y; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1147
- inevitable progression? Hansell DM. *Br J Radiol* 1986; 59: 521
- le carcinome a petites cellules ("oat cell" carcinoma) de l'oesophage, une lesion rare: presentation de deux nouveaux cas. Hurtubise M; Paquin F. *J Canad Assoc Radiol* 1986; 37: 104
- massive pneumoperitoneum following laser therapy of inoperable oesophageal carcinoma. Brooks PT; Troop AC; Barr H; et al. *Clin Radiol* 1988; 39: 305
- neurofibroma of the esophagus: case report. Madrid G; Pardo J; Perez C; et al. *Eur J Radiol* 1986; 6: 67
- para-oesophageal synovial sarcoma. Pulpeiro JR; Cruz R; Arenas A; et al. *Eur J Radiol* 1988; 8: 120
- patterns of recurrence of esophageal carcinoma after transhiatal esophagectomy and gastric interposition. Becker CD; Barbier PA; Terrier F; et al. *AJR* 1987; 148: 273
- preoperative radiation and chemotherapy for localized squamous cell carcinoma of the esophagus: a RTSG study. Seydel HG; Leichman L; Byhardt R; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 33
- profound xenon-133 trapping in left main bronchus: obstruction by necrotic tumor. Hartsorne MF; Brown JM; Cawthon MA; et al. *Clin Nucl Med* 1986; 11: 525
- pulmonary complications of multimodality therapy for esophageal carcinoma. Duprat G Jr; Chalaoui J; Sylvestre J; et al. *J Canad Assoc Radiol* 1987; 38: 27
- radiation therapy of esophageal carcinoma: correlation of clinical and radiographic findings. Levine MS; Langer J; Laufer I; et al. *Gastrointest Radiol* 1987; 12: 99
- radiographic appearance of the esophagus and stomach after laser treatment of obstructing carcinoma. Wolf EL; Frager J; Brandt LJ; et al. *AJR* 1986; 146: 519
- radiographic microstructures of early esophageal carcinoma: correlation of specimen radiography with pathologic findings and clinical radiography. Sato T; Sakai Y; Kajita A; et al. *Gastrointest Radiol* 1986; 11: 12
- secondary neoplasms of the esophagus. Agha FP. *Gastrointest Radiol* 1987; 12: 187
- squamous cell carcinoma of the esophagus in patients with acquired immunodeficiency syndrome. Frager DH; Wolf EL; Competiello LS. *Gastrointest Radiol* 1988; 13: 358
- systemic sclerosis (scleroderma) and esophageal adenocarcinoma: is increased patient screening necessary? (ab), Segel MC; Campbell WL; Medsger TA Jr; et al. *Radiology* 1986; 160: 284
- two cases of primary malignant melanoma of the esophagus. Inaacs JL; Quirke P. *Clin Radiol* 1988; 39: 455
- unusual metastases from esophageal carcinoma: computed tomography demonstration. Varma DGK; Godwala T. *CT* 1987; 11: 205
- vascular neoplasm of the esophagus with life-threatening hemorrhage: report of a case. Hoewels J; Raute-Kreinsen U; Reiter J; et al. *Acta Radiol* 1986; 27: 29
- Esophagus, obstruction**
- See Esophagus, stenosis or obstruction
- Esophagus, perforation**
- catheter perforation of distal esophagus with duodenal re-entry of catheter: report of a case. Bundgaard T; Kristensen H; Lesak F. *Acta Radiol* 1988; 29: 211
- clinical use of Hexabrix for radiological evaluation of leakage from the upper gastrointestinal tract based on experimental study. Ginali AZ. *Br J Radiol* 1987; 60: 343
- delayed diagnosis of esophageal perforation by aluminum foreign bodies. Eggi KD; Potter BM; Garcia V; et al. *Pediatr Radiol* 1986; 16: 511
- diagnosis and recommended management of esophageal perforation and rupture. (ab). Bladergroen MR; Lowe JE; Postlethwait RW. *Radiology* 1987; 163: 588

Esophagus, perforation

- esophageal disruption: evaluation with iohexol esophagography, Brick SH; Caroline DF; Lev-Toaff AS; Friedman AC; Grumbach K; Radecki PD, Radiology 1988; 169: 141
- esophageal malignancy: imaging results and complications of combined endoscopic-radiologic palliation, Jaffe MH; Fleischer D; Zeman RK; Benjamin SB; Choyke PL; Clark LR, Radiology 1987; 164: 623
- perforation of distal esophagus with lesser sac extension: CT demonstration, Allen KS; Siskind BN; Burrell MI, JCAT 1986; 10: 612
- retrocardiac pneumomediastinum in association with tracheal and esophageal perforations, Amodio JB; Berdon WE; Abramson SJ; et al, Pediatr Radiol 1976; 16: 380
- transesophageal drainage of mediastinal abscesses, Meranze SG; LeVein RF; Burke DR; Cope C; McLean GK, Radiology 1987; 165: 395
- ## Esophagus, postoperative
- anastomotic strictures of the upper gastrointestinal tract: results of balloon dilation, de Lange EE; Shaffer HA Jr, Radiology 1988; 167: 45
- distal esophageal ballooning following Heller myotomy, Rubenstein SE; Kennedy M; Levine MS; Rosato EF; Laufer I, Radiology 1988; 167: 345
- esophageal anastomotic leaks: preliminary results of treatment with balloon dilation, de Lange EE; Shaffer HA Jr; Daniel TM; Kron IL, Radiology 1987; 165: 45
- esophageal disruption: evaluation with iohexol esophagography, Brick SH; Caroline DF; Lev-Toaff AS; Friedman AC; Grumbach K; Radecki PD, Radiology 1988; 169: 141
- ## Esophagus, radiography
- adult esophageal candidiasis: radiographic spectrum, Roberts L Jr; Gibbons R; Gibbons G; Rice RP; Thompson WM, Radiographics 1987; 7: 289
- alternative technique for double-contrast esophagography (technical note), Tash RR; Weingarten M; Geller M, AJR 1986; 147: 266
- Barrett's esophagus: diagnosis by double-contrast esophagography, Gilchrist AM; Levine MS; Carr RF; et al, AJR 1988; 150: 97
- coin ingestion: unusual appearance of the penny in a child, Fernbach SK; Tucker GF, Radiology 1986; 158: 512
- comparative assessment of tube esophagography with double-contrast esophagography in the detection of reflux esophagitis, Zalev AH; Rahmani MR; Henderson RD, J Canad Assoc Radiol 1987; 38: 45
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubenstein SE; Herlinger H; Laufer I, Radiology 1988; 168: 593
- drinking cup for double-contrast esophagography, David EFL, Radiology 1988; 168: 564
- efficacy of radiologic studies in the detection of Barrett's esophagus, Chernin MM; Amberg JR; Kogan FJ; et al, AJR 1986; 147: 257
- esophageal radiography and manometry: correlation in 172 patients with dysphagia, Ott DJ; Richter JE; Chen YM; et al, AJR 1987; 149: 307
- natural progression of the lower esophageal mucosal ring, Chen YM; Gelfand DW; Ott DJ; et al, Gastrointest Radiol 1987; 12: 93
- pseudomembranes in reflux esophagitis, Levine MS; Cajas AG; Herlinger H; Laufer I, Radiology 1986; 159: 43
- radiographic and endoscopic sensitivity in detecting lower esophageal mucosal ring, Ott DJ; Chen YM; Wu WC; et al, AJR 1986; 147: 261
- simple technique for double-contrast esophagograms, Young PMF, Br J Radiol 1987; 60: 1021
- state-of-the-art barium examination in opportunistic esophagitis, (ab), Vahey TN; Maglinte DDT; Chernish SM, Radiology 1987; 163: 837
- ## Esophagus, radionuclide studies
- Barrett esophagus: decreased esophageal clearance shown by radionuclide esophageal scintigraphy, Karvelis KC; Drane WE; Johnson DA; Silverman ED, Radiology 1987; 162: 97
- detection of esophageal ulcerations with technetium-99m albumin sulfurate, Goff JS; Adcock KA; Schmelter R, J Nucl Med 1986; 27: 1143
- nuclear medicine and esophageal surgery, Taillefer R; Beauchamp G; Durancieu AC; et al, Clin Nucl Med 1986; 11: 445
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry, Drane WE; Johnson DA; Hagan DP; Cattau EL Jr, Radiology 1987; 163: 33
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry, Richter JE; Wu WC; Ott DJ; Chen YM, Radiology 1987; 164: 877
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry: reply, Drane WE, Radiology 1987; 164: 877
- progressive systemic sclerosis: radionuclide esophageal scintigraphy and manometry, Drane WE; Karvelis K; Johnson DA; Curran JJ; Silverman ED, Radiology 1986; 160: 73
- scintigraphic assessment of esophageal motility: what does it show and how reliable is it?, (ab), Mughal MM; Marples M; Banciewicz J, Radiology 1987; 163: 289
- scintigraphic detection of metaclopramide esophageal stimulation in progressive systemic sclerosis, Drane WE; Karvelis K; Johnson DA; et al, J Nucl Med 1987; 28: 810
- what is the significance of the abnormal oesophageal scintigram?, Gilchrist AM; Laird JD; Ferguson WR, Clin Radiol 1987; 38: 509
- ## Esophagus, reflux
- Angelchik antireflux device: computed tomography appearance, Sussman SK; Illescas FF; Woodruff WW III; et al, CT 1987; 11: 212
- aspiration of solid food particles into lungs of patients with gastroesophageal reflux and chronic bronchial disease, (ab), Crausaz FM; Favez G, Radiology 1988; 168: 587
- association of cystic fibrosis, gastroesophageal reflux, and reduced pulmonary function, Stringer DA; Sprigg A; Juodis E; et al, J Canad Assoc Radiol 1988; 39: 100
- barium radiology: sensitive test for gastro-oesophageal reflux, Sellar RJ; De Caestecker JS; Heading RC, Clin Radiol 1987; 38: 303
- Barrett esophagus: decreased esophageal clearance shown by radionuclide esophageal scintigraphy, Karvelis KC; Drane WE; Johnson DA; Silverman ED, Radiology 1987; 162: 97
- esophageal dilatation and reflux in neonates supported by ECMO after diaphragmatic hernia repair, Stolar CJH; Berdon WE; Dillon PW; et al, AJR 1988; 151: 135
- esophagitis: frequent consequence of gastroesophageal reflux in infancy, (ab), Shub MD; Ullshen MH; Hargrove CB; et al, Radiology 1986; 159: 576
- food-stimulated gastro-oesophageal reflux demonstrated by barium examination, Christiansen T; Thommesen P, Acta Radiol 1986; 27: 45
- gastric emptying with gastro-oesophageal reflux, (ab), Di Lorenzo C; Piepsz A; Ham H; et al, Radiology 1988; 167: 591
- gastroesophageal reflux demonstrated by hepatobiliary imaging in scleroderma, Sawaf NW; Orzel JA; Weiland FL, J Nucl Med 1987; 28: 387
- gastroesophageal reflux: how much imaging is required?, Swischuk LE; Fawcett HD; Hayden CK Jr; Isenberg JN, Radiographics 1988; 8: 1137
- gastroesophageal reflux in children: is there a place for the upper gastrointestinal study?, Blane CE; Klein MD; Drongowski RA; et al, Gastrointest Radiol 1986; 11: 346
- gastro-oesophageal reflux: the role of imaging in diagnosis and management, Davies RP; Morris LL; Savage JP; et al, Australas Radiol 1987; 31: 157
- multiple transverse folds in the gastric antrum, Cho KC; Gold BM; Printz DA, Radiology 1987; 164: 339
- pathogenesis of gastroesophageal reflux disease, Dodds WJ, AJR 1988; 151: 49
- radiographic findings in children and young adults with Barrett's esophagus, Yulish BS; Rothstein FC; Halpin TC Jr, AJR 1987; 148: 353
- radiologic diagnosis of gastro-oesophageal reflux by means of graded abdominal compression, Fransson S-G; Sötker H; Johansson K-E; et al, Acta Radiol 1988; 29: 45
- radiologic diagnosis of gastro-oesophageal reflux: comparison of barium and low-density contrast medium, Fransson S-G; Sötker H; Johansson K-E; et al, Acta Radiol 1987; 28: 295
- radiologic findings after fundoplication compared with a pH reflux test and symptoms, Fransson SG; Sötker H; Johansson K-E; et al, Acta Radiol 1986; 27: 33
- radiologic quantitation of gastro-oesophageal reflux: correlation between height of food stimulated gastro-oesophageal reflux and level of histologic changes in reflux esophagitis, Christiansen T; Funch-Jensen P; Jacobsen NO; et al, Acta Radiol 1987; 28: 295
- "trumpeting elephant" sign of gastroesophageal reflux, Rowen SJ; Gyepes MT, Radiology 1988; 167: 138
- ultrasound demonstration of gastroesophageal reflux, Wright LL; Baker KR; Meny RG, J Ultrasound Med 1988; 7: 471
- ## Esophagus, rupture
- diagnosis and recommended management of esophageal perforation and rupture, (ab), Bladergroen MR; Lowe JE; Postlethwait RW, Radiology 1987; 163: 588
- spontaneous rupture of the esophagus in the newborn, Dubos JP; Bouchet MC; Kacet N; et al, Pediatr Radiol 1986; 16: 317
- ## Esophagus, stenosis or obstruction
- anastomotic strictures of the upper gastrointestinal tract: results of balloon dilation, de Lange EE; Shaffer HA Jr, Radiology 1988; 167: 45
- balloon dilatation of esophageal stenosis in children, Sato Y; Frey EE; Smith WL; et al, AJR 1988; 150: 639
- balloon-dilatation of esophageal strictures in children, Johnsen A; Jensen L; Mauritzen K, Pediatr Radiol 1986; 16: 388
- endoscopic ultrasonography of esophageal tumors and compressions, Silva SA; Kouzu T; Ogino Y; et al, JCU 1988; 16: 149
- esophageal disruption: evaluation with iohexol esophagography, Brick SH; Caroline DF; Lev-Toaff AS; Friedman AC; Grumbach K; Radecki PD, Radiology 1988; 169: 141
- esophageal stenosis with esophageal atresia, Thomason MA; Gay BB, Pediatr Radiol 1987; 17: 197
- esophageal strictures: balloon dilation, Maynar M; Guerra C; Reyes R; Mayor J; Garcia J; Facal P; Castaneda-Zuniga WR; Letourneau JG, Radiology 1988; 167: 703
- imaging Barrett's esophagus, Kwaka EL; O'Neill M; Cooney C; et al, Clin Radiol 1987; 38: 415
- radiologically guided balloon dilation of gastrointestinal strictures: part I. technique and factors influencing procedural success, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, Radiology 1987; 165: 35
- radiologically guided balloon dilation of gastrointestinal strictures: part II. results of long-term follow-up, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, Radiology 1987; 165: 41
- radiologic treatment of a patient with the "steakhouse syndrome": case report, Zalev AH, J Canad Assoc Radiol 1988; 39: 59
- surgical management of esophageal strictures, (ab), Little AG; Naunheim KS; Ferguson MK; et al, Radiology 1988; 168: 586
- treatment of post-operative and peptic esophageal strictures after esophageal atresia repair: a program including dilatation with balloon catheters, Hoffer FA; Winter HS; Fellows KE; et al, Pediatr Radiol 1987; 17: 454
- unusually intractable Schatzki ring, (ab), Molins L; Payne WS; Cameron AJ; et al, Radiology 1988; 169: 586

Esophagus, surgery

- adenocarcinoma of the distal esophagus and gastric cardia: comparison of results of transhiatal esophagectomy and thoracoabdominal esophagectomy, (ab), Goldfaden D; Orringer MB; Appelman HD; et al, *Radiology* 1986; 161: 282
- colon interposition: long-term radiographic results, Isolauri J; Paakkala T; Arajärvi P; et al, *Eur J Radiol* 1987; 7: 248
- esophageal anastomotic leaks: preliminary results of treatment with balloon dilation, de Lange EE; Shaffer HA Jr; Daniel TM; Kron IL, *Radiology* 1987; 165: 45
- esophageal mucocele: a complication of blind loop esophagus, (ab), Kamath MV; Ellison RG; Rubin JW; et al, *Radiology* 1987; 164: 588
- esophageal mucocele after surgical isolation of the esophagus, Glickstein MF; Gefter WB; Low D; et al, *AJR* 1987; 149: 729
- nuclear medicine and esophageal surgery, Taillefer R; Beauchamp G; Durancieu AC; et al, *Clin Nucl Med* 1986; 11: 445
- patterns of recurrence of esophageal carcinoma after transhiatal esophagectomy and gastric interposition, Becker CD; Barbier PA; Terrier F; et al, *AJR* 1987; 148: 273
- pharyngeal dysfunction after total and subtotal esophagectomy, Hambraeus GM; Ekberg O; Fletcher R, *Acta Radiol* 1987; 28: 409
- radiologic findings after fundoplication compared with a pH reflux test and symptoms, Fransson SG; Sokker H; Johansson K-E; et al, *Acta Radiol* 1986; 27: 33
- radiology of colonic interposition and its associated complications, Christensen LR; Shapir J, *Gastrointest Radiol* 1986; 11: 233
- transhiatal esophagectomy for benign disease, (ab), Orringer MB, *Radiology* 1986; 160: 283
- Esophagus, therapeutic radiology**
- chemo/radiation with and without surgery in the thoracic esophagus: the Wayne State experience, Herskovic A; Leichman L; Lattin F; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 655
- combined modality therapy for esophageal squamous cell carcinoma, Pedersen H; Hansen HS; Bertelsen S; et al, *Acta Oncol* 1987; 26: 175
- comparison of three treatment strategies for esophageal cancer within a single institution, Richmond J; Seydel HG; Bae Y; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1617
- esophageal carcinoma: modest benefits from combined modality therapy, Hancock SL; Goffinet DR; Carlson RW; Mark JBD, *Radiology* 1987; 164: 603
- esophageal fistula associated with intracavitary irradiation for esophageal carcinoma, Hishikawa Y; Tanaka S; Miura T, *Radiology* 1986; 159: 549
- heat, drugs, and radiation given in combination is palliative for unresectable esophageal cancer, Kai H; Matsufuji H; Okudaira Y; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1147
- multiple fraction per day radiation therapy for inoperable esophageal cancer, De Paoli A; Boz G; Trovó MG; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 855
- preoperative radiation and chemotherapy for localized squamous cell carcinoma of the esophagus: a RTOG study, Seydel HG; Leichman L; Byhardt R; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 33
- radiation therapy of esophageal carcinoma: correlation of clinical and radiographic findings, Levine MS; Langer J; Laufer I; et al, *Gastrointest Radiol* 1987; 12: 99
- treatment planning study for carcinoma of the esophagus: helium ions versus photons, Zink SR; Lyman JT; Castro JR; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 993
- Esophagus, therapy**
- esophageal malignancy: imaging results and complications of combined endoscopic-radiologic palliation, Jaffe MH; Fleischer D; Zeman RK; Benjamin SB; Choyke PL; Clark LR, *Radiology* 1987; 164: 623

Esophagus, ulcers

- detection of esophageal ulcerations with technetium-99m albumin sucralate, Goff JS; Adcock KA; Schmelter R, *J Nucl Med* 1986; 27: 1143
- Esophagus, US studies**
- endoscopic ultrasonography of esophageal tumors and compressions, Silva SA; Kouzu T; Ogino Y; et al, *JCU* 1988; 16: 149
- ultrasound demonstration of gastroesophageal reflux, Wright LL; Baker KR; Meny RG, *J Ultrasound Med* 1988; 7: 471
- Esophagus, varices**
- colour flow mapping of oesophago-gastric varices and vessels in and around the liver with trans-oesophageal real-time two-dimensional Doppler ultrasound, Sukigara M; Komazaki T; Yamazaki T; et al, *Clin Radiol* 1987; 38: 487
- computed tomography following endoscopic sclerotherapy of esophageal varices, Ikezoe J; Morimoto S; Akira M; et al, *Acta Radiol* 1987; 28: 415
- CT after uncomplicated esophageal sclerotherapy, Mauro MA; Jaques PF; Swankowski TM; et al, *AJR* 1986; 147: 57
- CT evaluation of esophageal varices, Balhazar EJ; Naidich DP; Megibow AJ; et al, *AJR* 1987; 148: 131
- esophagus after injection sclerotherapy of varices, (ab), Brants H-J; Billmann P; Hoppe-Seyler P; et al, *Radiology* 1986; 159: 575
- percutaneous transsplenic embolization of esophageal varices in a 5-year-old child, Rasinska G; Wermenski K; Rajszys P, *Acta Radiol* 1987; 28: 299
- radiological appearances of the oesophagus after sclerotherapy for varices, (ab), Rose JD; Roberts GM; Smith PM, *Radiology* 1986; 158: 858
- venous anatomy of the lower oesophagus: a new perspective on varices, (ab), Spence RAJ; Terblanche J, *Radiology* 1988; 166: 908
- Esophageal neuroblastoma**
- See Blastoma
- Estrogen**
- See Hormones
- Ethanol**
- See Alcohol
- Ethics, medical**
- ethical dilemmas in reproductive medicine, Work BA Jr, *Invest Radiol* 1988; 23: 404
- Ethiodol**
- See Contrast media, fatty acid
- Ethmoid bone**
- posttraumatic ethmoidal pseudomeningocephalocele, Jinkins JR, *AJNR* 1987; 8: 649
- Ethylene-diaminetetrakisphosphonate (TP)**
- acute myocardial ischemia: MR imaging with Mn-TP, Pflugfelder PW; Wendland MF; Holt WW; Quay SC; Worah D; Derugin N; Higgins CB, *Radiology* 1988; 167: 129
- Ewing sarcoma**
- case report 360, Coombs RJ; Zeiss J; McCann K; et al, *Skeletal Radiol* 1986; 15: 254
- Ewing sarcoma of the skull with an unusual pattern of reactive sclerosis: MR characteristics, Freeman MP; Currie CM; Gray GF Jr; et al, *JCAT* 1988; 12: 143
- Ewing sarcoma of the temporal bone: CT appearance, Carroll R; Miketic LM, *JCAT* 1987; 11: 362
- Ewing's sarcoma: a retrospective study of prognostic factors and treatment results, Daugaard S; Sundt LM; Kamby C; et al, *Acta Oncol* 1987; 26: 281
- Ewing's sarcoma of the thumb: radiographic, angiographic, CT, and bone scan findings, Amico S; Lucas PG; Chelius P; et al, *Clin Nucl Med* 1987; 12: 671
- Ewing's sarcoma: surgical resection as a prognostic factor, Sailer SL; Harmon DC; Mankin HJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 43
- Ewing's sarcoma: trial of adjuvant chemotherapy and sequential half-body irradiation, Berry MP; Jenkin RDT; Harwood AR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 19
- high-risk Ewing's sarcoma: end-intensification using autologous bone marrow transplantation, Marcus RB Jr; Graham-Pole JR; Springfield DS; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 53

- local control of Ewing's sarcoma: analysis of 67 patients, Brown AP; Fixsen JA; Plowman PN, *Br J Radiol* 1987; 60: 261
- malignant extradural spinal tumors: MR imaging with Gd-DTPA. See G; Krol G; Zimmerman RD; Deck MDF, *Radiology* 1988; 167: 217
- metastatic Ewing's sarcoma to the skull: CNS involvement excluded by MRI, Taets ven Amerongen AHM; Kaiser MC; de Waal FC, *Pediatr Radiol* 1987; 17: 242
- MR imaging of osteogenic and Ewing's sarcoma, Boyko OB; Cory DA; Cohen MD; et al, *AJR* 1987; 148: 317
- primary lesions of bone in the 1st decade of life: retrospective survey of biopsy results, Senac MO Jr; Isaacs H; Gwinn JL, *Radiology* 1986; 160: 491
- role of resection in the treatment of pulmonary metastases from Ewing's sarcoma, (ab), Lanza LA; Miser JS; Pass HI; et al, *Radiology* 1988; 168: 292
- Excretory urography**
- See Urography
- Exophthalmos**
- cinq cas d'exophtalmie unilatérale en relation avec des anomalies vasculaires de la région du sinus latéral (five cases of unilateral exophthalmos associated with abnormalities in the lateral sinus area), Laurent A; Guimaraens L; Rufenacht D; et al, *J Neuroradiol* 1986; 13: 125
- Erdheim-Chester disease presenting as malignant exophthalmos, Rozenberg I; Wechsler J; Koenig F; et al, *Br J Radiol* 1986; 59: 173
- exophthalmos caused by excessive fat: CT volumetric analysis and differential diagnosis, Peyster RG; Ginsberg F; Silber JH; et al, *AJNR* 1986; 7: 35
- frontal epidural haematoma with ipsilateral exophthalmos, Bollinger B; Knudsen LL, *Neuroradiol* 1987; 29: 315
- malar fractures associated with exophthalmos, (ab), Godoy J; Mathog RH, *Radiology* 1986; 158: 285
- optic nerve dysfunction in thyroid eye disease: CT, Barrett L; Glatt HJ; Burde RM; Gado MH, *Radiology* 1988; 167: 503
- progressive diaphyseal dysplasia (Camurati-Engelmann): radiographic follow-up and CT findings, Kaftori JK; Kleinhaus U; Naveh Y, *Radiology* 1987; 164: 777
- role of the neuroradiologist in vascular disorders involving the orbit, Tan WS; Wilbur AC; Mafee MF, *Radiol Clin North Am* 1987; 25: 849
- un cas d'exophtalmie par MAV de la région de l'ampoule de Galien a drainage veineux ophtalmique: traitement par voie endovasculaire (case of exophthalmos due to an AVM in Galen's vein area with ophthalmic venous drainage: treatment by the endovascular route), Laurent A; Guimaraens L; Rufenacht D; et al, *J Neuroradiol* 1986; 13: 181
- Exostoses**
- Dupuytren's (subungual) exostosis, (ab), Müller-Breslow A; Dorfman HD, *Radiology* 1988; 168: 887
- large phalangeal exostosis in multiple cartilaginous exostoses (diaphyseal aclasia)—a case report, Kapoor R; Saha MM, *Australas Radiol* 1987; 31: 212
- Extracorporeal oxygenation**
- See Infants, newborn, respiratory system
- Extremities**
- See also Fingers and toes; under names of bones and joints, such as Femur; Knee; etc.
- case report 413, Holmes WS; Pope TL Jr; de Lange E; et al, *Skeletal Radiol* 1987; 16: 163
- radiology of skeletal elements in the subclavicular region: incidence and significance, Coral A, *Skeletal Radiol* 1987; 16: 298
- Extremities, abnormalities**
- expanded spectrum of limb anomalies in the VATER association, Fernbach SK; Glass RB, *Pediatr Radiol* 1988; 18: 215
- pancreatic acinar cell carcinoma with subcutaneous and intraosseous fat necrosis, Radin DR; Colletti PM; Forrester DM; Tang WW, *Radiology* 1986; 158: 67
- prenatal ultrasound diagnosis of a forearm constriction band, Hill LM; Kisalak S; Jones N, *J Ultrasound Med* 1988; 7: 293

Extremities, abnormalities

- pseudohypertrophy of the calf following S1 radiculopathy, de Visser M; Verbeeten B Jr; Lypkens KCH, *Neuroradiol* 1986; 28: 279
- Extremities, amputation**
- computed tomography in low-back-pain after femur-amputation for osteogenic sarcoma, Anda S; Moe PJ, *Pediatr Radiol* 1987; 17: 164
- muscle necrosis in the extremities: evaluation with Tc-99m pyrophosphate scanning—a retrospective review, Timmons JH; Hartshorne MF; Peters VJ; Cawthon MA; Bauman JM, *Radiology* 1988; 167: 173
- postamputation neuromas and other symptomatic stump abnormalities: detection with CT, Singson RD; Feldman F; Slipman CW; Gonzalez E; Rosenberg ZS; Kiernan H, *Radiology* 1987; 162: 743
- Extremities, angiography**
- arteriovenous malformations of the extremities: MR imaging, Cohen JM; Weinreb JC; Redman HC, *Radiology* 1986; 158: 475
- comparison of intra-arterial digital subtraction angiography and conventional filming in peripheral vascular disease, Sniderman KW; Morse SS; Strauss EB, *J Canad Assoc Radiol* 1986; 37: 76
- comparison of techniques for improved visualization of the arteries of the distal lower extremity, Cohen MJ; Vogelzang RL, *AJR* 1986; 147: 1021
- digital subtraction venography of the upper extremity, Andrews JC; Williams DM; Cho KJ, *Clin Radiol* 1987; 38: 423
- lower-extremity venous thrombosis: comparison of venography, impedance plethysmography, and intravenous manometry, Cardella JF; Young AT; Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Knighton D; Nelson D; Amplatz K, *Radiology* 1988; 168: 109
- place of percutaneous transluminal angioplasty in the treatment of patients having angiography for ischaemic disease of the lower limb, McLean L; Jeans WD; Horrocks M; et al, *Clin Radiol* 1987; 38: 157
- stab wounds to the extremities: indications for angiography, Hartling RP; McGahan JP; Blaisdell FW; Lindfors KK, *Radiology* 1987; 162: 465
- stab wounds to the extremities: indications for angiography, Quinn MF; Lundell CJ, *Radiology* 1987; 165: 291
- stab wounds to the extremities: indications for angiography: reply, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, *Radiology* 1987; 165: 291
- superficial peroneal nerve block for leg venography, Lieberman RP; Kaplan PA, *Radiology* 1987; 165: 578
- vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography, Gavant ML; Gold RE; Fabian TC; Tonkin IL, *Radiology* 1986; 158: 755
- Extremities, blood supply**
- arterio-venous shunting complicating occlusive atherosclerotic peripheral vascular disease, Vallance R; Quin RO; Forrest H, *Clin Radiol* 1986; 37: 389
- effect of lumbar sympathetic tone on postsynaptic vascular smooth muscle response in the lower limb in dogs, Dalenstrand KM; Lantz BMT; Palmaz JC, *Cardiovasc Intervent Radiol* 1988; 11: 82
- measurement of limb blood flow using technetium-labelled red blood cells, Parkin A; Robinson PJ; Wiggins PA; et al, *Br J Radiol* 1986; 59: 493
- measurement of peripheral blood flow by thermoluminescence techniques, Nadel SN; Greene AS; White RJ Jr; et al, *Invest Radiol* 1986; 21: 631
- muscle necrosis in the extremities: evaluation with Tc-99m pyrophosphate scanning—a retrospective review, Timmons JH; Hartshorne MF; Peters VJ; Cawthon MA; Bauman JM, *Radiology* 1988; 167: 173
- place of percutaneous transluminal angioplasty in the treatment of patients having angiography for ischaemic disease of the lower limb, McLean L; Jeans WD; Horrocks M; et al, *Clin Radiol* 1987; 38: 157
- quantitative flow measurement with the fast Fourier flow technique, Hennig J; Muri M; Brunner P; Friedburg H, *Radiology* 1988; 166: 237
- radionuclide assessment of peripheral hemodynamics: new technique for measurement of forearm blood volume and flow, Todo Y; Tanimoto M; Yamamoto T; et al, *J Nucl Med* 1986; 27: 192
- successful vein bypass in patients with an ischemic limb and palpable popliteal pulse, (ab), Cantelmo NL; Snow JR; Menzoian JO; et al, *Radiology* 1986; 160: 287
- suggested standards for reports dealing with lower extremity ischemia, (ab), Rutherford RB; Flanagan DP; Gupta SK; et al, *Radiology* 1987; 163: 291
- system for rapid analysis of the femoral blood velocity waveform at the bedside, Capper WL; Moore JN; Clifford PC; et al, *Ultrasound Med Biol* 1986; 12: 31
- unilateral left leg edema: variation of the May-Thurner syndrome, Hassell DR; Reifsteck JE; Harshfield DL; et al, *Cardiovasc Intervent Radiol* 1987; 10: 89
- Extremities, CT**
- calf hematoma—computed tomographic and magnetic resonance findings, Pakter RL; Fishman EK; Zerhouni EA, *Skeletal Radiol* 1987; 16: 393
- comments on calf hematoma mimicking thrombophlebitis, Bettmann MA, *Radiology* 1986; 160: 567
- CT of children's feet: immobilization technique, Donaldson JS; Poznanski AK; Nieves A, *AJR* 1987; 148: 169
- CT of the extremities, Petasnick JP, *Semin US CT MR* 1986; 7: 308
- imaging foreign glass and wooden bodies of the extremities with CT and MR, Bodne D; Quinn SF; Cochran CF, *JCAT* 1988; 12: 608
- limb-length discrepancy measured with computerized axial tomographic equipment, (ab), Huurman WW; Jacobsen FS; Anderson JC; et al, *Radiology* 1988; 166: 295
- postamputation neuromas and other symptomatic stump abnormalities: detection with CT, Singson RD; Feldman F; Slipman CW; Gonzalez E; Rosenberg ZS; Kiernan H, *Radiology* 1987; 162: 743
- Extremities, edema**
- edema of the arm as a function of the extent of axillary surgery in patients with stage I-II carcinoma of the breast treated with primary radiotherapy, Larson D; Weinstein M; Goldberg I; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1575
- Extremities, fractures**
- case report 404, Yaghai I; Foster WC, *Skeletal Radiol* 1987; 16: 153
- child with acute leg pain, Sty JR; Wells RG; Smith WB, *Semin Nucl Med* 1988; 18: 137
- stress fractures after surgery for osteosarcoma: scintigraphic assessment, Ben Ami T; Treves ST; Tumei S; Cox-Bryan J; McCarthy C, *Radiology* 1987; 163: 157
- Extremities, infection**
- chronic recurrent multifocal osteomyelitis, Brown T; Wilkinson RH, *Radiology* 1988; 166: 493
- Extremities, injuries**
- bone scanning in the adductor insertion avulsion syndrome ("thigh splints"), Charkes ND; Siddhivarn N; Schneck CD, *J Nucl Med* 1987; 28: 1835
- case report 404, Yaghai I; Foster WC, *Skeletal Radiol* 1987; 16: 153
- child with acute leg pain, Sty JR; Wells RG; Smith WB, *Semin Nucl Med* 1988; 18: 137
- comments on calf hematoma mimicking thrombophlebitis, Bettmann MA, *Radiology* 1986; 160: 567
- extremity injuries in children: predictive value of clinical findings, (ab), Rivara FP; Paris RA; Muller BA, *Radiology* 1987; 164: 888
- radiography of injured arms and legs in eight accident and emergency units in England and Wales, (ab), Abrams ME; Davies ER; Ennis WP; et al, *Radiology* 1986; 159: 572
- stab wounds to the extremities: indications for angiography, Hartling RP; McGahan JP; Blaisdell FW; Lindfors KK, *Radiology* 1987; 162: 465
- stab wounds to the extremities: indications for angiography, Quinn MF; Lundell CJ, *Radiology* 1987; 165: 291
- stab wounds to the extremities: indications for angiography: reply, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, *Radiology* 1987; 165: 291
- vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography, Gavant ML; Gold RE; Fabian TC; Tonkin IL, *Radiology* 1986; 158: 755
- Extremities, measurement**
- bone healing during lower limb lengthening by distraction epiphysiolysis, Van Roermund PM; Hoekstra A; Ter Haar Romeny BM; et al, *J Nucl Med* 1988; 29: 1259
- Extremities, MR studies**
- arteriovenous malformations of the extremities: MR imaging, Cohen JM; Weinreb JC; Redman HC, *Radiology* 1986; 158: 475
- calf hematoma—computed tomographic and magnetic resonance findings, Pakter RL; Fishman EK; Zerhouni EA, *Skeletal Radiol* 1987; 16: 393
- characterization of MR spectroscopic imaging of the human head and limb at 2.0 T, Tropp JS; Sugita S; Derby KA; Suzuki Y; Hawryszko C; Yamagata H; Klein JE; Ortendahl DA; Kaufman L; Acosta GF, *Radiology* 1988; 169: 207
- deep venous thrombosis evaluation with limited-flip-angle, gradient-refocused MR imaging: preliminary experience, Spritzer CE; Sussman SK; Blinder RA; Saeed M; Herfkens RJ, *Radiology* 1988; 166: 371
- experimental infections of the musculoskeletal system: evaluation with MR imaging and Tc-99m MDP and Ga-67 scintigraphy, Beltran J; McGhee RB; Shaffer PB; Olsen JO; Bennett WF; Foster TR; McCalla MS; Iskra LA; Blagg RL; Biller DS, *Radiology* 1988; 167: 167
- high resolution MR imaging of glomus tumor, Kneeland JB; Middleton WD; Matloub HS; et al, *JCAT* 1987; 11: 351
- imaging foreign glass and wooden bodies of the extremities with CT and MR, Bodne D; Quinn SF; Cochran CF, *JCAT* 1988; 12: 608
- magnetic resonance imaging of extremity masses, Cory DA; Ellis JH; Bies JR; et al, *Comput Radiol* 1986; 10: 99
- magnetic resonance imaging of the extremities, Berquist TH, *Semin US CT MR* 1986; 7: 320
- magnetic resonance imaging of the extremities, Rosenthal DI; Scott JA; Brady TJ, *Cardiovasc Intervent Radiol* 1986; 8: 377
- MRI of extremities using perforated single-turn solenoids, Hornak JP; Marshall E; Szumowski J; et al, *Magn Res Med* 1988; 7: 442
- sodium imaging of human body organs and extremities in vivo, Granot J, *Radiology* 1988; 167: 547
- staging of intraosseous extent of osteosarcoma: correlation of preoperative CT and MR imaging with pathological macroslides, Gillespie T III; Manfrini M; Ruggieri P; Spanier SS; Peterson H; Springfield DS, *Radiology* 1988; 167: 765
- stress fractures: MR imaging, Lee JK; Yao L, *Radiology* 1988; 169: 217
- Extremities, neoplasms**
- breast cancer imaging with In-111 human IgM monoclonal antibodies: preliminary studies, Ryan KP; Dillman RO; DeNardo SJ; DeNardo GL; Beauregard J; Hagan PL; Amox DG; Clutter ML; Burnett KG; Rulot CM; Sobol RE; Abramson I; Bartholomew RK; Frinck JM; Birdwell CR; Carlo DJ; O'Grady LF; Halpern SE, *Radiology* 1988; 167: 71
- CT appearance of hemangiopericytoma, Alpern MB; Thorsen MK; Kellman GM; et al, *JCAT* 1986; 10: 264
- extremity preservation by combined modality treatment of sarcomas of the hand and wrist, Okunieff P; Suit H; Propp KH, *Int J Radiat Oncol Biol Phys* 1986; 12: 1923
- giant cell reparative granuloma and other giant cell lesions of the bones of the hands and feet, Picci P; Baldini N; Sudanese A; et al, *Skeletal Radiol* 1986; 15: 415

- intraarterial digital subtraction arteriographic evaluation of extremity tumors: comparison with conventional arteriography, Lee KR; Cox GG; Price HJ; Johnson JA; Neff JR, *Radiology* 1986; 158: 255
- intrapulmonary presentation of extraaxial myxoid chondrosarcoma of the extremity: report of two cases, (ab), D'Ambrosio FG; Shiu MH; Brennan MF, *Radiology* 1987; 163: 293
- iodine-131 MIBG scintigraphy of the extremities in metastatic pheochromocytoma and neuroblastoma, Shulkin BL; Shen SW; Sisson JC; et al, *J Nucl Med* 1987; 28: 315
- magnetic resonance imaging of extremity masses, Cory DA; Ellis JH; Bies JR; et al, *Comput Radiol* 1986; 10: 99
- peripheral nerves of the extremities: imaging with US, Fornage BD, *Radiology* 1988; 167: 179
- staging of intraosseous extent of osteosarcoma: correlation of preoperative CT and MR imaging with pathologic macroscopics, Gillespie T III; Manfredi M; Ruggieri P; Spanier SS; Peterson H; Springfield DS, *Radiology* 1988; 167: 765
- stress fractures after surgery for osteosarcoma: scintigraphic assessment, Ben Ami T; Treves ST; Tume S; Cox-Bryan J; McCarthy C, *Radiology* 1987; 163: 157
- Extremities, prostheses**
- prosthetic fit in below-knee amputation: evaluation with xeroradiography, Irwin GAL; Friedman L; Shapiro D, *AJR* 1987; 148: 99
- radiological evaluation of prosthetic fit in below-the-knee amputees, Newton RL; Morgan D; Schreiber MH, *Skeletal Radiol* 1988; 17: 276
- Extremities, radiography**
- computed radiographic imaging: use in low-dose leg length radiography, Kogut MS, *AJR* 1987; 148: 1205
- determination of leg length discrepancy: a comparison of weight-bearing and supine imaging, Cleveland RH; Kushner DC; Ogden MC; et al, *Invest Radiol* 1988; 23: 301
- measurements of radiographs of the foot in normal infants and children, (ab), Vanderwilde R; Staheli LT; Chew DE; et al, *Radiology* 1988; 169: 295
- radiography of injured arms and legs in eight accident and emergency units in England and Wales, (ab), Abrams ME; Davies ER; Ennis WP; et al, *Radiology* 1986; 159: 572
- Extremities, radionuclide studies**
- bone scanning in the adductor insertion avulsion syndrome ("high splints"), Charles ND; Siddhivarn N; Schneck CD, *J Nucl Med* 1987; 28: 1835
- increased extremity uptake on three-phase bone scans caused by peripherally induced ischemia prior to injection, Lecklitter ML; Douglas KP, *J Nucl Med* 1987; 28: 108
- initial detection of lower extremity septic deep venous thrombophlebitis by indium-111 WBC imaging in a patient with bacteremia, Fancher M; Abghari R; Bartold KP, *Clin Nucl Med* 1986; 11: 206
- iodine-131 MIBG scintigraphy of the extremities in metastatic pheochromocytoma and neuroblastoma, Shulkin BL; Shen SW; Sisson JC; et al, *J Nucl Med* 1987; 28: 315
- muscle necrosis in the extremities: evaluation with Tc-99m pyrophosphate scanning—a retrospective review, Timmons JH; Hartshorne MF; Peters VJ; Cawthon MA; Bauman JM, *Radiology* 1988; 167: 173
- scintigraphic demonstration of lower extremity perioritis secondary to venous insufficiency, Gensburg RS; Kawashima A; Sandler CM, *J Nucl Med* 1988; 29: 1279
- "short pants" finding on bone images in Paget's disease with paralysis, Mathews J; Karimeddini MK; Spencer RP, *Clin Nucl Med* 1986; 11: 221
- stress fractures after surgery for osteosarcoma: scintigraphic assessment, Ben Ami T; Treves ST; Tume S; Cox-Bryan J; McCarthy C, *Radiology* 1987; 163: 157
- subcutaneous ossification of the legs examined by SPECT, Truwit CL; Hartshorne MF; Peters VJ, *Clin Nucl Med* 1988; 13: 423
- technetium-99m red blood cell venography in upper extremity deep venous thrombosis, Silverstein AM; Turbner EH, *Clin Nucl Med* 1987; 12: 421
- technetium-99m red blood cell venography of the lower limb in asymptomatic pulmonary embolization, Lisbona R; Rush CL; Lepanto L, *Clin Nucl Med* 1987; 12: 93
- thrombophlebitis: potential cause for diffuse lower extremity uptake on bone imaging, Milton WJ; Datz FL, *Clin Nucl Med* 1986; 11: 26
- Extremities, therapeutic radiology**
- acute peripheral arterial and graft occlusion: treatment with selective infusion of urokinase and lysis plasminogen, Pernes JM; Vitout JF; Brenoit P; Raynaud A; Parola JL; Roth JP; Angel CY; Fiessinger JN; Roncato M; Gaux JC, *Radiology* 1986; 158: 481
- extremity preservation by combined modality treatment of sarcomas of the hand and wrist, Okunieff P; Suit H; Propp KH, *Int J Radiat Oncol Biol Phys* 1986; 12: 1923
- Extremities, thrombosis**
- comments on calf hematoma mimicking thrombophlebitis, Bettmann MA, *Radiology* 1986; 160: 567
- deep venous thrombosis evaluation with limited-flip-angle, gradient-refocused MR imaging: preliminary experience, Spritzer CE; Sussman SK; Blinder RA; Saeed M; Herfkens RJ, *Radiology* 1988; 166: 371
- deep venous thrombosis of the leg: US findings, Appelman PT; De Jong TE; Lampmann LE, *Radiology* 1987; 163: 743
- deep venous thrombosis of the lower extremity: US evaluation, Vogel P; Laing FC; Jeffrey RB Jr; Wing VW, *Radiology* 1987; 163: 747
- detection of deep venous thrombosis by indium-111 leukocyte scintigraphy, D'Alonzo WA Jr; Alavi A, *J Nucl Med* 1986; 27: 631
- diagnosis of femoropopliteal venous thrombosis: comparison of duplex sonography and plethysmography, Rosner NH; Doris PE, *AJR* 1988; 150: 623
- effect of anatomic variations on deep venous thrombosis of the lower extremity, Liu G-C; Ferris EJ; Reifsteck JE; et al, *AJR* 1986; 146: 845
- lower-extremity deep venous thrombosis: further experience with and refinements of US assessment, Cronan JJ; Dorfman GS; Grusmark J, *Radiology* 1988; 168: 101
- lower extremity swelling: computerized tomography following negative venography, Pillari G; Zito J; Chang JB; et al, *Cardiovasc Intervent Radiol* 1987; 10: 261
- lower-extremity venous thrombosis: comparison of venography, impedance plethysmography, and intravenous manometry, Cardella JF; Young AT; Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Knighton D; Nelson D; Amplatz K, *Radiology* 1988; 168: 109
- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Mietasch A; Bruckl R, *Radiology* 1987; 163: 753
- persistence of the cardinal veins and thrombosis: CT demonstration, Barack BM, *JCAT* 1986; 10: 327
- prospective study of the efficacy of B-scan sonography in the detection of deep venous thrombosis in the lower extremities, O'Leary DH; Kane RA; Chase BM, *JCU* 1988; 16: 1
- radionuclide venography: imaging monitor in deep-vein thrombosis of the pelvis and lower extremities, Sy WM; Seo IS, *Br J Radiol* 1986; 59: 325
- sonography in differential diagnosis of deep venous thrombosis of the leg, Aronen HJ; Pamiilo M; Suoranta HT; et al, *Acta Radiol* 1987; 28: 457
- technetium-99m red blood cell venography in upper extremity deep venous thrombosis, Silverstein AM; Turbner EH, *Clin Nucl Med* 1987; 12: 421
- thoracic outlet syndrome: review and reference to stroke in a major league pitcher, Fields WS; Lemak NA; Ben-Menachem Y, *AJNR* 1986; 7: 73
- utility of foot venography as part of the routine lower-extremity venogram: prospective study, Glanz S; Gordon DH, *Cardiovasc Intervent Radiol* 1986; 9: 15
- Extremities, US studies**
- comments on calf hematoma mimicking thrombophlebitis, Bettmann MA, *Radiology* 1986; 160: 567
- deep venous thrombosis of the leg: US findings, Appelman PT; De Jong TE; Lampmann LE, *Radiology* 1987; 163: 743
- deep venous thrombosis of the lower extremity: US evaluation, Vogel P; Laing FC; Jeffrey RB Jr; Wing VW, *Radiology* 1987; 163: 747
- lower-extremity deep venous thrombosis: further experience with and refinements of US assessment, Cronan JJ; Dorfman GS; Grusmark J, *Radiology* 1988; 168: 101
- peripheral nerves of the extremities: imaging with US, Fornage BD, *Radiology* 1988; 167: 179
- prospective study of the efficacy of B-scan sonography in the detection of deep venous thrombosis in the lower extremities, O'Leary DH; Kane RA; Chase BM, *JCU* 1988; 16: 1
- sonographic diagnosis of foreign bodies of the distal extremities, Fornage BD; Schernberg FL, *AJR* 1986; 147: 567
- sonographic diagnosis of tuberculous leprosy, Fornage BD; Nerot C, *J Ultrasound Med* 1987; 6: 105
- sonography of thigh abscess: detection, diagnosis, and drainage, vanSonnenberg E; Witlich GR; Casola G; et al, *AJR* 1987; 149: 769
- ultrasonography of the popliteal fossa and lower extremities, Pathria MN; Zlatkin M; Sartoris DJ; et al, *Radiol Clin North Am* 1988; 26: 77
- ultrasound of soft tissue abnormalities of the extremities, Vincent LM, *Radiol Clin North Am* 1988; 26: 131
- Eye**
- role of medical imaging in the practice of neuro-ophthalmology, Rubenfeld M; Wirtschatter JD, *Radiol Clin North Am* 1987; 25: 863
- Eye, abnormalities**
- acute bilateral ophthalmoplegia: 60 cases, (ab), Keane JR, *Radiology* 1987; 162: 589
- bilateral microphthalmos with orbital cysts: MR findings, Wright CD; Yuh WTC; Thompson HS; et al, *JCAT* 1987; 11: 727
- blepharochalasis syndrome, (ab), Custer FL; Tenzel RR; Kowalczyk AP, *Radiology* 1986; 158: 572
- computerized tomography of keratoconus, Lawless M; Francis IC; Kappagoda MB; et al, *Australas Radiol* 1986; 30: 10
- cortical blindness in toxemia of pregnancy: findings on computed tomography, Lau SFC; Chan FL; Yu YL; et al, *Br J Radiol* 1987; 60: 347
- internuclear ophthalmoplegia: MR-anatomic correlation, Atlas SW; Grossman RI; Savino PJ; et al, *AJNR* 1987; 8: 243
- magnetic resonance imaging in patients with diplopia: review, Ruff RL; Wiener SN; Leigh RJ, *Invest Radiol* 1986; 21: 311
- MR imaging of morning glory syndrome, Tonami H; Nakagawa T; Yamamoto I; et al, *JCAT* 1987; 11: 529
- new syndrome with ocular, skeletal and renal involvement, Silengo MC; Bell GL; Biagioli M; et al, *Pediatr Radiol* 1987; 17: 238
- oculo-auriculo-vertebral dysplasia: case report, Orzincolo C; Corcione S; Bighi S; et al, *Pediatr Radiol* 1987; 17: 330
- pediatric case of the day, Bisnet GS III; Towbin RB, *Radiographics* 1986; 6: 731
- persistent hyperplastic primary vitreous (PHPV): role of computed tomography and magnetic resonance, Mafee MF; Goldberg MF, *Radiol Clin North Am* 1987; 25: 683
- ultrasound evaluation of septo-optic dysplasia in the new born: report of a case, Nowell M, *Neuroradiol* 1986; 28: 491
- Wilms' tumor detection in patients with sporadic aniridia: successful use of ultrasound, (ab), Friedman AL, *Radiology* 1986; 161: 863
- Eye, CT**
- choroidal hematoma and effusion: evaluation with MR imaging, Mafee MF; Linder B; Peyman GA; Langer BG; Choi KH; Capek V, *Radiology* 1988; 168: 781

- computed tomography diagnosis of eye tumors and anomalies in early childhood and infancy, (ab), Fitz CR; Chuang CH; Harwood-Nash DC, Radiology 1986; 158: 282
- computed tomography of Toxocara canis endophthalmitis, Templeton PA; Rao KCVG, CT 1987; 11: 99
- computerized tomography of keratoconus, Lawless M; Francis IC; Kappagoda MB; et al, Australas Radiol 1986; 30: 10
- CT appearance of traumatic dislocated lens, Seigel RS; Sell J; Magnus DE, AJNR 1988; 9: 390
- CT evaluation of plastic intraocular foreign bodies, Henrikson GC; Mafee MF; Flanders AE; et al, AJNR 1987; 8: 378
- CT images in constitutional abnormalities of the posterior pole of the eye: optic disc coloboma, posterior pole staphyloma, Cassier C; Kien P; Caille J-M, J Neuroradiol 1986; 13: 11
- CT of acquired hyperopia with choroidal folds, Stimac GK; Mills RP; Dailey RA; et al, AJNR 1987; 8: 1107
- CT spectrum of metastatic disease to the orbit and eye, Khangure MS; Jacoby CG, Australas Radiol 1987; 31: 16
- dynamic computed tomography and its application to ophthalmology, Mafee MF; Miller MT; Tan W; et al, Radiol Clin North Am 1987; 25: 715
- exudative choroidal detachment—C.T. features, Greenberger R; Khangure MS, Australas Radiol 1987; 31: 355
- intraocular tumors: evaluation with MR imaging, Peyster RG; Augsburger JJ; Shields JA; Hershey BL; Eagle R Jr; Haskin ME, Radiology 1988; 168: 773
- malignant uveal melanoma and simulating lesions: MR imaging evaluation, Mafee MF; Peyman GA; Grisolan JM; Fletcher ME; Spigos DG; Wehrli FW; Rasouli F; Capek V, Radiology 1986; 160: 773
- ocular melanoma with retinal detachment: double density sign on CT, D'Altorio RA; Budde RB Jr, Comput Med Imag Graph 1988; 12: 177
- persistent hyperplastic primary vitreous (PHPV): role of computed tomography and magnetic resonance, Mafee MF; Goldberg MF, Radiol Clin North Am 1987; 25: 683
- retinal and choroidal detachments: role of magnetic resonance imaging and computed tomography, Mafee MF; Peyman GA, Radiol Clin North Am 1987; 25: 487
- scleral inflammatory disease, Johnson MH; DeFilipp GJ; Zimmerman RA; et al, AJNR 1987; 8: 861
- uveal melanoma and similar lesions: role of magnetic resonance imaging and computed tomography, Peyman GA; Mafee MF, Radiol Clin North Am 1987; 25: 471
- Eye, diseases**
- adult vitelliform macular detachment occurring in patients with basal laminar drusen, (ab), Gass JDM; Jallow S; Davis B, Radiology 1986; 158: 572
- case report: juvenile xanthogranuloma of the iris managed with superficial radiotherapy, MacLeod PM, Clin Radiol 1986; 37: 295
- CT evaluation of mediastinal lymph nodes in primary Sjögren syndrome, Andonopoulos AP; Karadanas AH; Drosos AA; et al, JCAT 1988; 12: 199
- CT of acquired hyperopia with choroidal folds, Stimac GK; Mills RP; Dailey RA; et al, AJNR 1987; 8: 1107
- gallium-67 renal uptake in Sjögren's syndrome, Bennett M; Felsberg GJ; Unger J; et al, Clin Nucl Med 1988; 13: 669
- magnetic resonance imaging of cerebral lesions in patients with the Sjögren syndrome, (ab), Alexander EL; Beall SS; Gordon B; et al, Radiology 1988; 169: 886
- opening of blood-ocular barrier demonstrated by contrast-enhanced MR imaging, Frank JA; Dwyer AJ; Gorton ME; et al, JCAT 1986; 10: 912
- parotid gland: US findings in Sjögren syndrome: work in progress, Bradus RJ; Hybarger P; Gooding GAW, Radiology 1988; 169: 749
- scleral inflammatory disease, Johnson MH; DeFilipp GJ; Zimmerman RA; et al, AJNR 1987; 8: 861
- Sjögren's syndrome: persistent clinical problem, (ab), Bone RC; Fox RI; Howell FV; et al, Radiology 1986; 158: 860
- Eye, effects of irradiation on**
- choroidal melanoma: I-125 plaque therapy, Bosworth JL; Packer S; Rotman M; Ho T; Finger PT, Radiology 1988; 169: 249
- corneal temperature changes induced by high-field-strength MR imaging with a head coil, Shellcock FG; Cruess JV, Radiology 1988; 167: 809
- vision following helium ion radiotherapy of uveal melanoma: a Northern California Oncology Group study, Linstadt D; Char DH; Castro JR; et al, Int J Radiat Oncol Biol Phys 1988; 15: 347
- Eye, hemorrhage**
- choroidal hematoma and effusion: evaluation with MR imaging, Mafee MF; Linder B; Peyman GA; Langer BG; Choi KH; Capek V, Radiology 1988; 168: 781
- Eye, injuries**
- choroidal hematoma and effusion: evaluation with MR imaging, Mafee MF; Linder B; Peyman GA; Langer BG; Choi KH; Capek V, Radiology 1988; 168: 781
- CT appearance of traumatic dislocated lens, Seigel RS; Sell J; Magnus DE, AJNR 1988; 9: 390
- CT evaluation of plastic intraocular foreign bodies, Henrikson GC; Mafee MF; Flanders AE; et al, AJNR 1987; 8: 378
- osmotic disruption of the blood-ocular barriers, Li V; Turksi PA; Levin AB; et al, AJNR 1987; 8: 347
- Eye, MR studies**
- choroidal hematoma and effusion: evaluation with MR imaging, Mafee MF; Linder B; Peyman GA; Langer BG; Choi KH; Capek V, Radiology 1988; 168: 781
- choroidal melanomas: correlation of NMR spectroscopy and MR imaging, Gomori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D, Radiology 1986; 158: 443
- corneal temperature changes induced by high-field-strength MR imaging with a head coil, Shellcock FG; Cruess JV, Radiology 1988; 167: 809
- ferromagnetism of intraocular foreign body causes unilateral blindness after MR study, Kelly WM; Paglen PG; Pearson JA; et al, AJNR 1986; 7: 243
- internuclear ophthalmoplegia: MR-anatomic correlation, Atlas SW; Grossman RI; Savino PJ; et al, AJNR 1987; 8: 243
- intraocular tumors: evaluation with MR imaging, Peyster RG; Augsburger JJ; Shields JA; Hershey BL; Eagle R Jr; Haskin ME, Radiology 1988; 168: 773
- malignant uveal melanoma and simulating lesions: MR imaging evaluation, Mafee MF; Peyman GA; Grisolan JM; Fletcher ME; Spigos DG; Wehrli FW; Rasouli F; Capek V, Radiology 1986; 160: 773
- MR imaging of enucleated human eyes at 1.4 tesla, terPenning BJ; Cheng HM; Barnett P; et al, JCAT 1986; 10: 551
- MR imaging of morning glory syndrome, Tonami H; Nakagawa T; Yamamoto I; et al, JCAT 1987; 11: 529
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL, Radiology 1987; 164: 527
- ocular MR imaging, Zimmerman RA; Bilaniuk LT, Radiology 1988; 168: 875
- ocular MR imaging and spectroscopy: ex vivo study, Gomori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D, Radiology 1986; 160: 201
- opening of blood-ocular barrier demonstrated by contrast-enhanced MR imaging, Frank JA; Dwyer AJ; Gorton ME; et al, JCAT 1986; 10: 912
- persistent hyperplastic primary vitreous (PHPV): role of computed tomography and magnetic resonance, Mafee MF; Goldberg MF, Radiol Clin North Am 1987; 25: 683
- ³¹P NMR studies of the diabetic lens, González RG; Miglieri S; Von Saltz I; et al, Magn Res Med 1988; 6: 435
- retinal and choroidal detachments: role of magnetic resonance imaging and computed tomography, Mafee MF; Peyman GA, Radiol Clin North Am 1987; 25: 487
- role of magnetic resonance imaging techniques in the evaluation of orbital and ocular disease, Worthington BS; Wright JE; Curati WL; et al, Clin Radiol 1986; 37: 219
- uveal melanoma and similar lesions: role of magnetic resonance imaging and computed tomography, Peyman GA; Mafee MF, Radiol Clin North Am 1987; 25: 471
- Eye, neoplasms**
- adjunctive radiotherapy with strontium-90 in the treatment of conjunctival squamous cell carcinoma, Kearsley JH; Fitchew RS; Taylor RGS, Int J Radiat Oncol Biol Phys 1988; 14: 435
- choroidal melanoma: I-125 plaque therapy, Bosworth JL; Packer S; Rotman M; Ho T; Finger PT, Radiology 1988; 169: 249
- choroidal melanomas: correlation of NMR spectroscopy and MR imaging, Gomori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D, Radiology 1986; 158: 443
- computed tomography diagnosis of eye tumors and anomalies in early childhood and infancy, (ab), Fitz CR; Chuang CH; Harwood-Nash DC, Radiology 1986; 158: 282
- conservative treatment of uveal melanoma: probability of eye retention after proton treatment, Munzenrider JE; Gragoudas ES; Seddon JM; et al, Int J Radiat Oncol Biol Phys 1988; 15: 553
- CT spectrum of metastatic disease to the orbit and eye, Khangure MS; Jacoby CG, Australas Radiol 1987; 31: 16
- intraocular tumors: evaluation with MR imaging, Peyster RG; Augsburger JJ; Shields JA; Hershey BL; Eagle R Jr; Haskin ME, Radiology 1988; 168: 773
- malignant uveal melanoma and simulating lesions: MR imaging evaluation, Mafee MF; Peyman GA; Grisolan JM; Fletcher ME; Spigos DG; Wehrli FW; Rasouli F; Capek V, Radiology 1986; 160: 773
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL, Radiology 1987; 164: 527
- ocular melanoma with retinal detachment: double density sign on CT, D'Altorio RA; Budde RB Jr, Comput Med Imag Graph 1988; 12: 177
- ocular MR imaging, Zimmerman RA; Bilaniuk LT, Radiology 1988; 168: 875
- ocular radioimmunoscintigraphy: sensitivity and practical considerations, Bomanji J; Nimmon CC; Hungerford JL; et al, J Nucl Med 1988; 29: 1031
- oncology/radiation therapy: RSNA '87 meeting notes, Sagerman RH, Radiology 1988; 166: 926
- president's address: cancer cure with organ preservation using radiation therapy, Brady LW; Markoe AM; Fisher S, Radiology 1986; 160: 1
- radiotherapy of choroidal malignant melanomas, Ammar F; Robertson AG; Dudgeon J, Clin Radiol 1987; 38: 21
- results of high dose I-125-ruthenium irradiation of choroidal melanomas, Muller R-P; Busse H; Potter R; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1749
- treatment of choroid metastases, Dobrowsky W, Br J Radiol 1988; 61: 140
- uveal melanoma and similar lesions: role of magnetic resonance imaging and computed tomography, Peyman GA; Mafee MF, Radiol Clin North Am 1987; 25: 471
- vision following helium ion radiotherapy of uveal melanoma: a Northern California Oncology Group study, Linstadt D; Char DH; Castro JR; et al, Int J Radiat Oncol Biol Phys 1988; 15: 347
- visualization of ocular melanoma with N-isopropyl-¹²⁵I-iodoamphetamine, Ono S; Fukunaga M; Otsuka N; et al, J Nucl Med 1988; 29: 1448
- Eye, radionuclide studies**
- ocular radioimmunoscintigraphy: sensitivity and practical considerations, Bomanji J; Nimmon CC; Hungerford JL; et al, J Nucl Med 1988; 29: 1031
- Eye, therapeutic radiology**
- adjunctive radiotherapy with strontium-90 in the treatment of conjunctival squamous cell carcinoma, Kearsley JH; Fitchew RS; Taylor RGS, Int J Radiat Oncol Biol Phys 1988; 14: 435

- choroidal melanoma: I-125 plaque therapy, Bosworth JL; Packer S; Rotman M; Ho Y; Finger PT, *Radiology* 1988; 169: 249
- conservative treatment of uveal melanoma: probability of eye retention after proton treatment, Munzenrider JE; Gragoudas ES; Seddon JM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 553
- dose distribution under external eye shields for high energy electrons, Rustgi SN, *Int J Radiat Oncol Biol Phys* 1986; 12: 141
- increased risk of cataract in patients receiving radiotherapy to the eye: a pilot study, Dean G; Alderson M; Maximilien R, *Br J Radiol* 1988; 61: 309
- iodine-125 plaque for radiotherapy of the eye: manufacture and dosimetry considerations, Harnett AN; Thomson ES, *Br J Radiol* 1988; 61: 835
- Moyamoya pattern of vascular occlusion after radiotherapy for glioma of the optic chiasm, (ab), Beyer RA; Paden P; Sobel DF; et al, *Radiology* 1987; 164: 887
- president's address: cancer cure with organ preservation using radiation therapy, Brady LW; Markoe AM; Fisher S, *Radiology* 1986; 160: 1
- radiation therapy for retinoblastoma: comparison of results with lens-sparing versus lateral beam techniques, McCormick B; Ellsworth R; Abramson D; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 567
- radiotherapy of choroidal malignant melanomas, Ammar F; Robertson AG; Dudgeon J, *Clin Radiol* 1987; 38: 21
- results of high dose 106-ruthenium irradiation of choroidal melanomas, Muller R-P; Busse H; Potter R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1749
- treatment of choroid metastases, Dobrowsky W, *Br J Radiol* 1988; 61: 140
- Eye, US studies**
- diagnostic spectrum analysis in ophthalmology: physical perspective, Feleppa EJ; Luzzi FL; Coleman DJ; et al, *Ultrasound Med Biol* 1986; 12: 623
- standardized echography of the eye and orbit, Byrne SF, *Neuroradiol* 1986; 28: 618
- ultrasound evaluation of septo-optic dysplasia in the new born: report of a case, Nowell M, *Neuroradiol* 1986; 28: 491
- ultrasound imaging of the eye through the closed lid using a non-dedicated scanner, Fielding JA, *Clin Radiol* 1987; 38: 131

F

Face

- See also Eye; Jaws; Nose; etc.
- cholesterol granuloma of the facial skeleton, Lloyd GAS, *Br J Radiol* 1986; 59: 481
- Face, abnormalities**
- antenatal sonographic diagnosis of cephalopha, Bundy AL; Lidov H; Soliman M; et al, *J Ultrasound Med* 1988; 7: 395
- brain malformations in linear nevus sebaceous syndrome: an MR study, Sarwar M; Schafer ME, *JCAT* 1988; 12: 338
- fetal facial abnormalities identified during obstetric sonography, Hegge FN; Prescott GH; Watson PT, *J Ultrasound Med* 1986; 5: 679
- median cleft face syndrome: MR and CT data from 11 children, Naidich TP; Osborn RE; Bauer B; et al, *JCAT* 1988; 12: 57
- prenatal sonographic diagnosis of hemifacial microsomia (Goldenhar-Gorlin syndrome), Tamas DE; Mahony BS; Bowie JD; et al, *J Ultrasound Med* 1986; 5: 461
- severe craniofacial sclerosis with multiple anomalies in a boy and his mother, Currarino G; Friedman JM, *Pediatr Radiol* 1986; 16: 441
- Face, anatomy**
- facial anatomy of the fetus, Jeanty P; Romero R; Staudach A; et al, *J Ultrasound Med* 1986; 5: 607
- separation of the masticator space from the parapharyngeal space, Curtin HD, *Radiology* 1987; 163: 195
- Face, CT**
- contribution of computerized tomography to the radiological study of craniofacial injuries: 34 cases, Halimi P; Doyon D; Bekkali F; et al, *J Neuroradiol* 1986; 13: 253

- CT findings in noma, Wells RG; Sty JR; Starshak RJ, *JCAT* 1988; 12: 711
- masticator space: influence of CT scanning on therapy, (ab), Doxey GP; Harnsberger HR; Hardin CW; et al, *Radiology* 1986; 161: 862
- separation of the masticator space from the parapharyngeal space, Curtin HD, *Radiology* 1987; 163: 195
- three-dimensional contour surfacing of the skull, face, and brain from CT and MR images and from anatomic sections, Stimac GK; Sundsten JW; Prothero JS; et al, *AJR* 1988; 151: 807
- Face, fractures**
- malar fractures associated with exophthalmos, (ab), Godoy J; Mathog RH, *Radiology* 1986; 158: 285
- paranasal sinus hemorrhage: evaluation with MR imaging, Zimmerman RA; Bilaniuk LT; Hackney DB; Goldberg HI; Grossman RI, *Radiology* 1987; 162: 499
- physiopathology of fractures of the upper facial skeleton, Deboise A, *J Neuroradiol* 1986; 13: 232
- president's address: caring for the major trauma victim: role for radiology, McCort JJ, *Radiology* 1987; 163: 1
- use of CT in acute trauma victims, Young JWR; Burgess AR, *Radiology* 1988; 166: 903
- use of CT in acute trauma victims: reply, McCort JJ, *Radiology* 1988; 166: 903
- Face, injuries**
- computerized tomography CT in orbito-frontal injuries, Zoussouli A; Metzger J; Princ G; et al, *J Neuroradiol* 1986; 13: 251
- contribution of computerized tomography to the radiological study of craniofacial injuries: 34 cases, Halimi P; Doyon D; Bekkali F; et al, *J Neuroradiol* 1986; 13: 253
- craniofacial fractures and brain injuries, Bracad S; Marchal J-C; Auque J; et al, *J Neuroradiol* 1986; 13: 265
- craniofacial injuries, Doyon D; Vaillant JM; Comoy J, *J Neuroradiol* 1986; 13: 229
- craniofacial injuries: neurosurgical problems, Comoy J, *J Neuroradiol* 1986; 13: 248
- effect of alcohol intake on the radiographic quality in patients with midfacial trauma, Kinnunen J; Göthlin JH, *Acta Radiol* 1988; 29: 217
- effect of training and experience on radiologic diagnostic performance in midfacial trauma, Kinnunen J; Göthlin JH; Tötterman S, *Acta Radiol* 1988; 29: 83
- paranasal sinus hemorrhage: evaluation with MR imaging, Zimmerman RA; Bilaniuk LT; Hackney DB; Goldberg HI; Grossman RI, *Radiology* 1987; 162: 499
- penetrating vascular injuries of the face and neck: clinical and angiographic correlation, North CM; Ahmadi J; Segall HD; et al, *AJNR* 1986; 7: 855
- physiopathology of fractures of the upper facial skeleton, Deboise A, *J Neuroradiol* 1986; 13: 232
- rhinorrhea and meningitis due to post-traumatic osteo-meningeal defects in the anterior cranial fossa: diagnosis with water-soluble CT cisternography, Prere J; Puech JL; Derover N; et al, *J Neuroradiol* 1986; 13: 278
- three-dimensional reformations of computed tomography in the assessment of facial trauma, Gillespie JE; Isherwood I; Barker GR; et al, *Clin Radiol* 1987; 38: 523
- Face, MR studies**
- MR imaging of cavernous hemangioma of the face and neck, Itoh K; Nishimura K; Togashi K; et al, *JCAT* 1986; 10: 831
- MRI of facial skeleton and parapharyngeal space, Modder U; Lenz M; Steinbrich W, *Eur J Radiol* 1987; 7: 6
- MRI of the upper aerodigestive tract and neck, Rafto SE; Gefter WB, *Radiol Clin North Am* 1988; 26: 547
- three-dimensional contour surfacing of the skull, face, and brain from CT and MR images and from anatomic sections, Stimac GK; Sundsten JW; Prothero JS; et al, *AJR* 1988; 151: 807
- Face, neoplasms**
- chemoembolization of malignant facial tumours: a preliminary study in 47 patients, Tournade A; Courthouex P; Tajahmady T; et al, *J Neuroradiol* 1987; 14: 125

- craniofacial osteosarcomas: plain film, CT, and MR findings in 46 cases, Lee Y-Y; Van Tassel P; Nauert C; et al, *AJNR* 1988; 9: 379
- infratemporal fossa meningioma: CT and MR findings, Barlow TJ; Yuh WTC; DeMarino DP; et al, *JCAT* 1987; 11: 1050
- perineural tumor extension to the cavernous sinus from superficial facial carcinoma: CT manifestations, Woodruff WW Jr; Yeates AE; McLendon RE, *Radiology* 1986; 161: 395
- separation of the masticator space from the parapharyngeal space, Curtin HD, *Radiology* 1987; 163: 195
- Face, radiography**
- effect of alcohol intake on the radiographic quality in patients with midfacial trauma, Kinnunen J; Göthlin JH, *Acta Radiol* 1988; 29: 217
- Face, spasm**
- radiological analysis of hemifacial spasm with special reference to angiographic manifestations, Carlos R; Fukui M; Hasuo K; et al, *Neuroradiol* 1986; 28: 288
- Fallopian tubes**
- hydrosalpinx and tubal torsion: late complication of tubal ligation, Russin LD, *Radiology* 1986; 159: 115
- imaging of hydrosalpinx with torsion following tubal sterilization, Russin LD, *Semin US CT MR* 1988; 9: 175
- selective transcervical fallopian tube catheterization: technique update, Rösch J; Thurmond AS; Uchida BT; Sovak M, *Radiology* 1988; 168: 1
- terbutaline in diagnosis of interstitial fallopian tube obstruction, Thurmond AS; Novy M; Rösch J, *Invest Radiol* 1988; 23: 209
- Fallopian tubes, abscess**
- adnexal and cul-de-sac abnormalities: transvaginal sonography, Lande IM; Hill MC; Cosco FE; Kator NN, *Radiology* 1988; 166: 325
- computed tomography in the evaluation of tubo-ovarian abscesses in children, Mahboubi S; Caro PA, *CT* 1986; 10: 67
- Fallopian tubes, CT**
- computed tomography of hydrosalpinx following tubal ligation, Togashi K; Nishimura K; Itoh K; et al, *JCAT* 1986; 10: 78
- primary fallopian tube adenocarcinoma presenting as a hydrosalpinx: CT appearance, Shamam OM; Bennett WF; Teteris NJ; et al, *JCAT* 1988; 12: 674
- Fallopian tubes, diseases**
- case report: Gartner's duct associated with diverticulosis of the Fallopian tubes, Naisby GP, *Clin Radiol* 1987; 38: 207
- fallopian tube obstruction: selective salpingography and recanalization. work in progress, Thurmond AS; Novy M; Uchida BT; Rösch J, *Radiology* 1987; 163: 511
- Fallopian tubes, interventional procedure**
- fallopian tube obstruction: selective salpingography and recanalization. work in progress, Thurmond AS; Novy M; Uchida BT; Rösch J, *Radiology* 1987; 163: 511
- fluoroscopic transcervical fallopian tube catheterization for diagnosis and treatment of female infertility caused by tubal obstruction, Thurmond AS; Rösch J; Patton PE; Burry KA; Novy M, *Radiographics* 1988; 8: 621
- selective transcervical fallopian tube catheterization: technique update, Rösch J; Thurmond AS; Uchida BT; Sovak M, *Radiology* 1988; 168: 1
- Fallopian tubes, neoplasms**
- carcinoma of the fallopian tube, Hinton A; Bea C; Winfield AC; et al, *Urol Radiol* 1988; 10: 113
- primary fallopian tube adenocarcinoma presenting as a hydrosalpinx: CT appearance, Shamam OM; Bennett WF; Teteris NJ; et al, *JCAT* 1988; 12: 674
- tubal intramural polyps: incidence and radiographic demonstration, Reaback J; Wynn-Williams G; Gillett W, *Australas Radiol* 1988; 32: 117
- ultrasound appearance of fallopian tube carcinoma, Ajimakov S; Bhansrapravati Y; Israngura N, *JCU* 1988; 16: 516
- ultrasound presentation of primary carcinoma of the fallopian tube, Meyer JS; Kim CS; Price HM; et al, *JCU* 1987; 15: 132

Fallopian tubes, therapeutic radiology

Fallopian tubes, therapeutic radiology

high dose para-aortic lymph node irradiation for gynecologic cancer: technique, toxicity, and results, Russell AH; Jones DC; Russell KJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 267

Fallopian tubes, US studies

ectopic pregnancy: surgical-pathologic correlation with US. Rochester D; Panella JS; Port RB; Rosenfeld M; Rawal U. *Radiology* 1987; 165: 843

fallopian tube patency demonstrated at ultrasonography. Rasmussen F; Larsen C; Justesen P. *Acta Radiol* 1986; 27: 61

hydrosalpinx and tubal torsion: late complication of tubal ligation. Russin LD. *Radiology* 1986; 159: 115

transvaginal ultrasonographic study of the fallopian tube. (ab). Timor-Tritsch IE; Rottem S. *Radiology* 1988; 166: 586

ultrasonic presentation of giant hydrosalpinges in asymptomatic patients. Reuter KL; Cohen S; Daly D. *JCU* 1987; 15: 45

ultrasound appearance of fallopian tube carcinoma. Aijimakov S; Bhamarapravati Y; Israngura N. *JCU* 1988; 16: 516

ultrasound presentation of primary carcinoma of the fallopian tube. Meyer JS; Kim CS; Price HM; et al. *JCU* 1987; 15: 132

Familial conditions

autosomal dominant osteosclerosis associated with familial spinal canal stenosis. (ab). Yasuda Y; Dokoh S; Seko K; et al. *Radiology* 1987; 163: 293

computed tomography in neuronal ceroid lipofuscinosis: four case reports. Savolaine ER; Voeller K; Gunning W; et al. *CT* 1987; 11: 73

familial mixed deafness with branchial arch defects (earpits-deafness syndrome). (ab). Slack RWT; Phelps PD. *Radiology* 1986; 160: 286

familial vesicoureteral reflux: study of 16 families. Sirota L; Hertz M; Laufer J; et al. *Urol Radiol* 1986; 8: 22

Hippel-Lindau disease: MR imaging. Sato Y; Waziri M; Smith W; Frey EE; Yuh WTC; Hanson J; Franken EA Jr. *Radiology* 1988; 166: 241

X-linked progressive mixed deafness with perilymphatic gusher during stapes surgery. (ab). Cremers WRJ; Hombergen GCHJ; Scaf JJ; et al. *Radiology* 1986; 158: 573

Fascia, renal

perirenal spaces: CT evidence for communication across the midline. Kneeland JB; Auh YH; Rubenstein WA; Zirinsky K; Morrison H; Whalen JP; Kazam E. *Radiology* 1987; 164: 657

Fasciitis

technetium-99m MDP activity in unsuspected necrotizing fasciitis. Lisann NM; Yankelevitz DF; Castronuovo J; et al. *Clin Nucl Med* 1986; 11: 218

Fat, CT

abnormal body fat distribution detected by computed tomography in diabetic men. Shuman WP; Morris LLN; Leonetti DL; et al. *Invest Radiol* 1986; 21: 483

case of the month: changing mediastinum. Reed DH; Morgan S. *Br J Radiol* 1988; 61: 695

computed tomography of infiltrating benign lipoma. Varma DGK; Muchmore JH; Mizushima A. *CT* 1987; 11: 45

computed tomography of low periesophageal focal fat collections. Williamson BRJ; Paling MR. *CT* 1988; 12: 223

computed tomography of peripancreatic fat planes. Wittich GR; vanSonnenberg E; Willson SA; et al. *Eur J Radiol* 1987; 7: 253

epipericardial fat pad: CT findings. Paling MR; Williamson BRJ. *Radiology* 1987; 165: 335

intrafissural fat: CT correlation with chest radiography. Gale ME; Greif WL. *Radiology* 1986; 160: 333

who has most epidural fat? information from computed tomography. Dixon AK. *Br J Radiol* 1986; 59: 475

Fat, MR studies

changes in nuclear magnetic resonance (T_2) relaxation of limb tissue with bed rest. LeBlanc AD; Evans HJ; Schonfeld E; et al. *Magn Res Med* 1987; 4: 487

fat suppression by section-select gradient reversal on spin-echo MR imaging: work in progress. Gomori JM; Holland GA; Grossman RI; Geffer WB; Lenkinski RE. *Radiology* 1988; 168: 493

focal fat deposition in axial bone marrow: MR characteristics. Hajek PC; Baker LL; Goobar JE; Sartoris DJ; Hesselink JR; Haghighi P; Resnick D. *Radiology* 1987; 162: 245

magnetic resonance relaxation characteristics of muscle, fat and bone marrow of the extremities: normal values in a low field strength unit. Pettersson H; Slone RM. *Acta Radiol* 1987; 28: 363

modification of relaxation of lipid protons by molecular oxygen and nitroxides. Bennett HF; Swartz HM; Brown RD III; et al. *Invest Radiol* 1987; 22: 502

MR imaging of fat. Doores GC; Hricak H; Margulis AR; de Geer G. *Radiology* 1986; 158: 51

noninvasive determination of linoleic acid content of human adipose tissue by natural abundance carbon-13 nuclear magnetic resonance. Moonen CTW; Dimand RJ; Cox KL. *Magn Res Med* 1988; 6: 140

separation of lipid and water MR imaging signals by chopper averaging in the time domain. Szumowski J; Plewes DB. *Radiology* 1987; 165: 247

Fat, necrosis

breast mass in a farm woman. Abbutt PL; Templeton PA. *Invest Radiol* 1988; 23: 144

fat necrosis of the breast: unusual complication of lumpectomy and radiotherapy in breast cancer. Roston AV; El-Sayed ME. *Clin Radiol* 1987; 38: 31

fat necrosis simulating a primary tumor of the mesentery: sonographic diagnosis. Kordan B; Payne SD. *J Ultrasound Med* 1988; 7: 345

intraosseous lipomas: radiologic and pathologic manifestations. Milgram JW. *Radiology* 1988; 167: 153

pancreatic acinar cell carcinoma with subcutaneous and intraosseous fat necrosis. Radin DR; Colletti PM; Forrester DM; Tang WW. *Radiology* 1986; 158: 67

Fat, US studies

measurement of ultrasonic nonlinear parameter in excised fat tissues. Errabolu RL; Sehgal CM; Bahn RC; et al. *Ultrasound Med Biol* 1988; 14: 137

sonographic fat/muscle ratio. Fried AM; Coughlin K; Griffen WO. *Invest Radiol* 1986; 21: 71

Feeding tube, complications

complications due to inadvertent tracheobronchial placement of feeding tubes. Ghahremani GG. *Radiology* 1988; 167: 875

complications due to inadvertent tracheobronchial placement of feeding tubes: reply. Woodall BH; Winfield DF; Bisset GS III. *Radiology* 1988; 167: 876

complications due to inadvertent tracheobronchial placement of feeding tubes: reply. Wheeler PS. *Radiology* 1988; 167: 877

feeding tubes that pierce the lung: a case study in risk prevention and quality assurance. Wheeler PS. *Radiology* 1987; 165: 861

gastric pneumatosis secondary to an intramural feeding catheter. Mandell GA; Finkelstein M. *Pediatr Radiol* 1988; 18: 418

inadvertent pulmonary placement of feeding tubes. Gelfand DW; Ott DJ. *Radiology* 1988; 167: 283

inadvertent tracheobronchial placement of feeding tubes. Woodall BH; Winfield DF; Bisset GS III. *Radiology* 1987; 165: 727

inadvertent tracheobronchial placement of feeding tubes. Miller WT. *Radiology* 1988; 167: 875

inadvertent tracheobronchial placement of feeding tubes. Zeiss J; Woldenberg LS. *Radiology* 1988; 169: 874

Femur

evaluation of the Singh index and femoral calcar width as epidemiological methods for measuring bone mass in the femoral neck. Cooper C; Barker DJP; Hall AJ. *Clin Radiol* 1986; 37: 123

femoral head notch. Ozonoff MB; Ziter FMH Jr. *Skeletal Radiol* 1987; 16: 19

measurement of trabecular bone mineral density in the femur in vitro by using the coherent to Compton scatter ratio. Shukla SS; Krutof B; Koutouratsas L; et al. *Invest Radiol* 1988; 23: 305

Femur, abnormalities

association of femoral retroversion with slipped capital femoral epiphysis. (ab). Gelberman RH; Cohen MS; Shaw BA; et al. *Radiology* 1987; 163: 293

CT analysis of proximal femoral trabecular pattern simulating skeletal pathology. Kerr R; Resnick D; Pineda C. *JCAT* 1988; 12: 227

femoral anteversion. (ab). Murphy SB; Simon SR; Kijewski PK; et al. *Radiology* 1988; 167: 589

femoral torsion: CT measurement. Mahboubi S; Horstmann H. *Radiology* 1986; 160: 843

flattening of the distal femoral epiphyses in the trichorhinophalangeal syndrome. Schlesinger AE; Poznanski AK. *Pediatr Radiol* 1986; 16: 498

"missing" femoral condyle: unusual sequela to neonatal osteomyelitis and septic arthritis. Singdon RD; Berdon WE; Feldman F; Denton JR; Abramson S; Baker DH. *Radiology* 1986; 161: 359

patterns of femoral head migration in osteoarthritis of the hip: a reappraisal with CT and pathologic correlation. Hayward I; Björkengren AG; Pathria MN; Zlatnik MB; Sartoris DJ; Resnick D. *Radiology* 1988; 166: 857

proximal femoral focal deficiency: radiologic analysis of 49 cases. Hillmann JS; Mesgarzadeh M; Revesz G; Bonakdarpour A; Clancy M; Betz RR. *Radiology* 1987; 165: 769

use of bone scintigraphy in the management of slipped capital femoral epiphysis. Smergel EM; Harcke HT; Pizzutillo PD; et al. *Clin Nucl Med* 1987; 12: 349

Femur, CT

association of femoral retroversion with slipped capital femoral epiphysis. (ab). Gelberman RH; Cohen MS; Shaw BA; et al. *Radiology* 1987; 163: 293

case report 353. Resnick CS; Steffe JW; Wang SE. *Skeletal Radiol* 1986; 15: 175

CT analysis of proximal femoral trabecular pattern simulating skeletal pathology. Kerr R; Resnick D; Pineda C. *JCAT* 1988; 12: 227

femoral neck torsion angle measurement by computed tomography. Mesgarzadeh M; Revesz G; Bonakdarpour A. *JCAT* 1987; 11: 799

femoral torsion: CT measurement. Mahboubi S; Horstmann H. *Radiology* 1986; 160: 843

trabecular bone density in the proximal femur: quantitative CT assessment. work in progress. Sartoris DJ; Andre M; Resnick CS; Resnick D. *Radiology* 1986; 160: 707

Femur, diseases

case report 473. Abdelwahab IF; Present DA; Gould E; et al. *Skeletal Radiol* 1988; 17: 199

distal femoral epiphysis: normal standards for thickness and application to bone dysplasias. Schlesinger AE; Poznanski AK; Pudlowski RM; Millar EA. *Radiology* 1986; 159: 515

Femur, fractures

bilateral "simultaneous" femoral neck fractures following minimal stress. Vento JA; Slavin JD Jr; O'Brien JJ; et al. *Clin Nucl Med* 1986; 11: 411

bone imaging in the diagnosis of fractures of the femur and pelvis in the sixth to tenth decades. Slavin JD Jr; Mathews J; Spencer RP. *Clin Nucl Med* 1986; 11: 328

callus formation and the rate of healing of femoral fractures in patients with head injuries. (ab). Perkins R; Skirving AP. *Radiology* 1988; 166: 590

case report 443. Ihmeidan IH; Tehranzadeh J; Oldham SA; et al. *Skeletal Radiol* 1987; 16: 581

early scintigraphic findings of occult femoral and tibial fractures in infants. Park H-M; Kernek CB; Robb JA. *Clin Nucl Med* 1988; 13: 271

fractures de fatigue du col femoral. Bédard D; Dussault RG; Jean J-P; et al. *J Canad Assoc Radiol* 1988; 39: 209

long-term follow-up of children with femoral neck fractures. (ab). Leung PC; Lam SF. *Radiology* 1987; 162: 887

malunion of a femoral fracture mimicking osteomyelitis in three phase bone imaging. Shih W-J; Magoun S; Purcell M; et al. *Clin Nucl Med* 1988; 13: 38

- radiographic evaluation of modern orthopedic fixation devices, Richardson ML; Kilcoyne RF; Mayo KA; Lamont JG; Hastrup W, *Radiographics* 1987; 7: 685
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- supracondylar fracture of the femur after total knee arthroplasty, (ab), Merkel KD; Johnson EW Jr, *Radiology* 1986; 160: 285
- trabecular bone density in the proximal femur: quantitative CT assessment, work in progress, Sartoris DJ; Andre M; Resnick CS; Resnick D, *Radiology* 1986; 160: 707
- tuberculous pathological fracture of the femur in a 15-year-old boy, Jenyo MS; Komolafe F, *Pediatr Radiol* 1986; 16: 260
- Femur, injuries**
- case report 495, Ballmer PE; Bessler WT, *Skeletal Radiol* 1988; 17: 382
- femoral stress abnormalities: improved scintigraphic detection with frog-leg view, Ammann W; Matzinger J; Lloyd-Smith DR; Cohen PF; Clement DB, *Radiology* 1988; 169: 844
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- stress fractures: MR imaging, Lee JK; Yao L, *Radiology* 1988; 169: 217
- Femur, MR studies**
- chemical-shift MR imaging of the femoral head: an in vitro study of normal hips and hips with avascular necrosis, Mitchell DG; Joseph PM; Fallon M; et al, *AJR* 1987; 148: 1159
- magnetic resonance imaging and the diagnosis of avascular necrosis of the femoral head, Mikhael MA; Paige ML; Widen AL, *Comput Radiol* 1987; 11: 157
- magnetic resonance imaging of avascular necrosis of the femoral head, Thickman D; Axel L; Kressel HY; et al, *Skeletal Radiol* 1986; 15: 133
- MR imaging of avascular necrosis of the femoral head: value of small-field-of-view sagittal surface-coil images, Shuman WP; Castagno AA; Baron RL; et al, *AJR* 1988; 150: 1073
- stress fractures: MR imaging, Lee JK; Yao L, *Radiology* 1988; 169: 217
- Femur, necrosis**
- 30° cephalad anteroposterior tilt view to stage avascular necrosis of the femoral head, Friedman L; Dubowitz B; Hurwitz J; et al, *J Canad Assoc Radiol* 1988; 39: 213
- acute chondrolysis complicating Legg-Calve-Perthes disease, Dominguez R; Oh KS; Young LW; et al, *Skeletal Radiol* 1987; 16: 377
- aseptic necrosis of femoral head complicating thalassemia, Orzincolo C; Castaldi G; Scutellari PN; et al, *Skeletal Radiol* 1986; 15: 541
- avascular necrosis of the femoral head: morphologic assessment by MR imaging, with CT correlation, Mitchell DG; Kressel HY; Arger PH; Dalinka MK; Spritzer CE; Steinberg ME, *Radiology* 1986; 161: 739
- case report 352, Shpall EJ; Efremidis AP; Kasambalides E; et al, *Skeletal Radiol* 1986; 15: 170
- case report 391, Datz FL; Manaster BJ, *Skeletal Radiol* 1986; 15: 566
- chemical-shift MR imaging of the femoral head: an in vitro study of normal hips and hips with avascular necrosis, Mitchell DG; Joseph PM; Fallon M; et al, *AJR* 1987; 148: 1159
- failure of technetium-99m sulfur colloid uptake by the femoral head: aseptic necrosis or normal variation?, Monsein LH; Engel MA; Swanson DP, *Clin Nucl Med* 1987; 12: 33
- femoral head avascular necrosis: correlation of MR imaging, radiographic staging, radionuclide imaging, and clinical findings, Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Alavi A; Steinberg ME; Fallon M; Kressel HY, *Radiology* 1987; 162: 709
- joint-preserving operations for idiopathic avascular necrosis of the femoral head: results of core decompression, grafting and osteotomy, (ab), Saito S; Ohzono K; Ono K, *Radiology* 1988; 168: 294
- magnetic resonance imaging and the diagnosis of avascular necrosis of the femoral head, Mikhael MA; Paige ML; Widen AL, *Comput Radiol* 1987; 11: 157
- magnetic resonance imaging of avascular necrosis of the femoral head, Thickman D; Axel L; Kressel HY; et al, *Skeletal Radiol* 1986; 15: 133
- MR imaging of avascular necrosis of the femoral head: value of small-field-of-view sagittal surface-coil images, Shuman WP; Castagno AA; Baron RL; et al, *AJR* 1988; 150: 1073
- segmental patterns of avascular necrosis of the femoral head: early detection with MR imaging, Markisz JA; Knowles RJR; Altchek DW; Schneider R; Whalen JP; Cahill PT, *Radiology* 1987; 162: 717
- selective digital subtraction arteriography in necrosis of the femoral head, Heuck A; Reiser M; Schmucker F; et al, *Skeletal Radiol* 1987; 16: 270
- treatment of avascular necrosis of the femoral head, Hall FM, *Radiology* 1987; 165: 876
- treatment of avascular necrosis of the femoral head: reply, Markisz JA; Altchek DW, *Radiology* 1987; 165: 877
- Femur, neoplasms**
- case report 347, Frassica FJ; Unni KK; Sim FH, *Skeletal Radiol* 1986; 15: 77
- case report 353, Resnick CS; Steffe JW; Wang SE, *Skeletal Radiol* 1986; 15: 175
- case report 362, Lyoko JE; Guilford WB; Siegal GP; et al, *Skeletal Radiol* 1986; 15: 268
- case report 425, Raymond AK; Murphy GF; Rosenthal DI, *Skeletal Radiol* 1987; 16: 336
- case report 462, Frassica FJ; Sim FH; Wold LE, *Skeletal Radiol* 1988; 17: 77
- case report 468, Destian S; Hernandez-Schulman M; Raskin K; et al, *Skeletal Radiol* 1988; 17: 141
- computed tomography in low-back-pain after femur amputation for osteogenic sarcoma, Anda S; Moe PJ, *Pediatr Radiol* 1987; 17: 164
- Femur, radionuclide studies**
- bone imaging in the diagnosis of fractures of the femur and pelvis in the sixth to tenth decades, Slavin JD Jr; Mathews J; Spencer RP, *Clin Nucl Med* 1986; 11: 328
- early scintigraphic findings of occult femoral and tibial fractures in infants, Park H-M; Kernek CB; Robb JA, *Clin Nucl Med* 1988; 13: 271
- failure of technetium-99m sulfur colloid uptake by the femoral head: aseptic necrosis or normal variation?, Monsein LH; Engel MA; Swanson DP, *Clin Nucl Med* 1987; 12: 33
- femoral stress abnormalities: improved scintigraphic detection with frog-leg view, Ammann W; Matzinger J; Lloyd-Smith DR; Cohen PF; Clement DB, *Radiology* 1988; 169: 844
- malunion of a femoral fracture mimicking osteomyelitis in three phase bone imaging, Shih W-J; Magoun S; Purcell M; et al, *Clin Nucl Med* 1988; 13: 38
- segmental patterns of avascular necrosis of the femoral head: early detection with MR imaging, Markisz JA; Knowles RJR; Altchek DW; Schneider R; Whalen JP; Cahill PT, *Radiology* 1987; 162: 717
- treatment of avascular necrosis of the femoral head, Hall FM, *Radiology* 1987; 165: 876
- treatment of avascular necrosis of the femoral head: reply, Markisz JA; Altchek DW, *Radiology* 1987; 165: 877
- Femur, torsion**
- femoral neck torsion angle measurement by computed tomography, Mesgarzadeh M; Revesz G; Bonakdarpour A, *JCAT* 1987; 11: 799
- femoral torsion: CT measurement, Mahboubi S; Horstmann H, *Radiology* 1986; 160: 843
- measurement of femoral torsion: comparison of standard roentgenographic techniques with ultrasound, (ab), Phillips HO; Greene WB; Guilford WB; et al, *Radiology* 1986; 158: 575
- new method using ultrasound for measuring femoral anteversion (torsion): technique and reliability, Upadhyay SS; O'Neil T; Burwell RG; et al, *Br J Radiol* 1987; 60: 519
- Femur, US studies**
- longitudinal studies of femur growth in normal fetuses, Deter RL; Rossavik IK; Hill RM; et al, *JCU* 1987; 15: 299
- new method using ultrasound for measuring femoral anteversion (torsion): technique and reliability, Upadhyay SS; O'Neil T; Burwell RG; et al, *Br J Radiol* 1987; 60: 519
- Ferrites**
- See Iron
- Fertility**
- See Sterility
- Fetus**
- See also Pregnancy
- Fetus, abnormalities**
- abnormal facial features and extremities in human trisomy syndromes: prenatal US appearance, Benacerraf BR; Frigoletto FD Jr; Greene MF, *Radiology* 1986; 159: 243
- cardiac anomaly: review of the subject with case report and emphasis on practical sonography, Gibson JV; D'Cruz CA; Patel RB; et al, *JCU* 1986; 14: 541
- cardiac twin: report of Doppler sonography, Pretorius DH; Leopold GR; Moore TR; et al, *J Ultrasound Med* 1988; 7: 413
- antenatal diagnosis of diaphragmatic anomalies, Comstock CH; *J Ultrasound Med* 1986; 5: 391
- antenatal diagnosis of frontal cephalocele in a fetus with atelosteogenesis, Chervenak FA; Isaacson G; Rosenberg JC; et al, *J Ultrasound Med* 1986; 5: 111
- antenatal recognition of cerebral anomalies, Pili G; Rizzo N; Orsini LF; et al, *Ultrasound Med Biol* 1986; 12: 319
- antenatal sonographic appearance of Beckwith-Wiedemann syndrome, Koontz WL; Shaw LA; Lavery JP, *JCU* 1986; 14: 57
- antenatal sonographic diagnosis of cebocephaly, Bundy AL; Lidov H; Soliman M; et al, *J Ultrasound Med* 1988; 7: 395
- antenatal sonographic diagnosis of congenital clubfoot: possible indication for amniocentesis, Benacerraf BR, *JCU* 1986; 14: 703
- antenatal sonographic findings in trisomy 18, Bundy AL; Saltzman DH; Pober B; et al, *J Ultrasound Med* 1986; 5: 361
- antenatal sonographic visualization of cloacal dysgenesis, Lande IM; Hamilton EF, *J Ultrasound Med* 1986; 5: 275
- antenatal ultrasound diagnosis of the femur-fibula-ulna syndrome, Hirose K; Koyanagi T; Hara K; et al, *JCU* 1988; 16: 199
- antenatal ultrasound diagnosis of variant of pentapoly of Cantrell, Abu-Yousef MM; Wray AB; Williamson RA; et al, *J Ultrasound Med* 1987; 6: 535
- antenatal ultrasound findings in fetal triploidy syndrome, (ab), Crane JP; Beaver HA; Cheung SW, *Radiology* 1986; 158: 862
- "bullet"-shaped head in fetuses with spina bifida: a pointer to the spinal lesion, Chambers SE; Muir BB; Bell JE, *JCU* 1988; 16: 25
- case report 386, Cremin BJ; Ross JL, *Skeletal Radiol* 1986; 15: 495
- congenital microcephaly due to vascular disruption: in utero documentation, (ab), Hughes HE; Miskin M, *Radiology* 1987; 162: 592
- cutaneous and visceral hemangiomas in the Klippel-Trenaunay-Weber syndrome: antenatal sonographic detection, Lewis BD; Doubilet PM; Heller VL; et al, *AJR* 1986; 147: 598
- development of the hypodysplastic kidney: contribution of antenatal US diagnosis, Avni EF; Thoma Y; Van Gansbeke D; Matos C; Didier F; Droulez P; Schulman CC, *Radiology* 1987; 164: 123
- diagnosis of brain neuropathology in utero, Pretorius DH; Russ PD; Rumack CM; et al, *Neuroradiol* 1986; 28: 386
- diagnosis of ectopia cordis in the second trimester, Klingensmith WC III; Cioffi-Ragan DT; Harvey DE, *JCU* 1988; 16: 204
- diprosopus: diagnosis in utero, Okazaki JR; Wilson JL; Holmes SM; et al, *AJR* 1987; 149: 147
- Down syndrome: sonographic sign for diagnosis in the second-trimester fetus, Benacerraf BR; Frigoletto FD Jr; Cramer DW, *Radiology* 1987; 163: 811

- early amniocentesis for prenatal cytogenetic evaluation, Benacerraf BR; Greene MF; Saltzman DH; Barss VA; Penso CA; Nadel AS; Heffner LJ; Stryker JM; Sandstrom MM; Frigoletto FD Jr, *Radiology* 1988; 169: 709
- early prenatal diagnosis of asphyxiating thoracic dysplasia (Jeune's syndrome): value of fetal thoracic measurement, Skiptunas SM; Weiner S, *J Ultrasound Med* 1987; 6: 41
- early prenatal diagnosis of cyclopia associated with holoprosencephaly, Toth Z; Csecei K; Szeifert G; et al, *JCU* 1986; 14: 550
- femur length/abdominal circumference ratio: poor predictor of macrosomic fetuses in diabetic mothers, Benson CB; Doubilet PM; Saltzman DH; et al, *J Ultrasound Med* 1986; 5: 141
- fetal abnormalities diagnosed from early pregnancy, Gowland M, *Clin Radiol* 1988; 39: 106
- fetal abnormalities: diagnosis or treatment with percutaneous umbilical blood sampling under continuous US guidance, Benacerraf BR; Barss VA; Saltzman DH; Greene MF; Penso CA; Frigoletto FD, *Radiology* 1988; 166: 105
- fetal facial abnormalities identified during obstetric sonography, Hegge FN; Prescott GH; Watson PT, *J Ultrasound Med* 1986; 5: 679
- fetal hyaloid artery: timing of regression with US, Birnholz JC; Farrell EE, *Radiology* 1988; 166: 781
- fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies, Nyberg DA; Mack LA; Hirsch J; Pagon RO; Shepard TH, *Radiology* 1987; 163: 187
- fetal hydrocephaly: diagnosis, prognosis and management, van Egmond-Linden A; Wladimiroff JW; Niermeijer MF; et al, *Ultrasound Med Biol* 1986; 12: 939
- fetal hydrops secondary to a paratracheal hemangioma: malformation, Lenke RR; Cyr DR; Mack LA; et al, *J Ultrasound Med* 1986; 5: 223
- fetal mucopolidosis II (I-cell disease): radiologic and pathologic correlation, Babcock DS; Bove KE; Hug G; et al, *Pediatr Radiol* 1986; 16: 32
- fetal neck hemangioma: endothelioma with secondary hydrops fetalis: sonographic diagnosis, McGahan JP; Schneider JM, *JCU* 1986; 14: 384
- fetal omphalocele and gastroschisis: pitfalls in sonographic diagnosis, Lindfors KK; McGahan JP; Walter JP, *AJR* 1986; 147: 797
- fetal omphalocele and gastroschisis: review of 24 cases, Bair JH; Russ PD; Pretorius DH; et al, *AJR* 1986; 147: 1047
- fetal omphalocele: associated malformations and chromosomal defects, (ab), Gilbert WM; Nicolaides KH, *Radiology* 1988; 166: 910
- fetal renal anomalies, a diagnostic dilemma in the presence of intrauterine growth retardation and oligohydramnios, Reuss A; Wladimiroff JW; v. d. Wijnjaard JAGW; et al, *Ultrasound Med Biol* 1987; 13: 619
- fetal renal cystic disease: sonographic-pathologic correlation, Fong KW; Rahmani MR; Rose TH; et al, *AJR* 1986; 146: 767
- fetal uropathies diagnostic pitfalls and management, (ab), Avni EF; Rodesch F; Schulman CC, *Radiology* 1986; 159: 571
- hydrometocolpos, uterus didelphys, and septate vagina: antenatal sonographic diagnosis, Russ PD; Zavitz WR; Pretorius DH; et al, *J Ultrasound Med* 1986; 5: 211
- importance of karyotype determination in a fetus with ventriculomegaly and spina bifida discovered during the third trimester, Chervenak FA; Goldberg JD; Chiu T-H; et al, *J Ultrasound Med* 1986; 5: 405
- intrauterine cytotoxicosis: simple procedure to relieve anatomic and physiologic dysfunction in the fetus, Woo JSK; Li DFH; Wan MCW; et al, *JCU* 1986; 14: 474
- intrauterine dwarfism, peculiar faces and thin bones with multiple fractures—a new syndrome, Kozlowski K; Kan A, *Pediatr Radiol* 1988; 18: 394
- in utero analysis of heterozygous achondroplasia: variable time of onset as detected by femur length measurements, Kurtz AB; Filly RA; Wapner RJ; et al, *J Ultrasound Med* 1986; 5: 137
- in utero diagnosis of congenital diaphragmatic hernia by CT amniography, Kelly DR; Grant EG; Zeman RK; et al, *JCAT* 1986; 10: 500
- in utero sonographic demonstration of a caput succedaneum, Schwimer SR; Lebovic J, *J Ultrasound Med* 1986; 5: 711
- Kleeblattschadel anomaly: in utero sonographic appearance, Stamm ER; Pretorius DH; Rumack CM; et al, *J Ultrasound Med* 1987; 6: 319
- Klippel-Trenaunay syndrome: ultrasonic prenatal diagnosis, Shalev E; Romano S; Nseir T; et al, *JCU* 1988; 16: 268
- limb-body wall complex: in utero sonographic diagnosis of a complicated fetal malformation, Patten RM; Van Allen M; Mack LA; et al, *AJR* 1986; 146: 1019
- lobar holoprosencephaly with hydrocephalus: antenatal demonstration and differential diagnosis, Hoffman-Tretin JC; Horoupian DS; Koenigsberg M; et al, *J Ultrasound Med* 1986; 5: 691
- meconium periorchitis: a clinicopathologic study of four cases with a review of the literature, (ab), Dehner LP; Scott D; Stocker JT, *Radiology* 1987; 162: 591
- meconium peritonitis masquerading as fetal hydrops, Dillard JP; Edwards DK; Leopold GR, *J Ultrasound Med* 1987; 6: 49
- meconium peritonitis: prenatal sonographic findings and their clinical significance, Foster MA; Nyberg DA; Mahony BS; Mack LA; Marks WM; Raabe RD, *Radiology* 1987; 165: 661
- midtrimester screening for open neural tube defects: correlation of sonography with amniocentesis results, Lindfors KK; McGahan JP; Tennant FP; et al, *AJR* 1987; 149: 141
- multicystic dysplastic kidney in utero: changing appearance on US, Hashimoto BE; Filly RA; Callen PW, *Radiology* 1986; 159: 107
- neonatal ovarian cysts: sonographic-pathologic correlation, Nussbaum AR; Sanders RC; Hartman DS; Dudgeon DL; Farmley TH, *Radiology* 1988; 168: 817
- Pena-Shokeir syndrome: prenatal diagnosis by ultrasonography, Cardwell MS, *J Ultrasound Med* 1987; 6: 619
- placental changes in fetal triptolipid syndrome, Rubenstein JB; Swayne LC; Dica CA; et al, *J Ultrasound Med* 1986; 5: 545
- prenatal diagnosis of anencephaly: spectrum of sonographic appearances and distinction from the amniotic band syndrome, Goldstein RB; Filly RA, *AJR* 1988; 151: 547
- prenatal diagnosis of cardiovascular malformations in the fetus with situs inversus viscerum during the second trimester of pregnancy, DeVore GR; Sarti DA; Siassi B; et al, *JCU* 1986; 14: 454
- prenatal diagnosis of dwarfism by ultrasound screening, (ab), Weldner B-M; Persson P-H; Ivarsson SA, *Radiology* 1986; 160: 288
- prenatal diagnosis of fetal anomalies using ultrasound and MRI, Hill MC; Lande IM; Larsen JW Jr, *Radiol Clin North Am* 1988; 26: 287
- prenatal diagnosis of iniencephaly—(report of 2 cases), Kapoor R; Saha MM, *Australas Radiol* 1987; 31: 400
- prenatal diagnosis of neural tube defects: origin of midtrimester vertebral ossification centers as determined by sonographic water-bath studies, Gray DL; Crane JP; Rudloff MA, *J Ultrasound Med* 1988; 7: 421
- prenatal diagnosis of reversible cardiac hypoplasia associated with congenital diaphragmatic hernia: implications for postnatal management, Crawford DC; Drake DP; Kwaikowski D; et al, *JCU* 1986; 14: 718
- prenatal sonographic appearance of diprosopus, Strauss S; Tamarkin M; Engelberg S; et al, *J Ultrasound Med* 1987; 6: 93
- prenatal sonographic diagnosis of a fetal facial hemangioma, Pennell RG; Baltarowich OH, *J Ultrasound Med* 1986; 5: 525
- prenatal sonographic diagnosis of congenital hemivertebra, Benacerraf BR; Greene MF; Barss VA, *J Ultrasound Med* 1986; 5: 257
- prenatal sonographic diagnosis of triploidy, Edwards MT; Smith WL; Hanson J; et al, *J Ultrasound Med* 1986; 5: 279
- prenatal ultrasonic diagnosis of a rare case of iniencephaly apertus, Meizner I; Bar-Ziv J, *JCU* 1987; 15: 200
- prenatal ultrasonic diagnosis of congenital duplication of the stomach, Bidwell JK; Nelson A, *J Ultrasound Med* 1986; 5: 589
- prenatal ultrasound diagnosis of thoracopagus conjoined twins, Kalchbrenner M; Weiner S; Templeton J; et al, *JCU* 1987; 15: 59
- pseudomphalocele: pitfall in fetal sonography, Salzman L; Kuligowska E; Semine A, *AJR* 1986; 146: 1283
- schizencephaly: diagnosis and progression in utero, Klingensmith WC III; Clouff-Ragan DT, *Radiology* 1986; 159: 617
- second-trimester polyhydramnios: evaluation with US, Sivit CJ; Hill MC; Larsen JW; Lande IM, *Radiology* 1987; 165: 467
- significance of a single umbilical artery in fetuses with central nervous system malformations, Nyberg DA; Shepard T; Mack LA; et al, *J Ultrasound Med* 1988; 7: 265
- sonographic detection of fetal extrathoracic pulmonary sequestration, Mariona F; McAlpin G; Zador I; et al, *J Ultrasound Med* 1986; 5: 283
- sonographic detection of smoking-related decreased fetal growth, Jeanty P; Cousaert E; de Maetelaer V; et al, *J Ultrasound Med* 1987; 6: 13
- sonographic diagnosis of cloverleaf skull and thanatophoric dysplasia in the second trimester, Weiner CP; Williamson RA; Bonsib SM, *JCU* 1986; 14: 463
- sonographic diagnosis of clubfoot in utero, Hashimoto BE; Filly RA; Callen PW, *J Ultrasound Med* 1986; 5: 81
- sonographic diagnosis of lethal osteogenesis imperfecta in the second trimester: case report and review, Merz E; Goldhofer W, *JCU* 1986; 14: 380
- sonographic diagnosis of omphalocele in the first trimester of fetal gestation, Curtis JA; Watson L, *J Ultrasound Med* 1988; 7: 97
- sonographic evaluation of fetal anomalies in oligohydramnios between 16 and 30 weeks gestation, Sivit CJ; Hill MC; Larsen JW; et al, *AJR* 1986; 146: 1277
- sonographic features associated with cleft palate, Bundy AL; Saltzman DH; Emerson D; et al, *JCU* 1986; 14: 486
- sonography at the time of genetic amniocentesis to screen for fetal malformations, (ab), Hegge FN; Prescott GH; Watson PT, *Radiology* 1988; 168: 588
- sonography of Nager acrofacial dysostosis syndrome in utero, Benson B; Fober BR; Hirsch MP; et al, *J Ultrasound Med* 1988; 7: 163
- toluene embryopathy, (ab), Hersh JH; Podruch PE; Rogers G; et al, *Radiology* 1986; 158: 284
- ultrasonic detection of Apert syndrome, Hill LM; Thomas ML; Peterson CS, *J Ultrasound Med* 1987; 6: 601
- ultrasound case of the day, annual meeting, 1985, Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggard AH; Maywood CM, *Radiographics* 1986; 6: 1096
- ultrasound experience with prenatal genitourinary abnormalities, (ab), Bruno AN; Lavin JP; Nasrallah PF, *Radiology* 1986; 158: 287
- un suspected fetal abnormality, Zagoria RJ; Machen BC; King GT; et al, *Invest Radiol* 1986; 21: 282
- use of furosemide in pregnancies complicated by oligohydramnios, Kaghavendra BN; Young BK; Greco MA; Lustig-Gillman I; Horii SC; Hirsch MA; Yee J, *Radiology* 1987; 165: 455
- varied sonographic appearance of cystic hygromas in utero, Rahmani MR; Fong KW; Connor TP, *J Ultrasound Med* 1986; 5: 165

Fetus, blood supply

- absorption of fetal intraperitoneal blood after intrauterine transfusion, Hashimoto BE; Filly RA; Callen PW; et al, *J Ultrasound Med* 1987; 6: 421
- antenatal fetal blood flow in the descending aorta and in the umbilical vein and their ratio in normal pregnancy, Chen HY; Chang FM; Huang HC; et al, *Ultrasound Med Biol* 1988; 14: 263
- conventional and color Doppler in the assessment of fetal and maternal circulation, Kurjak A; Alfirević Z; Miljan M, *Ultrasound Med Biol* 1988; 14: 337
- fetal abnormalities: diagnosis or treatment with percutaneous umbilical blood sampling under continuous US guidance, Benacerraf BR; Barrs VA; Saltzman DH; Greene MF; Penso CA; Figoletto FD, *Radiology* 1988; 166: 105
- reverse flow in the human fetal descending aorta as a sign of severe fetal asphyxia preceding intrauterine death, Illyes M; Cati I, *JCU* 1988; 16: 403
- ultrasonic measurement of fetal blood velocity wave form as a secondary diagnostic test in screening for intrauterine growth retardation, Maršál K; Persson P-H, *JCU* 1988; 16: 239

Fetus, cardiovascular system

- acardiac twin: report of Doppler sonography, Pretorius DH; Leopold GK; Moore TR; et al, *J Ultrasound Med* 1988; 7: 413
- antenatal fetal blood flow in the descending aorta and in the umbilical vein and their ratio in normal pregnancy, Chen HY; Chang FM; Huang HC; et al, *Ultrasound Med Biol* 1988; 14: 263
- chronic maternal cigarette smoking and fetal abdominal aortic blood flow in humans, Eldridge MW; Berman W Jr; Greene ER, *J Ultrasound Med* 1986; 5: 131
- comparison of Doppler ultrasound waveform indices in the umbilical artery—I. indices derived from the maximum velocity waveform, Thompson RS; Trudinger BJ; Cook CM, *Ultrasound Med Biol* 1986; 12: 835
- comparison of Doppler ultrasound waveform indices in the umbilical artery—II. indices derived from the mean velocity and first moment waveforms, Thompson RS; Trudinger BJ; Cook CM, *Ultrasound Med Biol* 1986; 12: 845
- exploration of the fetal cerebral blood flow by duplex Doppler—linear array system in normal and pathological pregnancies, Arbeille P; Roncin A; Berson M; et al, *Ultrasound Med Biol* 1987; 13: 329
- fetal cardiac arrhythmias and their effect on volume blood flow in descending aorta of human fetus, Tonge HM; Wladimiroff JW; Noordam MJ; et al, *JCU* 1986; 14: 607
- fetal echocardiography: prenatal diagnosis of tricuspid atresia (type Ic) during the second trimester of pregnancy, DeVore GR; Siassi B; Platt LD, *JCU* 1987; 15: 317
- fetal hyaloid artery: timing of regression with US, Birnholz JC; Farrell EE, *Radiology* 1988; 166: 781
- hypoplastic left heart with absence of the aortic valve: prenatal diagnosis using two-dimensional and pulsed Doppler echocardiography, Cartier MS; Emerson D; Plappert T; et al, *JCU* 1987; 15: 463
- impact of fetal echocardiography on perinatal outcome, Copel JA; Kleinman CS, *Ultrasound Med Biol* 1986; 12: 327
- intracardiac tumor (rhabdomyoma) diagnosed by in utero ultrasound: case report, Stanford W; Abu-Yousef M; Smith W, *JCU* 1987; 15: 337
- in utero sonographic findings in fetal renal vein thrombosis with calcifications, Patel RB; Connors JJ, *J Ultrasound Med* 1988; 7: 349
- in utero thickening of the chordae tendinae: a cause of intracardiac echogenic foci, Schechter AG; Fakhry J; Shapiro LR; et al, *J Ultrasound Med* 1987; 6: 691
- in utero ultrasound diagnosis of congenital heart disease, Marasini M; Cordone M; Pongiglione G; et al, *JCU* 1988; 16: 103

- left ventricular echogenic focus: a normal finding, Levy DW; Mintz MC, *AJR* 1988; 150: 85
- normal diameter of the fetal aorta and pulmonary artery: echocardiographic evaluation in utero, Cartier MS; Davidoff A; Warneke LA; et al, *AJR* 1987; 149: 1003
- normal fetal heart axis and position, (ab), Comstock CH, *Radiology* 1988; 166: 296
- prenatal detection of left atrial isomerism by ultrasound, de Araujo LML; Silverman NH; Filly RA; et al, *J Ultrasound Med* 1987; 6: 667
- prenatal diagnosis of an unusual form of hypoplastic left heart syndrome, Vincent RN; Menticoglou S; Chanas D; et al, *J Ultrasound Med* 1987; 6: 261
- prenatal diagnosis of arteriovenous malformation of the vein of Galen, Reiter AA; Huhta JC; Carpenter RJ Jr; et al, *JCU* 1986; 14: 623
- prenatal diagnosis of multiple cardiac tumors presenting as an arrhythmia, Hoadley SD; Wallace RL; Miller JF; et al, *JCU* 1986; 14: 639
- prenatal diagnosis of reversible cardiac hypoplasia associated with congenital diaphragmatic hernia: implications for postnatal management, Crawford DC; Drake DP; Kwiatkowski D; et al, *JCU* 1986; 14: 718
- prenatal sonographic diagnosis of atrial hemangioma, Leithiser RE Jr; Fyfe D; Weatherly E III; et al, *AJR* 1986; 147: 1207
- prenatal ultrasonographic diagnosis of cardiomegaly due to tricuspid incompetence, Brown J; Gunn TR; Mora JD; et al, *Pediatr Radiol* 1986; 16: 440
- significance of an absent or reversed end diastolic flow in Doppler umbilical artery waveforms, Woo JSK; Liang ST; Lo RLS, *J Ultrasound Med* 1987; 6: 291
- spontaneous resolution of fetal ventriculomegaly in a diabetic patient, Toi A, *J Ultrasound Med* 1987; 6: 37
- systematic approach to fetal echocardiography using real-time/two-dimensional sonography, Cyr DR; Guntheroth WG; Mack LA; et al, *J Ultrasound Med* 1986; 5: 343
- ultrasonic appearance of common pulmonary vein atresia in utero, Samuel N; Sirota L; Bar-Ziv J; et al, *J Ultrasound Med* 1988; 7: 25
- venous lake bleeding: a complication of chorionic villus sampling, Poznaniak MA; Cullenward MJ; Zickuhr D; et al, *J Ultrasound Med* 1988; 7: 297

Fetus, central nervous system

- abnormalities of fetal cranial contour in sonographic detection of spina bifida: evaluation of the "lemon" sign, Nyberg DA; Mack LA; Hirsch J; Mahony BS, *Radiology* 1988; 167: 387
- agenesis of the corpus callosum in the foetus, neonate and infant, Vercio PW; LeQuesne GW, *Australas Radiol* 1987; 31: 129
- antenatal recognition of cerebral anomalies, Filu G; Rizzo N; Orsini LF; et al, *Ultrasound Med Biol* 1986; 12: 319
- antenatal ultrasound diagnosis of iniencephaly, Federaro AE; Abu-Yousef MM; Benda JA; et al, *JCU* 1987; 15: 550
- cephalocentesis: guidance with an endovaginal probe and endovaginal needle placement, Chayen B; Rifkin MD, *J Ultrasound Med* 1987; 6: 221
- congenital microcephaly due to vascular disruption: in utero documentation, (ab), Hughes HE; Miskin M, *Radiology* 1987; 162: 592
- Dandy-Walker malformation prenatal sonographic diagnosis and its clinical significance, Nyberg DA; Cyr DR; Mack LA; et al, *J Ultrasound Med* 1988; 7: 65
- detection of open spina bifida by the lemon sign: pathologic correlation, Gabbe SG; Mintz MC; Mennuti MT; et al, *JCU* 1988; 16: 399
- diagnosis of brain neuropathology in utero, Pretorius DH; Russ PD; Rumack CM; et al, *Neuroradiol* 1986; 28: 386
- erroneous sonographic identification of fetal lateral ventricles: relationship to the echogenic periventricular "blush", Bowerman RA; DiPietro MA, *AJNR* 1987; 8: 661
- exclusion of fetal ventriculomegaly with a single measurement: the width of the lateral ventricular atrium, Cardoza JD; Goldstein RB; Filly RA, *Radiology* 1988; 169: 711
- fetal hydrocephalus: diagnosis and significance, Benacerraf BR, *Radiology* 1988; 169: 858
- fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies, Nyberg DA; Mack LA; Hirsch J; Pagon RO; Shepard TH, *Radiology* 1987; 163: 187
- fetal rhombencephalon: normal US findings, Cyr DR; Mack LA; Nyberg DA; Shepard TH; Shuman WP, *Radiology* 1988; 166: 691
- fetal spine, Russ PD; Pretorius DH; Manco-Johnson ML; et al, *Neuroradiol* 1986; 28: 398
- fetal spine morphology and maturation during the second trimester: sonographic evaluation, Filly RA; Simpson GF; Linkowski G, *J Ultrasound Med* 1987; 6: 631
- fetal subarachnoid cisterns: ultrasound study with report of a case of congenital communicating hydrocephalus, Filu G; De Palma L; Romero R; et al, *J Ultrasound Med* 1986; 5: 365
- holoprosencephaly: prenatal sonographic diagnosis, Nyberg DA; Mack LA; Bronstein A; et al, *AJNR* 1987; 8: 871
- "lemon" sign: a clinical perspective, Filly RA, *Radiology* 1988; 167: 573
- midtrimester screening for open neural tube defects: correlation of sonography with amniocentesis results, Lindfors KK; McGahan JP; Tennant FP; et al, *AJR* 1987; 149: 141
- mild idiopathic lateral cerebral ventricular dilatation in utero: sonographic evaluation, Mahony BS; Nyberg DA; Hirsch JH; Petty CN; Hendricks SK; Mack LA, *Radiology* 1988; 169: 715
- MR imaging of fetal brain, Mintz MC; Grossman RI; Isaacson G; et al, *JCAT* 1987; 11: 120
- myelographic study of the spinal cord ascent during fetal development, Hawass ND; El-Badawi MG; Fatani JA; et al, *AJNR* 1987; 8: 691
- prenatal diagnosis of agenesis of the corpus callosum, Bertino RE; Nyberg DA; Cyr DR; et al, *J Ultrasound Med* 1988; 7: 251
- prenatal diagnosis of anencephaly: spectrum of sonographic appearances and distinction from the amniotic band syndrome, Goldstein RB; Filly RA, *AJR* 1988; 151: 547
- prenatal diagnosis of cystic CNS lesions in neonatal isoimmune thrombocytopenia, Lester RB III; Sty JR, *J Ultrasound Med* 1987; 6: 479
- prenatal diagnosis of neural tube defects: origin of midtrimester vertebral ossification centers as determined by sonographic water-bath studies, Gray DL; Crane JP; Rudloff MA, *J Ultrasound Med* 1988; 7: 421
- prenatal sonographic diagnosis of agenesis of corpus callosum, Meizner I; Barki Y; Hertzanu Y, *JCU* 1987; 15: 262
- prenatal sonographic diagnosis of congenital hemivertebra, Benacerraf BR; Greene MF; Barrs VA, *J Ultrasound Med* 1986; 5: 257
- prenatal sonographic visualization of the inner ear, Isaacson G; Mintz MC, *J Ultrasound Med* 1986; 5: 409
- prenatal ultrasonic diagnosis of a rare case of iniencephaly apertus, Meizner I; Bar-Ziv J, *JCU* 1987; 15: 200
- relative growth of the higher fetal brain structures, Siedler DE; Filly RA, *J Ultrasound Med* 1987; 6: 573
- schizencephaly: diagnosis and progression in utero, Klingensmith WC III; Cioffi-Ragan DT, *Radiology* 1986; 159: 617
- significance of a single umbilical artery in fetuses with central nervous system malformations, Nyberg DA; Shepard T; Mack LA; et al, *J Ultrasound Med* 1988; 7: 265
- sonographic evaluation of cerebral cortical mantle thickness in the fetus and neonate with hydrocephalus, Callen PW; Hashimoto BE; Newton TH, *J Ultrasound Med* 1986; 5: 251

Fetus, central nervous system

sonographic sign which predicts which fetuses with hydrocephalus have an associated neural tube defect, Penso C; Redline RW; Benacerraf BR, *J Ultrasound Med* 1987; 6: 307

three lines: origin of sonographic landmarks in the fetal head, Hertzberg BS; Bowie JD; Burger PC; et al, *AJR* 1987; 149: 1009

ultrasonography of the normal fetal brain, Pado ME; Kurtz AB, *Neuroradiol* 1986; 28: 380

vascular basis for neural tube defects: a hypothesis, (ab), Stevenson RE; Kelly JC; Aylsworth AS; et al, *Radiology* 1987; 165: 888

Fetus, CT

artifacts seen during CT pelvimetry: implications for digital systems with scanning beams, Brody AS; Saks BJ; Field DR; Skinner SR; Capra RE, *Radiology* 1986; 160: 269

conceptus dose from two state-of-the-art CT scanners, Wagner LK; Archer BR; Zeck OF, *Radiology* 1986; 159: 787

in utero diagnosis of congenital diaphragmatic hernia by CT amniography, Kelly DR; Grant EG; Zeman RK; et al, *JCAT* 1986; 10: 500

Fetus, death

early diagnosis of nonviable pregnancy with endovaginal US, Levi CS; Lyons EA; Lindsay DJ, *Radiology* 1988; 167: 383

reverse flow in the human fetal descending aorta as a sign of severe fetal asphyxia preceding intrauterine death, Illyés M; Gáti I, *JCU* 1988; 16: 403

ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Aufrechtig D; Cohen AJ; Harrison L; Miller EI; Crade M, *Radiographics* 1987; 7: 389

yolk sac calcification: a sonographic finding associated with intrauterine embryonic demise in the first trimester, Harris RD; Vincent LM; Askin FB, *Radiology* 1988; 166: 109

Fetus, effects of irradiation on

absorbed dose to the fetus during bone scintigraphy, Hedrick WR; DiSimone RN; Wolf BH; Langer A, *Radiology* 1988; 168: 245

average fetal depth in utero: data for estimation of fetal absorbed radiation dose, Ragazzino MW; Breckle R; Hill LM; Gray JE, *Radiology* 1986; 158: 513

fetal dosimetry from pulmonary imaging in pregnancy: revised estimates, Ponto JA, *Clin Nucl Med* 1986; 11: 108

irradiation of the embryo and fetus, Mole RH, *Br J Radiol* 1987; 60: 17

Fetus, gastrointestinal tract

anorectal atresia: prenatal sonographic diagnosis, Harris RD; Nyberg DA; Mack LA; et al, *AJR* 1987; 149: 395

antenatal detection of hepatic cyst, Chung W-M, *JCU* 1986; 14: 217

bowel migration in the normal fetus: US detection, Cyr DR; Mack LA; Schoencker SA; Patten RM; Shepard TH; Shuman WP; Moss AA, *Radiology* 1986; 161: 119

congenital chloridorrhea: antenatal ultrasonographic appearance, Grolí C; Zucca S; Cesaretti A, *JCU* 1986; 14: 293

dilated fetal bowel: sonographic sign of cystic fibrosis, Nyberg DA; Hastrup W; Watts H; et al, *J Ultrasound Med* 1987; 6: 257

early diagnosis and intrauterine therapy of meconium plug syndrome in the fetus: risks and benefits, Samuel N; Dicker D; Landman J; et al, *J Ultrasound Med* 1986; 5: 425

fetal bowel: normal sonographic findings, Nyberg DA; Mack LA; Patten RM; et al, *J Ultrasound Med* 1987; 6: 3

fetal gallstones, Klingensmith WC III; Cioffi-Ragan DT, *Radiology* 1988; 167: 143

fetal gastric pseudomasses, Fakhry J; Shapiro LR; Schechter A; et al, *J Ultrasound Med* 1987; 6: 177

fetal omphalocele and gastroschisis: pitfalls in sonographic diagnosis, Lindfors KK; McGahan JP; Walter JP, *AJR* 1986; 147: 797

fetal small bowel simulating an abdominal mass at sonography, Manco LG; Nunan FA Jr; Sohnen H; et al, *JCU* 1986; 14: 404

ischemic hepatic necrosis: cause of fetal liver calcification, Nguyen DL; Leonard JC, *AJR* 1986; 147: 596

prenatal and postnatal sonographic delineation of gastrointestinal abnormalities in a case of the VATER syndrome, Claiborne AK; Blocker SH; Martin CM; et al, *J Ultrasound Med* 1986; 5: 45

prenatal diagnosis of duodenal atresia: does it make any difference?, (ab), Romero R; Ghidini A; Costigan K; et al, *Radiology* 1988; 169: 887

prenatal sonographic diagnosis of Hirschsprung's disease, Vermesh M; Mayden KL; Confino E; et al, *J Ultrasound Med* 1986; 5: 37

prenatal ultrasonographic diagnosis of congenital duplication of the stomach, Bidwell JK; Nelson A, *J Ultrasound Med* 1986; 5: 589

spontaneous resolution of gallstones in infants: role of hypocaloric oral feeding, Math MV, *Radiology* 1988; 169: 283

ultrasound assessment of fetal intestinal development in the evaluation of gestational age, (ab), Goldstein I; Lockwood C; Hobbins JC, *Radiology* 1988; 167: 588

Fetus, genitourinary system

antenatal diagnosis of fetal pelvic kidneys, Hill LM; Peterson CS, *J Ultrasound Med* 1987; 6: 393

antenatal sonographic detection of a fetal theca lutein cyst: clue to maternal diabetes mellitus, Nguyen KT; Reid RL; Sauerbrei E, *J Ultrasound Med* 1986; 5: 665

antenatal sonographic diagnosis of adrenal neuroblastoma, Fowlie F; Giacomantonio M; McKenzie E; et al, *J Canad Assoc Radiol* 1986; 37: 50

antenatal sonographic diagnosis of complicated ovarian cysts, Preziosi P; Fariello G; Maiorana A; et al, *JCU* 1986; 14: 196

antenatal sonographic visualization of cloacal dysgenesis, Lande IM; Hamilton EF, *J Ultrasound Med* 1986; 5: 275

current concepts in sonographic diagnosis of fetal renal disease, Rouse GA; Kaminsky CK; Saaty HP; Grube GL; Fritzsche PJ, *Radiographics* 1988; 8: 119

development of the hypodysplastic kidney: contribution of antenatal US diagnosis, Avni EF; Thoua Y; Van Gansbeke D; Matos C; Didier F; Droulez P; Schulman CC, *Radiology* 1987; 164: 123

diagnosis of autosomal dominant polycystic kidney disease in utero and in the young infant, Pretorius DH; Lee ME; Manco-Johnson ML; et al, *J Ultrasound Med* 1987; 6: 249

diagnostic sonography of the fetal genitourinary tract, Cohen HL; Haller JO, *Urol Radiol* 1987; 9: 88

effects of maternal hydration on fetal renal pyelectasis, Allen KS; Arger PH; Mennuti M; Coleman BG; Mintz MC; Fishman M, *Radiology* 1987; 163: 807

fetal renal cystic disease: sonographic-pathologic correlation, Fong KW; Rahmani MR; Rose TH; et al, *AJR* 1986; 146: 767

fetal uropathies diagnostic pitfalls and management, (ab), Avni EF; Rodesch F; Schulman CC, *Radiology* 1986; 159: 571

first-trimester diagnosis of low obstructive uropathy: an indicator of initial renal function in the fetus, Bulić M; Podobnik M; Korenić B; et al, *JCU* 1987; 15: 537

hydrometrocolpos, uterus didelphys, and septate vagina: antenatal sonographic diagnosis, Russ PD; Zavitz WR; Pretorius DH; et al, *J Ultrasound Med* 1986; 5: 211

multicystic dysplastic kidney: natural history from in utero diagnosis and postnatal followup, (ab), Avni EF; Thoua Y; Lalmand B; et al, *Radiology* 1988; 167: 885

multicystic dysplastic kidney: observations of contralateral disease in the fetal population, Kleiner B; Filly RA; Mack LA; Callen PW, *Radiology* 1986; 161: 27

neonatal hydronephrosis in the era of sonography, Brown T; Mandell J; Lebowitz RL, *AJR* 1987; 148: 959

oligohydramnios associated with bilateral multicystic dysplastic kidneys: prenatal diagnosis at 15 weeks' gestation, Stiller RJ; Pinto M; Heller C; et al, *JCU* 1988; 16: 436

posterior urethral obstruction: prenatal sonographic findings and clinical outcome in fourteen cases, Hayden SA; Russ PD; Pretorius DH; et al, *J Ultrasound Med* 1988; 7: 371

posterior urethral valves: update and review, Macpherson RI; Leithiser RE Jr; Gordon L; Turner WR, *Radiographics* 1986; 6: 753

postnatal resolution of large ovarian cysts detected in utero: report of two cases, Amodio J; Abramson S; Berdon W; et al, *Pediatr Radiol* 1987; 17: 467

prenatal and immediate postnatal ultrasonographic diagnosis of ureterocele, Fitzsimons PJ; Frost RA; Millward SF; et al, *J Canad Assoc Radiol* 1986; 37: 189

prenatal sonographic diagnosis of bladder extrophy, Mirk P; Calisti A; Fileni A, *J Ultrasound Med* 1986; 5: 291

sonographic analysis of the fetus with ureteropelvic junction obstruction, Kleiner B; Callen PW; Filly RA, *AJR* 1987; 148: 359

ultrasound experience with prenatal genitourinary abnormalities, (ab), Bruno AN; Lavin JP; Nasrallah PF, *Radiology* 1986; 158: 287

ureteropelvic junction stenosis: antenatal ultrasonographic diagnosis, postnatal investigation, and follow-up, Grignon A; Filiatru D; Homsy Y; Robitaille P; Filion R; Boutin H; Leblond R, *Radiology* 1986; 160: 649

urinary tract dilatation in utero: classification and clinical applications, Grignon A; Filion R; Filiatru D; Robitaille P; Homsy Y; Boutin H; Leblond R, *Radiology* 1986; 160: 645

use of furosemide in pregnancies complicated by oligohydramnios, Raghavendra BN; Young BK; Greco MA; Lustig-Gillman I; Horii SC; Hirsch MA; Yee J, *Radiology* 1987; 165: 455

Fetus, growth and development

amniotic sac development: ultrasound features of early pregnancy—the double bleb sign, Yeh H-C; Rabinowitz JG, *Radiology* 1988; 166: 97

biparietal diameter and menstrual age in the black population attending Edendale Hospital, Munoz WP; Moore PJ; Mackinnon A; et al, *JCU* 1986; 14: 681

biparietal diameter measurements: is there an optimal level for these?, Mok PM; Mitchell JM; Whitlock RML; et al, *Australas Radiol* 1987; 31: 25

bowel migration in the normal fetus: US detection, Cyr DR; Mack LA; Schoencker SA; Patten RM; Shepard TH; Shuman WP; Moss AA, *Radiology* 1986; 161: 119

circumference measurements in obstetrical ultrasound: ellipse vs. arithmetic mean, Adler RS; Bowerman RA; Rubin JM, *JCU* 1988; 16: 361

comparison of biparietal diameter and femur length in the third trimester: effects of gestational age and variation in fetal growth, Wolfson RN; Peisner DB; Chik LL; et al, *J Ultrasound Med* 1986; 5: 145

comparison of fetal biometric ratios to neonatal morphometrics, Hays D; Patterson RM, *J Ultrasound Med* 1987; 6: 71

comparison of sector and linear array scanners for the measurements of the fetal femur, (ab), Jeanty P; Beck GJ; Chervenak FA; et al, *Radiology* 1986; 158: 863

comparison of two different ultrasound methods for estimating fetal weight in preterm gestations, Campbell WA; Vintzileos AM; Nochimson DJ, *JCU* 1988; 16: 463

cortical sulcal development seen on sonography: relationship to gestational parameters, Worthen NJ; Gilbertson V; Lau C, *J Ultrasound Med* 1986; 5: 153

crown-rump length and serum human chorionic gonadotropin as predictors of gestational age, (ab), Chervenak FA; Brightman RC; Thornton J; et al, *Radiology* 1986; 160: 862

development of individual growth curve standards for estimated fetal weight: I. weight estimation procedure, Deter RL; Rossavik IK; Harriet RB, *JCU* 1988; 16: 215

Doppler umbilical velocimetry in the prediction of adverse outcome in pregnancies at risk for intrauterine growth retardation, (ab), Berkowitz GS; Melahek KE; Chitkara U; et al, *Radiology* 1988; 169: 290

- effect of ventricular dilatation upon biometry of the fetal head, Callen PW; Chooljian D, *J Ultrasound Med* 1986; 5: 17
- epiphyseal ossification centers in the assessment of fetal maturity: sonographic correlation with the amniocentesis lung profile, Mahony BS; Bowie JD; Killam AP; Kay HH; Cooper C, *Radiology* 1986; 159: 521
- estimated fetal weight: applicability to small- and large-for-gestational-age fetus, Miller JM Jr; Kissling GA; Brown HL; et al, *JCU* 1988; 16: 95
- evaluation of fetal femur length for prediction of gestational age in a racially mixed obstetric population, Ruvofo KA; Filly RA; Callen PW, *J Ultrasound Med* 1987; 6: 417
- evaluation of fetal thigh circumference measurements: comparative ultrasound and anatomical study, Warda A; Deter RL; Duncan G; et al, *JCU* 1986; 14: 99
- evaluation of fetal weight prediction using a simple equation containing the fetal femur length, Woo JSK; Wan MCW, *J Ultrasound Med* 1986; 5: 453
- evaluation of three methods for estimating fetal weight, Hill LM; Breckle R; Wolfgram KR; et al, *JCU* 1986; 14: 171
- factors affecting prenatal sonographic estimation of weight in extremely low birthweight infants, Townsend KR; Filly RA; Callen PW; et al, *J Ultrasound Med* 1988; 7: 183
- fetal femur length/abdominal circumference ratio in preterm labor patients with and without successful tocolytic therapy, Westgren M; Beall M; Divon M; et al, *J Ultrasound Med* 1986; 5: 243
- fetal head and abdominal circumferences: effect of profile shape on the accuracy of ellipse equations, Shields JR; Medearis AL; Bear MB, *JCU* 1987; 15: 241
- fetal head and abdominal circumferences: ellipse calculations versus planimetry, Shields JR; Medearis AL; Bear MB, *JCU* 1987; 15: 237
- fetal hyaloid artery: timing of regression with US, Birnholz JC; Farrell EE, *Radiology* 1988; 166: 781
- fetal lateral ventricular ratio determination during the second trimester, Pretorius DH; Drose JA; Manco-Johnson ML, *J Ultrasound Med* 1986; 5: 121
- fetal lumbar spine: measuring axial growth with US, Birnholz JC, *Radiology* 1986; 158: 805
- fetal lung to liver reflectivity ratio and lung maturity, Feingold M; Scollins J; Cetrulo CL; et al, *JCU* 1987; 15: 384
- fetal renal anomalies, a diagnostic dilemma in the presence of intrauterine growth retardation and oligohydramnios, Reuss A; Wladimiroff JW; v. d. Wijngaard JAGW; et al, *Ultrasound Med Biol* 1987; 13: 619
- fetal rhombencephalon: normal US findings, Cyr DR; Mack LA; Nyberg DA; Shepard TH; Shuman WP, *Radiology* 1988; 166: 691
- fetal spine morphology and maturation during the second trimester: sonographic evaluation, Filly RA; Simpson GF; Linkowski G, *J Ultrasound Med* 1987; 6: 631
- fetal thigh circumference: critical evaluation of its relationship to menstrual age, Deter RL; Warda A; Rossavik IK; et al, *JCU* 1986; 14: 105
- fetal weight estimates in late pregnancy with emphasis on macrosomia, Miller JM Jr; Korndorfer FA III; Gabert HA, *JCU* 1986; 14: 437
- fitting growth curves to head and abdomen measurements of the fetus: multicentric study, Todros T; Ferrazzi E; Grolli C; et al, *JCU* 1987; 15: 95
- fractional spine length: new parameter for assessing fetal growth, Li DFH; Woo JSK, *J Ultrasound Med* 1986; 5: 379
- improved prediction of intrauterine growth retardation with use of multiple parameters, Benson CB; Boswell SB; Brown DL; Saltzman DH; Doubilet PM, *Radiology* 1988; 168: 7
- influence of fetal growth patterns on sonographic estimation of fetal weight, Simon NV; Levitsky JS; Shearer DM; et al, *JCU* 1987; 15: 376
- intrauterine sign: US criterion of early intrauterine pregnancy, Yeh H-C; Goodman JD; Carr L; Rabinowitz JG, *Radiology* 1986; 161: 463
- intrapartum fetal weight estimation: comparison of three formulas, Yarkoni S; Reece EA; Wan M; et al, *J Ultrasound Med* 1986; 5: 707
- intrauterine growth retardation in the first trimester associated with triploidy, Benacerraf BR, *J Ultrasound Med* 1988; 7: 153
- intrauterine growth retardation: predictive value of US criteria for antenatal diagnosis, Benson CB; Doubilet PM; Saltzman DH, *Radiology* 1986; 160: 415
- longitudinal studies of femur growth in normal fetuses, Deter RL; Rossavik IK; Hill RM; et al, *JCU* 1987; 15: 299
- longitudinal studies of thigh circumference growth in normal fetuses, Deter RL; Rossavik IK; Cortisoz C; et al, *JCU* 1987; 15: 388
- mathematical modeling of fetal growth. III. evaluation of head growth using the head profile area, Rossavik IK; Deter RL; Hadlock FP, *JCU* 1987; 15: 23
- mathematical modeling of fetal growth. IV. evaluation of trunk growth using the abdominal profile area, Rossavik IK; Deter RL; Hadlock FP, *JCU* 1987; 15: 31
- mathematical modeling of fetal growth: V. fetal weight changes at term, Rossavik IK; Deter RL; Wasserstrum N, *JCU* 1988; 16: 9
- myelographic study of the spinal cord ascent during fetal development, Hawass ND; El-Badawi MG; Fatani JA; et al, *AJNR* 1987; 8: 691
- pitfalls in femur length measurements, Goldstein RB; Filly RA; Simpson G, *J Ultrasound Med* 1987; 6: 203
- placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome, Nyberg DA; Mack LA; Benedetti TJ; Cyr DR; Schuman WP, *Radiology* 1987; 164: 357
- predictiveness of sonographic fetal weight estimation as a function of prior probability of intrauterine growth retardation, Simon NV; Levitsky JS; Shearer DM; et al, *JCU* 1988; 16: 285
- routine obstetric ultrasound: effectiveness of cross-sectional screening for fetal growth retardation, Ferrazzi E; Nicolini U; Kustermann A; et al, *JCU* 1986; 14: 17
- significance of ultrasound measurements of the head of the breech fetus, Bader B; Graham D; Stinson S, *J Ultrasound Med* 1987; 6: 437
- sonographic detection of smoking-related decreased fetal growth, Jeanty P; Coussaert E; de Maertelaer V; et al, *J Ultrasound Med* 1987; 6: 13
- specific skeletal dysplasias in utero: sonographic diagnosis, Pretorius DH; Rumack CM; Manco-Johnson ML; Manchester D; Meier P; Bramble J; Clewell W, *Radiology* 1986; 159: 237
- tolerance intervals for standards in ultrasound measurements: determination of BPD standards, Wexler S; Fuchs C; Golan A; et al, *JCU* 1986; 14: 243
- twin and singleton growth patterns compared using US, Grumbach K; Coleman BG; Arger PH; Mintz MC; Gabbe SV; Mennuti MT, *Radiology* 1986; 158: 237
- twin gestations: monitoring of complications and anomalies with US, Coleman BG; Grumbach K; Arger PH; Mintz MC; Arenson R; Mennuti M; Gabbe SG, *Radiology* 1987; 165: 449
- ultrasonic measurement of fetal blood velocity wave form as a secondary diagnostic test in screening for intrauterine growth retardation, Marsal K; Persson P-H, *JCU* 1988; 16: 239
- ultrasonic mensuration of fetal limb bones in the second and third trimesters, Merz E; Kim-Kern M-S; Pehl S, *JCU* 1987; 15: 175
- ultrasonographic measurements of the fetal neck correlated with gestational age, Hata K; Hata T; Takamiya O; et al, *J Ultrasound Med* 1988; 7: 333
- ultrasound assessment of fetal intestinal development in the evaluation of gestational age, (ab), Goldstein I; Lockwood C; Hobbs JC, *Radiology* 1988; 167: 588
- ultrasound evaluation of the distal femoral epiphyseal ossification center as a screening test for intrauterine growth retardation, (ab), Zilanti M; Fernandez S; Azuaga A; et al, *Radiology* 1988; 166: 586
- ultrasound measurement of the fetal cerebral ventricles: prospective, consecutive study, Jorgensen C; Ingemansson I; Svalenius E; et al, *JCU* 1986; 14: 185
- underestimation of gestational age by conventional crown-rump length dating curves, (ab), MacGregor SN; Tamura RK; Sabbagha RE; et al, *Radiology* 1988; 166: 586

Fetus, MR studies

- magnetic resonance imaging: the use of the inversion recovery sequence to display fetal morphology, Smith FW; Sutherland HW, Jr, *J Radiol* 1988; 61: 338
- midgestational exposure of pregnant BALB/c mice to magnetic resonance imaging conditions, Heinrichs WL; Fong P; Flannery M; et al, *Magn Res Imag* 1988; 6: 305
- MR imaging of fetal brain, Mintz MC; Grossman RI; Isaacson G; et al, *JCAT* 1987; 11: 120
- prenatal diagnosis of fetal anomalies using ultrasound and MRI, Hill MC; Lande IM; Larsen JW Jr, *Radiol Clin North Am* 1988; 26: 287
- progressive and regressive changes in the nucleus pulposus: part I. the neonate, Ho PS; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM, *Radiology* 1988; 169: 87

Fetus, neoplasms

- antenatal demonstration of axillary cystic hygroma, Hoffman-Tretin J; Koenigsberg M; Ziprkowski M, *J Ultrasound Med* 1988; 7: 233
- antenatal diagnosis of pulmonary tumours: report of two cases, Avni EF; Vandereist A; Van Gansbeke D; et al, *Pediatr Radiol* 1986; 16: 190
- antenatal ultrasound diagnosis of an intracranial neoplasm (craniopharyngioma), Snyder JR; Lustig-Gillman I; Milio L; et al, *JCU* 1986; 14: 304
- chest wall hamartoma in a fetus, Brar MK; Cubberley DA; Baty BJ; et al, *J Ultrasound Med* 1988; 7: 217
- fetal teratomas: antenatal diagnosis and clinical management, Teal LN; Anguaco TL; Jimenez JF; et al, *JCU* 1988; 16: 329
- intraparicardial teratoma: ultrasonic and pathological features, Rasmussen SL; Hwang WS; Harder J; et al, *J Ultrasound Med* 1987; 6: 159
- prenatal adrenal neuroblastoma: case report with review of the literature, Ferraro EM; Fakhry J; Arany JE; et al, *J Ultrasound Med* 1988; 7: 275
- prenatal diagnosis of an intrapericardial teratoma: a cause for nonimmune hydrops, Cyr DR; Guntheroth WG; Nyberg DA; et al, *J Ultrasound Med* 1988; 7: 87
- prenatal diagnosis of multiple cardiac tumors presenting as an arrhythmia, Hoadley SD; Wallace RL; Miller JF; et al, *JCU* 1986; 14: 639
- prenatal diagnosis of sacrococcygeal teratoma: sonographic-pathologic correlation, Sheth S; Nussbaum AR; Sanders RC; Hamper UM; Davidson AJ, *Radiology* 1988; 169: 131
- prenatal sonographic diagnosis of isolated congenital cystic hygroma, unassociated with lymphedema or other morphologic abnormality, Benacerraf BR; Frigoletto FD Jr, *J Ultrasound Med* 1987; 6: 63
- prenatal ultrasonographic diagnosis of fetal adrenal neuroblastoma, Giulian BR; Chang CCN; Yoss BS, *JCU* 1986; 14: 225
- sonographic diagnosis of fetal cardiac rhabdomyoma, Schaffer RM; Cabbad M; Minkoff H; et al, *J Ultrasound Med* 1986; 5: 531
- thoracic neuroblastoma: antenatal demonstration in a case with unusual postnatal radiographic findings, de Filippi G; Canestri G; Bosio U; et al, *Br J Radiol* 1986; 59: 704

Fetus, radiography

- use of a microcomputer for the estimation of x-ray dose received by the fetus, Clarkson DM; Brennen SE, *Br J Radiol* 1987; 60: 1119

Fetus, respiratory system

- antenatal ultrasound diagnosis of cystic adenomatoid malformation of the lung, Fitzgerald EJ; Toi A, J Canad Assoc Radiol 1986; 37: 48
- decreasing size of a congenital cystic adenomatoid malformation in utero, Fine C; Adzick NS; Doubilet PM, J Ultrasound Med 1988; 7: 405
- epiphyseal ossification centers in the assessment of fetal maturity: sonographic correlation with the amniocentesis lung profile, Mahony BS; Bowie JD; Killam AP; Kay HH; Cooper C, Radiology 1986; 159: 521
- fetal hydrops associated with extralobar pulmonary sequestration, Thomas CS; Leopold GR; Hilton S; et al, J Ultrasound Med 1986; 5: 668
- fetal lung to liver reflectivity ratio and lung maturity, Feingold M; Scollins J; Cetrulo CL; et al, JCU 1987; 15: 384
- main-stem bronchial atresia: intrauterine sonographic diagnosis, McAlister WH; Wright JR Jr; Crane JP, AJR 1987; 148: 364
- prenatal diagnosis of a bronchogenic cyst, Albright EB; Crane JP; Shackelford GD, J Ultrasound Med 1988; 7: 91
- prenatal diagnosis of bilateral cystic adenomatoid malformation of the lung, Rempen A; Feige A; Wunsch P, JCU 1987; 15: 3
- prenatal sonographic depiction of intralobar pulmonary sequestration, Maulik D; Robinson L; Daily DK; et al, J Ultrasound Med 1987; 6: 703
- sonographic detection of fetal extrathoracic pulmonary sequestration, Mariona F; McAlpin G; Zador I; et al, J Ultrasound Med 1986; 5: 283
- transitory bilateral isolated fetal pleural effusions, Yaghoobian J; Comrie M, J Ultrasound Med 1988; 7: 231

Fetus, skeletal system

- antenatal diagnosis of fetal acrania, Vergani P; Ghidini A; Sirtori M; et al, J Ultrasound Med 1987; 6: 715
- artifacts seen during CT pelvimetry: implications for digital systems with scanning beams, Brody AS; Saks BJ; Field DR; Skinner SR; Capra RE, Radiology 1986; 160: 269
- dyssegmental dysplasia in siblings: prenatal ultrasonographic diagnosis, Anderson PE Jr; Hauge M; Bang J, Skeletal Radiol 1988; 17: 29
- epiphyseal ossification centers in the assessment of fetal maturity: sonographic correlation with the amniocentesis lung profile, Mahony BS; Bowie JD; Killam AP; Kay HH; Cooper C, Radiology 1986; 159: 521
- fetal lumbar spine: measuring axial growth with US, Birnholz JC, Radiology 1986; 158: 805
- progressive and regressive changes in the nucleus pulposus: part I. the neonate, Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM, Radiology 1988; 169: 87
- sonography of Nager acrofacial dysostosis syndrome in utero, Benson B; Pober BR; Hirsh MP; et al, J Ultrasound Med 1988; 7: 163
- spinal segmentation anomalies: in utero diagnosis by ultrasound, Zalcman M; Avni EF; Balasse H; et al, Br J Radiol 1988; 61: 847
- utility of a screening examination of the fetal extremities during obstetrical sonography, Hegge FN; Prescott GH; Watson PT, J Ultrasound Med 1986; 5: 639

Fetus, US studies

See also Pregnancy, US studies

- abnormal facial features and extremities in human trisomy syndromes: prenatal US appearance, Benacerraf BR; Frigoletto FD Jr; Greene MF, Radiology 1986; 159: 243
- abnormalities of fetal cranial contour in sonographic detection of spina bifida: evaluation of the "lemon" sign, Nyberg DA; Mack LA; Hirsch J; Mahony BS, Radiology 1988; 167: 387
- absorption of fetal intraperitoneal blood after intrauterine transfusion, Hashimoto BE; Filly RA; Callen PW; et al, J Ultrasound Med 1987; 6: 421

- acardiac twin: report of Doppler sonography, Pretorius DH; Leopold GR; Moore TR; et al, J Ultrasound Med 1988; 7: 413
- algorithmic approach to accurate ultrasonic fetal weight estimation, Birnholz JC, Invest Radiol 1986; 21: 571
- anorectal atresia: prenatal sonographic diagnosis, Harris RD; Nyberg DA; Mack LA; et al, AJR 1987; 149: 395
- antenatal detection of esophageal atresia with distal tracheoesophageal fistula, Rahmani MR; Zalev AH, JCU 1986; 14: 143
- antenatal detection of hepatic cyst, Chung W-M, JCU 1986; 14: 217
- antenatal diagnosis of diaphragmatic anomalies, Comstock CH, J Ultrasound Med 1986; 5: 391
- antenatal diagnosis of fetal acrania, Vergani P; Ghidini A; Sirtori M; et al, J Ultrasound Med 1987; 6: 715
- antenatal diagnosis of fetal patent urachus, Persutte WH; Lenke RR; Kropp K; et al, J Ultrasound Med 1988; 7: 399
- antenatal diagnosis of fetal pelvic kidneys, Hill LM; Peterson CS, J Ultrasound Med 1987; 6: 393
- antenatal diagnosis of frontal cephalocele in a fetus with atelosteogenesis, Chervenak FA; Isaacson G; Rosenberg JC; et al, J Ultrasound Med 1986; 5: 111
- antenatal diagnosis of meconium peritonitis with inguinal hernias by ultrasonography: therapeutic implications, Yankes JR; Bowie JD; Effmann EL; et al, J Ultrasound Med 1988; 7: 221
- antenatal diagnosis of pulmonary tumours: report of two cases, Avni EF; Vanderelst A; Van Gansbeke D; et al, Pediatr Radiol 1986; 16: 190
- antenatal fetal blood flow in the descending aorta and in the umbilical vein and their ratio in normal pregnancy, Chen HY; Chang FM; Huang HC; et al, Ultrasound Med Biol 1988; 14: 263
- antenatal recognition of cerebral anomalies, Pili G; Rizzo N; Orsini LF; et al, Ultrasound Med Biol 1986; 12: 319
- antenatal sonographic appearance of Beckwith-Wiedemann syndrome, Koontz WL; Shaw LA; Lavery JP, JCU 1986; 14: 57
- antenatal sonographic appearance of omphaloenteric duct cyst, Rosenberg JC; Chervenak FA; Walker BA; et al, J Ultrasound Med 1986; 5: 719
- antenatal sonographic detection of benign dacryocystoceles (lacrimal duct cysts), Davis WK; Mahony BS; Carroll BA; et al, J Ultrasound Med 1987; 6: 461
- antenatal sonographic diagnosis of adrenal neuroblastoma, Fowlie F; Giacomantonio M; McKenzie E; et al, J Canad Assoc Radiol 1986; 37: 50
- antenatal sonographic diagnosis of cecocolic cephalocele, Bundy AL; Lidov H; Soliman M; et al, J Ultrasound Med 1988; 7: 395
- antenatal sonographic diagnosis of complicated ovarian cysts, Preziosi P; Fariello G; Maiorana A; et al, JCU 1986; 14: 196
- antenatal sonographic diagnosis of congenital clubfoot: possible indication for amniocentesis, Benacerraf BR, JCU 1986; 14: 703
- antenatal sonographic findings in trisomy 18, Bundy AL; Saltzman DH; Pober B; et al, J Ultrasound Med 1986; 5: 361
- antenatal ultrasound diagnosis of an intracranial neoplasm (craniopharyngioma), Snyder JR; Lustig-Gillman I; Milio L; et al, JCU 1986; 14: 304
- antenatal ultrasound diagnosis of cystic adenomatoid malformation of the lung, Fitzgerald EJ; Toi A, J Canad Assoc Radiol 1986; 37: 48
- antenatal ultrasound diagnosis of iniencephaly, Federaro AE; Abu-Yousef MM; Benda JA; et al, JCU 1987; 15: 550
- antenatal ultrasound diagnosis of the femur-fibula-ulna syndrome, Hirose K; Koyanagi T; Hara K; et al, JCU 1988; 16: 199
- antenatal ultrasound diagnosis of variant of pentalogy of Cantrell, Abu-Yousef MM; Wray AB; Williamson RA; et al, J Ultrasound Med 1987; 6: 535
- antenatal ultrasound findings in fetal triploidy syndrome, (ab), Crane JP; Beaver HA; Cheung SW, Radiology 1986; 158: 862

- appropriate use of ultrasound in early pregnancy, Filly RA, Radiology 1988; 166: 274
- asymptomatic cysts of the fetal choroid plexus in the second trimester, Benacerraf BR, J Ultrasound Med 1987; 6: 475
- biparietal diameter and menstrual age in the black population attending Edendale Hospital, Munoz WP; Moore PJ; Mackinnon A; et al, JCU 1986; 14: 681
- biparietal diameter measurements: is there an optimal level for these?, Mok PM; Mitchell JM; Whitlock RML; et al, Australas Radiol 1987; 31: 25
- bowel migration in the normal fetus: US detection, Cyr DR; Mack LA; Schoencker SA; Patten RM; Shepard TH; Shuman WP; Moss AA, Radiology 1986; 161: 119
- "bullet"-shaped head in fetuses with spina bifida: a pointer to the spinal lesion, Chambers SE; Muir BB; Bell JE, JCU 1988; 16: 25
- case report 386, Cremin BJ; Ross JL, Skeletal Radiol 1986; 15: 495
- cerebral blood flow velocity waveforms in hydrocephalic fetuses, Kirkinen P; Muller R; Baumann H; et al, JCU 1988; 16: 493
- circumference measurements in obstetrical ultrasound: ellipse vs. arithmetic mean, Adler RS; Bowerman RA; Rubin JM, JCU 1988; 16: 361
- coming of age of radiologic imaging screening, Hall FM, Radiology 1988; 168: 579
- comparison of fetal biometric ratios to neonatal morphometrics, Hays D; Patterson RM, J Ultrasound Med 1987; 6: 71
- comparison of sector and linear array scanners for the measurements of the fetal femur, (ab), Jeanty P; Beck GJ; Chervenak FA; et al, Radiology 1986; 158: 863
- comparison of two different ultrasound methods for estimating fetal weight in preterm gestations, Campbell WA; Vintzileos AM; Nochimson DJ, JCU 1988; 16: 463
- congenital chloridorrhea: antenatal ultrasonographic appearance, Groli C; Zucca S; Cesaretti A, JCU 1986; 14: 293
- conventional and color Doppler in the assessment of fetal and maternal circulation, Kurjak A; Alfirevic Z; Miljan M, Ultrasound Med Biol 1988; 14: 337
- cortical sulcal development seen on sonography: relationship to gestational parameters, Worthen NJ; Gilbertson V; Lau C, J Ultrasound Med 1986; 5: 153
- current concepts in sonographic diagnosis of fetal renal disease, Rouse GA; Kaminsky CK; Saaty HP; Grube GL; Fritzsche FJ, Radiographics 1988; 8: 119
- Dandy-Walker malformation prenatal sonographic diagnosis and its clinical significance, Nyberg DA; Cyr DR; Mack LA; et al, J Ultrasound Med 1988; 7: 65
- decreasing size of a congenital cystic adenomatoid malformation in utero, Fine C; Adzick NS; Doubilet PM, J Ultrasound Med 1988; 7: 405
- detection of open spina bifida by the lemon sign: pathologic correlation, Gabbe SG; Mintz MC; Mennuti MT; et al, JCU 1988; 16: 399
- development of individual growth curve standards for estimated fetal weight: I. weight estimation procedure, Deter RL; Rossavik IK; Harist RB, JCU 1988; 16: 215
- development of the hypodysplastic kidney: contribution of antenatal US diagnosis, Avni EF; Thoma Y; Van Gansbeke D; Matos C; Didier F; Droulez P; Schulman CC, Radiology 1987; 164: 123
- diagnosis of brain neuropathology in utero, Pretorius DH; Russ PD; Rumack CM; et al, Neuroradiol 1986; 28: 386
- diagnosis of ectopia cordis in the second trimester, Klingensmith WC III; Cioffi-Ragan DT; Harvey DE, JCU 1988; 16: 204
- diagnosis of fetal hydrocephalus prior to 22 weeks, Benacerraf BR; Birnholz JC, JCU 1987; 15: 531
- diagnostic sonography of the fetal genitourinary tract, Cohen HL; Haller JO, Urol Radiol 1987; 9: 88
- diagnostic ultrasound imaging in pregnancy: report of the National Institutes of Health Consensus Development Conference 1984, Manco-Johnson ML, Ultrasound Med Biol 1986; 12: 710

- dilated fetal bowel: sonographic sign of cystic fibrosis, Nyberg DA; Hastrup W; Watts H; et al, *J Ultrasound Med* 1987; 6: 257
- diprosopus: diagnosis in utero, Okazaki JR; Wilson JL; Holmes SM; et al, *AJR* 1987; 149: 147
- Doppler ultrasound in the fetus: a review of current applications, De Vore GR; Brar HS; Platt LD, *JCU* 1987; 15: 687
- Doppler ultrasound of twin transfusion syndrome, Pretorius DH; Manchester D; Barkin S; et al, *J Ultrasound Med* 1988; 7: 117
- Doppler umbilical velocimetry in the prediction of adverse outcome in pregnancies at risk for intrauterine growth retardation, (ab), Berkowitz GS; Melahek KE; Chitkara U; et al, *Radiology* 1988; 169: 290
- Down syndrome: sonographic sign for diagnosis in the second-trimester fetus, Benacerraf BR; Frigoletto FD Jr; Cramer DW, *Radiology* 1987; 163: 811
- dysegmental dysplasia in siblings: prenatal ultrasonic diagnosis, Anderson PE Jr; Hauge M; Bang J, *Skeletal Radiol* 1988; 17: 29
- early diagnosis of nonviable pregnancy with endovaginal US, Levi CS; Lyons EA; Lindsay DJ, *Radiology* 1988; 167: 383
- early prenatal diagnosis of cyclopia associated with holoprosencephaly, Toth Z; Csescsei K; Szeifert G; et al, *JCU* 1986; 14: 550
- early second-trimester sonographic diagnosis of thoracopagus twins, Blum E; Pearlman M; Graham D; et al, *JCU* 1986; 14: 207
- effects of maternal hydration on fetal renal pyelectasis, Allen KS; Arger PH; Mennuti M; Coleman BG; Mintz MC; Fishman M, *Radiology* 1987; 163: 807
- elevated alpha-fetoprotein and a normal fetal sonogram: association with placental abnormalities, Fleischer AC; Kurtz AB; Wapner RJ; et al, *AJR* 1988; 150: 881
- epidemiological study: safety of diagnostic ultrasound during pregnancy on fetus and child development, Mukubo M, *Ultrasound Med Biol* 1986; 12: 691
- epiphyseal ossification centers in the assessment of fetal maturity: sonographic correlation with the amniocentesis lung profile, Mahony BS; Bowie JD; Killam AP; Kay HH; Cooper C, *Radiology* 1986; 159: 521
- erroneous sonographic identification of fetal lateral ventricles: relationship to the echogenic periventricular "blush", Bowerman RA; DiPietro MA, *AJNR* 1987; 8: 661
- evaluation of fetal femur length for prediction of gestational age in a racially mixed obstetric population, Ruvalo KA; Filly RA; Callen PW, *J Ultrasound Med* 1987; 6: 417
- evaluation of fetal thigh circumference measurements: comparative ultrasound and anatomical study, Warda A; Deter RL; Duncan G; et al, *JCU* 1986; 14: 99
- evaluation of fetal weight prediction using a simple equation containing the fetal femur length, Woo JSK; Wan MCW, *J Ultrasound Med* 1986; 5: 453
- exclusion of fetal ventriculomegaly with a single measurement: the width of the lateral ventricular atrium, Cardoza JD; Goldstein RB; Filly RA, *Radiology* 1988; 169: 711
- exploration of the fetal cerebral blood flow by duplex Doppler—linear array system in normal and pathological pregnancies, Arbeille P; Roncin A; Berson M; et al, *Ultrasound Med Biol* 1987; 13: 329
- exposure of the human fetus to diagnostic ultrasound, Thompson HE, *Ultrasound Med Biol* 1986; 12: 709
- facial anatomy of the fetus, Jeanty P; Romero R; Staudach A; et al, *J Ultrasound Med* 1986; 5: 607
- factors affecting prenatal sonographic estimation of weight in extremely low birthweight infants, Townsend RR; Filly RA; Callen PW; et al, *J Ultrasound Med* 1988; 7: 183
- fetal abnormalities diagnosed from early pregnancy, Gowland M, *Clin Radiol* 1988; 39: 106
- fetal abnormalities: diagnosis or treatment with percutaneous umbilical blood sampling under continuous US guidance, Benacerraf BR; Barsa VA; Saltzman DH; Greene MF; Penso CA; Frigoletto FD, *Radiology* 1988; 166: 105
- fetal bowel: normal sonographic findings, Nyberg DA; Mack LA; Fatten RM; et al, *J Ultrasound Med* 1987; 6: 3
- fetal bowel perforation simulating sacrococcygeal teratoma, Lockwood C; Ghidini A; Romero R; et al, *J Ultrasound Med* 1988; 7: 227
- fetal echocardiography: prenatal diagnosis of tricuspid atresia (type Ic) during the second trimester of pregnancy, DeVore GR; Sassi B; Platt LD, *JCU* 1987; 15: 317
- fetal facial abnormalities identified during obstetric sonography, Hegge FN; Prescott GH; Watson PT, *J Ultrasound Med* 1986; 5: 679
- fetal gallstones, Klingensmith WC III; Cioffi-Ragan DT, *Radiology* 1988; 167: 143
- fetal gastric pseudomasses, Fakhry J; Shapiro LR; Schechter A; et al, *J Ultrasound Med* 1987; 6: 177
- fetal head and abdominal circumferences: effect of profile shape on the accuracy of ellipse equations, Shields JR; Medearis AL; Bear MB, *JCU* 1987; 15: 241
- fetal head and abdominal circumferences: ellipse calculations versus planimetry, Shields JR; Medearis AL; Bear MB, *JCU* 1987; 15: 237
- fetal head shape in spina bifida in the second trimester, Furness ME; Barbary JE; Verco PW, *JCU* 1987; 15: 451
- fetal hyaloid artery: timing of regression with US, Birnholz JC; Farrell EE, *Radiology* 1988; 166: 781
- fetal hydrocephalus: diagnosis and significance, Benacerraf BR, *Radiology* 1988; 169: 858
- fetal hydrocephalus: sonographic detection and clinical significance of associated anomalies, Nyberg DA; Mack LA; Hirsch J; Pagon RO; Shepard TH, *Radiology* 1987; 163: 187
- fetal hydrocephaly: diagnosis, prognosis and management, van Egmond-Linden A; Wladimiroff JW; Niermeijer MF; et al, *Ultrasound Med Biol* 1986; 12: 939
- fetal lateral ventricular ratio determination during the second trimester, Pretorius DH; Drose JA; Manco-Johnson ML, *J Ultrasound Med* 1986; 5: 121
- fetal lumbar spine: measuring axial growth with US, Birnholz JC, *Radiology* 1986; 158: 805
- fetal lung to liver reflectivity ratio and lung maturity, Feingold M; Scollins J; Cetrulo CL; et al, *JCU* 1987; 15: 384
- fetal neck hemangioma/teratoma with secondary hydrocephalus: sonographic diagnosis, McGahan JP; Schneider JM, *JCU* 1986; 14: 384
- fetal pseudoascites: further anatomic observations, Hashimoto BE; Filly RA; Callen PW, *J Ultrasound Med* 1986; 5: 151
- fetal renal cystic disease: sonographic-pathologic correlation, Fong KW; Rahmani MR; Rose TH; et al, *AJR* 1986; 146: 767
- fetal response to sound stimulation: preliminary report exploring use of sound stimulation in routine obstetrical ultrasound examinations, Crade M; Lovett S, *J Ultrasound Med* 1988; 7: 499
- fetal rhombencephalon: normal US findings, Cyr DR; Mack LA; Nyberg DA; Shepard TH; Shuman WP, *Radiology* 1988; 166: 691
- fetal small bowel simulating an abdominal mass at sonography, Manco LG; Nunan FA Jr; Sohnen H; et al, *JCU* 1986; 14: 404
- fetal spine, Russ PD; Pretorius DH; Manco-Johnson ML; et al, *Neuroradiol* 1986; 28: 398
- fetal spine morphology and maturation during the second trimester: sonographic evaluation, Filly RA; Simpson GF; Linkowski G, *J Ultrasound Med* 1987; 6: 631
- fetal subarachnoid cisterns: ultrasound study with report of a case of congenital communicating hydrocephalus, Pulu G; De Palma L; Romero R; et al, *J Ultrasound Med* 1986; 5: 365
- fetal teratomas: antenatal diagnosis and clinical management, Teal LN; Anguaco TL; Jimenez JF; et al, *JCU* 1988; 16: 329
- fetal thigh circumference: critical evaluation of its relationship to menstrual age, Deter RL; Warda A; Rossavik IK; et al, *JCU* 1986; 14: 105
- fetal weight estimates in late pregnancy with emphasis on macrosomia, Miller JM Jr; Korndorffer FA III; Gabert HA, *JCU* 1986; 14: 437
- fitting growth curves to head and abdomen measurements of the fetus: multicentric study, Todros T; Ferrazzi E; Grolli C; et al, *JCU* 1987; 15: 95
- fractional spine length: new parameter for assessing fetal growth, Li DFH; Woo JSK, *J Ultrasound Med* 1986; 5: 379
- giant fetal abdominal cyst: ultrasonic diagnosis and management, Jaffe R; Abramowitz J; Feigin M; et al, *J Ultrasound Med* 1987; 6: 45
- gynecologic imaging: comparison of transabdominal and transvaginal sonography, Mendelson EB; Bohm-Velez M; Joseph N; Neiman HL, *Radiology* 1988; 166: 321
- holoprosencephaly: prenatal sonographic diagnosis, Nyberg DA; Mack LA; Bronstein A; et al, *AJNR* 1987; 8: 871
- human epidemiological studies, Lyons EA, *Ultrasound Med Biol* 1986; 12: 689
- hydrothorax, ascites, and right diaphragmatic hernia, Gilsanz V; Emone D; Hansmann M; Meradji M; Donaldson JS; Omenaca F; Quero J; Tucker BL, *Radiology* 1986; 158: 243
- hypoplastic left heart with absence of the aortic valve: prenatal diagnosis using two-dimensional and pulsed Doppler echocardiography, Cartier MS; Emerson D; Plappert T; et al, *JCU* 1987; 15: 463
- impact of fetal echocardiography on perinatal outcome, Copel JA; Kleinman CS, *Ultrasound Med Biol* 1986; 12: 327
- improved prediction of intrauterine growth retardation with use of multiple parameters, Benson CB; Boswell SB; Brown DL; Saltzman DH; Doubilet PM, *Radiology* 1988; 168: 7
- increased echogenicity in the lower fetal abdomen: common normal variant in the second trimester, Fakhry J; Reiser M; Shapiro LR; et al, *J Ultrasound Med* 1986; 5: 489
- influence of fetal growth patterns on sonographic estimation of fetal weight, Simon NV; Levitsky JS; Shearer DM; et al, *JCU* 1987; 15: 376
- intracardiac tumor (rhabdomyoma) diagnosed by in utero ultrasound: case report, Stanford W; Abu-Yousef M; Smith W, *JCU* 1987; 15: 337
- intrapartum fetal weight estimation: comparison of three formulae, Yarkoni S; Reece EA; Wan M; et al, *J Ultrasound Med* 1986; 5: 707
- intrapartum teratoma: ultrasonic and pathological features, Rasmussen SL; Hwang WS; Harder J; et al, *J Ultrasound Med* 1987; 6: 159
- intrauterine growth retardation: predictive value of US criteria for antenatal diagnosis, Benson CB; Doubilet PM; Saltzman DH, *Radiology* 1986; 160: 415
- in utero analysis of heterozygous achondroplasia: variable time of onset as detected by femur length measurements, Kurtz AB; Filly RA; Wapner RJ; et al, *J Ultrasound Med* 1986; 5: 137
- in-utero diagnosis of the caudal regression syndrome: report of three cases, Loewy JA; Richards DG; Toi A, *JCU* 1986; 14: 469
- in utero exposure to diagnostic ultrasound: a 6-year follow-up, Lyons EA; Dyke C; Toms M; Cheang M, *Radiology* 1988; 166: 687
- in utero sonographic demonstration of a caput succedaneum, Schwimer SR; Lebovic J, *J Ultrasound Med* 1986; 5: 711
- in utero sonographic findings in fetal renal vein thrombosis with calcifications, Patel RB; Connors JJ, *J Ultrasound Med* 1988; 7: 349
- in utero thickening of the chordae tendinae: a cause of intracardiac echogenic foci, Schechter AG; Fakhry J; Shapiro LR; et al, *J Ultrasound Med* 1987; 6: 691

- in utero ultrasonic detection of fetal arachnoid cyst, Meizner I; Barki Y; Tadmor R; et al, JCU 1988; 16: 506
- Kleeblattschadel anomaly: in utero sonographic appearance, Stamm ER; Pretorius DH; Rumack CM; et al, J Ultrasound Med 1987; 6: 319
- Klippel-Trenaunay syndrome: ultrasonic prenatal diagnosis, Shalev E; Romano S; Nseir T; et al, JCU 1988; 16: 268
- lack of discernible effect of diagnostic ultrasound on the chromosomes of cord blood lymphocytes exposed *in utero*, Henderson LM; Aghamohammadi SZ; Arlett CF; et al, Br J Radiol 1986; 59: 499
- left ventricular echogenic focus: a normal finding, Levy DW; Mintz MC, AJR 1988; 150: 85
- "lemon" sign: a clinical perspective, Filly RA, Radiology 1988; 167: 573
- limb-body wall complex: in utero sonographic diagnosis of a complicated fetal malformation, Patten RM; Van Allen M; Mack LA; et al, AJR 1986; 146: 1019
- lobar holoprosencephaly with hydrocephalus: antenatal demonstration and differential diagnosis, Hoffman-Tretin JC; Horoupian DS; Koenigsberg M; et al, J Ultrasound Med 1986; 5: 691
- longitudinal studies of femur growth in normal fetuses, Deter RL; Rossavik IK; Hill RM; et al, JCU 1987; 15: 299
- longitudinal studies of thigh circumference growth in normal fetuses, Deter RL; Rossavik IK; Cortisoz C; et al, JCU 1987; 15: 388
- main-stem bronchial atresia: intrauterine sonographic diagnosis, McAlister WH; Wright JR Jr; Crane JP, AJR 1987; 148: 364
- mathematical modeling of fetal growth. III. evaluation of head growth using the head profile area, Rossavik IK; Deter RL; Hadlock FP, JCU 1987; 15: 23
- mathematical modeling of fetal growth. IV. evaluation of trunk growth using the abdominal profile area, Rossavik IK; Deter RL; Hadlock FP, JCU 1987; 15: 31
- meconium peritonitis masquerading as fetal hydrops, Dillard JP; Edwards DK; Leopold GR, J Ultrasound Med 1987; 6: 49
- meconium peritonitis: prenatal sonographic findings and their clinical significance, Foster MA; Nyberg DA; Mahony BS; Mack LA; Marks WM; Raabe RD, Radiology 1987; 165: 661
- membrane thickness in ultrasound prediction of chorionicity of twin gestations, Townsend RK; Simpson GF; Filly RA, J Ultrasound Med 1988; 7: 327
- midtrimester screening for open neural tube defects: correlation of sonography with amniocentesis results, Lindfors KK; McGahan JP; Tennant FP; et al, AJR 1987; 149: 141
- mild idiopathic lateral cerebral ventricular dilatation in utero: sonographic evaluation, Mahony BS; Nyberg DA; Hirsch JH; Petty CN; Hendricks SK; Mack LA, Radiology 1988; 169: 715
- multicystic dysplastic kidney and contralateral renal aplasia in a twin: diagnosis by prenatal sonography, Campbell AF, AJR 1988; 151: 145
- multicystic dysplastic kidney in utero: changing appearance on US, Hashimoto BE; Filly RA; Callen PW, Radiology 1986; 159: 107
- multicystic dysplastic kidney: observations of contralateral disease in the fetal population, Kleiner B; Filly RA; Mack LA; Callen PW, Radiology 1986; 161: 27
- neonatal hydronephrosis in the era of sonography, Brown T; Mandell J; Lebowitz RL, AJR 1987; 148: 959
- neonatal ovarian cysts: sonographic-pathologic correlation, Nussbaum AR; Sanders RC; Hartman DS; Dudgeon DL; Parmley TH, Radiology 1988; 168: 817
- nomograms for ultrasound visualization of fetal organs, Zador IE; Bottoms SF; Tse GM; et al, J Ultrasound Med 1988; 7: 197
- normal diameter of the fetal aorta and pulmonary artery: echocardiographic evaluation in utero, Cartier MS; Davidoff A; Warneke LA; et al, AJR 1987; 149: 1003
- normal fetal heart axis and position, (ab), Comstock CH, Radiology 1988; 166: 296
- oligohydramnios associated with bilateral multicystic dysplastic kidneys: prenatal diagnosis at 15 weeks' gestation, Stiller RJ; Pinto M; Heller C; et al, JCU 1988; 16: 436
- Pena-Shokeir syndrome: prenatal diagnosis by ultrasonography, Cardwell MS, J Ultrasound Med 1987; 6: 619
- pitfalls in femur length measurements, Goldstein RB; Filly RA; Simpson G, J Ultrasound Med 1987; 6: 203
- placental changes in fetal triploidy syndrome, Rubenstein JB; Swayne LC; Dize CA; et al, J Ultrasound Med 1986; 5: 545
- posterior urethral obstruction: prenatal sonographic findings and clinical outcome in fourteen cases, Hayden SA; Russ PD; Pretorius DH; et al, J Ultrasound Med 1988; 7: 371
- predictiveness of sonographic fetal weight estimation as a function of prior probability of intrauterine growth retardation, Simon NV; Levitsky JS; Shearer DM; et al, JCU 1988; 16: 285
- prenatal and immediate postnatal ultrasonographic diagnosis of ureterocele, Fitzsimons PJ; Frost RA; Millward SF; et al, J Canad Assoc Radiol 1986; 37: 189
- prenatal detection of left atrial isomerism by ultrasound, de Araujo LML; Silverman NH; Filly RA; et al, J Ultrasound Med 1987; 6: 667
- prenatal diagnosis of a bronchogenic cyst, Albright EB; Crane JP; Shackelford GD, J Ultrasound Med 1988; 7: 91
- prenatal diagnosis of agenesis of the corpus callosum, Bertino RE; Nyberg DA; Cyr DR; et al, J Ultrasound Med 1988; 7: 251
- prenatal diagnosis of an intrapericardial teratoma: a cause for nonimmune hydrops, Cyr DR; Guntheroth WC; Nyberg DA; et al, J Ultrasound Med 1988; 7: 87
- prenatal diagnosis of bilateral cystic adenomatoid malformation of the lung, Rempen A; Feige A; Wunsch P, JCU 1987; 15: 3
- prenatal diagnosis of cardiovascular malformations in the fetus with situs inversus viscerum during the second trimester of pregnancy, DeVore GR; Sarti DA; Siassi B; et al, JCU 1986; 14: 454
- prenatal diagnosis of cystic CNS lesions in neonatal isolumine thrombocytopenia, Lester RB III; Sty JR, J Ultrasound Med 1987; 6: 479
- prenatal diagnosis of dwarfism by ultrasound screening, (ab), Weldner B-M; Persson P-H; Ivarsson SA, Radiology 1986; 160: 288
- prenatal diagnosis of fetal anomalies using ultrasound and MRI, Hill MC; Lande IM; Larsen JW Jr, Radiol Clin North Am 1988; 26: 287
- prenatal diagnosis of neural tube defects: origin of midtrimester vertebral ossification centers as determined by sonographic water-bath studies, Gray DL; Crane JP; Rudloff MA, J Ultrasound Med 1988; 7: 421
- prenatal diagnosis of reversible cardiac hypoplasia associated with congenital diaphragmatic hernia: implications for postnatal management, Crawford DC; Drake DP; Kwiatkowski D; et al, JCU 1986; 14: 718
- prenatal diagnosis of sacrococcygeal teratoma: sonographic-pathologic correlation, Sheth S; Nussbaum AR; Sanders RC; Hamper UM; Davidson AJ, Radiology 1988; 169: 131
- prenatal rupture of omphalocele, Hansen LK; Pedersen SA; Kristoffersen K, JCU 1987; 15: 191
- prenatal sonographic appearance of diaphragm, Strauss S; Tamarkin M; Engelberg S; et al, J Ultrasound Med 1987; 6: 93
- prenatal sonographic depiction of intralobar pulmonary sequestration, Maulik D; Robinson L; Daily DK; et al, J Ultrasound Med 1987; 6: 703
- prenatal sonographic diagnosis of a fetal facial hemangioma, Pennell RG; Baltarowich OH, J Ultrasound Med 1986; 5: 525
- prenatal sonographic diagnosis of agenesis of corpus callosum, Meizner I; Barki Y; Hertzanu Y, JCU 1987; 15: 262
- prenatal sonographic diagnosis of atrial hemangioma, Leithner RE Jr; Fyfe D; Weatherby E III; et al, AJR 1986; 147: 1207
- prenatal sonographic diagnosis of isolated congenital cystic hygroma, unassociated with lymphedema or other morphologic abnormality, Benacerraf BR; Frigoletto FD Jr, J Ultrasound Med 1987; 6: 63
- prenatal sonographic diagnosis of suprasellar arachnoid cyst, Diakoumakis EE; Weinberg B; Mollin J, J Ultrasound Med 1986; 5: 529
- prenatal sonographic visualization of the inner ear, Isaacson G; Mintz MC, J Ultrasound Med 1986; 5: 409
- prenatal ultrasonic diagnosis of a rare case of iniencephaly apertus, Meizner I; Bar-Ziv J, JCU 1987; 15: 200
- prenatal ultrasonic diagnosis of congenital duplication of the stomach, Bidwell JK; Nelson A, J Ultrasound Med 1986; 5: 589
- prenatal ultrasonographic diagnosis of cardiomegaly due to tricuspid incompetence, Brown J; Gunn TR; Mora JD; et al, Pediatr Radiol 1986; 16: 440
- prenatal ultrasonographic diagnosis of fetal adrenal neuroblastoma, Giulian BB; Chang CCN; Yoss BS, JCU 1986; 14: 225
- prenatal ultrasound diagnosis of a forearm constriction band, Hill LM; Kislak S; Jones N, J Ultrasound Med 1988; 7: 293
- prenatal ultrasound diagnosis of thoracopagus conjoined twins, Kalchauer M; Weiner S; Templeton J; et al, JCU 1987; 15: 59
- prominent fetal breasts: a normal variant, Bezzi M; Mitchell DG; Kurtz AB; et al, J Ultrasound Med 1987; 6: 655
- pseudopidural reverberation artifact: common ultrasound artifact in fetal cranium, Stanley JH; Harrell B; Horger EO III, JCU 1986; 14: 251
- pseudomphalocele: pitfall in fetal sonography, Salzman L; Kuligowska E; Semine A, AJR 1986; 146: 1283
- reverse flow in the human fetal descending aorta as a sign of severe fetal asphyxia preceding intrauterine death, Ilyes M; Gati I, JCU 1988; 16: 403
- role of ultrasound in obstetric management, Goldkrand JW; Benjamin DS; Cantor DM, JCU 1986; 14: 589
- schizencephaly: diagnosis and progression in utero, Klingensmith WC III; Cioffi, Ragan DT, Radiology 1986; 159: 617
- second-trimester polyhydramnios: evaluation with US, Sivitz CJ; Hill MC; Larsen JW; Lande IM, Radiology 1987; 165: 467
- significance of an absent or reversed end diastolic flow in Doppler umbilical artery waveforms, Woo JSK; Liang ST; Lo RL, J Ultrasound Med 1987; 6: 291
- significance of ultrasound measurements of the head of the breech fetus, Bader B; Graham D; Stinson S, J Ultrasound Med 1987; 6: 437
- sonographic analysis of the fetus with ureteropelvic junction obstruction, Kleiner B; Callen PW; Filly RA, AJR 1987; 148: 359
- sonographic appearance of blood in the fetal stomach and its association with placental abruption, Walker JM; Ferguson DD, J Ultrasound Med 1988; 7: 155
- sonographic detection of fetal intraperitoneal fluid, Hashimoto BE; Filly RA; Callen PW, J Ultrasound Med 1986; 5: 203
- sonographic detection of monoamniotic twins, Blane CE; DiPietro MA; Johnson MZ; et al, JCU 1987; 15: 394
- sonographic detection of smoking-related decreased fetal growth, Jeanty P; Cousart E; de Maetelaer V; et al, J Ultrasound Med 1987; 6: 13
- sonographic diagnosis of clubfoot in utero, Hashimoto BE; Filly RA; Callen PW, J Ultrasound Med 1986; 5: 81
- sonographic diagnosis of fetal cardiac rhabdomyoma, Schaffer RM; Cabbad M; Minkoff H; et al, J Ultrasound Med 1986; 5: 531

- sonographic diagnosis of lethal osteogenesis imperfecta in the second trimester: case report and review, Merz E; Goldhofer W, JCU 1986; 14: 380
- sonographic diagnosis of lipoma of the corpus callosum, Christensen RA; Pinckney LE; Higgins S; et al, J Ultrasound Med 1987; 6: 449
- sonographic diagnosis of meconium ileus in utero, Goldstein RB; Filly RA; Callen PW, J Ultrasound Med 1987; 6: 663
- sonographic diagnosis of omphalocele in the first trimester of fetal gestation, Curtis JA; Watson L, J Ultrasound Med 1988; 7: 97
- sonographic evaluation of fetal anomalies in oligohydramnios between 16 and 30 weeks gestation, Sivit CJ; Hill MC; Larsen JW; et al, AJR 1986; 146: 1277
- sonographic features and implications of fetal pleural effusions, Adams H; Jones A; Hayward C, Clin Radiol 1988; 39: 398
- sonographic features associated with cleft palate, Bundy AL; Saltzman DH; Emerson D; et al, JCU 1986; 14: 486
- sonographic sign which predicts which fetuses with hydrocephalus have an associated neural tube defect, Penso C; Redline RW; Benacerraf BR, J Ultrasound Med 1987; 6: 307
- sonographic study of fetal cystic hygromas, (ab), Chervenak FA; Isaacson G; Tortora M, Radiology 1986; 159: 576
- sonography at the time of genetic amniocentesis to screen for fetal malformations, (ab), Hegge FN; Prescott GH; Watson PT, Radiology 1988; 168: 588
- sonography of Nager acrofacial dysostosis syndrome in utero, Benson B; Fober BR; Hirsh MP; et al, J Ultrasound Med 1988; 7: 163
- specific skeletal dysplasias in utero: sonographic diagnosis, Pretorius DH; Rumack CM; Manco-Johnson ML; Manchester D; Meier P; Bramble J; Clewell W, Radiology 1986; 159: 237
- spontaneous resolution of gallstones in infants: role of hypocaloric oral feeding, Math MV, Radiology 1988; 169: 283
- susceptibility of the human fetus to physical damage, Bang J, Ultrasound Med Biol 1986; 12: 683
- systematic approach to fetal echocardiography using real-time/two-dimensional sonography, Cyr DR; Guntheroth WC; Mack LA; et al, J Ultrasound Med 1986; 5: 343
- thermal and heart rate response to ultrasonic exposure in the second and third trimester dog fetus, Gross DR; Williams AR; Wagner-Mann C; et al, J Ultrasound Med 1986; 5: 507
- third-trimester fetal sonography: meconium simulating a presacral mass, Moreland SI III; Cohen MI; Leopold GR; et al, AJR 1988; 150: 379
- thoracic neuroblastoma: antenatal demonstration in a case with unusual postnatal radiographic findings, de Filippi G; Canestri G; Bosio U; et al, Br J Radiol 1986; 59: 704
- three lines: origin of sonographic landmarks in the fetal head, Hertzberg BS; Bowie JD; Burger PC; et al, AJR 1987; 149: 1009
- tolerance intervals for standards in ultrasound measurements: determination of BPD standards, Wexler S; Fuchs C; Golan A; et al, JCU 1986; 14: 243
- tracheoesophageal fistula in utero: twenty-two cases, Pretorius DH; Drose JA; Dennis MA; et al, J Ultrasound Med 1987; 6: 509
- transvaginal and transabdominal sonography: prospective comparison, Coleman BG; Arger PH; Grumbach K; Menard MK; Mintz MC; Allen KS; Areson RL; Lamon KA, Radiology 1988; 168: 639
- twin and singleton growth patterns compared using US, Grumbach K; Coleman BG; Arger PH; Mintz MC; Gabbe SV; Mennuti MT, Radiology 1986; 158: 237
- twin gestations: monitoring of complications and anomalies with US, Coleman BG; Grumbach K; Arger PH; Mintz MC; Areson RL; Mennuti M; Gabbe SG, Radiology 1987; 165: 449
- ultrasonic assessment of fetal response to second-trimester amniocentesis, (ab), Gianopoulos J; Elias SS; Simpson JL; et al, Radiology 1986; 160: 575
- ultrasonic detection of Apert syndrome, Hill LM; Thomas ML; Peterson CS, J Ultrasound Med 1987; 6: 601
- ultrasonic measurement of fetal blood velocity wave form as a secondary diagnostic test in screening for intrauterine growth retardation, Maršál K; Persson P-H, JCU 1988; 16: 239
- ultrasonic mensuration of fetal limb bones in the second and third trimesters, Merz E; Kim-Kern M-S; Pehl S, JCU 1987; 15: 175
- ultrasonographic and pathologic study of mucoid degeneration of umbilical cord, Iaccarino M; Baldi F; Persico O; et al, JCU 1986; 14: 127
- ultrasonographic features of nonimmune hydrops fetalis: study of 30 successive patients, Brown BSJ, J Canad Assoc Radiol 1986; 37: 164
- ultrasonographic measurements of the fetal neck correlated with gestational age, Hata K; Hata T; Takamiya O; et al, J Ultrasound Med 1988; 7: 333
- ultrasonography of the normal fetal brain, Pasto ME; Kurtz AB, Neuroradiol 1986; 28: 380
- ultrasound case of the day, annual meeting, 1985, Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggard AH; Maywood CM, Radiographics 1986; 6: 1096
- ultrasound evaluation of the distal femoral epiphyseal ossification center as a screening test for intrauterine growth retardation, (ab), Zilianti M; Fernandez S; Azuaga A; et al, Radiology 1988; 166: 586
- ultrasound measurement of the fetal cerebral ventricles: prospective, consecutive study, Jorgensen C; Ingemarsson I; Svalenius E; et al, JCU 1986; 14: 185
- ultrasound monitoring of fetal behaviour, Tuck SM, Ultrasound Med Biol 1986; 12: 307
- ultrasound screening for spina bifida: cranial and cerebellar signs in a high-risk population, (ab), Campbell J; Gilbert WM; Nicolaides KH; et al, Radiology 1988; 166: 295
- underestimation of gestational age by conventional crown-rump length dating curves, (ab), MacGregor SN; Tamura RK; Sabbagha RE; et al, Radiology 1988; 166: 586
- unsuspected fetal abnormality, Zagoria RJ; Machen BC; King GT; et al, Invest Radiol 1986; 21: 282
- ureteropelvic junction stenosis: antenatal ultrasonographic diagnosis, postnatal investigation, and follow-up, Grignon A; Filiatru D; Homys Y; Robitaille P; Filion R; Boutin H; Leblond R, Radiology 1986; 160: 649
- urinary tract dilatation in utero: classification and clinical applications, Grignon A; Filion R; Filiatru D; Robitaille P; Homys Y; Boutin H; Leblond R, Radiology 1986; 160: 645
- use of furosemide in pregnancies complicated by oligohydramnios, Raghavendra BN; Young BK; Greco MA; Lustig-Gillman I; Horii SC; Hirsch MA; Yee J, Radiology 1987; 165: 455
- utility of a screening examination of the fetal extremities during obstetrical sonography, Hegge FN; Prescott GH; Watson PT, J Ultrasound Med 1986; 5: 639
- varied sonographic appearance of cystic hygromas in utero, Rahmani MR; Fong KW; Connor TP, J Ultrasound Med 1986; 5: 165
- verru in amniotic fluid: sonographic detection, Hill LM; Breckle R, Radiology 1986; 158: 80
- yoik sac calcification: a sonographic finding associated with intrauterine embryonic demise in the first trimester, Harris RD; Vincent LM; Askin FB, Radiology 1988; 166: 109
- Fever**
- diagnostic significance of indium-111 granulocyte scintigraphy in febrile patients, Syrjala MT; Valtonen V; Liewendahl K; et al, J Nucl Med 1987; 28: 155
- gastrointestinal tract radionuclide activity on In-111 labeled leukocyte imaging: clinical significance in patients with fever of unknown origin, Datz FL; Thorne DA, Radiology 1986; 160: 635
- new concepts on the pathogenesis of fever, (ab), Dinarello CA; Cannon JG; Wolff SM, Radiology 1988; 169: 888
- Fibrinogen**
- See Blood, fibrinogen
- Fibrinolysis**
- angiographic and radiologic comments on thrombolytic therapy in acute myocardial infarction, Paulin S, Cardiovasc Intervent Radiol 1986; 9: 258
- arterial occlusions in neonates: use of fibrinolytic therapy, Strife JL; Ball WS Jr; Towbin RB; Keller MS; Dillon T, Radiology 1988; 166: 395
- embolization of cardiac mural thrombus: complication of intraarterial fibrinolysis, Paulson EK; Miller FJ, Radiology 1988; 168: 95
- fibrinolyse in situ des troncs supra-aortiques: etude preliminaire (in situ fibrinolysis in supra-aortic main vessels: a preliminary study), Courtheoux P; Theron J; Derlon JM; et al, J Neuroradiol 1986; 13: 111
- fibrinolysis with intrathrombotic injection of urokinase and tissue-type plasminogen activator: results in a new model of subacute venous thrombosis, Valji K; Bookstein JJ, Invest Radiol 1987; 22: 23
- fibrinolytic therapy, Klatte EC; Becker GJ; Holden KE; Yune HY, Radiology 1986; 159: 619
- fibrinolytic therapy for deep vein thrombosis and pulmonary embolism, Graor R, Cardiovasc Intervent Radiol 1988; 11: 533
- forceful pulsatile local infusion of enzyme accelerates thrombolysis: in vivo evaluation of a new delivery system, Kandarpa K; Drinker PA; Singer SJ; Caramore D, Radiology 1988; 168: 739
- fundamentals of fibrinolytic therapy, Sasahara AA, Cardiovasc Intervent Radiol 1988; 11: 53
- intraarterial fibrinolysis: in vitro and prospective clinical evaluation of three thrombolytic agents, Pilger E; Lammer J; Bertsch H; Steiner H, Radiology 1986; 161: 597
- intraarterial fibrinolysis: long-term results, Lammer J; Pilger E; Neumayer K; Schreyer H, Radiology 1986; 161: 159
- intraarterial fibrinolytic therapy for popliteal and tibial artery obstruction: comparison of streptokinase and urokinase, Traugott PD; Cook PS; Micklos TJ; et al, AJR 1987; 149: 453
- intracoronary thrombolysis: organizational prerequisites, technique, and results, Rutsch W; Schmutzler H, Cardiovasc Intervent Radiol 1986; 9: 245
- methodology and results of intravenous thrombolysis in acute myocardial infarction, Neuhaus K-L, Cardiovasc Intervent Radiol 1986; 9: 253
- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Mietaschck A; Bruckl R, Radiology 1987; 163: 753
- pulmonary vascular obstruction in severe ARDS: angiographic alterations after IV fibrinolytic therapy, Greene R; Lind S; Jantsch H; et al, AJR 1987; 148: 501
- recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts, Risius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR; Grossbard EB, Radiology 1986; 160: 183
- streptokinase, urokinase, and tissue plasminogen activator: pharmacokinetics, relative advantages, and methods for maximizing rates and consistency of lysis, Maizel AS; Bookstein JJ, Cardiovasc Intervent Radiol 1986; 9: 236
- superior vena cava syndrome associated with massive thrombosis: treatment with expandable wire stents, Putnam JS; Uchida BT; Antonovic R; Rösch J, Radiology 1988; 167: 727
- transcatheter intracavitary fibrinolysis of infected extravascular hematomas, Vogelzang RL; Tobin RS; Burstein S; et al, AJR 1987; 148: 378
- urokinase in gastrointestinal tract bleeding, Glickerman DJ; Kowdley KV; Rosch J, Radiology 1988; 168: 375
- value of myocardial defect size measured by thallium-201 SPECT: results of a multicenter trial comparing heparin and a new fibrinolytic agent, Maublant JC; Peycelon P; Cardot JC; et al, J Nucl Med 1988; 29: 1486

Fibrolipoma

Fibrolipoma

See Lipoma and lipomatosis

Fibroma

See also under names of organs and regions, such as Bones, fibroma

case report: infiltrative fibromatosis: rare cause of fatal haemorrhage, Ashby MA; Harmer CL; McKenna JA; et al, *Clin Radiol* 1986; 37: 193

elastofibroma: chest wall pseudotumor, Berthoty DP; Shulman HS; Miller HAB, *Radiology* 1986; 160: 341

fibromatosis: CT-pathologic correlation, Francis IR; Dorovini-Zis K; Glazer GM; et al, *AJR* 1986; 147: 1063

sonography of ovarian fibromas/thecomas, Athey PA; Malone RS, *J Ultrasound Med* 1987; 6: 431

Fibromyxoma

See Myxoma

Fibrosarcoma

See Sarcoma

Fibrosis, cystic

association of cystic fibrosis, gastroesophageal reflux, and reduced pulmonary function, Stringer DA; Sprigg A; Juodis E; et al, *J Canad Assoc Radiol* 1988; 39: 100

cerebro-costo-mandibular syndrome with stippled epiphysis and cystic fibrosis, Burton EM; Oestreich AE, *Pediatr Radiol* 1988; 18: 365

chest radiographic findings in the adult with cystic fibrosis, Friedman PJ, *Semin Roentgenol* 1987; 22: 114

cystic fibrosis: comparison of computed tomography and plain chest radiographs, Jacobsen LE; Houston CS; Habbick BF; et al, *J Canad Assoc Radiol* 1986; 37: 17

cystic fibrosis in adolescents and adults, (ab), Penketh ARL; Wise A; Mearns MB; et al, *Radiology* 1988; 167: 291

cystic fibrosis in childhood: pulmonary, paranasal sinus, and skeletal manifestations, Amodio JB; Berdon WE; Abramson SJ; et al, *Semin Roentgenol* 1987; 22: 125

cystic fibrosis: overview, Fernald GW; Boat TF, *Semin Roentgenol* 1987; 22: 87

dilated fetal bowel: sonographic sign of cystic fibrosis, Nyberg DA; Hastrup W; Watts H; et al, *J Ultrasound Med* 1987; 6: 257

false-positive hepatobiliary scan in a patient with cystic fibrosis, Lane JJ; Sacks D; Winn RS; et al, *Clin Nucl Med* 1988; 13: 331

gastrointestinal manifestations of cystic fibrosis, Abramson SJ; Baker DH; Amodio JB; et al, *Semin Roentgenol* 1987; 22: 97

inspissated bile in a neonate with cystic fibrosis, Davies CH; Daneman A; Stringer DA, *J Ultrasound Med* 1986; 5: 335

long-term histopathologic follow-up of bronchial arteries after therapeutic embolization with polyvinyl alcohol (Ivalon) in patients with cystic fibrosis, (ab), Tomashefski JF Jr; Cohen AM; Doernhuk CF, *Radiology* 1988; 169: 287

magnetic resonance imaging in young adults with cystic fibrosis, (ab), Fiel SB; Friedman AC; Caroline DF; et al, *Radiology* 1987; 164: 882

meconium peritonitis: prenatal sonographic findings and their clinical significance, Foster MA; Nyberg DA; Mahony BS; Mack LA; Marks WM; Raabe RD, *Radiology* 1987; 165: 661

neonatal small left colon in an infant with cystic fibrosis, Ellerbroek C; Smith WL, *Pediatr Radiol* 1986; 16: 162

pancreatic cystosis in cystic fibrosis, Hernanz-Schulman M; Teele RL; Perez-Atayde A; Zollars L; Levine J; Black P; Kuligowska E, *Radiology* 1986; 158: 629

pancreatic cysts and calcification in cystic fibrosis, Liu P; Daneman A; Stringer DA; et al, *J Canad Assoc Radiol* 1986; 37: 279

pneumatosis intestinalis in cystic fibrosis, Hernanz-Schulman M; Kirkpatrick J Jr; Shwachman H; Herman T; Schulman G; Vawter GF, *Radiology* 1986; 160: 497

radiologic and pathologic abnormalities of the trachea in older patients with cystic fibrosis, Griscom NT; Vawter GF; Stigol LC, *AJR* 1987; 148: 691

ultrasound findings in children with cystic fibrosis, McHugo JM; McKeown C; Brown MT; et al, *Br J Radiol* 1987; 60: 137

ultrasound findings of chronic intussusception in a patient with cystic fibrosis, Mulvihill DM, *J Ultrasound Med* 1988; 7: 353

Fibula
case report 470, Schneider HJ; Weinstein AS, *Skeletal Radiol* 1988; 17: 148

popliteal vein compression by a fibular osteochondroma: case report, Kraus RA; Macke JC; Crawford AH; et al, *Pediatr Radiol* 1986; 16: 173

Fibula, abnormalities
case report 389, Sharma P; Daffner RH, *Skeletal Radiol* 1986; 15: 505

tibial and fibular angles in homozygous sickle cell disease, Akamaguna AI; Odita JC; Ugboaga CI; et al, *Eur J Radiol* 1986; 6: 97

Films and screens

See Screens and films

Filters

chest radiography with a shaped filter at 140 kVp: its diagnostic accuracy compared with that of standard radiographs, Guilbeau JC; Mazoyer BM; Pruvost P; et al, *AJR* 1988; 150: 1007

compensation filtration in paediatric double contrast barium enema examinations, Sprigg A; Gough LM; Stringer DA; et al, *Clin Radiol* 1986; 37: 599

CT evaluation of Kimray-Greenfield filter complications, Miller CL; Wechsler RJ, *AJR* 1986; 147: 45

determination of the optimum filter function for SPECT imaging, Gilland DR; Tsui BMW; McCartney WH; et al, *J Nucl Med* 1988; 29: 643

dosimetry considerations for a Lipowitz metal tissue compensator system, Henderson SD; Purdy JA; Gerber RL; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1107

filters for radiation reduction: a comparison, Kohn ML; Gooch AW Jr; Keller WS, *Radiology* 1988; 167: 255

Greenfield filter: percutaneous placement in 50 patients, Denny DF Jr; Dorfman GS; Cronan JJ; et al, *AJR* 1988; 150: 427

inferior vena cava filters: in vitro comparison of clot trapping and flow dynamics, Katsamours AA; Waltman AC; Delichatsios MA; Athanasoulis CA, *Radiology* 1988; 166: 361

inferior vena caval stent filter, Wallace MJ; Ogawa K; Wright KC; et al, *AJR* 1986; 147: 1247

low-artifact intravascular devices: MR imaging evaluation, Teitelbaum GP; Ortega HV; Vinitski S; Stern H; Tsuruda JS; Mitchell DG; Rifkin MD; Bradley WG Jr, *Radiology* 1988; 168: 713

misplacement of a vena cava filter in the retroperitoneum, Darcy MD; Smith TP; Hunter DW; et al, *Cardiovasc Intervent Radiol* 1987; 10: 37

MR imaging artifacts, ferromagnetism, and magnetic torque of intravascular filters, stents, and coils, Teitelbaum GP; Bradley WG Jr; Klein BD, *Radiology* 1988; 166: 657

ultra-low-dose routine pediatric radiography utilizing a rare-earth filter, Wesenberg RL; Amundson GM; Mueller DL; et al, *J Canad Assoc Radiol* 1987; 38: 158

ultrasound attenuation estimation using the LMSE filters and the median filter, Jang HS; Lee MH; Park SB, *Ultrasound Med Biol* 1988; 14: 51

Filters, digital

noise reduction in ultrasonic images by digital filtering, Loupas T; McDicken WN; Allan PL, *Br J Radiol* 1987; 60: 389

Fingers and toes

See also Foot; Hand
case report 364, El-Khoury GY; Foucar E; Blair WF; et al, *Skeletal Radiol* 1986; 15: 313

ivory and dense epiphyses of the hand: Thiemann disease in three sisters, van der Laan JG; Thijn CJP, *Skeletal Radiol* 1986; 15: 117

large phalangeal exostosis in multiple cartilaginous exostoses (diaphyseal acasia)—a case report, Kapoor R; Saha MM, *Australas Radiol* 1987; 31: 212

obliterative angiopathy of the digital arteries of the finger in the vibration syndrome, (ab), Leyhe A, *Radiology* 1986; 159: 822

Fingers and toes, abnormalities

idiopathic osteonecrosis of the first metatarsal sesamoid, Ogata K; Sugiki A; Y; Urano Y; et al, *Skeletal Radiol* 1986; 15: 141

ivory and dense epiphyses of the hand: Thiemann disease in three sisters, van der Laan JG; Thijn CJP, *Skeletal Radiol* 1986; 15: 117

Fingers and toes, injuries

patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, Downey EF Jr; Curtis DJ, *Radiology* 1986; 158: 679

Fingers and toes, ischemia

blue digit syndrome: treatment with percutaneous transluminal angioplasty, Kumpe DA; Zwerdinger S; Griffin DJ, *Radiology* 1988; 166: 37

blue toe syndrome: treatment with anticoagulants and delayed percutaneous transluminal angioplasty, Brewer ML; Kinnison ML; Perler BA; White RI Jr, *Radiology* 1988; 166: 31

Fingers and toes, neoplasms

Ewing's sarcoma of the thumb: radiographic, angiographic, CT, and bone scan findings, Amico S; Lucas PG; Chelius P; et al, *Clin Nucl Med* 1987; 12: 671

fibro-osseous pseudotumor of the digits, (ab), Dupree WB; Enzinger FM, *Radiology* 1987; 164: 590

glomus tumors in the fingers: diagnosis with US, Fornage BD, *Radiology* 1988; 167: 183

high resolution MR imaging of glomus tumor, Kneeland JB; Middleton WD; Matloub HS; et al, *JCAT* 1987; 11: 351

painful swelling of the toe in a young boy, Sartoris DJ; Haghighi P; Resnick D, *Invest Radiol* 1987; 22: 170

primary osteosarcoma of toe phalanx: first documented case: review of osteosarcoma of short tubular bones, (ab), Mirra JM; Kameda N; Rosen G; et al, *Radiology* 1988; 168: 590

radionuclide imaging of two patients with metastasis to a distal phalanx of the hand, Kosuda S; Gokan T; Tamura K; et al, *Clin Nucl Med* 1986; 11: 659

Fistula

experimental evaluation of various available contrast agents for use in the gastrointestinal tract in case of suspected leakage, effects on pleura, Ginal AZ, *Br J Radiol* 1986; 59: 887

Fistula, anorectal

unusual fistulae between the rectum and the lower urinary tract: simple techniques for diagnosis, Nino-Murcia M; Friedland GW, *Urol Radiol* 1988; 9: 240

Fistula, aortobronchopulmonary

aortobronchopulmonary fistula complicating aortic aneurysm: diagnosis in four cases, Colobent CL; Sallee DS; Chiles C, *AJR* 1988; 150: 535

Fistula, aorticaval

aorticaval fistula: CT appearance with angiographic correlation, Koslin DB; Kenney PJ; Stanley RJ; et al, *JCAT* 1987; 11: 348

atypical spontaneous aorto-caval fistula: CT appearance, Epstein DH; Higgins WL, *Comput Radiol* 1986; 4: 189

CT detection of aorticaval fistula, Middleton WD; Smith DF; Foley WD, *JCAT* 1987; 11: 344

diagnosis of spontaneous aorto-caval fistula by computed tomography, Clements R; Fitzgerald E; Thorpe A, *Br J Radiol* 1986; 59: 403

MRI diagnosis of aorticaval fistula secondary to ruptured infrarenal abdominal aortic aneurysm, Lupetin AR; Dash N; Contractor FM, *Cardiovasc Intervent Radiol* 1987; 10: 24

traumatic aorticaval fistula presenting as atypical chest pain, Marx M; Geller S; Bettmann M, *Cardiovasc Intervent Radiol* 1986; 9: 17

Fistula, aortoenteric

angiographic signs of aortic graft-enteric fistulae, Schütte HE, *Clin Radiol* 1987; 38: 503

- aorto-enteric fistula, Travis RC; Wattie WJ, Australas Radiol 1987; 31: 271
- duodenal fistula—rare complication following the removal of an infected aortic graft: case report, Hannig C; Allgayer B; Risch M; et al, Cardiovasc Intervent Radiol 1986; 9: 33
- Fistula, aortoesophageal**
- CT demonstration of an aortoesophageal fistula, Longo JM; Lopez-Rasines G; Ortega E; et al, Cardiovasc Intervent Radiol 1987; 10: 84
- Fistula, arteriocolic**
- angiographic management of arteriocolic fistulae, Husted J; Dempsey D, Cardiovasc Intervent Radiol 1986; 9: 158
- Fistula, arterioenteric**
- duodenal fistula: complication of a pseudoaneurysm of the common hepatic artery, Aggarwal S; Berry M, Gastrointest Radiol 1988; 13: 230
- Fistula, arterioportal**
- arterioportal fistula demonstrated by pulsed Doppler ultrasonography—afortune M; Breton G; Charlebois S, J Ultrasound Med 1986; 5: 105
- use of giant steel coils in the therapeutic embolization of a superior mesenteric artery—portal vein fistula, Hennessy OF; Gibson RN; Allison DJ, Cardiovasc Intervent Radiol 1986; 9: 42
- Fistula, arteriovenous**
- See also Arteriovenous malformations
- arteriovenous fistula associated with renal cell carcinoma: demonstration by magnetic resonance imaging, Sell C; Bartolozzi C; Lizzadro G; et al, Urol Radiol 1986; 8: 190
- arteriovenous fistula of the internal maxillary artery: treatment with transarterial embolization, Halbach VV; Higashida RT; Hieshima GB; Hardin CW, Radiology 1988; 168: 443
- arteriovenous fistula secondary to renal biopsy, Leonard JC; Nanney SM; Tytle T, Clin Nucl Med 1986; 11: 284
- arterio-venous shunting complicating occlusive atherosclerotic peripheral vascular disease, Vallance R; Quinn RO; Forrest H, Clin Radiol 1986; 37: 389
- case report: a subclavian line complication: embolisation of an arteriovenous fistula, Venta LA; Feldman L, Clin Radiol 1988; 39: 210
- case report: traumatic arterio-venous fistula involving the portal venous system, Epstein BM; Bocchiola FC; Andrews JC; et al, Clin Radiol 1987; 38: 91
- dural arteriovenous fistulae, Gaston A; Chiras J; Martin N; et al, J Neuroradiol 1988; 15: 160
- facial vascular malformations in children: conventional and digital, diagnostic and therapeutic angiography, Brunelle FO; Chaumont P; Teillac D; et al, Pediatr Radiol 1988; 18: 377
- femoral arteriovenous fistula after placement of a Kimray-Greenfield filter, Grassi CJ; Bettmann MA; Rogoff P; et al, AJR 1988; 151: 681
- fistules arterio-veineuses intracraniales extramedullaires multiples a drainage venieux medullaire "libre" (multiple intrathecal extramedullary arteriovenous fistulae draining "freely" into the spinal veins), Thibot J; Clavier E; Tadie M; et al, J Neuroradiol 1986; 13: 173
- high-flow angiodysplasia: cerebral blood vessel changes in experimental chronic arteriovenous fistula, Pile-Spellman JMD; Baker KF; Liszczak TM; et al, AJNR 1986; 7: 811
- high-risk dural arteriovenous fistulae of the transverse and sigmoid sinuses, Ishii K; Goto K; Ihara K; et al, AJNR 1987; 8: 1113
- internal mammary artery-to-innominate vein arteriovenous fistula: treatment by transcatheter embolization, Langlois A; Sniderman KW, J Canad Assoc Radiol 1987; 38: 131
- late venous rupture after angioplasty of an arteriovenous dialysis fistula, Bourne EE, AJR 1988; 150: 797
- long term follow-up of 43 pure dural arteriovenous fistulae (AVF) of the lateral sinus, Fermand M; Reizine D; Melki JP; et al, Neuroradiol 1987; 29: 348
- maintenance of vascular access patency in pediatrics, Hoffer FA; Wyly JB; Fellows KE; et al, Pediatr Radiol 1986; 16: 456
- MRI study of dural arteriovenous fistulae draining into the external spinal veins: seven cases, Assouline E; Gelbert F; Dormont D; et al, J Neuroradiol 1988; 15: 1
- MR of superior mesenteric artery—renal vein fistula, Conces DJ Jr; Kreipke DL; Tarver RD, Comput Radiol 1986; 10: 279
- normal perfusion pressure breakthrough occurring during treatment of carotid and vertebral fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1987; 8: 751
- percutaneous embolization of arteriovenous fistulas of the external carotid artery, Berenstein A; Scott J; Choi IS; et al, AJNR 1986; 7: 937
- postnephrectomy pseudoaneurysm with arteriovenous fistula, Herman SD; Radecki PD; Friedman AC; et al, Urol Radiol 1988; 9: 225
- radionuclide findings in arteriovenous fistula between left pulmonary artery and vein, Abdel-Dayem HM; Mohammad MM; Khan N; et al, Clin Nucl Med 1986; 11: 865
- scintigraphic criteria for the diagnosis of renal arteriovenous fistulas, Rosen JM; Binkert BL; Seldin DW; et al, Clin Nucl Med 1986; 11: 847
- spontaneous arterio-venous fistulae of the vertebral artery: diagnostic and therapeutic considerations, Beltramello A; Maschio A; Piovani E; et al, Eur J Radiol 1988; 8: 148
- stenoses in dialysis fistulas: treatment with percutaneous angioplasty, Saeed M; Newman GE; McCann RL; Sussman SK; Braun SD; Dunnick NR, Radiology 1987; 164: 693
- traumatic arterio-venous fistula with false aneurysm in neurofibromatosis, Tsuha M; Kashiwagi S; Katoh S; et al, Neuroradiol 1988; 30: 88
- treatment of vertebral arteriovenous fistulas, Halbach VV; Higashida RT; Hieshima GB, AJNR 1987; 8: 1121
- vertebral arteriovenous fistulas: clinical presentation, angiographic appearance and endovascular treatment. a review of twenty-five cases, (ab), Reizine D; Laouti M; Guimaraens L; et al, Radiology 1986; 159: 574
- Fistula, biliopleural**
- biliopleural fistula as a complication of percutaneous biliary drainage: experimental evidence for pleural inflammation, (ab), Strange C; Allen ML; Freedland PN; et al, Radiology 1988; 168: 884
- Fistula, bronchobiliary**
- bronchobiliary fistula: complete percutaneous treatment with biliary drainage and stricture dilation, Schwartz ML; Coyle MJ; Aldrete JS; Keller FS, Radiology 1988; 168: 751
- bronchobiliary fistulas in adults, (ab), Gugenheim J; Ciardullo M; Traynor O; et al, Radiology 1988; 167: 884
- Fistula, bronchoesophageal**
- benign, atraumatic, bronchoesophageal fistulae, Woods D; Francis S; Lighter M; et al, J Canad Assoc Radiol 1988; 39: 68
- benign esophagorespiratory fistulas in adults, Vasquez RE; Landay M; Kilman WJ; Estrera A; Schreiber T, Radiology 1988; 167: 93
- Fistula, bronchopleural**
- benign esophagorespiratory fistulas in adults, Vasquez RE; Landay M; Kilman WJ; Estrera A; Schreiber T, Radiology 1988; 167: 93
- postpneumectomy bronchopleural fistula imaged by ventilation lung scanning, Moote D; Ehrlich L; Martin RH, Clin Nucl Med 1987; 12: 337
- Fistula, carotid**
- normal perfusion pressure breakthrough occurring during treatment of carotid and vertebral fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1987; 8: 751
- Fistula, carotid-cavernous**
- bilateral direct carotid-cavernous fistulas of traumatic and spontaneous origin: two case reports, vd Vliet AM; Rwiza HT; Thijssen HOM; et al, Neuroradiol 1987; 29: 565
- bilateral post-traumatic carotid-cavernous fistula: anatomico-radiological correlations in a case treated by detachable balloon, Gaston A; Combes C; Razavi F; et al, J Neuroradiol 1986; 13: 55
- carotid cavernous fistulae: indications for urgent treatment, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1987; 8: 627
- case report: traumatic carotid-cavernous fistula with contralateral proptosis, Hawkins TD, Clin Radiol 1986; 37: 509
- classification and treatment of spontaneous carotid-cavernous sinus fistulas, (ab), Barrow DL; Spector RH; Braun IF; et al, Radiology 1986; 158: 284
- giant intracavernous carotid aneurysm after spontaneous thrombosis of a carotid cavernous sinus fistula, Graves VB; Strother CM; Weinstein JM; et al, AJNR 1988; 9: 595
- percutaneous transluminal angioplasty prior to carotid cavernous fistula embolization, Pilla TJ; Tantan S; Smith KR, AJNR 1988; 9: 789
- radiotherapy of spontaneous carotid-cavernous sinus fistulas, Yasunaga T; Takada C; Uozumi H; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1909
- transvenous embolization of direct carotid cavernous fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, AJNR 1988; 9: 741
- treatment of a recurrent traumatic carotid-cavernous fistula: vertebro-basilar approach after surgical occlusion of the internal carotid artery, Garcia-Cervigon E; Bien S; Laurent A; et al, Neuroradiol 1988; 30: 355
- treatment of carotid cavernous fistulae or cavernous aneurysms associated with a persistent trigeminal artery: report of three cases, Debrun GM; Davis KR; Nauta HJ; et al, AJNR 1988; 9: 749
- treatment of direct carotid-cavernous fistulas with detachable balloons, Berthelsen B; Svendsen P, Acta Radiol 1987; 28: 683
- Fistula, cholecystoduodenal**
- cholecystoduodenal fistula due to pancreatic carcinoma: CT diagnosis, Radin DR; Santiago EM, JCAT 1986; 10: 149
- angiography of Bouveret's syndrome, Maglente DDT; Lappas JC; Ng AC, J Ultrasound Med 1987; 6: 675
- Fistula, choledochocolonic**
- choledochocolonic fistula—rare complication of cholangiocarcinoma, Rawas MM; Yee ACN; Ho CS, J Canad Assoc Radiol 1987; 38: 139
- Fistula, colonic**
- Crohn disease: perirectal and perianal findings at CT, Yousem DM; Fishman EK; Jones B, Radiology 1988; 167: 331
- cystic neuroblastoma with colonic fistula, Mohd TBH; Yip CH, Pediatr Radiol 1988; 18: 406
- nonspecific involvement of bowel adjoining Crohn disease, Herlinger H; O'Riordan D; Saul S; Levine MS, Radiology 1986; 159: 47
- Fistula, colopleural**
- strangulated diaphragmatic hernia with pneumothorax due to colopleural fistula, Radin DR; Ray MJ; Halls JM, AJR 1986; 146: 321
- Fistula, colouterine**
- colouterine fistula and pyometrium treated with percutaneous drainage: a case report, Shultz S; Wojtowycz M; Traugher P; et al, Cardiovasc Intervent Radiol 1988; 11: 157
- Fistula, coronary**
- radionuclide cardioangiographic demonstration of a coronary artery fistula, Wells RG; Litwin SB; Sty JR, Pediatr Radiol 1986; 16: 61
- Fistula, duodenal-pericardial**
- duodenal-pericardial fistula caused by a duodenal ulcer, Bajakian RL; Swaine LC; McLaughlin MG; et al, AJR 1988; 151: 315
- Fistula, dural**
- dural arteriovenous fistulae, Gaston A; Chiras J; Martin N; et al, J Neuroradiol 1988; 15: 160
- dural fistulas involving the cavernous sinus: results of treatment in 30 patients, Halbach VV; Higashida RT; Hieshima GB; Reicher MA; Norman D; Newton TH, Radiology 1987; 163: 437

Fistula, dural

- dural fistulas involving the transverse and sigmoid sinuses: results of treatment in 28 patients, Halbach VV; Higashida RT; Hieshima GB; Goto K; Norman D; Newton TH, *Radiology* 1987; 163: 443
- high-risk dural arteriovenous fistulae of the transverse and sigmoid sinuses, Ishii K; Goto K; Ihara K; et al, *AJNR* 1987; 8: 1113
- radioisotope passage study in the diagnosis of osteo-dural fistulae, George B; Cophignon J; Dadsetan T; et al, *J Neurosurg* 1986; 13: 286
- Fistula, enterobronchial**
enterobronchial fistula, Richterman RL; Caroline DF; Friedman AC; et al, *Gastrointest Radiol* 1987; 12: 194
- Fistula, enterovenous**
enterovenous fistula: unusual complication of Crohn disease, Aizen SA; Gibney RC; Cooperberg PL; Scudamore CH; Miller RR, *Radiology* 1988; 166: 745
- Fistula, enterovesical**
computed tomographic diagnosis of enterovesical fistulae: barium evacuation method, Narumi Y; Sato T; Kuriyama K; et al, *Gastrointest Radiol* 1988; 13: 233
- enterovesical fistula, (ab), Sarr MG; Fishman EK; Goldman SM; et al, *Radiology* 1987; 164: 292
- Fistula, esophageal**
See also **Fistula, bronchoesophageal**; **Fistula, tracheoesophageal**
CT demonstration of fistula between esophageal carcinoma and spinal canal, Cornwell J; Walden C; Ghahremani GG, *JCAT* 1986; 10: 671
- CT of esophageal-pleural fistulae, Wechsler RJ, *AJR* 1986; 147: 907
- esophageal anastomotic leaks: preliminary results of treatment with balloon dilation, de Lange EE; Shaffer HA Jr; Daniel TM; Kron IL, *Radiology* 1987; 165: 45
- esophageal fistula associated with intracavitary irradiation for esophageal carcinoma, Hishikawa Y; Tanaka S; Miura T, *Radiology* 1986; 159: 549
- Fistula, gastrobronchial**
gastrobronchial fistula: an unusual complication of Nissen fundoplication, Gaensler EHL; Jeffrey RB Jr; Noonan CD, *Gastrointest Radiol* 1988; 13: 6
- Fistula, gastrointestinal**
case report: spontaneous healing of a gastrocolic fistula due to a benign gastric ulcer, McCullough KM; Gregson R, *Clin Radiol* 1987; 38: 431
- gastric and duodenal fistulas in Crohn's disease, (ab), Jacobson IM; Schapiro RH; Warshaw AL, *Radiology* 1986; 160: 284
- Fistula, gastropancreatic**
CT demonstration of gastropancreatic fistula due to penetrating gastric ulcer, Hughes JJ; Blunck CE, *JCAT* 1987; 11: 709
- Fistula, hepatoduodenal**
hepato-duodenal fistula, Gupta RK; Pant CS; Mathur ML, *Eur J Radiol* 1987; 7: 151
- Fistula, hepatoportal**
aneurysmal portahepatic venous fistula: report of two cases, Chagnon SF; Vallee CA; Barge J; Chevalier L; Le Gal J; Blery MV, *Radiology* 1986; 159: 693
- iatriogenic aneurysmal portal-hepatic venous fistula: diagnosis by color Doppler imaging, Bezzi M; Mitchell DG; Needleman L; et al, *J Ultrasound Med* 1988; 7: 457
- steel coil embolization of hepatoportal fistulae, Applbaum YN; Renner JW, *Cardiovasc Intervent Radiol* 1987; 10: 75
- Fistula, nephrooduodenal**
nephro-duodenal fistula: complication of percutaneous nephrolithotomy, (ab), Culkun DJ; Wheeler JS Jr; Canning JR, *Radiology* 1986; 158: 858
- Fistula, pancreatic-pleural**
pancreaticopleural fistula: demonstration by computed tomography and endoscopic retrograde cholangiopancreatography, Bronner MH; Marsh WH; Stanley JH, *CT* 1986; 10: 167
- pancreaticopleural fistulas, (ab), Pottmeyer EW III; Frey CF; Matsuno S, *Radiology* 1988; 166: 292
- Fistula, rectovesical**
demonstration of a rectovesical fistula on a technetium-99m MDP bone imaging, Higashi K; Ohguchi M; Okimura T; et al, *Clin Nucl Med* 1988; 13: 625

- Fistula, renal**
postnephrectomy pseudoaneurysm with arteriovenous fistula, Herman SD; Radecki PD; Friedman AC; et al, *Urol Radiol* 1988; 9: 225
- Fistula, renoduodenal**
renal stone ileus, Bahn DK; Brown RKJ; Reidinger AA; et al, *AJR* 1988; 150: 145
- Fistula, renopleural**
radioisotope demonstration of a renopleural fistula following trauma, Manier SM; Blue PW; Ghaed N, *Clin Nucl Med* 1986; 11: 870
- Fistula, splenobronchial**
splenobronchial fistula: interventional radiologic management, Neff CC, *Gastrointest Radiol* 1987; 12: 197
- Fistula, therapeutic blockade**
case report: a subclavian line complication: embolisation of an arteriovenous fistula, Venta LA; Feldman L, *Clin Radiol* 1988; 39: 210
- internal mammary artery-to-innominate vein arteriovenous fistula: treatment by transcatheter embolization, Langlois A; Sniderman KW, *J Canad Assoc Radiol* 1987; 38: 131
- normal perfusion pressure breakthrough occurring during treatment of carotid and vertebral fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, *AJNR* 1987; 8: 751
- percutaneous transluminal angioplasty prior to carotid cavernous fistula embolization, Pilla TJ; Tanta S; Smith KR, *AJNR* 1988; 9: 789
- transvenous embolization of direct carotid cavernous fistulas, Halbach VV; Higashida RT; Hieshima GB; et al, *AJNR* 1988; 9: 741
- treatment of direct carotid-cavernous fistulas with detachable balloons, Berthelsen B; Svendsen P, *Acta Radiol* 1987; 28: 683
- use of giant steel coils in the therapeutic embolization of a superior mesenteric artery-portal vein fistula, Hennessy OF; Gibson RN; Allison DJ, *Cardiovasc Intervent Radiol* 1986; 9: 42
- Fistula, tracheoesophageal**
antenatal detection of esophageal atresia with distal tracheoesophageal fistula, Rahmani MR; Zalev AH, *JCU* 1986; 14: 143
- benign esophagorespiratory fistulas in adults, Vasquez RE; Landay M; Kilman WJ; Estrera A; Schreiber T, *Radiology* 1988; 167: 93
- computed tomography evaluation of tracheoesophageal fistula, Vaid YN; Shin MS, *CT* 1986; 10: 281
- tracheoesophageal fistula in utero: twenty-two cases, Pretorius DH; Drose JA; Dennis MA; et al, *J Ultrasound Med* 1987; 6: 509
- Fistula, ureteral**
percutaneous management of benign ureteral strictures and fistulas, (ab), Chang R; Marshall FF; Mitchell S, *Radiology* 1987; 165: 884
- urographic and computed tomographic demonstration of ureteroarterial fistula, Jafri SZH; Farah J, *Urol Radiol* 1987; 9: 47
- Fistula, ureteroarterial**
computed tomography in the diagnosis of fistula between the ureter and iliac artery, Baum ML; Baum RD; Plaine L; et al, *JCAT* 1987; 11: 719
- Fistula, urinary**
renal embolization for urinary fistula using alcohol (chemical nephrectomy), Rahman M; Koneru SR; McEwan AB, *Br J Radiol* 1986; 59: 940
- Fistula, vesicocolonic**
demonstration of vesicocolonic fistula after Lasix administration, Culp PJ; Cowan RJ, *Clin Nucl Med* 1987; 12: 965
- Fistula, vesicorectal**
demonstration of a vesicorectal fistula by technetium-99m MDP imaging, Kosuda S; Ishikawa M; Kunieda E; et al, *Clin Nucl Med* 1988; 13: 206
- Fistula, vesicovaginal**
percutaneously applied ureteral clips: treatment of vesicovaginal fistula, Darcy MD; Lund GB; Smith TP; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 819

- Fluorine**
bone imaging in a case of chronic fluorine intoxication with mineral water, Thivolle P; Mathieu L; Damideaux J; et al, *Clin Nucl Med* 1986; 11: 771
- F-19 MR imaging of glucose metabolism in the rabbit, Nakada T; Kwee IL; Griffey BV; Griffey RH, *Radiology* 1988; 168: 823
- fluorine-18 labeling of proteins, Kilbourn MR; Dence CS; Welch MJ; et al, *J Nucl Med* 1987; 28: 462
- MR imaging of the lung using liquid perfluorocarbons, Thomas SR; Clark LC Jr; Ackerman JL; et al, *JCAT* 1986; 10: 1
- spin-echo fluorine magnetic resonance imaging at 2 T: in vivo spatial distribution of halothane in the rabbit head, Chew WM; Moseley ME; Mills PA; et al, *Magn Res Imag* 1987; 5: 51
- trabecular stress fractures during fluoride therapy for osteoporosis, (ab), Schnitzler CM; Solomon L, *Radiology* 1986; 159: 572
- Fluoroscopy**
See also **Radiography**
investigation into the levels of radiation exposure in diagnostic examinations involving fluoroscopy, Rowley KA; Hill SJ; Watkins RA; et al, *Br J Radiol* 1987; 60: 167
- lag in radiographic imaging systems: simple methods for evaluation, Shearer DR; Moore MM, *Radiology* 1986; 159: 259
- nonsurgical repositioning of central venous catheters, Lois JF; Gomes AS; Pusey E, *Radiology* 1987; 165: 329
- nonsurgical repositioning of central venous catheters, Hartnell GG; Wilde FH, *Radiology* 1988; 168: 581
- value of fluoroscopy in the detection of coronary stenosis: influence of age, sex, and number of vessels calcified on diagnostic efficacy, (ab), Uretsky BF; Rifkin RD; Sharma SC; et al, *Radiology* 1988; 169: 883
- velopharyngeal insufficiency on videofluoroscopy: comparison of projections, Stringer DA; Witzel MA, *AJR* 1986; 146: 15
- Fluoroscopy, technology**
improved fluoroscopic and cine-radiographic display with pulsed exposures and progressive TV scanning, Seibert JA, *Radiology* 1986; 159: 277
- MR fluoroscopy: technical feasibility, Riederer SJ; Tasciyan T; Farzaneh F; et al, *Magn Res Med* 1988; 8: 1
- shoulder impingement view: a fluoroscopic technique for the detection of subacromial spurs, Newhouse KE; El-Khoury GY; Nepola JV; et al, *AJR* 1988; 151: 539
- use of light localizer in fluoroscopically guided percutaneous procedures, Hayt DB, *AJR* 1987; 149: 623
- Fluorosis**
osteoporosis—early radiographic sign of endemic fluorosis, Zong-Cheng L; En-Huei W, *Skeletal Radiol* 1986; 15: 350
- Fluorouracil**
5-fluorouracil infusions and fractionated doses of radiation: study with a murine squamous cell carcinoma, Weinberg MJ; Rauth AM, *Int J Radiat Oncol Biol Phys* 1987; 13: 1691
- comparison of helium-ion radiation therapy and split-course megavoltage irradiation for unresectable adenocarcinoma of the pancreas: final report of a Northern California oncology group randomized prospective clinical trial, Linstadt D; Quivey JM; Castro JR; Andejeski Y; Phillips TL; Hannigan J; Gribble M, *Radiology* 1988; 168: 261
- growth delay in a murine squamous cell tumor after local radiation and concurrent intratumoral 5-fluorouracil treatment, Weinberg MJ; Lapointe TA; Rauth AM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1449
- sequential 5-fluorouracil and methotrexate: negative experience in metastatic colorectal cancer, Wanderås EH; Fosså SD; Tveit KM; et al, *Acta Oncol* 1987; 26: 289
- Focal spots**
focal-spot measurement: comparison of slit, pinhole, and star resolution pattern techniques, Everson JD; Gray JE, *Radiology* 1987; 165: 261

Foot

- diabetic foot, Zlatkin MB; Pathria M; Sartoris DJ; et al, *Radiol Clin North Am* 1987; 25: 1095
- fluorescein labeling of lymphatic vessels for lymphangiography, Cooper SG; Maitem AN; Richman AH, *Radiology* 1988; 167: 559
- normal variant simulating Freiberg's disease, Jensen EL; de Carvalho A, *Acta Radiol* 1987; 28: 85
- rheumatoid and seronegative arthropathies of the foot, Kumar R; Madewell JE, *Radiol Clin North Am* 1987; 25: 1263
- utility of foot venography as part of the routine lower-extremity venogram: prospective study, Glanz S; Gordon DH, *Cardiovasc Intervent Radiol* 1986; 9: 15

Foot, abnormalities

- case report 341, Milgrom C; Kaplan L; Lax E, *Skeletal Radiol* 1986; 15: 150
- foot deformity in hereditary onychodysplasia, Fiedler BS; De Smet AA; Kling TF Jr; et al, *J Canad Assoc Radiol* 1987; 38: 305
- massive acroosteolysis in adult T-cell leukemia/lymphoma, Austin CB; Young JWR; Park HJ; Needleman BW; Handwerker BS; Rosenbaum RC, *Radiology* 1987; 164: 787
- rupture of the posterior tibial tendon: CT and surgical findings, Rosenberg ZS; Jahss MH; Noto AM; Shreffel MJ; Cheung Y; Frey CC; Norman A, *Radiology* 1988; 167: 489
- sonographic diagnosis of clubfoot in utero, Hashimoto BE; Filly RA; Callen PW, *J Ultrasound Med* 1986; 5: 81
- spontaneous osteonecrosis of the tarsal navicular in adults: imaging findings, Haller J; Sartoris DJ; Resnick D; et al, *AJR* 1988; 151: 355

Foot, anatomy

- CT scanning of the foot and ankle: 1. normal anatomy, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1192
- CT scanning of the foot and ankle: 2. clinical applications and review of the literature, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1204
- measurements of radiographs of the foot in normal infants and children, (ab), Vandervilte R; Staheli LT; Chew DE; et al, *Radiology* 1988; 169: 295

Foot, CT

- computed tomographic appearance of giant cell reparative granuloma of a tarsal bone, Cook KL; Braunstein EM, *Comput Med Imag Graph* 1988; 12: 111
- CT scanning of the foot and ankle: 1. normal anatomy, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1192
- CT scanning of the foot and ankle: 2. clinical applications and review of the literature, Solomon MA; Gilula LA; Oloff LM; et al, *AJR* 1986; 146: 1204
- fractures of the talus and calcaneus: evaluation by computed tomography, Hindman BW; Ross SDK; Sowerby MRR, *CT* 1986; 10: 191
- metatarsal penciling in acromegaly: a proposed mechanism based on CT findings, Doppman JL; Sharon M; Gordon P, *JCAT* 1988; 12: 708
- soft-tissue abnormalities of the foot and ankle: CT diagnosis, Keyser CK; Gilula LA; Hardy DC; et al, *AJR* 1988; 150: 845
- three-dimensional computed tomography of the foot: optimizing the image, Adler SJ; Vannier MW; Gilula LA; et al, *Comput Med Imag Graph* 1988; 12: 59

Foot, fractures

- fractures of the talus and calcaneus: evaluation by computed tomography, Hindman BW; Ross SDK; Sowerby MRR, *CT* 1986; 10: 191
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945

Foot, infection

- case report 442, Gold RH; Mirra JM, *Skeletal Radiol* 1987; 16: 577
- diabetic foot infections: bacteriologic analysis, (ab), Wheat LJ; Allen SD; Henry M; et al, *Radiology* 1987; 163: 293

Foot, injuries

- peroneal tendon injuries: CT analysis, Rosenberg ZS; Feldman F; Singson RD, *Radiology* 1986; 161: 743

- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945

Foot, neoplasms

- case report 423, Sartoris DJ; Haghighi P; Resnick D, *Skeletal Radiol* 1987; 16: 325
- case report 482, Nakajima H; Ushigome S; Fukuda J, *Skeletal Radiol* 1988; 17: 289
- metastatic tumours of bones of the hand and foot: a comparative review and report of 43 additional cases, Libson E; Bloom RA; Husband JE; et al, *Skeletal Radiol* 1987; 16: 387
- osteoid osteoma and osteoblastoma of the talus: report of 40 cases, Capanna R; Van Horn JR; Ayala A; et al, *Skeletal Radiol* 1986; 15: 360

Foot, radionuclide studies

- bone scanning of the foot for unexplained pain, (ab), Maurice HD; Newman JH; Watt I, *Radiology* 1987; 165: 885
- frostbite: experimental assessment of tissue damage using Tc-99m pyrophosphate, work in progress, Salimi Z; Wolverson MK; Herbold DR; Vas W, *Radiology* 1986; 161: 227
- scintigraphic manifestations of infraction of the second metatarsal (Freiberg's disease), Mandell GA; Harcke HT, *J Nucl Med* 1987; 28: 249

Foot, US studies

- sonography of the hand and foot in foreign body detection, Gooding GAW; Hardman T; Sumers M; et al, *J Ultrasound Med* 1987; 6: 441
- sonography of the sole of the foot: evidence for loss of foot pad thickness in diabetes and its relationship to ulceration of the foot, Gooding GAW; Stess RM; Graf PM; et al, *Invest Radiol* 1986; 21: 45
- ultrasound examination of the hand and foot, Fornage BD; Rifkin MD, *Radiol Clin North Am* 1988; 26: 109

Foramen magnum

- pediatric patients with achondroplasia: CT evaluation of the craniocervical junction, Wang H; Rosenbaum AE; Reid CS; Zinreich SJ; Pyritz RE, *Radiology* 1987; 164: 515

Foreign bodies

- complication of cleansing enema: retained protective shield of the enema tip, Zeligman BE; Feinberg LE; Johnson ED, *Gastrointest Radiol* 1986; 11: 372
- computed tomography of intraorbital foreign bodies, Lindahl S, *Acta Radiol* 1987; 28: 235
- CT and ultrasound findings of surgically retained sponges and towels, Yamato M; Ido K; Izutsu M; et al, *JCAT* 1987; 11: 1003
- CT appearance of a surgically retained towel (gossypiboma), Sheward SE; Williams AG Jr; Mettler FA Jr; et al, *JCAT* 1986; 10: 343
- CT evaluation of plastic intraocular foreign bodies, Henriksen GC; Mafee MF; Flanders AE; et al, *AJNR* 1987; 8: 378
- ferromagnetism of intraocular foreign body causes unilateral blindness after MR study, Kelly WM; Paglen PG; Pearson JA; et al, *AJNR* 1986; 7: 243
- fixed intravascular foreign bodies: a new method for removal, Grabenwoeger F; Dock W; Pinteris F; Appel W, *Radiology* 1988; 167: 555
- forgotten surgical foreign body, Klein J; Farman J; Burrell M; et al, *Gastrointest Radiol* 1988; 13: 173
- imaging foreign glass and wooden bodies of the extremities with CT and MR, Bodne D; Quinn SF; Cochran CF, *JCAT* 1988; 12: 608
- modified use of the tip-deflecting wire in manipulation of foreign bodies, Nemcek AA Jr; Vogelzang RL, *AJR* 1987; 149: 777
- obstructive jaundice from open vessel clip, Davis M; Hart B; Kleinman R, *Gastrointest Radiol* 1988; 13: 259
- percutaneous removal of thoracostomy tubes, Monsehn LH; Woodside JR; Dhillion JS, *Radiology* 1987; 165: 743
- permanent subcutaneous acupuncture needles: radiographic manifestations, Galuten A; Austin JHM, *J Canad Assoc Radiol* 1988; 39: 54

- post-operative intracranial foreign body granuloma: a case report, Djindjian M; Brugieres P; Razavi-Encha F; et al, *Neuroradiol* 1987; 29: 497
- pseudo defect of the spleen in an adolescent with fever of unknown origin, Hinton AA; Sandler MP; Shaff MI, *Clin Nucl Med* 1987; 12: 471
- radiographic evaluation of the cocaine smuggler, Beerman R; Nunez D Jr; Wetli CV, *Gastrointest Radiol* 1986; 11: 351
- retained surgical sponge: diagnosis with CT and sonography, Choi BI; Kim SH; Yu ES; et al, *AJR* 1988; 150: 1047
- retrieval of intravascular foreign bodies, Gerlock AJ Jr; Mirfakhraee M, *J Thorac Imag* 1987; 2: 52
- sonographic diagnosis of a retained surgical sponge in the breast, Fornage BD, *JCU* 1987; 15: 285
- sonographic diagnosis of foreign bodies of the distal extremities, Fornage BD; Schernberg FL, *AJR* 1986; 147: 567
- sonographic preoperative localization of a foreign body in the hand, Fornage BD; Schernberg FL, *J Ultrasound Med* 1987; 6: 217
- sonography of the hand and foot in foreign body detection, Gooding GAW; Hardman T; Sumers M; et al, *J Ultrasound Med* 1987; 6: 441
- three cases of an unusual foreign body in small bowel, Guindi MM; Troster MM; Walley VM, *Gastrointest Radiol* 1987; 12: 240
- ultrasonic detection of soft tissue foreign bodies, Little CM; Parker MG; Callowich MC; et al, *Invest Radiol* 1986; 21: 275

Foreign bodies, in air and food passages

- basket extraction of esophageal foreign bodies, Shaffer HA Jr; Alford BA; de Lange EE; et al, *AJR* 1986; 147: 1010
- CT findings in gastrointestinal perforation by ingested fish bones, Gonzalez JC; Gonzalez RR; Patiño JV; et al, *JCAT* 1988; 12: 88
- delayed diagnosis of esophageal perforation by aluminum foreign bodies, Eggle KD; Potter BM; Garcia V; et al, *Pediatr Radiol* 1986; 16: 511
- dislodgement of impacted oesophageal foreign bodies with carbonated beverages, Mohammed SH; Hegedus V, *Clin Radiol* 1986; 37: 589
- ingested foreign bodies: removal by magnet, Volle E; Hanel D; Beyer P; Kaufmann HJ, *Radiology* 1986; 160: 407
- opaque chest: when to suspect a bronchial foreign body, Seibert RW; Seibert JJ; Williamson SL, *Pediatr Radiol* 1986; 16: 193
- Play-Doh in the gastrointestinal tract: modify 'CHIP' to 'CHIPPED', (ab), Wason S; Dalsey W; Billmire ME; et al, *Radiology* 1986; 160: 575
- postural disimpaction of oesophageal obstruction, (ab), Partridge J, *Radiology* 1986; 158: 281
- radiographic identification of ingested disc batteries, Maves MD; Lloyd TV; Carithers JS, *Pediatr Radiol* 1986; 16: 154
- radiologic treatment of a patient with the 'steakhouse syndrome': case report, Zalev AH, *J Canad Assoc Radiol* 1988; 39: 59
- unusual tracheal foreign body in a neonate, Horimoto Y; Kasuya T; Yoshizawa M; et al, *Pediatr Radiol* 1986; 16: 420
- use of glucagon and gas-forming agents in acute esophageal food impaction, Smith JC; Janower ML; Geiger AH, *Radiology* 1986; 159: 567

Forensic radiology

- CT diagnosis of toxic brain injury in cyanide poisoning: considerations for forensic medicine, Varnell RM; Stimac GK; Fligner CL, *AJNR* 1987; 8: 1063
- radiologic evaluation of mass casualty victims: lessons from the Gander, Newfoundland, accident, Mulligan ME; McCarthy MJ; Wippold FJ; Lichtenstein JE; Wagner GN, *Radiology* 1988; 168: 229
- radiologic forensic investigation of fatal gunshot wounds, Messmer JM; Fierro MF, *Radiographics* 1986; 6: 457
- role of radiology in fatality investigations, Lichtenstein JE; Fitzpatrick JJ; Madewell JE, *AJR* 1988; 150: 751

Forestier disease

Forestier disease

dysphagia and Forestier's disease, (ab), Deutsch EC, Schick JA; Mafee MF, Radiology 1986; 159: 574

Fournier gangrene

See Scrotum, diseases

Fractionation

See Radiobiology, time-dose studies

Fractures

See also under names of individual bones
benign cortical defect: site for an avulsion fracture, Kumar R; Swischuk LE; Madewell JE, Skeletal Radiol 1986; 15: 553
computed tomography and plain radiography in experimental fracture healing, Braunstein EM; Goldstein SA; Ku J; et al, Skeletal Radiol 1986; 15: 27
coralline hydroxyapatite bone graft substitutes: preliminary report of radiographic evaluation, Sartoris DJ; Gershuni DH; Akeson WH; Holmes RE; Resnick D, Radiology 1986; 159: 133
cubital tunnel in ulnar entrapment neuropathy, St. John JN; Palmaz JC, Radiology 1986; 158: 119
development of post-traumatic cyst-like lesions in bone, Phillips CD; Keats TE, Skeletal Radiol 1986; 15: 631
effect of head injury on fracture healing: a quantitative analysis, (ab), Spencer RF, Radiology 1988; 166: 590
fractured long bones in the term infant delivered by Caesarian section, Kaplan M; Dollberg M; Waintraub G; et al, Pediatr Radiol 1987; 17: 256
fracture prevalence and bone mineral mass in osteoporosis measured with computed tomography and dual energy photon absorptiometry, Raymakers JA; Hoekstra O; van Putten J; et al, Skeletal Radiol 1986; 15: 191
hangman's fracture: radiologic assessment in 27 cases, Mirvis SE; Young JWR; Lim C; Greenberg J, Radiology 1987; 163: 713
impact of clinical history on fracture detection with radiography, Berbaum KS; El-Khoury GY; Franken EA Jr; Kathol MH; Montgomery WJ; Hesson W, Radiology 1988; 168: 507
In-111-labeled white blood cell uptake in noninfected closed fracture in humans: prospective study, Van Nostrand D; Abreu SH; Callaghan JJ; Atkins FB; Stoops HC; Savory CG, Radiology 1988; 167: 495
In-111-labeled white blood cell uptake in noninfected closed fracture, Siddiqui AR, Radiology 1988; 169: 579
In-111-labeled white blood cell uptake in noninfected closed fracture: reply, Van Nostrand D, Radiology 1988; 169: 580
non-union of fractures in children who have osteogenesis imperfecta, (ab), Gamble JG; Rinsky LA; Strudwick J; et al, Radiology 1988; 169: 295
osteomyelitis complicating fracture: pitfalls of ¹¹¹In leukocyte scintigraphy, Kim EE; Pijra GA; Lowry PA; et al, AJR 1987; 148: 927
quantitative CT for determination of bone mineral density: a review, Cann CE, Radiology 1988; 166: 509
relationship between oblique fractures of the medial malleolus and concomitant fractures of the anterolateral aspect of the tibial plafond, (ab), Giachino AA; Hammond DI, Radiology 1987; 164: 886
sonographic detection of occult bone fractures, Graif M; Stahl-Kent V; Ben-Ami T; et al, Pediatr Radiol 1988; 18: 383
unique musculoskeletal trauma, McNiesh LM, Radiol Clin North Am 1987; 25: 1107

Fractures, complications
complications of fractures and their healing, McDougall IR; Keeling CA, Semin Nucl Med 1988; 18: 113
complications of fractures elucidated by bone scans, Williamson SL; Seibert JJ; Glasier CM; et al, Clin Nucl Med 1987; 12: 260
fat embolism syndrome, Williams AG Jr; Mettler FA Jr; Christie JH; et al, Clin Nucl Med 1986; 11: 495
fracture nonunion: CT assessment with multiplanar reconstruction, Kuhlman JE; Fishman EK; Magid D; Scott WW Jr; Brooker AF; Siegelman SS, Radiology 1988; 167: 483

indium-111 chloride imaging with ununited fractures, Sayle BA; Fawcett HD; Yudit WM; et al, Clin Nucl Med 1987; 12: 208
pulmonary imaging in fat embolism syndrome, Park H-M; duCret RP; Brindley DC, Clin Nucl Med 1986; 11: 521
transient fatty cortical defects following fractures in children, Malgoum J; Maldague B, Skeletal Radiol 1986; 15: 368

Fractures, pathologic
aluminum toxicity in patients undergoing dialysis: radiographic findings and prediction of bone biopsy results, Kriegshauser JS; Sweet RC; McCarthy JT; Hauser MF, Radiology 1987; 164: 399
bone scan cold spot from separation of osseous fragments in pathologic fracture, Slavin JD Jr; Yousufi Z; Spencer RP, Clin Nucl Med 1987; 12: 659

Fractures, stress

bone imaging showing shin splints and stress fractures, Walz D; Craig BM; McGinnis KD, Clin Nucl Med 1987; 12: 822
case report 443, Ihmeidan IH; Tehranzadeh J; Oldham SA; et al, Skeletal Radiol 1987; 16: 581
case report 491, Hoang T-A; Nguyen TH; Daffner RH; et al, Skeletal Radiol 1988; 17: 364
computed tomography of stress fractures, Yousem DM; Magid D; Fishman EK; et al, JCAT 1986; 10: 92
insufficiency fractures of the pelvis, Gaucher A; Pere P; Bannwarth B, Clin Nucl Med 1986; 11: 518
insufficiency fractures of the sternum: a consequence of thoracic kyphosis?, Cooper KL, Radiology 1988; 167: 471
interpretation and classification of bone scintigraphic findings in stress fractures, Zwas ST; Elkanovitch R; Frank G, J Nucl Med 1987; 28: 452
longitudinal stress fracture of the tibia: case report, Miniaci A; McLaren AC; Haddad RG, J Canad Assoc Radiol 1988; 39: 221
longitudinal stress fractures of the tibia: diagnosis with CT, Allen GJ, Radiology 1988; 167: 799
MRI in stress fracture, Stafford SA; Rosenthal DI; Gebhardt MC; et al, AJR 1986; 147: 553
multiple stress fractures, Gupta RK; Saha MM, Australas Radiol 1986; 30: 57
pelvic stress fracture in female runners, Thorne DA; Datz FL, Clin Nucl Med 1986; 11: 828
stress fracture of the pubic ramus in a swimmer, Kim SM; Park CH; Gartland JJ, Clin Nucl Med 1987; 12: 118
stress fractures after surgery for osteosarcoma: scintigraphic assessment, Ben Ami T; Treves ST; Tumei S; Cox-Bryan J; McCarthy C, Radiology 1987; 163: 157
stress fractures: MR imaging, Lee JK; Yao L, Radiology 1988; 169: 217
stress fractures of the distal tibia and calcaneus subsequent to acute fractures of the tibia and fibula, Zlatkin MB; Bjorkengren A; Sartoris DJ; et al, AJR 1987; 149: 329
traumatic stress fractures during fluoride therapy for osteoporosis, (ab), Schnitzler CM; Solomon L, Radiology 1986; 159: 572
unique musculoskeletal trauma, McNiesh LM, Radiol Clin North Am 1987; 25: 1107
unusual stress fracture of the scapula in a jogger, Veluvolu P; Kohn HS; Guten GN; et al, Clin Nucl Med 1988; 13: 531

Fractures, therapy

coralline hydroxyapatite bone graft substitutes: preliminary report of radiographic evaluation, Sartoris DJ; Gershuni DH; Akeson WH; Holmes RE; Resnick D, Radiology 1986; 159: 133
radiographic evaluation of modern orthopedic fixation devices, Richardson ML; Kilcoyne RF; Mayo KA; Lamont JG; Hastrup W, Radiographics 1987; 7: 685

Frostbite

frostbite: experimental assessment of the damage using Tc-99m pyrophosphate, work in progress, Salimi Z; Wolverson MK; Herbold DR; Vas W, Radiology 1986; 161: 227

growth disturbances in the hands following thermal injuries in children, 2. frostbite, Reed MH, J Canad Assoc Radiol 1988; 39: 95
treatment of frostbite with IV streptokinase: an experimental study of rabbits, Salimi Z; Wolverson MK; Herbold DR; et al, AJR 1987; 149: 773

Furosemide

ultrasound diagnosis of renal calcification in infants on chronic furosemide therapy, Myracle MR; McGahan JP; Goetzman BW; et al, JCU 1986; 14: 281
use of furosemide in pregnancies complicated by oligohydramnios, Raghavendra BN; Young BK; Greco MA; Lustig-Gillman I; Horii SC; Hirsch MA; Yee J, Radiology 1987; 165: 455

G

Gadolinium

acute tubular necrosis: use of gadolinium-DTPA and fast MR imaging to evaluate renal function in the rabbit, Carvin M; Arger PH; Kundel HL; et al, JCAT 1987; 11: 488
aerosolized gadolinium-DTPA enhances the magnetic resonance signal of extravascular lung water, Montgomery AB; Paajanen H; Brasch RC; et al, Invest Radiol 1987; 22: 377
albumin labeled with Gd-DTPA: an intravascular contrast-enhancing agent for magnetic resonance blood pool imaging preparation and characterization, Ogan MD; Schmiedl U; Moseley ME; et al, Invest Radiol 1987; 22: 665
benefits of Gd-DTPA for MR imaging of intracranial abnormalities, Hesselink JR; Healy ME; Press GA; et al, JCAT 1988; 12: 266
brain distribution of MRI contrast media in rats after intracisternal injection, Allard M; Kien P; Caille JM; et al, J Neuroradiol 1987; 14: 383
central nervous system lesions in pediatric patients: Gd-DTPA-enhanced MR imaging, Powers TA; Partain CL; Kessler RM; Freeman MW; Robertson RH; Wyatt SH; Whelan HT, Radiology 1988; 169: 723
cervical neural foramina: correlative anatomic and MR imaging study, Czervionke LF; Daniels DL; Ho PSP; Yu S; Pech P; Strandt J; Williams AL; Haughton VM, Radiology 1988; 169: 753
comparison of initial biodistribution patterns of Gd-DTPA and albumin-(Gd-DTPA) using rapid spin echo MR imaging, Schmiedl U; Moseley ME; Ogan MD; et al, JCAT 1987; 11: 306
comparison of the contrast-enhancing properties of albumin-(Gd-DTPA) and Gd-DTPA at 2.0 T: an experimental study in rats, Schmiedl U; Ogan MD; Moseley ME; et al, AJR 1986; 147: 1263
considerations in the choice of contrast media for MR imaging, Brasch RC; Bennett HF, Radiology 1988; 166: 897
contrast enhanced magnetic resonance imaging of the brain using gadolinium-DTPA, Valk J; de Slechte RGM; Crezee FC; et al, Acta Radiol 1987; 28: 659
differentiation of reversible and irreversible myocardial injury by MR imaging with and without gadolinium-DTPA, McNamara MT; Tscholakoff D; Revel D; Soulen RL; Schechtman N; Botvinick EH; Higgins CB, Radiology 1986; 158: 765
dose administration of gadolinium-DTPA in MR imaging of intracranial tumors, Niendorf HP; Laniado M; Semmler W; et al, AJNR 1987; 8: 803
dynamic spin-echo MRI of liver cancer using gadolinium-DTPA: animal investigation, Saini S; Stark DD; Brady TJ; et al, AJR 1986; 147: 357
experimental acute pancreatitis: MR relaxation time studies using gadolinium-DTPA, Paajanen H; Brasch RC; Dean PB, Magn Res Med 1988; 6: 63
fast spin echo imaging with suspended respiration: gadolinium enhanced MR imaging of liver tumors, Mano I; Yoshida H; Nakabayashi K; et al, JCAT 1987; 11: 73

- gadolinium cryptates as MR contrast agents. Knop RH; Frank JA; Dwyer AJ; et al. *JCAT* 1987; 11: 35
- gadolinium-DTPA and MR imaging of pituitary adenoma: a preliminary report. Davis PC; Hoffman JC Jr; Malko JA; et al. *AJNR* 1987; 8: 817
- gadolinium-DTPA as a contrast agent in magnetic resonance imaging of the brain. Stack JP; Antoun NM; Jenkins JPR; et al. *Neuroradiol* 1988; 30: 145
- gadolinium-DTPA enhanced MR imaging of intramuscular abscesses. Paajanen H; Grodd W; Revel D; et al. *Magn Res Imag* 1987; 5: 109
- gadolinium-DTPA enhanced MR imaging of intravenous extension of adrenocortical carcinoma. Falke THM; Peetoom JJ; de Roos A; et al. *JCAT* 1988; 12: 331
- gadolinium-DTPA-enhanced MR imaging of spinal neoplasms: preliminary investigation and comparison with unenhanced spin-echo and STIR sequences. Stimac GK; Porter BA; Olson DO; et al. *AJNR* 1988; 9: 839
- gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging—preliminary clinical experience in five patients. Pettersson H; Eliasson J; Egund N; et al. *Skeletal Radiol* 1988; 17: 319
- gadolinium-DTPA enhancement of VX-2 carcinoma of the rabbit kidney on T1 weighted magnetic resonance images. Yancey JM; Ackerman N; Kaude JW; et al. *Acta Radiol* 1987; 28: 479
- gadolinium-DTPA in spinal disease. Sze G. *Radiol Clin North Am* 1988; 26: 1009
- gadolinium-DTPA in the assessment of liver tumours by magnetic resonance imaging. Carr DH; Graif M; Niendorf HP; et al. *Clin Radiol* 1986; 37: 347
- gadolinium-DTPA in the evaluation of intradural extramedullary spinal disease. Sze G; Abramson A; Krol G; et al. *AJNR* 1988; 9: 153
- gadolinium-labeled liposomes: targeted MR contrast agents for the liver and spleen. Kabalka G; Buonocore E; Hubner K; Moss T; Norley N; Huang L. *Radiology* 1987; 163: 255
- Gd-DOTA: characterization of a new paramagnetic complex. Bousquet J-C; Saini S; Stark DD; Hahn PF; Nigam M; Wittenberg J; Ferrucci JT Jr. *Radiology* 1988; 166: 693
- Gd-DTPA: clinical efficacy. Runge VM; Schaeuble TF; Goldstein HA; Wood ML; Haughton VM; Maravilla KR; Weinstein MA; Price AC; Wolpert SM; Kaufman DM. *Radiographics* 1988; 8: 147
- Gd-DTPA—enhanced MR imaging in pediatric patients after brain tumor resection. Bird CR; Drayer BP; Medina M; Rekeate HL; Flom RA; Hodak JA. *Radiology* 1988; 169: 123
- Gd-DTPA: future applications with advanced imaging techniques. Runge VM; Wood ML; Kaufman DM; Price AC. *Radiographics* 1988; 8: 161
- Gd-DTPA in clinical MR of the brain: 1. intraaxial lesions. Brant-Zawadzki M; Berry I; Osaki L; et al. *AJNR* 1986; 7: 781
- Gd-DTPA in clinical MR of the brain: 2. extraaxial lesions and normal structures. Brant-Zawadzki M; Berry I; Osaki L; et al. *AJNR* 1986; 7: 789
- Gd-DTPA in MR of spinal lesions. Valk J. *AJNR* 1988; 9: 345
- hepatic haemangioma: dynamic MRI using gadolinium-DTPA. Ohtomo K; Itai Y; Yoshikawa K; et al. *Eur J Radiol* 1987; 7: 257
- hepatobiliary magnetic resonance contrast agents assessed by gadolinium-153 scintigraphy. Engelstad BL; White DL; Huberty JP; et al. *Invest Radiol* 1987; 22: 232
- human brain infarcts: imaging by MR enhanced Gd-DTPA. Virapongse C; Mancuso AA; Quisling RC. *Radiology* 1986; 161: 785
- increased detection of intracranial metastases with intravenous Gd-DTPA. Healy ME; Hesselink JR; Press GA; Middleton MS. *Radiology* 1987; 165: 619
- intramedullary disease of the spine: diagnosis using gadolinium-DTPA-enhanced MR imaging. Sze G; Krol G; Zimmerman RD; et al. *AJNR* 1988; 9: 847
- intraparenchymal brain metastases: MR imaging versus contrast-enhanced CT. Sze G; Shin J; Krol G; Johnson C; Liu D; Deck MDF. *Radiology* 1988; 168: 187
- lumbar spine: postoperative MR imaging with Gd-DTPA. Huettel MG; Modic MT; Ross JS; Masaryk TJ; Carter JR; Wilber RG; Bohlman HH; Steinberg PM; Delamarter RB. *Radiology* 1988; 167: 817
- magnetic field dependence (NMRD profile) of 1/T1 of rabbit kidney medulla and urine after intravenous injection of Gd(DTPA). Koenig SH; Spiller M; Brown RD III; et al. *Invest Radiol* 1986; 21: 697
- magnetic resonance imaging in small lesions of the central nervous system: improvement by gadolinium-DTPA. Schroth G; Grodd W; Guhl L; et al. *Acta Radiol* 1987; 28: 667
- magnetic resonance imaging of acoustic neuromas: the role of gadolinium-DTPA. Stack JP; Ramsden RT; Antoun NM; et al. *Br J Radiol* 1988; 61: 800
- magnetic resonance imaging of human cerebral infarction: enhancement with Gd-DTPA. Imakita S; Nishimura T; Naito H; et al. *Neuroradiol* 1987; 29: 422
- magnetic resonance imaging of myocardial infarction using albumin-(Gd-DTPA), a macromolecular blood-volume contrast agent in a rat model. Schmiedl U; Moseley ME; Sievers R; et al. *Invest Radiol* 1987; 22: 713
- magnetic resonance imaging of the mini-pig heart: the effect of gadolinium-DTPA on normal myocardium. Williams CT; Stack JP; Loveday B; et al. *Br J Radiol* 1988; 61: 596
- meningeal carcinomatosis in the VX2 rabbit tumor model: detection with Gd-DTPA-enhanced MR imaging. Frank JA; Gorton ME; Dwyer AJ; Wright DC; Cohen PJ; Doppman JL. *Radiology* 1988; 167: 825
- MR contrast enhancement of intracranial lesions with Gd-DTPA. Hesselink JR; Press GA. *Radiol Clin North Am* 1988; 26: 873
- MR imaging of liver abscesses: application of Gd-DTPA. Schmiedl U; Paajanen H; Arakawa M; et al. *Magn Res Imag* 1988; 6: 9
- MR imaging of the breast using gadolinium-DTPA. Heywang SH; Hahn D; Schmidt H; et al. *JCAT* 1986; 10: 199
- MR imaging of the gastrointestinal tract: value of Gd-DTPA. Laniado M; Kornmesser W; Hamm B; et al. *AJR* 1988; 150: 817
- MR imaging of the oropharynx and tongue: comparison of plain and Gd-DTPA studies. Vogl T; Brünig R; Grevers G; et al. *JCAT* 1988; 12: 427
- MR imaging with Gd-DTPA in leptomeningeal spread of lymphoma. Berns DH; Blaser S; Ross JS; et al. *JCAT* 1988; 12: 499
- multiple cerebral metastases: detectability with Gd-DTPA-enhanced MR imaging. Russell EJ; Ceremnia GK; Johnson CE; Huckman MS; Ramsey RG; Washburn-Bleck J; Turner DA; Norusis M. *Radiology* 1987; 165: 609
- multiple sclerosis: gadolinium enhancement in MR imaging. Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH. *Radiology* 1986; 161: 721
- multiple sclerosis: serial study of gadolinium-enhanced MR imaging. Grossman RI; Brannan BH; Branson JR; Goldberg HI; Silberberg DH; Gonzalez-Scarano F. *Radiology* 1988; 169: 117
- neuroradiology. RSNA '87 meeting notes. Kieffer SA; Segall HD; Modic MT; Drayer BP. *Radiology* 1988; 166: 604
- NMR tomography for the visualization of the diffusion of Gd-DTPA in agar-gel and in brain tissue—in vitro studies. Holz M; Strecker EP; Weiss KH. *Eur J Radiol* 1987; 7: 137
- paramagnetic contrast enhancement at 0.02 T: an experimental study using Gd-DOTA in normal and hydronephrotic kidneys. Niemi P; Paajanen H; Mänttinen H; et al. *Magn Res Med* 1988; 7: 311
- pituitary adenomas in patients with Cushing disease: initial experience with Gd-DTPA-enhanced MR imaging. Dwyer AJ; Frank JA; Doppman JL; Oldfield EH; Hickey AM; Cutler GB Jr; Loriaux DL; Schiavone TF. *Radiology* 1987; 163: 421
- sensitivity of Gd-DTPA-enhanced MR imaging of benign extraaxial tumors. Haughton VM; Rimm AA; Czervonke LF; Breger RK; Fisher ME; Papke RA; Hendrix LE; Strother CM; Turaki PA; Williams AL; Daniels DL. *Radiology* 1988; 166: 829
- subcellular localization of gadolinium in the rat brain. Allard M; Kien P; Caille JM; et al. *J Neuroradiol* 1987; 14: 159
- time-dependent changes in image contrast in brain tumors after gadolinium-DTPA. Schorner W; Laniado M; Niendorf HP; et al. *AJNR* 1986; 7: 1013
- use of gadolinium-DTPA as a myocardial perfusion agent: potential applications and limitations for magnetic resonance imaging. Johnston DL; Liu P; Lauffer RB; et al. *J Nucl Med* 1987; 28: 871
- Galactoceles**
- galactoceles: three distinctive radiographic appearances. Gomez A; Mata JM; Donoso L; Rams A. *Radiology* 1986; 158: 43
- galactoceles: three distinctive radiographic appearances. Hall FM. *Radiology* 1986; 160: 852
- galactoceles: three distinctive radiographic appearances: reply. Gomez A; Mata JM; Donoso L; Rams A. *Radiology* 1986; 160: 853
- Gallbladder**
- See also Bile ducts
- agenesis of the right lobe of the liver. Radin DR; Colletti PM; Ralls PW; Boswell WD Jr; Halls JM. *Radiology* 1987; 164: 639
- endoscopic retrograde cholangiography with a balloon catheter: analysis of 100 consecutive cases. Yoshimoto H; Ikeda S; Tanaka M; Matsumoto S; Nakayama F. *Radiology* 1986; 159: 53
- Gallbladder, abnormalities**
- agenesis of the gallbladder: a rare cause for a false-positive hepatobiliary image. Warshaw DM; Sulzer JL. *Clin Nucl Med* 1988; 13: 468
- "bull's-eye" image of gallbladder volvulus. Wang GJ; Collin M; Crockett J; et al. *Clin Nucl Med* 1987; 12: 231
- CT diagnosis of gallbladder torsion. Merine D; Mezziane M; Fishman EK. *JCAT* 1987; 11: 712
- ectopic gallbladder: sonographic and scintigraphic diagnosis. McLoughlin MJ; Fanti JE; Kura ML. *JCU* 1987; 15: 258
- false-positive liver scan due to an intrahepatic gallbladder detected by cholecystigraphy. Velchik MG; Noel AW. *Clin Nucl Med* 1987; 12: 50
- gallbladder and bile duct abnormalities in AIDS: sonographic findings in eight patients. Romano AJ; vanSonnenberg E; Casola G; et al. *AJR* 1988; 150: 123
- gallbladder contraction in biliary atresia. Weinberger E; Blumhagen JD; Odell JM. *AJR* 1987; 149: 401
- hepatic inversion with an epigastric gallbladder. Hopper KD. *Gastrointest Radiol* 1988; 13: 355
- interposition of the gallbladder—or the absent common hepatic duct and cystic duct. Stringer DA; Dobranski J; Ein SH; et al. *Pediatr Radiol* 1987; 17: 151
- inversion of gallbladder secondary to traumatic herniation of liver: CT findings. Leekam RN; Ilves R; Shankar L. *JCAT* 1987; 11: 163
- multiseptate gallbladder: incidental diagnosis on sonography. Lev-Toaff AS; Friedman AC; Rindsberg SN; et al. *AJR* 1987; 148: 1119
- percutaneous cholecystostomy of an ectopic gallbladder. Feldman L; Vento L. *Gastrointest Radiol* 1988; 13: 256
- sonographic and scintigraphic evaluation of gallbladder duplication. McDonald KL; Lwin T. *Clin Nucl Med* 1986; 11: 692
- Gallbladder, angiography**
- acute cholecystitis: diagnosis with radionuclide angiography. Colletti PM; Ralls PW; Siegel ME; Halls JM. *Radiology* 1987; 163: 615
- angiographic findings in two carcinoid tumors of the gallbladder. Kitagawa K; Takashima T; Matsui O; et al. *Gastrointest Radiol* 1986; 11: 51

Gallbladder, calculi

- advances in hepatobiliary radiology, Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ, Radiology 1988; 168: 319
- bile, bile acids, and gallstones: will new knowledge bring new power?, Hofmann AF, AJR 1988; 151: 5
- biliary lithiasis in Dar Es Salaam, Ndosi BN, Australas Radiol 1987; 31: 292
- biliary lithotripsy: what will the issues be?, Ferrucci JT Jr, AJR 1987; 149: 227
- calcified gallstone fissures: reversed Mercedes Benz sign, Strijk SP, Gastrointest Radiol 1987; 12: 152
- can the newer interventional procedures replace cholecystectomy for the potential role of percutaneous cystic duct ablation, Becker GJ; Kopecky KK, Radiology 1988; 167: 275
- cholelithiasis: evaluation with CT, Barakos JA; Ralls PW; Lapin SA; Johnson MB; Radin DR; Colletti PM; Boswell WD Jr; Halls JM, Radiology 1987; 162: 415
- cholelithiasis in the morbidly obese: diagnosis by US and oral cholecystography, Klingensmith WC III; Eckhout GV, Radiology 1986; 160: 27
- combined surgical and radiologic intervention for complicated cholelithiasis in high-risk patients, Gibney RG; Fache JS; Becker CD; Nichols DM; Cooperberg PL; Stoller JL; Burhenne HJ, Radiology 1987; 165: 715
- common pancreaticobiliary channels and their relationship to gallstone size in gallstone pancreatitis, (ab), Jones BA; Salsberg BB; Bohnen JM; et al, Radiology 1987; 164: 588
- diagnostic and therapeutic percutaneous gallbladder procedures, vanSonnenberg E; Wittich GR; Casola G; Princenthal RA; Hofmann AF; Keightley A; Wing VW, Radiology 1986; 160: 23
- dissolution of cholesterol gallstones: comparison of solvents, Lee LL; McCahan JP, Gastrointest Radiol 1986; 11: 169
- dissolution of gallstones using cholecystostomy tube in the pig, McCahan JP; Lee LL; Tesluk H; et al, Invest Radiol 1987; 22: 201
- fetal gallstones, Klingensmith WC III; Cioffi-Ragan DT, Radiology 1988; 167: 143
- floating gallstones in bile without added contrast material, Yeh H-C; Goodman JD; Rabinowitz JG, AJR 1986; 146: 49
- gallbladder and bile duct stones: percutaneous therapy with primary MTBE dissolution and mechanical methods, vanSonnenberg E; Casola G; Zakko SF; Varney RR; Cox J; Wittich GR; Hofmann AF, Radiology 1988; 169: 505
- gallstone dissolution with methyl-tert-butyl ether via percutaneous cholecystostomy: success and caveats, vanSonnenberg E; Hofmann AF; Neoptolemos J; et al, AJR 1986; 146: 865
- gallstone ESWL—the first 175 patients, Ferrucci JT, AJR 1988; 150: 1231
- gallstone ileus diagnosed by computed tomography, Grumbach K; Levine MS; Wexler JA, JCAT 1986; 10: 146
- gallstone lithotripsy: a preview, Ferrucci JT, Radiology 1988; 168: 333
- gallstones simulating polyps sonographically: report of two cases, Machi J; Iwanaga D; Tanaka M; et al, J Ultrasound Med 1986; 5: 597
- gas-containing gallstones: the sonographic "double echo sign", Mitchell DG; Needleman L; Frauenhoffer S; et al, J Ultrasound Med 1988; 7: 39
- hepatobiliary imaging in choledocholithiasis: comparison with ultrasound, Colletti PM; Ralls PW; Lapin SA; et al, Clin Nucl Med 1986; 11: 482
- horizons in gallstone therapy—1988, vanSonnenberg E; Hofmann AF, AJR 1988; 150: 43
- imaging of the gallbladder, 1987, Cooperberg PL; Gibney RG, Radiology 1987; 163: 605
- importance of appropriate frequency selection in sonographic gallstone detection, Colhoun EN; Fitzgerald EJ; McKnight L, Br J Radiol 1987; 60: 645
- incidence of cholelithiasis among patients with cirrhosis and portal hypertension, Steinberg HV; Beckett WW; Chazmar JL; et al, Gastrointest Radiol 1988; 13: 347

- interventional cholelithotomy as an alternative to cholecystectomy with or without the surgeon?, Burhenne HJ, Invest Radiol 1986; 21: 594
- long-term occlusion of the porcine cystic duct by means of endoluminal radio-frequency electrocoagulation, Becker CD; Quenville NF; Burhenne HJ, Radiology 1988; 167: 63
- nephrolithiasis and cholelithiasis in a premature infant, Ramey SL; Williams JL, JCU 1986; 14: 203
- percutaneous cholecystostomy: anatomic considerations, Warren LP; Kadir S; Dunnick NR, Radiology 1988; 168: 615
- percutaneous removal of large gallstones, Laffey KJ; Martin EC, Gastrointest Radiol 1986; 11: 165
- promise of extracorporeal shock-wave lithotripsy for the treatment of gallstones, Burhenne HJ, AJR 1987; 149: 233
- small bowel masses due to gallstones: report of two cases, English RE; MacGuire MH; Guyer PB, Clin Radiol 1986; 37: 153
- solvent dissolution of gallstones, May GR, Radiology 1988; 168: 331
- sonographic evaluation of resting gallbladder volume and postprandial emptying in patients with gallstones, Kishk SMA; Darweesh RMA; Dodds WJ; et al, AJR 1987; 148: 875
- sonography of Bouveret's syndrome, Maglente DDT; Lappas JC; Ng AC, J Ultrasound Med 1987; 6: 675
- sonography of gallstones and biliary dilatation without a visible aetiology: the infrequency of obstructing choledocholithiasis, Cabrera O; vanSonnenberg E; Wittich GR; et al, Eur J Radiol 1988; 8: 34
- spontaneous resolution of gallstones in infants: role of hypocaloric oral feeding, Math MV, Radiology 1988; 169: 283
- suction device for evacuation of gallbladder stones, Burhenne HJ; Fache JS; Gibney RG; et al, J Canad Assoc Radiol 1987; 38: 190
- ultrasonic features of an unusual cholesterol gallstone, Slomic AM; Ferguson C, J Canad Assoc Radiol 1988; 39: 155
- ultrasound evaluation of cholelithiasis in the morbidly obese, Slidker MS; Cronan JJ; Scola FH; et al, Gastrointest Radiol 1988; 13: 345
- unusual presentation of cholelithiasis on T1-weighted MR imaging, Moers PM; Julian S; Karstaedt N; et al, JCAT 1988; 12: 150
- value of sonographic screening for gallstones in patients with chest pain and normal coronary arteries, Fein AB; Rauch RF II; Bowie JD; et al, AJR 1986; 146: 337
- Gallbladder, CT**
- avulsed gallbladder: CT appearance, Ball DS; Friedman AC; Radecki PD; et al, JCAT 1988; 12: 538
- cholelithiasis: evaluation with CT, Barakos JA; Ralls PW; Lapin SA; Johnson MB; Radin DR; Colletti PM; Boswell WD Jr; Halls JM, Radiology 1987; 162: 415
- computed tomography as the method of choice in the diagnosis of emphysematous cholecystitis, Andreu J; Perez C; Caceres J; et al, Gastrointest Radiol 1987; 12: 315
- computed tomography of blunt trauma to the gallbladder, Jeffrey RB Jr; Federle MP; Laing FC; et al, JCAT 1986; 10: 756
- computed tomography of complicated cholecystitis, Lamki N; Raval B; St. Ville E, CT 1986; 10: 319
- computed tomography of gangrenous acute postoperative calculous cholecystitis, Varma DGK; Faust JM, CT 1988; 12: 29
- computed tomography of thick-walled gallbladder mimicking pericholecystic fluid, Goldstein RB; Wing VW; Laing FC; et al, JCAT 1986; 10: 55
- computed tomography of xanthogranulomatous cholecystitis, Cossi AF; Scholz FJ; Aretz HT; et al, Gastrointest Radiol 1987; 12: 154
- CT diagnosis of acalculous cholecystitis, Mirvis SE; Whitley NO; Miller JW, JCAT 1987; 11: 83

- CT diagnosis of gallbladder torsion, Merline D; Meziane M; Fishman EK, JCAT 1987; 11: 712
- CT findings in lipomatosis of the gallbladder, Miyake H; Takeda H; Mori H; et al, JCAT 1987; 11: 165
- diagnosis of acute acalculous cholecystitis: comparison of sonography, scintigraphy, and CT, Mirvis SE; Vainright JR; Nelson AW; et al, AJR 1986; 147: 1171
- false-positive CT diagnosis of gallstones due to thickening of the gallbladder wall, Middleton WD; Thorsen MK; Lawson TL; et al, AJR 1987; 149: 941
- intraluminal papillary carcinoma of the gallbladder: prognostic value of computed tomography and sonography, Araki T; Hihara T; Karikomi M; et al, Gastrointest Radiol 1988; 13: 261
- inversion of gallbladder secondary to traumatic herniation of liver: CT findings, Leekam RN; Ilves R; Shankar L, JCAT 1987; 11: 163
- percutaneous cholecystostomy: anatomic considerations, Warren LP; Kadir S; Dunnick NR, Radiology 1988; 168: 615
- torsion of the gallbladder: findings on CT and sonography and role of percutaneous cholecystostomy, Quinn SF; Fazzio F; Jones E, AJR 1987; 148: 881
- Gallbladder, diseases**
- adenomyomatosis of the gallbladder, Costa-Greco MA, JCU 1987; 15: 198
- adenomyomatosis of the gallbladder: pictorial exhibit, Kidney M; Goiney R; Cooperberg PL, J Ultrasound Med 1986; 5: 331
- cholecystitis: detection with MR imaging, McCarthy SM; Hricak H; Cohen M; Fisher MR; Winkler ML; Filly RA; Margulis AR, Radiology 1986; 158: 333
- chronic acalculous gallbladder disease: multimaging evaluation with clinical-pathologic correlation, Raptopoulos V; Compton CC; Doherty P; et al, AJR 1986; 147: 721
- CT findings in lipomatosis of the gallbladder, Miyake H; Takeda H; Mori H; et al, JCAT 1987; 11: 165
- differential gallbladder contractility in fundal adenomyomatosis: demonstration by cholecystokinetic cholecystography, Swayne LC; Heitner D; Rubenstein JB; et al, J Nucl Med 1987; 28: 1771
- diverticular disease (adenomyomatosis) of the gallbladder: radiological-pathological survey, Williams I; Slavin G; Cox A; et al, Br J Radiol 1986; 59: 29
- fatty meal provocation monitored by ultrasonography: a method to diagnose ambiguous gallbladder disease, Hederström E; Forsberg L; Herlin P; et al, Acta Radiol 1988; 29: 207
- gallbladder disease in patients with primary sclerosing cholangitis, Brandt DJ; MacCarty RL; Charboneau JW; et al, AJR 1988; 150: 571
- hepatobiliary complications of inflammatory bowel disease, Williams SM; Harned RK, Radiol Clin North Am 1987; 25: 175
- imaging of the gallbladder, 1987, Cooperberg PL; Gibney RG, Radiology 1987; 163: 605
- total parenteral nutrition (TPN) and gallbladder diseases in neonates: sonographic assessment, Matos C; Avni EF; Van Gansbeke D; et al, J Ultrasound Med 1987; 6: 243
- ultrasound diagnosis of adenomyomatosis of the gallbladder: ultrasonic and pathological correlation, Fowler RC; Reid WA, Clin Radiol 1988; 39: 402
- Gallbladder, enlarged**
- hydrops of the gallbladder in typhoid fever as demonstrated by sonography, Cohen EK; Stringer DA; Smith CK; et al, JCU 1986; 14: 633
- percutaneous cholecystography in children, Garel LA; Belli D; Grognon A; Roy CC, Radiology 1987; 165: 639
- transient gallbladder distention in sick premature infants: value of ultrasonography and radionuclide scintigraphy, El-Shafie M; Mah CL, Pediatr Radiol 1986; 16: 468
- Gallbladder, function**
- gallbladder function in diabetic patients, Shreiner DP; Sarva RP; Van Thiel D; et al, J Nucl Med 1986; 27: 357
- model for the comparison of pharmacologic agents influencing gallbladder contraction, Schlauch D; Gladisch R; Elfinger R; et al, J Ultrasound Med 1988; 7: 15

Gallbladder, infarction

- acute calculous cholecystitis: sensitivity in detection using technetium-99m iminodiacetic acid cholescintigraphy, Swayne LC, Radiology 1986; 160: 33
- gallbladder infarction: radiographic mimic of emphysematous cholecystitis, (ab), Loughran CF; Thind CR, Radiology 1986; 158: 567

Gallbladder, inflammation

See Cholecystitis

Gallbladder, injuries

- avulsed gallbladder: CT appearance, Ball DS; Friedman AC; Radecki PD; et al, JCAT 1988; 12: 538
- computed tomography of blunt trauma to the gallbladder, Jeffrey RB Jr; Federle MP; Laing FC; et al, JCAT 1986; 10: 756

Gallbladder, interventional procedure

- acute cholecystitis: diagnostic accuracy of percutaneous aspiration of the gallbladder, McGahan JP; Lindfors KK, Radiology 1988; 167: 669
- advances in hepatobiliary radiology, Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ, Radiology 1988; 168: 319
- antegrade transcholecystic sphincterotomy: canine study of a new interventional technique, Burhenne HJ; Scudamore CH, Gastrointest Radiol 1986; 11: 73
- can the newer interventional procedures replace cholecystectomy for cholelithiasis? the potential role of percutaneous cystic duct ablation, Becker GJ; Kopecky KK, Radiology 1988; 167: 275
- diagnostic and therapeutic percutaneous gallbladder procedures, vanSonnenberg E; Wittich GR; Casola G; Princenthal RA; Hofmann AF; Keightley A; Wing VW, Radiology 1986; 160: 25
- dissolution of gallstones using cholecystostomy tube in the pig, McGahan JP; Lee LL; Tesluk H; et al, Invest Radiol 1987; 22: 201
- gallbladder and bile duct stones: percutaneous therapy with primary MTBE dissolution and mechanical methods, vanSonnenberg E; Casola G; Zakko SF; Varney RR; Cox J; Wittich GR; Hofmann AF, Radiology 1988; 169: 505
- gallstone dissolution with methyl-tert-butyl ether via percutaneous cholecystostomy: success and caveats, vanSonnenberg E; Hofmann AF; Neoptolemos J; et al, AJR 1986; 146: 865
- horizons in gallstone therapy—1988, vanSonnenberg E; Hofmann AF, AJR 1988; 150: 43
- imaging of the gallbladder, 1987, Cooperberg PL; Gibney RG, Radiology 1987; 163: 605
- new catheter design for percutaneous cholecystostomy, McGahan JP, Radiology 1988; 166: 49
- percutaneous cholecystostomy: anatomic considerations, Warren LP; Kadir S; Dunnick NR, Radiology 1988; 168: 615
- percutaneous cholecystostomy: diagnostic and therapeutic efficacy, Vogelzang RL; Nemcek AA Jr, Radiology 1988; 168: 29
- percutaneous cholecystostomy of an ectopic gallbladder, Feldman L; Venta L, Gastrointest Radiol 1988; 13: 256
- solvent dissolution of gallstones, May GR, Radiology 1988; 168: 331
- suction device for evacuation of gallbladder stones, Burhenne HJ; Fache JS; Gibney RG; et al, J Canad Assoc Radiol 1987; 38: 190
- torsion of the gallbladder: findings on CT and sonography and role of percutaneous cholecystostomy, Quinn SF; Fazzio F; Jones E, AJR 1987; 148: 881
- treatment of acute cholangitis: percutaneous transhepatic biliary drainage before definitive therapy, (ab), Pessa ME; Hawkins IF; Vogel SB, Radiology 1987; 164: 881
- ultrasonically and fluoroscopically guided therapeutic percutaneous catheter drainage of the gallbladder, Larsen TB; Göthlin JH; Jensen D; et al, Gastrointest Radiol 1988; 13: 37
- ultrasound-guided percutaneous transhepatic cholecystostomy for acute calculous cholecystitis, (ab), Eggermont AM; Lameris JS; Jeekel J, Radiology 1986; 159: 570

Gallbladder, MR studies

- alterations in MR relaxation of normal canine gallbladder bile during fasting, Kang YS; Pope CF; Gore JC, Magn Res Imag 1986; 4: 399
- cholecystitis: detection with MR imaging, McCarthy SM; Hricak H; Cohen M; Fisher MR; Winkler ML; Filly RA; Margulis AR, Radiology 1986; 158: 333
- cholecystitis: diagnosis by MR imaging, Weissleder R; Stark DD; Compton CC; et al, Magn Res Imag 1988; 6: 345
- high-field MRI of primary gallbladder carcinoma, Wilbur AC; Gyi B; Renigers SA, Gastrointest Radiol 1988; 13: 142
- MR imaging of gallbladder carcinoma, Rossmann MD; Friedman AC; Radecki PD; et al, AJR 1987; 148: 143
- sodium imaging of human body organs and extremities in vivo, Granot J, Radiology 1988; 167: 547
- unusual presentation of cholelithiasis on T1-weighted MR imaging, Moers PM; Julian S; Karstaedt N; et al, JCAT 1988; 12: 150

Gallbladder, necrosis

- acute calculous cholecystitis: sensitivity in detection using technetium-99m iminodiacetic acid cholescintigraphy, Swayne LC, Radiology 1986; 160: 33

Gallbladder, neoplasms

- angiographic findings in two carcinoid tumors of the gallbladder, Kitagawa K; Takashima T; Matsui O; et al, Gastrointest Radiol 1986; 11: 51
- cholescintigraphy in gallbladder carcinoma, Colletti PM; Ralls FW; Siegel ME; et al, Clin Nucl Med 1986; 11: 270
- gallbladder carcinoma in association with polyposis coli, Willson SA; Princenthal RA; Law B; et al, Br J Radiol 1987; 60: 771
- high-field MRI of primary gallbladder carcinoma, Wilbur AC; Gyi B; Renigers SA, Gastrointest Radiol 1988; 13: 142
- imaging of the gallbladder, 1987, Cooperberg PL; Gibney RG, Radiology 1987; 163: 605
- intraluminal papillary carcinoma of the gallbladder: prognostic value of computed tomography and sonography, Araki T; Hihara T; Karikomi M; et al, Gastrointest Radiol 1988; 13: 261
- MR imaging of gallbladder carcinoma, Rossmann MD; Friedman AC; Radecki PD; et al, AJR 1987; 148: 143
- ultrasonography in carcinoma of the gallbladder, Soiva M; Aro K; Pamilo M; et al, Acta Radiol 1987; 28: 711
- ultrasonography in carcinoma of the gallbladder: diagnostic difficulties and pitfalls, Hedenström E; Forsberg L, Acta Radiol 1987; 28: 715

Gallbladder, obstruction

See Gallbladder, stenosis or obstruction

Gallbladder, percutaneous drainage

See Gallbladder, interventional procedure

Gallbladder, perforation

- acute calculous cholecystitis: sensitivity in detection using technetium-99m iminodiacetic acid cholescintigraphy, Swayne LC, Radiology 1986; 160: 33
- gallbladder perforation: diagnostic utility of cholecintigraphy in suggested subacute or chronic cases, Smith R; Rosen JM; Alderson PO, Radiology 1986; 158: 63
- sonographic evaluation of pericholecystic abscess with intrahepatic extension, Teeffey SA; Wechter DG, J Ultrasound Med 1987; 6: 659
- sonography of gallbladder perforation: complication of transcatheter hepatic arterial embolization, Sata T; Higashi Y; Ono Y, J Ultrasound Med 1986; 5: 715
- ultrasonography and gallbladder perforation in acute cholecystitis, Forsberg L; Andersson R; Hedenström E; et al, Acta Radiol 1988; 29: 203
- ultrasonography in acute gallbladder perforation, Soiva M; Pamilo M; Pääväsalo M; et al, Acta Radiol 1988; 29: 41
- ultrasound diagnosis of perforation of the gallbladder: real-time application and the demonstration of a new sonographic sign, Chau W-K; Na A-T; Feng T-T; et al, JCU 1988; 16: 358

Gallbladder, radiography

- cholelithiasis in the morbidly obese: diagnosis by US and oral cholecystography, Klingensmith WC III; Eckhout GV, Radiology 1986; 160: 27
- common bile duct obstruction: assessment by transcholecystic cholangiography, Teplick SK; Haskin PH; Sammon JK; Clearfield HR; Borowsky LM; Gambesia RA; Zitomer N; Goldstein RC, Radiology 1986; 161: 135
- is oral cholecystography still useful?, Amberg JR; Leopold GR, AJR 1988; 151: 73
- oral cholecystography vs gallbladder sonography: a prospective, blinded reappraisal, Gelfand DW; Wolfman NT; Ott DJ; et al, AJR 1988; 151: 69
- rational approach to the investigation of the gallbladder, Watson PG; Wild SR, Br J Radiol 1986; 59: 471
- Gallbladder, radionuclide studies**
- acute calculous cholecystitis: sensitivity in detection using technetium-99m iminodiacetic acid cholescintigraphy, Swayne LC, Radiology 1986; 160: 33
- acute cholecystitis: diagnosis with radionuclide angiography, Colletti PM; Ralls FW; Siegel ME; Halls JM, Radiology 1987; 163: 615
- agenesis of the gallbladder: a rare cause for a false-positive hepatobiliary image, Wanshauer DM; Sulzer JL, Clin Nucl Med 1988; 13: 468
- biliary obstruction after cholecystectomy: diagnosis with quantitative cholecintigraphy, Kloiber R; AuCoin R; Hershfield NB; Logan K; Molnar CP; Blair KM; Shaffer EA, Radiology 1988; 169: 643
- "bull's-eye" image of gallbladder volvulus, Wang GJ; Collin M; Cronsett J; et al, Clin Nucl Med 1987; 12: 231
- cholescintigraphic detection of intraperitoneal bile leakage from a perforated duodenal ulcer, Westley KA; Straub WH; Keyes JW Jr, Clin Nucl Med 1987; 12: 781
- cholescintigraphic pattern of small bowel obstruction, Tobin M; Velchik MG; Powe J; et al, Clin Nucl Med 1987; 12: 223
- cholescintigraphy in gallbladder carcinoma, Colletti PM; Ralls FW; Siegel ME; et al, Clin Nucl Med 1986; 11: 270
- clinical efficacy of intravenous morphine administration in hepatobiliary imaging for acute cholecystitis, Vasquez TE; Greenspan G; Evans DG; et al, Clin Nucl Med 1988; 13: 4
- diagnosis of acute calculous cholecystitis: comparison of sonography, scintigraphy, and CT, Mirvis SE; Vainright JR; Nelson AW; et al, AJR 1986; 147: 1171
- differential gallbladder contractility in fundal adenomyomatosis: demonstration by cholecystokinetic cholecintigraphy, Swayne LC; Heitner D; Rubenstein JB; et al, J Nucl Med 1987; 28: 1771
- disorders of gallbladder function related to duodenogastric reflux in technetium-99m DISIDA hepatobiliary scintigraphy, Shih W-J; Coupal JJ; Domstad PA; et al, Clin Nucl Med 1987; 12: 857
- does positive hepatobiliary scan in cholecystitis stay positive, and for how long?, Liu J; Mena I; McCartney S, Clin Nucl Med 1986; 11: 694
- dynamic hepatobiliary SPECT: a method for tomography of a changing radioactivity distribution, Oppenheim BE; Krephaw JD, J Nucl Med 1988; 29: 98
- ectopic gallbladder: sonographic and scintigraphic diagnosis, McLoughlin MJ; Fanti JE; Kura ML, JCU 1987; 15: 258
- effect of prolonged fasting and total parenteral nutrition on hepatobiliary imaging with technetium-99m DISIDA, Sipko WC; Moreno AJ; Cabellon S; et al, Clin Nucl Med 1987; 12: 169
- false-positive hepatobiliary scan in a patient with cystic fibrosis, Lane JI; Sacka D; Winn RS; et al, Clin Nucl Med 1988; 13: 331
- false-positive liver scan due to an intrahepatic gallbladder detected by cholecintigraphy, Velchik MG; Noel AW, Clin Nucl Med 1987; 12: 50
- gallbladder function in diabetic patients, Shreiner DP; Sarva RP; Van Thiel D; et al, J Nucl Med 1986; 27: 357

- gallbladder perforation: diagnostic utility of cholecystigraphy in suggested subacute or chronic cases, Smith R; Rosen JM; Alderson PO, *Radiology* 1986; 158: 63
 - gallbladder simulating renal fracture during technetium-99m glucoheptate evaluation for renal trauma, Alexieva-Jackson B; Fetters DV; Cole RL; et al, *Clin Nucl Med* 1986; 11: 363
 - gallbladder visualization after hepatic washout, Drane WE, *Clin Nucl Med* 1987; 12: 453
 - gallbladder visualization during technetium-99m RBC blood pool imaging: case report and literature review, Kotlyarov EV; Mattay VS; Reba RC, *Clin Nucl Med* 1988; 13: 515
 - gallbladder visualization on a technetium-99m MDP bone scan, Lisann NM; Palestro CJ; Novich IS; et al, *Clin Nucl Med* 1986; 11: 57
 - gallbladder visualization on hepatic artery perfusion scintigraphy, Wallis JW; Gubin B; Andrews JC; et al, *Clin Nucl Med* 1987; 12: 405
 - "halo" sign on indium-111 leukocyte scan in gangrenous cholecystitis, Bauman JM; Boykin M; Harthorne MF; et al, *Clin Nucl Med* 1986; 11: 136
 - hepatic amebic abscess: cholecystographic rim enhancement, Remedios PA; Colletti PM; Ralls PW, *Radiology* 1986; 160: 395
 - hepatobiliary imaging and the use of intravenous morphine, Keslar PJ; Turbner EH, *Clin Nucl Med* 1987; 12: 592
 - hepatobiliary imaging in choledocholithiasis: comparison with ultrasound, Colletti PM; Ralls PW; Lapin SA; et al, *Clin Nucl Med* 1986; 11: 482
 - morphine-augmented cholecystigraphy in the diagnosis of acute cholecystitis, Kim EE; Pura GA; Lowry PA; et al, *AJR* 1986; 147: 1177
 - pericholecystic hepatic activity sign in a normal DISIDA study: case report, Thorstad BL; Sakow N; Dubovsky EV; et al, *Clin Nucl Med* 1987; 12: 721
 - phantom gallbladder: variant of the rim sign, Arose B; Shreeve WW; Baim RS; et al, *Clin Nucl Med* 1987; 12: 457
 - prognostic value and pathophysiologic significance of the rim sign in cholecystography, Meekin GK; Ziessman HA; Klappenbach RS, *J Nucl Med* 1987; 28: 1679
 - rim sign: association with acute cholecystitis, Bushnell DL; Perlman SB; Wilson MA; et al, *J Nucl Med* 1986; 27: 353
 - scintigraphic findings in acute gangrenous cholecystitis, Shih W-J; Domstad PA; Kenady DE; et al, *Clin Nucl Med* 1987; 12: 717
 - sonographic and scintigraphic evaluation of gallbladder duplication, McDonald KL; Lwin T, *Clin Nucl Med* 1986; 11: 692
 - transient gallbladder distention in sick premature infants: value of ultrasonography and radionuclide scintigraphy, El-Shafie M; Mah CL, *Pediatr Radiol* 1986; 16: 468
 - visualization of a recanalized umbilical vein on Tc-99m disofenin cholecystigraphy, Warshaw D; Soldano L, *Clin Nucl Med* 1988; 13: 621
- ## Gallbladder, stenosis or obstruction
- cystic duct occlusion and transcatheter sclerosis of the gallbladder in the rabbit, Getrajdman GI; O'Toole K; Laffey KJ; et al, *Invest Radiol* 1986; 21: 400
 - systemic absorption of gallbladder sclerosing agents in the rabbit: preliminary study, Remley KB; Cumberley DA; Watanabe AS; et al, *Invest Radiol* 1986; 21: 396
- ## Gallbladder, surgery
- can the newer interventional procedures replace cholecystectomy for cholecystolithiasis? the potential role of percutaneous cystic duct ablation, Becker GJ; Kopecky KK, *Radiology* 1988; 167: 275
 - incidence of sub-hepatic collections after cholecystectomy, Chatterton BE; Boucaut H; Wilson CG, *Australas Radiol* 1986; 30: 30
 - interventional cholelithotomy as an alternative to cholecystectomy with or without the surgeon?, Burhenne HJ, *Invest Radiol* 1986; 21: 594
 - single-dose antibiotic prophylaxis for biliary surgery: cefazolin vs. moxalactam, (ab), Kellum JM; Duma RJ; Gorbach SL; et al, *Radiology* 1988; 166: 591
- ## Gallbladder, US studies
- adenomyomatosis of the gallbladder, Costa-Greco MA, *JCU* 1987; 15: 198
 - cholelithiasis in the morbidly obese: diagnosis by US and oral cholecystography, Klingensmith WC III; Eckhout GV, *Radiology* 1986; 160: 27
 - combined surgical and radiologic intervention for complicated cholelithiasis in high-risk patients, Gibney RG; Fache JS; Becker CD; Nichols DM; Cooperberg PL; Stoller JL; Burhenne HJ, *Radiology* 1987; 165: 715
 - diagnosis of acute acalculous cholecystitis: comparison of sonography, scintigraphy, and CT, Mirvis SE; Vainright JR; Nelson AW; et al, *AJR* 1986; 147: 1171
 - diagnostic accuracy of ultrasound in acute cholecystitis, Martinez A; Bona X; Velasco M; et al, *Gastrointest Radiol* 1986; 11: 334
 - ectopic gallbladder: sonographic and scintigraphic diagnosis, McLoughlin MJ; Fanti JE; Kura ML, *JCU* 1987; 15: 258
 - effervescent gallbladder: a sonographic sign of emphysematous cholecystitis, Nemcek AA Jr; Gore RM; Vogelzang RL; et al, *AJR* 1988; 150: 575
 - evaluation of the prone view for cholecystosonography, Parulekar SG, *J Ultrasound Med* 1986; 5: 617
 - false negative sonographic finding in emphysematous cholecystitis, Hawass ND, *Acta Radiol* 1988; 29: 137
 - fatty meal provocation monitored by ultrasonography: a method to diagnose ambiguous gallbladder disease, Hederström E; Forsberg L; Herlin P; et al, *Acta Radiol* 1988; 29: 207
 - fetal gallstones, Klingensmith WC III; Cioffi-Ragan DT, *Radiology* 1988; 167: 143
 - gallbladder wall thickening: frequent finding in various nonbiliary disorders—prospective ultrasonographic study, Wegener M; Borsch G; Schneider J; et al, *JCU* 1987; 15: 307
 - gallstones simulating polyps sonographically: report of two cases, Machi J; Iwanaga D; Tanaka M; et al, *J Ultrasound Med* 1986; 5: 597
 - gas-containing gallstones: the sonographic "double echo sign", Mitchell DG; Needleman L; Frauenhoffer S; et al, *J Ultrasound Med* 1987; 6: 39
 - hemorrhagic cholecystitis: sonographic appearance and clinical presentation, Chinn DH; Miller EI; Piper N, *J Ultrasound Med* 1987; 6: 313
 - hepatobiliary imaging in choledocholithiasis: comparison with ultrasound, Colletti PM; Ralls PW; Lapin SA; et al, *Clin Nucl Med* 1986; 11: 482
 - imaging of the gallbladder, 1987, Cooperberg PL; Gibney RG, *Radiology* 1987; 163: 605
 - importance of appropriate frequency selection in sonographic gallstone detection, Colhoun EN; Fitzgerald EJ; McKnight L, *Br J Radiol* 1987; 60: 645
 - incidental findings on gallbladder sonography, Thompson GT, *J Canad Assoc Radiol* 1987; 38: 40
 - intraluminal papillary carcinoma of the gallbladder: prognostic value of computed tomography and sonography, Araki T; Hihara T; Karikomi M; et al, *Gastrointest Radiol* 1988; 13: 261
 - multiseptate gallbladder: incidental diagnosis on sonography, Lev-Toaff AS; Friedman AC; Rindsberg SN; et al, *AJR* 1987; 148: 1119
 - new catheter design for percutaneous cholecystostomy, McGahan JP, *Radiology* 1988; 166: 49
 - oral cholecystography vs gallbladder sonography: a prospective, blinded reappraisal, Gelfand DW; Wolfman NT; Ott DJ; et al, *AJR* 1988; 151: 69
 - percutaneous cholecystostomy in children, Garel LA; Belli D; Grognon A; Roy CC, *Radiology* 1987; 165: 639
 - rational approach to the investigation of the gallbladder, Watson PG; Wild SR, *Br J Radiol* 1986; 59: 471
 - sonographic and scintigraphic evaluation of gallbladder duplication, McDonald KL; Lwin T, *Clin Nucl Med* 1986; 11: 692
 - sonographic evaluation of resting gallbladder volume and postprandial emptying in patients with gallstones, Kishk SMA; Darweesh RMA; Dodds WJ; et al, *AJR* 1987; 148: 875
 - sonographic features of milk of calcium cholecystitis, Childress MH, *JCU* 1986; 14: 312
 - sonography of gallbladder perforation: complication of transcatheter hepatic arterial embolization, Sata T; Higashi Y; Ono Y, *J Ultrasound Med* 1986; 5: 715
 - spontaneous resolution of gallstones in infants: role of hypocaloric oral feeding, Math MV, *Radiology* 1988; 169: 283
 - striated intramural gallbladder lucencies on US studies: predictors of acute cholecystitis, Cohan RH; Mahony BS; Bowie JD; Cooper C; Baker ME; Illescas FF, *Radiology* 1987; 164: 31
 - thickness of the gallbladder wall in patients with hyponatremia: a sonographic study of patients on peritoneal dialysis, Kalfort JK; Pery M; Green J; et al, *AJR* 1987; 148: 1117
 - torsion of the gallbladder: findings on CT and sonography and role of percutaneous cholecystostomy, Quinn SF; Fazzio F; Jones E, *AJR* 1987; 148: 881
 - transient gallbladder distention in sick premature infants: value of ultrasonography and radionuclide scintigraphy, El-Shafie M; Mah CL, *Pediatr Radiol* 1986; 16: 468
 - ultrasonic features of an unusual cholesterol gallstone, Slomic AM; Ferguson C, *J Canad Assoc Radiol* 1988; 39: 155
 - ultrasonography and gallbladder perforation in acute cholecystitis, Forsberg L; Andersson R; Hederström E; et al, *Acta Radiol* 1988; 29: 203
 - ultrasonography in acute gallbladder perforation, Soiva M; Pamilo M; Pääväsalo M; et al, *Acta Radiol* 1988; 29: 41
 - ultrasonography in carcinoma of the gallbladder, Soiva M; Aro K; Pamilo M; et al, *Acta Radiol* 1987; 28: 711
 - ultrasonography in carcinoma of the gallbladder: diagnostic difficulties and pitfalls, Hederström E; Forsberg L, *Acta Radiol* 1987; 28: 715
 - ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Pais MJ; Cohen AJ; Aufrecht D, *Radiographics* 1987; 7: 1183
 - ultrasound changes of the gallbladder wall in cholecystitis: a sonographic-pathological correlation, Lim JH; Ko YT; Kim SY, *Clin Radiol* 1987; 38: 389
 - ultrasound demonstration of xanthogranulomatous cholecystitis, Lichtman JB; Varma VA, *JCU* 1987; 15: 342
 - ultrasound diagnosis of adenomyomatosis of the gallbladder: ultrasonic and pathological correlation, Fowler RC; Reid WA, *Clin Radiol* 1988; 39: 402
 - ultrasound diagnosis of perforation of the gallbladder: real-time application and the demonstration of a new sonographic sign, Chau W-K; Na A-T; Feng T-T; et al, *JCU* 1988; 16: 358
 - ultrasound in postoperative acalculous cholecystitis, Becker CD; Burckhardt B; Terrier F, *Gastrointest Radiol* 1986; 11: 47
 - unusual causes of sonographic nonvisualization or nonrecognition of the gallbladder: a review, Hammond DI, *JCU* 1988; 16: 77
 - use of ultrasonographic risk score in the timing of operative intervention for acute cholecystitis, (ab), Miyazaki K; Uchiyama A; Nakayama F, *Radiology* 1988; 169: 286
 - value of sonographic screening for gallstones in patients with chest pain and normal coronary arteries, Fein AB; Rauch RF II; Bowie JD; et al, *AJR* 1986; 146: 337
 - V-shaped artifact of the gallbladder wall, Lafortune M; Garipey G; Dumont A; et al, *AJR* 1986; 147: 505
- ## Gallbladder, volume
- sonographic evaluation of resting gallbladder volume and postprandial emptying in patients with gallstones, Kishk SMA; Darweesh RMA; Dodds WJ; et al, *AJR* 1987; 148: 875

Gallbladder, wall thickening

computed tomography of thick-walled gallbladder mimicking pericholecystic fluid, Goldstein RB; Wing VW; Laing FC; et al, JCAT 1986; 10: 55

false-positive CT diagnosis of gallstones due to thickening of the gallbladder wall, Middleton WD; Thorsen MK; Lawson TL; et al, AJR 1987; 149: 941

gallbladder wall thickening: frequent finding in various nonbiliary disorders—prospective ultrasonographic study, Wegener M; Borsch G; Schneider J; et al, JCU 1987; 15: 307

gallbladder wall thickening in the elderly woman with infectious mononucleosis, Hammond DI; MacLean RS, JCU 1987; 15: 558

imaging of the gallbladder, 1987, Cooperberg PL; Gibney RG, Radiology 1987; 163: 605

striated intramural gallbladder lucencies on US studies: predictors of acute cholecystitis, Cohan RH; Mahony BS; Bowie JD; Cooper C; Baker ME; Illescas FF, Radiology 1987; 164: 31

thickness of the gallbladder wall in patients with hypobuminemia: a sonographic study of patients on peritoneal dialysis, Kaftori JK; Pery M; Green J; et al, AJR 1987; 148: 1117

Gallium, radioactive

acquired immunodeficiency syndrome: Ga-67 citrate imaging, Woolfenden JM; Carrasquillo JA; Larson SM; Simmons JT; Masur H; Smith PD; Shelhamer JH; Ognibene FF, Radiology 1987; 162: 383

comparison of gallium-67 versus indium-111 monoclonal antibody (96.5, ZME-018) in detection of human melanoma in athymic mice, Chan SM; Hoffer PB; Maric N; et al, J Nucl Med 1987; 28: 1441

cutaneous gallium uptake in patients with AIDS with mycobacterium avium-intracellulare septicemia, Allwright SJ; Chapman PR; Antico VF; et al, Clin Nucl Med 1988; 13: 506

differential uptake of gallium-67-labeled liposomes between tumors and inflammatory lesions in rats, Ogihara I; Kojima S; Jay M, J Nucl Med 1986; 27: 1300

diffuse abdominal gallium uptake, Ammann W; Kasen BO, Semin Nucl Med 1986; 16: 214

direct quantitation of thoracic gallium-67 uptake in sarcoidosis, Bourquet P; Delaval P; Herry JV, J Nucl Med 1986; 27: 1550

drug-induced gallium uptake in the breasts, Desai AG; Intenzo C; Park C; et al, Clin Nucl Med 1987; 12: 703

effect of previous thoracic surgery on gallium uptake in the chest, Hatfield MK; MacMahon H; Martin WB; et al, J Nucl Med 1987; 28: 1831

extrapulmonary localization of gallium in sarcoidosis, Rohatgi PK; Singh R; Vieras F, Clin Nucl Med 1987; 12: 9

gallium-67 localization in herpetic skin lesion, Acio ER; Balasubramanian N; Vieras F; et al, Clin Nucl Med 1988; 13: 667

gallium-67 renal uptake in Sjogren's syndrome, Bennett M; Felsberg GJ; Unger J; et al, Clin Nucl Med 1988; 13: 669

gallium-67 scans of the chest in patients with acquired immunodeficiency syndrome, Kramer EL; Sanger JJ; Garay SM; et al, J Nucl Med 1987; 28: 1107

gallium-67 studies in a patient with multiple muscular abscesses, Bouvier JF; Bocquet B; Lahneche BE, Clin Nucl Med 1986; 11: 807

hepatic photopenia in gallium imaging, Glaser AM; Chen DCP; Siegel ME, Clin Nucl Med 1988; 13: 502

influence of various factors on the accuracy of gallium-67 imaging for occult infection, Maderazo EG; Hickingbotham NB; Woronick CL; et al, J Nucl Med 1988; 29: 608

mechanism of gallium-67 accumulation in tumors, Tsan M-F; Scheffell U, J Nucl Med 1986; 27: 1215

mechanisms of gallium-67 accumulation by tumors: role of cell membrane permeability, Anghileri LJ; Crone-Escanyé M-C; Thouvenot P; et al, J Nucl Med 1988; 29: 663

patterns of gallium-67 scintigraphy in patients with acquired immunodeficiency syndrome and the AIDS related complex, Bitran J; Bekerman C; Weinstein R; et al, J Nucl Med 1987; 28: 1103

postoperative recurrence of lung cancer: detection of whole-body gallium scintigraphy, Hatfield MK; MacMahon H; Ryan JW; et al, AJR 1986; 147: 911

quantitative gallium 67 lung scan to assess the inflammatory activity in the pneumoconioses, Bisson G; Lamoureux G; Begin R, Semin Nucl Med 1987; 17: 72

slow entry of radiogallium into restricted fluid compartments, Spencer RP, Clin Nucl Med 1986; 13: 379

three cases demonstrating the role of gallium scanning in relapsing Hodgkin's disease and non-Hodgkin lymphoma, Zollars LE; Nagel JS; Tumeh SS, J Nucl Med 1987; 28: 1611

Gallstones

See Gallbladder, calculi

Gamma globulins

breast cancer imaging with In-111 human IgM monoclonal antibodies: preliminary studies, Ryan KP; Dillman RO; DeNardo SJ; DeNardo GL; Beauregard J; Hagan PL; Amox DG; Clutter ML; Burnett KG; Rulot CM; Sobol RE; Abramson I; Bartholomew RK; Frincke JM; Birdwell CR; Carlo DJ; O'Grady LF; Halpern SE, Radiology 1988; 167: 71

computed tomography findings in a case of hypogammaglobulinemia, Norton KI; Som PM, CT 1986; 10: 41

Ganglion

high-field MR surface-coil imaging of the hand and wrist. part II. pathologic correlations and clinical relevance, Weiss KL; Beltran J; Lubben LM, Radiology 1986; 160: 147

triple phase bone scanning of an intraosseous ganglion: case report and discussion, Wardlaw JM; Best JJK, Clin Nucl Med 1988; 13: 647

Ganglioneuroma

calcified ganglioneuroma of the bladder, Graham RT; Herschorn S; Srigley J, Urol Radiol 1987; 9: 177

computed tomography of intracranial gangliogliomas, Dorne HL; O'Gorman AM; Melanson D, AJNR 1986; 7: 281

Gangrene

computed tomography of gangrenous appendicitis, Clarke PD, JCAT 1987; 11: 1081

CT findings in noma, Wells RG; Sty JR; Starshak RJ, JCAT 1988; 12: 711

Fournier gangrene: diagnosis with scrotal US, Begley MG; Shawker TH; Robertson CN; Bock SN; Wei JP; Lotze MT, Radiology 1988; 169: 387

Gastric bypass

See Stomach, surgery

Gastric ulcer

See Peptic ulcer

Gastritis

carbon-14 urea breath test for the diagnosis of campylobacter pylori associated gastritis, Marshall BJ; Surveyor I, J Nucl Med 1988; 29: 11

childhood Menetrier's disease: four new cases and discussion of the literature, Baker A; Volberg F; Sumner T; et al, Gastrointest Radiol 1986; 11: 131

computed tomography of emphysematous gastritis, de Lange EE; Slutsky VS; Swanson S; et al, JCAT 1986; 10: 139

Menetrier's disease in childhood associated with cytomegalovirus infection: case report and review of the literature, Coad NAG; Shah KJ, Br J Radiol 1986; 59: 615

multiple transverse folds in the gastric antrum, Cho KC; Gold BM; Printz DA, Radiology 1987; 164: 339

radiologic findings of linear gastric erosions, Momoshima S; Imai Y; Sugino Y; et al, AJR 1986; 147: 701

serpiginous gastric erosions caused by aspirin and other nonsteroidal antiinflammatory drugs, Levine MS; Verstandig A; Laufer I, AJR 1986; 146: 31

technetium-99m serum albumin measurement of gastrointestinal protein loss in a subtotal gastrectomy patient with giant hypertrophic gastritis, Yoshida T; Li T; Sakamoto H; et al, Clin Nucl Med 1987; 12: 773

Gastroesophageal reflux

See Esophagus, reflux

Gastrointestinal tract

See also Stomach; Duodenum; Colon; Intestines; etc.

radiologic exploration of the gastrointestinal tract: an interdisciplinary enterprise, Brooks FP, Radiographics 1986; 6: 160

Gastrointestinal tract, abnormalities

"communicating" bronchopulmonary foregut malformations, Leithiser RE Jr; Capitanio MA; Macpherson RI; et al, AJR 1986; 146: 227

computed tomographic investigation of serosal and intramural gastrointestinal pathology, Solomon A; Papo J; Pikielny S; et al, Gastrointest Radiol 1987; 12: 13

cytomegalovirus infection of the alimentary canal: radiologic findings with pathologic correlation, Teixidor HS; Honig CL; Nornoph E; Albert S; Mouradian JA; Whalen JP, Radiology 1987; 163: 317

distinctive gastrointestinal anomaly associated with Coffin-Siris syndrome, (ab), Bodurtha J; Kessel A; Berman W; et al, Radiology 1988; 167: 591

heterotopic gastric mucosa in the duodenum: radiographic findings, Agha FF; Ghahremani GG; Tsang T-K; et al, AJR 1988; 150: 291

multifocal abnormalities of the gastrointestinal tract in AIDS, Wall SD; Ominsky S; Altman DF; et al, AJR 1986; 146: 1

multiple enteric duplications in an infant, Egelhoff JC; Bisset GS III; Strife JL, Pediatr Radiol 1986; 16: 160

radiology of the gastrointestinal tract in sickle cell anemia, Rao VM; Mapp EM; Wechsler RJ, Semin Roentgenol 1987; 22: 195

Gastrointestinal tract, angiography

angiographic management of upper gastrointestinal hemorrhage, Kerlan RK Jr; Fogarty AC; Burke DR; et al, AJR 1986; 147: 1185

angiographic treatment of gastrointestinal hemorrhage: comparison of vasopressin infusion and embolization, Gomes AS; Lois JF; McCoy RD, AJR 1986; 146: 1031

D5A in acute gastrointestinal hemorrhage: clinical and in vitro studies, Rees CR; Palmaz JC; Alvarado R; Tyrrel R; Ciarravino V; Register T, Radiology 1988; 169: 499

intraarterial digital subtraction angiography in the diagnosis and treatment of gastrointestinal disorders, Ariyama J; Shimaguchi S; Suyama M; et al, Gastrointest Radiol 1986; 11: 177

scintigraphic signs and pitfalls in lower gastrointestinal hemorrhage: continued necessity of angiography, Dorfman GS; Cronan JJ; Staudinger KM, Radiographics 1987; 7: 543

urokinase in gastrointestinal tract bleeding, Glickerman TJ; Kowdley KV; Rosch J, Radiology 1988; 168: 375

visceral angiographic findings in pseudoxanthoma elasticum, Belli A; Cawthorne S, Br J Radiol 1988; 61: 368

Gastrointestinal tract, CT

computed tomographic investigation of serosal and intramural gastrointestinal pathology, Solomon A; Papo J; Pikielny S; et al, Gastrointest Radiol 1987; 12: 13

computed tomography and ultrasonography of carcinoma in duplication cysts, Rice CA; Anderson TM; Sepahdarian S, JCAT 1986; 10: 233

computed tomography findings in gastrointestinal involvement by opportunistic organisms in acquired immune deficiency syndrome, Greyson-Fleg RT; Jones B; Fishman EK; et al, CT 1986; 10: 175

cryptosporidiosis of the gastric antrum: detection using CT, Soulen MC; Fishman EK; Scatarige JC; Hutchins D; Zerhouni EA, Radiology 1986; 159: 705

CT demonstration of gastropyloric fistula due to penetrating gastric ulcer, Hughes JJ; Blunck CE, JCAT 1987; 11: 709

fast-density oral contrast agent for abdominal CT, Raptopoulos V; Davis MA; Davidoff A; Karellas A; Hays D; D'Orsi CJ; Smith EH, Radiology 1987; 164: 653

Gastrointestinal tract, CT

- gastrointestinal hemangiomas in children: demonstration with CT, Bank ER; Hernandez RJ; Byrne WJ, *Radiology* 1987; 163: 657
- gastrointestinal teratomas: CT and US appearance with pathologic correlation, Bowen B; Ros PR; McCarthy MJ; Olmsted WW; Hjermstad BM, *Radiology* 1987; 162: 431
- gastrointestinal tract focal mass lesions: role of CT and barium evaluations, Coscina WF; Arger PH; Levine MS; Herlinger H; Cohen S; Coleman BG; Mintz MC, *Radiology* 1986; 158: 581
- imaging of the bowel wall: computed tomography and fat density oral-contrast agent in an animal model, Raptopoulos V; Davis MA; Smith EH, *Invest Radiol* 1986; 21: 847
- role of CT in the evaluation of children with foregut cyst, Hernandez RJ, *Pediatr Radiol* 1987; 17: 265
- utility of ceruletide in promoting intestinal opacification for abdominal and pelvic computed tomography, Demas BE; McCarthy SM; Moss AA; et al, *Gastrointest Radiol* 1986; 11: 197
- Gastrointestinal tract, diseases**
- amyloidosis and plasma cell dyscrasias: gastrointestinal involvement, Carlson HC; Breen JF, *Semin Roentgenol* 1986; 21: 128
- computed tomography findings in gastrointestinal involvement by opportunistic organisms in acquired immune deficiency syndrome, Greyson-Fleg RT; Jones B; Fishman EK; et al, *CT* 1986; 10: 175
- Crohn's disease of the upper gastrointestinal tract, Levine MS, *Radiol Clin North Am* 1987; 25: 79
- cytomegalovirus infection of the alimentary canal: radiologic findings with pathologic correlation, Teixidor HS; Honig CL; Norsoph E; Albert S; Mouradian JA; Whalen JP, *Radiology* 1987; 163: 317
- gastrointestinal complications of AIDS: radiologic features, Frager DH; Frager JD; Brandt LJ; Wolf EL; Rand LG; Klein RS; Benevanto TC, *Radiology* 1986; 158: 597
- gastrointestinal manifestations of cystic fibrosis, Abramson SJ; Baker DH; Amodio JB; et al, *Semin Roentgenol* 1987; 22: 97
- initial detection of gastrointestinal disease during routine real-time, abdominal ultrasound in adults, Fataar S, *Australas Radiol* 1987; 31: 164
- radiology of nonneoplastic gastrointestinal disorders in acquired immune deficiency syndrome, Megibow AJ; Balthazar EJ; Hulnick DH, *Semin Roentgenol* 1987; 22: 31
- sonographic detection of small intestinal subserosal lymphofollicular hyperplasia, Murayama S; Haruta R, *J Ultrasound Med* 1986; 5: 217
- transient protein-losing gastropathy (Menetrier's disease) in childhood, Bar-Ziv J; Barki Y; Weizman Z; et al, *Pediatr Radiol* 1988; 18: 82
- Gastrointestinal tract, endoscopy**
- See Endoscopy
- Gastrointestinal tract, hemorrhage**
- abnormal pelvic venous collaterals demonstrated during a gastrointestinal bleeding study, Krasicky GA; Froelich JW; Shetty PC, *Clin Nucl Med* 1986; 11: 595
- aneurysm of the proper hepatic artery as a rare source of upper gastrointestinal bleeding, Hugel HE; Oser W; Bodner E, *Gastrointest Radiol* 1986; 11: 158
- angiographic management of upper gastrointestinal hemorrhage, Kerlan RK Jr; Fogarty AC; Burke DR; et al, *AJR* 1986; 147: 1185
- angiographic treatment of gastrointestinal hemorrhage: comparison of vasopressin infusion and embolization, Gomes AS; Lois JF; McCoy RD, *AJR* 1986; 146: 1031
- appearance of a large mesenteric varix on a technetium-99m red blood cell gastrointestinal bleeding study, Mountz JM; Ripley SD; Gross MD; et al, *Clin Nucl Med* 1986; 11: 229
- association of nonsteroidal antiinflammatory drugs with upper gastrointestinal tract bleeding, (ab), Carson JL; Strom BL; Soper KA; et al, *Radiology* 1987; 163: 837
- association of unexplained gastrointestinal bleeding with calcific aortic stenosis, (ab), King RM; Pluth JR; Giuliani ER, *Radiology* 1988; 167: 882
- bleeding rates necessary for detecting acute gastrointestinal bleeding with technetium-99m-labeled red blood cells in an experimental model, Thorne DA; Datz FL; Remley K; et al, *J Nucl Med* 1987; 28: 514
- colorectal hemangioma: radiologic findings, Dachman AH; Ros PR; Shekita KM; Buck JL; Olmsted WW; Hinton CB, *Radiology* 1988; 167: 31
- detection of acute gastrointestinal bleeding by intra-arterial Tc-99m sulfur colloid scintigraphy in a canine model: preliminary study, Denham JS; Becker GJ; Siddiqui AR; et al, *Invest Radiol* 1987; 22: 37
- DSA in acute gastrointestinal hemorrhage: clinical and in vitro studies, Rees CR; Palmaz JC; Alvarado R; Tyrrel R; Ciaravino V; Register T, *Radiology* 1988; 169: 499
- evaluation of technetium-99m DTPA for localization of site of acute upper gastrointestinal bleeding, Abdel-Dayem HM; Mahajan KK; Ericsson S; et al, *Clin Nucl Med* 1986; 11: 788
- false-positive technetium-99m sulfur colloid gastrointestinal bleeding study due to Paget's disease, Veluvolu P; Ishtman AT; Collier BD; et al, *Clin Nucl Med* 1988; 13: 465
- gastric hemorrhage complicating percutaneous transgastric jejunostomy, Rose DB; Wolman SL; Ho C-S, *Radiology* 1986; 161: 835
- gastrointestinal bleeding detected in scrotal hernia, Skarzynski JJ; Lee HK, *Clin Nucl Med* 1987; 12: 322
- gastrointestinal bleeding in patients receiving long-term anticoagulant therapy, (ab), Wilcox CM; Truss CD, *Radiology* 1988; 168: 883
- gastrointestinal hemangiomas in children: demonstration with CT, Bank ER; Hernandez RJ; Byrne WJ, *Radiology* 1987; 163: 657
- gastrointestinal hemorrhage associated with chronic mesenteric venous occlusion, (ab), Soper NJ; Rikers LF; Miller FJ, *Radiology* 1986; 158: 858
- gastrointestinal hemorrhage from fistula between traumatic pseudoaneurysm of the right hepatic artery and the duodenum, Taylor DW Jr; Babchuk WJ; Walz DJ; et al, *Clin Nucl Med* 1988; 13: 337
- hemorrhage complicating CT manifestations, Yoshikai T; Murakami J; Nishihara H; et al, *JCAT* 1986; 10: 510
- interventional angiography in the diagnosis of acute lower gastrointestinal bleeding, Rosch J; Kozak BE; Keller FS; et al, *Eur J Radiol* 1986; 6: 136
- leiomyoma causing massive gastrointestinal blood loss: a case report, Walters NA; Thomson KR, *Australas Radiol* 1988; 32: 138
- life-threatening hemorrhage from typhoid fever, Rubin CME; Fairhurst JJ, Br J Radiol 1988; 61: 415
- low-dose particulate polyvinylalcohol embolization in massive small artery intestinal hemorrhage: experimental and clinical results, Kusano S; Murata K; Ohuchi H; et al, *Invest Radiol* 1987; 22: 388
- major upper gastrointestinal tract bleeding: relation to the use of aspirin and other nonnarcotic analgesics, (ab), Levy M; Miller DR; Kaufman DW; et al, *Radiology* 1988; 168: 883
- metoclopramide: an aid in the diagnosis of lower gastrointestinal hemorrhage by technetium-99m labeled red blood cells, Wiener MD; Blinder R, *Clin Nucl Med* 1987; 12: 917
- nonsteroidal anti-inflammatory drugs and gastrointestinal bleeding: a case-control study, (ab), Bartle WR; Gupta AK; Lazor J, *Radiology* 1987; 163: 587
- pitfalls of gastrointestinal bleeding studies with ^{99m}Tc-labeled RBCs, Lecklitner ML; Hughes JJ, *Semin Nucl Med* 1986; 16: 151
- pitfalls of gastrointestinal bleeding studies with ^{99m}Tc sulfur-colloid, Lecklitner ML, *Semin Nucl Med* 1986; 16: 155
- positive gastrointestinal bleeding study from tumor extension into intestine, Mack JM; Rosenberg RJ; Spencer RP, *Clin Nucl Med* 1987; 12: 820
- precise intraoperative location of gastrointestinal bleeding with a hand-held counter: work in progress, Williamson MR; Boyd CM; McGuire EL; Anguaco TL; Westbrook KC; Lang NP; Alston J; Broadwater JR; Navab F; Bersey ML, *Radiology* 1986; 159: 272
- recurrent gastrointestinal bleeding from jejunal duplication, Papoff W; Reid RH, *Clin Nucl Med* 1986; 11: 754
- resolution of Heyde's syndrome of aortic stenosis and gastrointestinal bleeding after aortic valve replacement, (ab), Scheffer SM; Leatherman LL, *Radiology* 1987; 163: 589
- retrograde flow pattern on a gastrointestinal bleeding scan, Wise PA; Sagar VV, *Clin Nucl Med* 1988; 13: 56
- scintigraphic signs and pitfalls in lower gastrointestinal hemorrhage: continued necessity of angiography, Dorfman GS; Cronan JJ; Staudinger KM, *Radiographics* 1987; 7: 543
- splenic artery pseudoaneurysms causing lower gastrointestinal hemorrhage, Walker TG; Geller SC; Waltman AC, *AJR* 1988; 150: 433
- ^{99m}Tc RBC scintigraphy: correlation of gastrointestinal bleeding rates with scintigraphic findings, Smith R; Copley DJ; Bolen FH, *AJR* 1987; 148: 869
- technetium-99m labeled RBC imaging in gastrointestinal bleeding from gastric leiomyoma, Joseph UA; Jhingran SG, *Clin Nucl Med* 1988; 13: 23
- transcatheter embolization for treatment of acute lower gastrointestinal bleeding, Uflacker R, *Acta Radiol* 1987; 28: 425
- ultrasonographic evaluation of intramural gastric and duodenal hematomas in hemophiliacs, Morimoto K; Hashimoto T; Choi S; et al, *JCU* 1988; 16: 108
- urokinase in gastrointestinal tract bleeding, Glickerman DJ; Kowdley KV; Rosch J, *Radiology* 1988; 168: 375
- Gastrointestinal tract, infection**
- diffuse abdominal gallium-67 citrate uptake in salmonella infections, Garty I; Koren A, *Clin Nucl Med* 1987; 12: 872
- Gastrointestinal tract, inflammation**
- computed tomography of gastrointestinal inflammation after bone marrow transplantation, Jones B; Fishman EK; Kramer SS; et al, *AJR* 1986; 146: 691
- gastrointestinal inflammation after bone marrow transplantation: graft-versus-host disease or opportunistic infection?, Jones B; Kramer SS; Saral R; et al, *AJR* 1988; 150: 277
- Gastrointestinal tract, interventional procedure**
- abdominal-gastrointestinal radiology, RSNA '87 meeting notes, Moss AA; Baron RL; Balfe DM, *Radiology* 1988; 166: 595
- balloon dilatation of upper gastrointestinal tract strictures, Grundy A; Belli A, *Clin Radiol* 1988; 39: 229
- balloon techniques for percutaneous gastrostomy in a patient with partial gastrectomy, Varney RA; vanSonnenberg E; Casola G; Sukthankar R, *Radiology* 1988; 167: 69
- biliary drainage: conversion of external to internal drainage, Morita S; Matsumoto S; Soejima T; Odani R; Yokota T, *Radiology* 1988; 167: 267
- esophageal strictures: balloon dilation, Maynar M; Guerra C; Reyes R; Mayor J; Garcia J; Fagal P; Castaneda-Zuniga WR; Letourneau JG, *Radiology* 1988; 167: 703
- intussusception in infants and children: diagnosis and therapy, Bisset GS III; Kirks DR, *Radiology* 1988; 168: 141
- needle endoscopy in special procedures, Cope C, *Radiology* 1988; 168: 353
- radiologically guided balloon dilation of gastrointestinal strictures: part I. technique and factors influencing procedural success, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, *Radiology* 1987; 165: 35
- radiologically guided balloon dilation of gastrointestinal strictures: part II. results of long-term follow-up, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, *Radiology* 1987; 165: 41

Gastrointestinal tract, MR studies

MR imaging of the gastrointestinal tract: value of Gd-DTPA, Laniado M; Kornmesser W; Hamm B; et al, *AJR* 1988; 150: 817

perfluorocarbons as gastrointestinal contrast agents for MR imaging: preliminary studies in rats and humans, Mattrey RF; Hajek PC; Gyls-Morin VM; et al, *AJR* 1987; 148: 1259

Gastrointestinal tract, neoplasms

adjuvant irradiation of gastrointestinal malignancies: impact on local control and tumor cure, Tepper JE, *Int J Radiat Oncol Biol Phys* 1986; 12: 667

aggressive angiosarcoma with gastrointestinal communication: a case report, Tatu WF; Holmes WS; Black WC; et al, *CT* 1988; 12: 32

atypical target pattern: sonography in GIT lesions, Gupta AK; Berry M; Bhargava S, *Australas Radiol* 1987; 31: 281

benign schwannoma of the gastrointestinal tract: a clinicopathologic and immunohistochemical study, (ab), Daimaru Y; Kido H; Hashimoto H; et al, *Radiology* 1988; 168: 586

colorectal hemangioma: radiologic findings, Dachman AH; Ros PR; Shekitka KM; Buck JL; Olmsted WW; Hinton CB, *Radiology* 1988; 167: 31

computed tomography and ultrasonography of carcinoma in duplication cysts, Rice CA; Anderson TM; Sepahdari S, *JCAT* 1986; 10: 233

correlation of Doppler US tumor signals with neovascular morphologic features, Taylor KJW; Ramos I; Carter D; Morse SS; Snower D; Fortune K, *Radiology* 1988; 166: 57

Cowden's disease: a case report and literature review, Chen YM; Ott DJ; Wu WC; et al, *Gastrointest Radiol* 1987; 12: 325

CT findings in metastatic ovarian tumors from gastrointestinal tract neoplasms (Krukenberg tumors), Mata JM; Inaraja L; Rams A; et al, *Gastrointest Radiol* 1988; 13: 242

diffuse lymphomatous polyposis of the gastrointestinal tract: case report with immunohistochemical studies, (ab), Fernandes BJ; Amato D; Goldfinger M, *Radiology* 1986; 158: 568

ectopic gastrinoma and Zollinger-Ellison syndrome, (ab), Bhagavan BS; Slavin RE; Goldbert J; et al, *Radiology* 1986; 161: 858

gastrointestinal lymphoma: role of CT in diagnosis and management, Megibow AJ, *Semin US CT MR* 1986; 7: 43

gastrointestinal non-Hodgkin's lymphoma, Makepeace AR; Ferment DC; Bennett MH, *Clin Radiol* 1987; 38: 609

gastrointestinal teratomas: CT and US appearance with pathologic correlation, Bowen B; Ros PR; McCarthy MJ; Olmsted WW; Hjermstad BM, *Radiology* 1987; 162: 431

gastrointestinal tract focal mass lesions: role of CT and barium evaluations, Coscina WF; Arger PH; Levine MS; Herlinger H; Cohen S; Coleman BG; Mintz MC, *Radiology* 1986; 158: 581

immunohistochemistry of gastrointestinal stromal tumors: evidence supporting an origin from smooth muscle, (ab), Saul SH; Rast ML; Brooks JJ, *Radiology* 1987; 163: 295

local control and survival in locally advanced gastrointestinal cancer, Gunderson LL; Martin JK; O'Connell MJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 661

multiple granular cell tumors of the skin and gastrointestinal tract, Radin DR; Zelnier R; Ray MJ; et al, *AJR* 1986; 147: 1305

peptic ulcer and gastric carcinoma: diagnosis with biphase radiography compared with fiberoptic endoscopy, Shaw PC; van Romunde LKJ; Griffioen G; Janssens AR; Kreuning J; Eilers GAM, *Radiology* 1987; 163: 39

primary gastrointestinal non-Hodgkin lymphoma: a review of 36 cases, Kajanti M; Kärkinen-Jääskeläinen M; Rissanen P, *Acta Oncol* 1988; 27: 51

stromal tumors of the gastrointestinal tract: myogenic or neurogenic?, (ab), Hjermstad BM; Sobin LH; Helwig EB, *Radiology* 1987; 165: 295

use of endoscopic ultrasound and laser photocoagulation in the treatment of gastrointestinal tract tumors: early experience, Steger AC; Whitecross SES; Hira N, *Br J Radiol* 1987; 60: 1141

Gastrointestinal tract, perforation

CT findings in gastrointestinal perforation by ingested fish bones, Gonzalez JG; Gonzalez RR; Patiño JV; et al, *JCAT* 1988; 12: 88

gastric hemorrhage complicating percutaneous transgastric jejunostomy, Rose DB; Wolman SL; Ho C-S, *Radiology* 1986; 161: 835

iopamidol in the diagnosis of suspected upper gastro-intestinal perforation, Bell KE; McKinstry CS; Mills JOM, *Clin Radiol* 1987; 38: 165

Gastrointestinal tract, radiography

choosing contrast media for the evaluation of the gastrointestinal tract of neonates and infants, Cohen MD, *Radiology* 1987; 162: 447

decreasing numbers of gastrointestinal studies: report of data from 69 radiologic practices, Gelfand DW; Ott DJ; Chen YM, *AJR* 1987; 148: 1133

digital gastrointestinal imaging: effect of pixel size on detection of subtle mucosal abnormalities, Kastan DJ; Ackerman LV; Feczko PJ, *Radiology* 1987; 162: 853

digital radiography of the gastrointestinal tract, Feczko PJ; Ackerman LV; Kastan DJ; et al, *Gastrointest Radiol* 1988; 13: 191

gastrointestinal radiology: a short history and predictions for the future, Gelfand DW, *AJR* 1988; 150: 727

gastrointestinal tract focal mass lesions: role of CT and barium evaluations, Coscina WF; Arger PH; Levine MS; Herlinger H; Cohen S; Coleman BG; Mintz MC, *Radiology* 1986; 158: 581

hydrophilic-lipophilic balance as predictor of mucus coating with barium sulfate, Salomonowitz E; Frick MP; Morin RL; et al, *Gastrointest Radiol* 1986; 11: 93

hypersensitivity reactions after barium studies of the upper and lower gastrointestinal tract, Janower ML, *Radiology* 1986; 161: 139

optimal double-contrast visualization of the posteriorly directed duodenal bulb, Bloom SM; Phillips E; Paul RE Jr, *Radiology* 1986; 161: 549

Parish lecture: new horizons in GI radiology, Stevenson GW, *J Canad Assoc Radiol* 1986; 37: 261

radiographic efficacy in gastric ulcer: comparison of single-contrast and multiphasic examinations, Ott DJ; Chen YM; Gelfand DW; et al, *AJR* 1986; 147: 697

radiographic evaluation of the cocaine smuggler, Beerman R; Nunez D Jr; Wetli CV, *Gastrointest Radiol* 1986; 11: 351

stomach and duodenum: radiographic magnification using computed radiography (CR), Nakano Y; Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Adachi H; Itoh H; Torizuka K, *Radiology* 1986; 160: 383

UGI series in renal transplant candidates, Lao A; Bach D, *J Canad Assoc Radiol* 1988; 39: 195

value of flow technique for double-contrast examination of the stomach, Kikuchi Y; Levine MS; Laufer I; et al, *AJR* 1986; 147: 1183

Gastrointestinal tract, radionuclide studies

adenocarcinoma of the alimentary tract: peritoneal distribution scintigraphy, Arnstein NB; Wahl RL; Cochran M; Gyves J, *Radiology* 1987; 162: 439

appearance of a large mesenteric varix on a technetium-99m red blood cell gastrointestinal bleeding study, Mountz JM; Ripley SD; Gross MD; et al, *Clin Nucl Med* 1986; 11: 229

bleeding rates necessary for detecting acute gastrointestinal bleeding with technetium-99m-labeled red blood cells in an experimental model, Thorne DA; Datz FL; Remley K; et al, *J Nucl Med* 1987; 28: 514

detection of acute gastrointestinal bleeding by intra-arterial Tc-99m sulfur colloid scintigraphy in a canine model: preliminary study, Denham JS; Becker GJ; Siddiqui AR; et al, *Invest Radiol* 1987; 22: 37

detection of gastroduodenal ulcers using technetium-99m-labeled succinate, Puttemans N; Lambert M; Andre PP; et al, *J Nucl Med* 1987; 28: 521

evaluation of technetium-99m DTPA for localization of site of acute upper gastrointestinal bleeding, Abdel-Dayem HM; Mahajan KK; Ericsson S; et al, *Clin Nucl Med* 1986; 11: 788

extensive gastric varices demonstrated by technetium-99m red blood cell scintigraphy, Shih W-J; Domstad PA; Loh F-G; et al, *Clin Nucl Med* 1987; 12: 290

gastrointestinal tract radionuclide activity on In-111 labeled leukocyte imaging: clinical significance in patients with fever of unknown origin, Datz FL; Thorne DA, *Radiology* 1986; 160: 635

metoclopramide: an aid in the diagnosis of lower gastrointestinal hemorrhage by technetium-99m labeled red blood cells, Wiener MD; Blinder R, *Clin Nucl Med* 1987; 12: 917

morbid obesity treated by gastroplasty: radionuclide gastric emptying studies, Drane WE, *Radiology* 1986; 159: 816

morbid obesity treated by gastroplasty: radionuclide gastric emptying studies: reply, Arnstein NB; Shapiro B, *Radiology* 1986; 159: 816

pitfalls of gastrointestinal bleeding studies with ^{99m}Tc-labeled RBCs, Lecklitner ML; Hughes JJ, *Semin Nucl Med* 1986; 16: 151

pitfalls of gastrointestinal bleeding studies with ^{99m}Tc sulfur-colloid, Lecklitner ML, *Semin Nucl Med* 1986; 16: 155

precise intraoperative location of gastrointestinal bleeding with a hand-held counter: work in progress, Williamson MR; Boyd CM; McGuire EL; Anguaco TL; Westbrook KC; Lang NP; Alston J; Broadwater JR; Navab F; Bersey ML, *Radiology* 1986; 159: 272

recurrent gastrointestinal bleeding from jejunal duplication, Papoff W; Reid RH, *Clin Nucl Med* 1986; 11: 754

retroanastomotic herniation mimicking biliary leakage in a cholecystographic pattern, Liu R-S; Yen T-C; Kuo S-J; et al, *Clin Nucl Med* 1987; 12: 673

retrograde flow pattern on a gastrointestinal bleeding scan, Wise PA; Sagar VV, *Clin Nucl Med* 1988; 13: 56

scintigraphic signs and pitfalls in lower gastrointestinal hemorrhage: continued necessity of angiography, Dorfman GS; Cronan JJ; Staudinger KM, *Radiographics* 1987; 7: 543

scintigraphic study of duodenal-gastric reflux in cases of primary gastropathy, chronic ulcer of the duodenal bulb, and Moynihan's disease, Dufresne F; Carrier L; Gagnon M; et al, *J Nucl Med* 1988; 29: 17

^{99m}Tc RBC scintigraphy: correlation of gastrointestinal bleeding rates with scintigraphic findings, Smith R; Copely DJ; Bolen FH, *AJR* 1987; 148: 869

technetium-99m labeled RBC imaging in gastrointestinal bleeding from gastric leiomyoma, Joseph UA; Jhingran SG, *Clin Nucl Med* 1988; 13: 23

technetium-99m serum albumin measurement of gastrointestinal protein loss in a subtotal gastrectomy patient with giant hypertrophic gastritis, Yoshida T; Ii T; Sakamoto H; et al, *Clin Nucl Med* 1987; 12: 773

Gastrointestinal tract, surgery

precise intraoperative location of gastrointestinal bleeding with a hand-held counter: work in progress, Williamson MR; Boyd CM; McGuire EL; Anguaco TL; Westbrook KC; Lang NP; Alston J; Broadwater JR; Navab F; Bersey ML, *Radiology* 1986; 159: 272

Gastrointestinal tract, therapeutic radiology

adjuvant irradiation of gastrointestinal malignancies: impact on local control and tumor cure, Tepper JE, *Int J Radiat Oncol Biol Phys* 1986; 12: 667

- gastrointestinal sites, Heilmann HP; Gunderson LL, *Int J Radiat Oncol Biol Phys* 1988; 14: S169
- local control and survival in locally advanced gastrointestinal cancer, Gunderson LL; Martin JK; O'Connell MJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 661
- Gastrointestinal tract, US studies**
- abdominal-gastrointestinal radiology. RSNA '87 meeting notes, Moss AA; Baron RL; Balfe DM, *Radiology* 1988; 166: 595
- atypical target pattern: sonography in GIT lesions, Gupta AK; Berry M; Bhargava S, *Australas Radiol* 1987; 31: 281
- computed tomography and ultrasonography of carcinoma in duplication cysts, Rice CA; Anderson TM; Sepahdari S, *JCAT* 1986; 10: 233
- correlation of Doppler US tumor signals with neovascular morphologic features, Taylor KJW, Tamos I; Carter D; Morse SS; Snower D; Fortune K, *Radiology* 1988; 166: 57
- gastrointestinal teratomas: CT and US appearance with pathologic correlation, Bowen B; Ros PR; McCarthy MJ; Olmsted WW; Hjermstad BM, *Radiology* 1987; 162: 431
- initial detection of gastrointestinal disease during routine real-time, abdominal ultrasound in adults, Fataar S, *Australas Radiol* 1987; 31: 164
- ultrasound of the pediatric gastrointestinal tract, Miller JH; Kemberling CR, *Semin US CT MR* 1987; 8: 349
- ultrasound scanning as a screening technique for hydatis in developing countries, Saint Martin GA; Larrieu E; Chiesa JC; et al, *JCU* 1988; 16: 233
- upper gastrointestinal endoscopic ultrasonography in gastroenterology, Shorvon PJ; Lees WR; Frost RA; et al, *Br J Radiol* 1987; 60: 429
- use of endoscopic ultrasound and laser photocoagulation in the treatment of gastrointestinal tract tumours: early experience, Steger AC; Whitecross SES; Hira N, *Br J Radiol* 1987; 60: 1141
- Gastroplasty**
- See Stomach, surgery
- Gastrostomy**
- balloon techniques for percutaneous gastrostomy in a patient with partial gastrectomy, Varney RA; vanSonnenberg E; Casola G; Sukthankar R, *Radiology* 1988; 167: 69
- chronic intestinal obstruction: value of percutaneous gastrostomy tube placement, Picus D; Marx MV; Weyman PJ, *AJR* 1988; 150: 295
- complications of endoscopic gastrostomy: pneumoperitoneum and volvulus of the colon, Ghahremani GG; Tsang T-K; Vakil N, *Gastrointest Radiol* 1987; 12: 172
- controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall, Brown AS; Mueller PR; Ferrucci JT Jr, *Radiology* 1986; 158: 543
- controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall, Wills JS; Oglesby JT, *Radiology* 1986; 160: 278
- controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall: reply, Brown AS; Mueller PR, *Radiology* 1986; 160: 278
- CT findings after uncomplicated percutaneous gastrostomy, Wojtowycz MM; Arata JA Jr; Micklos TJ; et al, *AJR* 1988; 151: 307
- percutaneous conversion of surgical gastrostomy to jejunostomy: indications and technique, Gray RR; St. Louis EL; Grosman H, *J Canad Assoc Radiol* 1987; 38: 275
- percutaneous endoscopic gastrostomy: procedure of choice, (ab), Miller RE; Kummer BA; Kotler DF; et al, *Radiology* 1987; 164: 291
- percutaneous gastrostomy, Wills JS; Oglesby JT, *Radiology* 1988; 167: 41
- percutaneous gastrostomy and gastroenterostomy: 1. techniques derived from laboratory evaluation, vanSonnenberg E; Wittich GR; Brown LK; et al, *AJR* 1986; 146: 577
- percutaneous gastrostomy and gastroenterostomy: 2. clinical experience, vanSonnenberg E; Wittich GR; Cabrera OA; et al, *AJR* 1986; 146: 581
- percutaneous gastrostomy and gastrojejunostomy, Gray RR; St. Louis EL; Grosman H, *Br J Radiol* 1987; 60: 1067
- percutaneous gastrostomy and percutaneous gastrojejunostomy in children: antegrade approach, Towbin RB; Ball WS Jr; Bissett GS III, *Radiology* 1988; 168: 473
- percutaneous gastrostomy: applications in gastric carcinoma and gastroplasty stoma dilatation, Wills JS, *AJR* 1986; 147: 826
- percutaneous gastrostomy for jejunal feeding: new technique, Alzate GD; Coons HG; Elliott J; et al, *AJR* 1986; 147: 822
- percutaneous gastrostomy in a child, Keller MS; Lai S; Wagner DK, *Radiology* 1986; 160: 261
- radiologic demonstration of important gastrostomy tube complications, Wolf EL; Frager D; Benevento TC, *Gastrointest Radiol* 1986; 11: 20
- subcutaneous emphysema after percutaneous gastrostomy, Wojtowycz MM; Arata JA Jr, *AJR* 1988; 151: 311
- Gaucher disease**
- case report 387, Tabas JH; Daffner RH; Hartsock RJ; et al, *Skeletal Radiol* 1986; 15: 499
- case report: nodular sclerosing Hodgkin's disease in association with Gaucher's disease, Goodman S, *Clin Radiol* 1988; 39: 326
- Gaucher disease: assessment with MR imaging, Lanir A; Hadar H; Cohen I; Tal Y; Benmair J; Schreiber R; Clouse ME, *Radiology* 1986; 161: 239
- Gaucher disease of the liver: CT appearance, Glass RB; Poznanski AK; Young S; et al, *Pediatr Radiol* 1987; 17: 417
- Gaucher disease: sonographic appearance of the spleen, Hill SC; Reing JW; Barranger JA; Fink J; Shaker TH, *Radiology* 1986; 160: 631
- Gaucher's disease type 1: assessment of bone involvement by CT and scintigraphy, Hermann G; Goldblatt J; Levy RN; et al, *AJR* 1986; 147: 943
- proximal humeral defects in Gaucher's disease, Li JKW; Birch PD; Davies AM, *Br J Radiol* 1988; 61: 579
- regression of the radiological changes of Gaucher's disease following bone marrow transplantation, Starer F; Sargent JD; Hobbs JR, *Br J Radiol* 1987; 60: 1189
- scintigraphic and magnetic resonance studies in a patient with Gaucher's disease, Zanzi I; Taylor S; Gould E; et al, *Clin Nucl Med* 1988; 13: 491
- scintigraphic findings in Gaucher's disease, Israel O; Jerushalmi J; Front D, *J Nucl Med* 1986; 27: 1557
- splenic involvement in Gaucher's disease: sonographic findings, Stevens PG; Kumari-Subaiya SS; Kahn LB, *JCU* 1987; 15: 397
- ultrasonographic aspects of Gaucher's disease: report of a patient during three pregnancies, Schoenfeld A; Tepper R; Stein L; et al, *JCU* 1987; 15: 207
- unusual disco-vertebral changes in Gaucher's disease, Colhoun EN; Cassar-Pullicino V; McCall IW; et al, *Br J Radiol* 1987; 60: 925
- Gelatin foam**
- hepatocellular carcinoma: treatment with intraarterial iodized oil with and without chemotherapeutic agents, Takayasu K; Shima Y; Muramatsu Y; Moriyama N; Yamada T; Makuuchi M; Hasegawa H; Hirohashi S, *Radiology* 1987; 163: 345
- mimicker of a postoperative spinal mass: Gelfoam in a laminectomy site, Dubin LM; Quencer RM; Green BA, *AJNR* 1988; 9: 217
- Genitourinary system**
- myths and misconceptions in urology, Saxton H, *Clin Radiol* 1988; 39: 361
- Genitourinary system, abnormalities**
- association of congenital megacalycolysis and ipsilateral segmental megaureter, Mandell GA; Snyder HM III; Heyman S; et al, *Pediatr Radiol* 1987; 17: 28
- bone metaplasia in the urinary tract: a new radiological sign, (ab), Garcia-Cuerpo E; Lovaco F; Berenguer A; et al, *Radiology* 1988; 168: 588
- computed tomography finding in Mayer-Rokitansky-Kuster-Hauser syndrome associated with endometriosis: a case report, Mahboubi S; Rostain A, *CT* 1987; 11: 301
- duplex collecting system in girls with urinary tract infection: prevalence and significance, Bissett GS III; Strife JL, *AJR* 1987; 148: 497
- dynamic corpus cavernosography: effect of papaverine injection, Puyau FA; Lewis RW; Balkin P; Kaack MB; Hirsch A, *Radiology* 1987; 164: 179
- first-trimester diagnosis of low obstructive uropathy: an indicator of initial renal function in the fetus, Bulic M; Podobnik M; Korenif B; et al, *JCU* 1987; 15: 537
- large prostatic utricle and related structures, urogenital sinus and other forms of urethrovaginal confluence, (ab), Currarino G, *Radiology* 1987; 163: 840
- Mayer-Rokitansky-Kuster-Hauser syndrome: sonographic aid to diagnosis, Swayne LC; Rubenstein JB; Mitchell B, *J Ultrasound Med* 1986; 5: 287
- Mayer-Rokitansky-Kuster-Hauser syndrome: US aid to diagnosis, Rosenberg HK; Sherman NH; Tarry WF; Duckett JW; Snyder HM, *Radiology* 1986; 161: 815
- Mullerian duct cyst: diagnosis with MR imaging, Thurnher S; Hricak H; Tanagho EA, *Radiology* 1988; 168: 25
- newborn with hydrometrocolpos and ambiguous genitalia: clinical significance, Janus C; Godine L, *JCU* 1986; 14: 739
- pelvic abnormalities in children: assessment with MR imaging, Dietrich RB; Kangaroo H, *Radiology* 1987; 163: 367
- two unusual duplication anomalies of the urinary tract: use of percutaneous urography, Diamant MJ; Stanley P, *Urol Radiol* 1987; 9: 185
- unsuspected urological anomalies in asymptomatic cryptorchid boys, Pappis CH; Argianas SA; Bousgas D; et al, *Pediatr Radiol* 1988; 18: 51
- urinary tract dilatation in utero: classification and clinical applications, Grignon A; Filion R; Filiatrault D; Robitaille P; Homsy Y; Boutin H; Leblond R, *Radiology* 1986; 160: 645
- urinary tract infections in childhood: current imaging approach, Hayden CK Jr; Swischuk LE; Fawcett HD; Rytting JE; McCord G, *Radiographics* 1986; 6: 1023
- Genitourinary system, calculi**
- association of congenital megacalycolysis and ipsilateral segmental megaureter, Mandell GA; Snyder HM III; Heyman S; et al, *Pediatr Radiol* 1987; 17: 28
- current trends in the management of urinary stones, Smith TP; Castaneda-Zuniga WR; Darcy MD; et al, *Acta Radiol* 1988; 29: 145
- impact of shockwave lithotripsy on upper urinary tract calculi, (ab), Kiehle RA Jr; Naslund EB; Fair W; et al, *Radiology* 1987; 163: 588
- milk-of-calcium hydronephrosis in patients with paraplegia and urinary-enteric diversion: CT demonstration, Sussman SK; Goldberg RP; Griscom NT, *JCAT* 1986; 10: 257
- morphology of urinary stone particles resulting from ESWL treatment, (ab), Khan SK; Hackett RL; Finlayson B, *Radiology* 1987; 163: 588
- percutaneous and extracorporeal management of urolithiasis, Erturk E; Lange PH; Hulbert JC, *Invest Radiol* 1987; 22: 995
- urolithiasis in the Aboriginal and non-Aboriginal children and adults of Central Australia, Farago C, *Australas Radiol* 1987; 31: 300
- Genitourinary system, CT**
- carcinoma of the urachus demonstrated by CT, Gurrett JP; Ody B; Megevand M, *Eur J Radiol* 1987; 7: 142
- CT and sonography of advanced urinary tract tuberculosis, Premkumar A; Lattimer J; Newhouse JH, *AJR* 1987; 148: 65
- lower urinary tract computed tomography, Arger PH; Coleman BG; Mintz MC, *Semin US CT MR* 1986; 7: 287
- perineal spaces: CT evidence for communication across the midline, Kneeland JB; Auh YH; Rubenstein WA; Zirinsky K; Morrison H; Whalen JP; Kazam E, *Radiology* 1987; 164: 657

Genitourinary system, diseases

- genitourinary complications of inflammatory bowel disease, Banner MP, Radiol Clin North Am 1987; 25: 199
- keratinizing desquamative squamous metaplasia of the upper urinary tract, Haugen SC; Wasserman NF, Urol Radiol 1986; 8: 211

- Genitourinary system, effects of irradiation on** quantified approach to the analysis and prevention of urinary complications in radiotherapeutic treatment of cancer of the cervix, Pourquier H; Delard R; Achille E; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1025

Genitourinary system, hemorrhage

- computed tomography demonstration of traumatic suburothelial hemorrhage, Mirich D; Raval B, CT 1986; 10: 71

Genitourinary system, infection

- distribution of renal scars and intrarenal reflux in children with a past history of urinary tract infection, Hannerz L; Wikstad I; Johansson L; et al, Acta Radiol 1987; 28: 443

- duplex collecting system in girls with urinary tract infection: prevalence and significance, Bisset GS III; Strife JL, AJR 1987; 148: 497

- early ureteric changes in *Schistosoma haematobium* infection, Hugosson CO; Olsen P, Clin Radiol 1986; 37: 501

- intra-renal reflux: new cause of medullary hypercholesterolemia, Diard F; Nicolau A; Bernard S, Pediatr Radiol 1987; 17: 154

- is ultrasound screening for urinary tract infection "cost effective"? Diamant MJ, Pediatr Radiol 1988; 18: 157

- localization of urinary tract infection with ^{99m}Tc glucoheptonate scintigraphy, Traisman ES; Conway JJ; Traisman HS; et al, Pediatr Radiol 1986; 16: 403

- options in the evaluation of pediatric urinary tract infections: role of radiography and ultrasound, Mason WG Jr; Stevens PS, Semin US CT MR 1986; 7: 234

- protocol for the investigation of infants and children with urinary tract infection, Whyte KM; Abbott GD; Kennedy JC; et al, Clin Radiol 1988; 39: 278

- radiographic evaluation of children with urinary tract infections, Reid BS; Bender TM, Radiol Clin North Am 1988; 26: 393

- renal sonography in the differentiation of upper from lower urinary tract infection, Dinkel E; Orth S; Dittrich M; et al, AJR 1986; 146: 775

- renal ultrasound evaluation of urinary tract infections in children, (ab), Johnson CE; DeBaz BP; Shurin PA; et al, Radiology 1987; 164: 888

- ultrasonographic aspects of urinary schistosomiasis: assessment of morphological lesions in the upper and lower urinary tract, Dittich M; Doebering E, Pediatr Radiol 1986; 16: 225

- ultrasonography in the radiologic evaluation of children with urinary tract infection, (ab), Alon U; Pery M; Davidai G; et al, Radiology 1987; 162: 591

- ureteral dilatation in children with febrile urinary tract infection or bacteriuria, Hellstrom M; Jodal U; Marild S; et al, AJR 1987; 148: 483

- urinary tract infection in children: putting radiology in its place, Lebowitz RL; Mandell J, Radiology 1987; 165: 1

- urinary tract infections in childhood: current imaging approach, Hayden CK Jr; Swischuk LE; Fawcett HD; Rytting JE; McCord G, Radiographics 1986; 6: 1023

- urinary tract infections: recent developments, (ab), Andriole VT, Radiology 1988; 167: 292

- urography and voiding cystourethrography: findings in girls with urinary tract infection, Bisset GS III; Strife JL; Dunbar JS, AJR 1987; 148: 479

- US demonstration of pyelitis and ureteritis in children, Avni EF; Van Gansbeke D; Thoua Y; et al, Pediatr Radiol 1988; 18: 134

Genitourinary system, injuries

- computed tomography demonstration of traumatic suburothelial hemorrhage, Mirich D; Raval B, CT 1986; 10: 71

Genitourinary system, interventional procedure

- benign prostatic hypertrophy: retrograde transurethral dilation of the prostatic urethra in humans: work in progress, Castaneda F; Reddy PK; Wasserman N; Hulbert JC; Lund GB; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1987; 163: 649

- needle endoscopy in special procedures, Cope C, Radiology 1988; 168: 353

- percutaneous and extracorporeal management of urolithiasis, Erturk E; Lange PH; Hulbert JC, Invest Radiol 1987; 22: 995

- percutaneous pyeloplasty in children: experience in three patients, Towbin RB; Wackman J; Ball WS Jr, Radiology 1987; 163: 381

- prostatic urethra: experimental dilation in dogs, Castaneda F; Lund GB; Larson BW; Limes E; Urness M; Reddy PK; Wasserman N; Hulbert JC; Hunter DW; Castaneda-Zuniga WR; Amplatz K, Radiology 1987; 163: 645

- subepithelial pyeloureteric lesions in patients with nephrostomy tubes, Cory DA; Tarver KD; Baker MK; et al, Br J Radiol 1987; 60: 449

- upper urinary tract: pyelography and interventional procedures, Thomsen HS; Dorph S, Acta Radiol 1987; 28: 129

Genitourinary system, MR studies

- genitourinary radiology, RSNA '87 meeting notes, Dunnick NR; Bettmann MA; Foley WD; Lang E; McClennan BL; Newhouse JH; Rifkin MD, Radiology 1988; 166: 601

- image contrast and pulse sequences in urinary tract magnetic resonance imaging, Newhouse JH, Urol Radiol 1986; 8: 120

- MR imaging in Drash syndrome, Boechat MI; Kangaroo H, JCAT 1988; 12: 405

- MR imaging of the pelvis, Heiken JP; Lee JKT, Radiology 1988; 166: 11

- Mullerian duct cyst: diagnosis with MR imaging, Thurnher S; Hricak H; Tanagho EA, Radiology 1988; 168: 25

- normal penile anatomy and abnormal penile conditions: evaluation with MR imaging, Hricak H; Marotti M; Gilbert TJ; Lue TF; Wetzel LH; McAninch JW; Tanagho EA, Radiology 1988; 169: 683

- pelvic abnormalities in children: assessment with MR imaging, Dietrich RB; Kangaroo H, Radiology 1987; 163: 367

- primary bladder carcinoma: evaluation with MR imaging, Rholl KS; Lee JKT; Heiken JP; Ling D; Glazer HS, Radiology 1987; 163: 117

Genitourinary system, neoplasms

- carcinoma of the urachus demonstrated by CT, Gurrett JP; Ody B; Megevand M, Eur J Radiol 1987; 7: 142

- correlation of Doppler US tumor signals with neovascular morphologic features, Taylor KJW; Ramos J; Carter D; Morse SS; Snower D; Fortune K, Radiology 1988; 166: 57

- elderly man with hematuria and a pelvic mass, Zagoria RJ; Higgins WJ; King GT; et al, Invest Radiol 1987; 22: 424

- epidural cord compression in association with genitourinary neoplasms, (ab), Liskow A; Chang CH; DeSanctis P; et al, Radiology 1987; 162: 888

- experience with modified Chiba needle in staging of genitourinary tumors, (ab), Luciani L; Pisciolli F, Radiology 1986; 158: 569

- long-term follow-up of the upper urinary tract for transitional cell carcinoma: how much is enough?, Pollack HM, Radiology 1988; 167: 871

- MR imaging of the pelvis, Heiken JP; Lee JKT, Radiology 1988; 166: 11

- normal penile anatomy and abnormal penile conditions: evaluation with MR imaging, Hricak H; Marotti M; Gilbert TJ; Lue TF; Wetzel LH; McAninch JW; Tanagho EA, Radiology 1988; 169: 683

- pelvic abnormalities in children: assessment with MR imaging, Dietrich RB; Kangaroo H, Radiology 1987; 163: 367

- staging of genitourinary cancers: the role of diagnostic imaging, (ab), Friedland GW, Radiology 1988; 166: 588

- synchronous and metachronous transitional cell carcinoma of the urinary tract: prevalence, incidence, and radiographic detection, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, Radiology 1988; 167: 613

- urologic cancer: methods of early detection and future developments, (ab), Hricak H, Radiology 1988; 166: 909

Genitourinary system, prostheses

- artificial urinary sphincters: plain radiography of malfunction and complications, Rose SC; Hansen ME; Webster GD; Zakrzewski C; Cohen RH; Dunnick NR, Radiology 1988; 168: 403

Genitourinary system, radiography

- interventional genitourinary radiology in children: review of 61 procedures, Ball WS Jr; Towbin RB; Strife JL; et al, AJR 1986; 147: 791

- nonionic versus ionic contrast media in intravenous urography: clinical trial in 1,000 consecutive patients, Jacobson BF; Jorulf H; Kalantar MS; Narasimham DL, Radiology 1988; 167: 601

- options in the evaluation of pediatric urinary tract infections: role of radiography and ultrasound, Mason WG Jr; Stevens PS, Semin US CT MR 1986; 7: 234

- radiology of male perirethral structures, Amis ES Jr; Newhouse JH; Cronan JJ, AJR 1988; 151: 321

- undiversion of the urinary tract: the pre- and postoperative evaluation, Fernbach SK; Holland EA, Radiographics 1988; 8: 213

- urinary tract infections in childhood: current imaging approach, Hayden CK Jr; Swischuk LE; Fawcett HD; Rytting JE; McCord G, Radiographics 1986; 6: 1023

- Genitourinary system, radionuclide studies** comparison of technetium-99m-thiodiglycolic acid and iodine-123-hippuran in the evaluation of equivocal upper urinary tract obstruction, Bevis CRA; Shields RA; Lawson RS; et al, Br J Radiol 1987; 60: 661

- localization of urinary tract infection with ^{99m}Tc glucoheptonate scintigraphy, Traisman ES; Conway JJ; Traisman HS; et al, Pediatr Radiol 1986; 16: 403

- urinary tract infections in childhood: current imaging approach, Hayden CK Jr; Swischuk LE; Fawcett HD; Rytting JE; McCord G, Radiographics 1986; 6: 1023

- volume expansion diuretic renal scan in urinary tract obstruction, Howman-Giles R; Uren R; Roy LP; et al, J Nucl Med 1987; 28: 824

- Genitourinary system, schistosomiasis** See Schistosomiasis

- Genitourinary system, stenosis or obstruction** acquired ureteropelvic junction obstruction in childhood, Cleveland RH; Kushner DC; Herman TE; et al, Pediatr Radiol 1986; 16: 76

- assessment of prostatitis: role of intravenous urography, Wasserman NF; Lapointe S; Eckmann DR; Rosel PR, Radiology 1987; 165: 831

- coexistence of obstruction at the ureteropelvic and ureterovesical junctions, McGrath MA; Estroff J; Lebowitz RL, AJR 1987; 149: 403

- comparison of technetium-99m-thiodiglycolic acid and iodine-123-hippuran in the evaluation of equivocal upper urinary tract obstruction, Bevis CRA; Shields RA; Lawson RS; et al, Br J Radiol 1987; 60: 661

- Drury ureteral stent set: clinical experience in 25 patients, Rozenblit G; Tarasov E; Srur MF; Neithamer CD Jr; Sumers EH; Sos TA, Radiology 1986; 160: 737

- masked obstruction of the renal collecting system, Blue PW; Manier SM; Ghaed N, Clin Nucl Med 1987; 12: 497

- percutaneous pyeloplasty in children: experience in three patients, Towbin RB; Wackman J; Ball WS Jr, Radiology 1987; 163: 381

- percutaneous surgery for ureteropelvic junction obstruction (endopyelotomy): technique and early results, (ab), Badiani G; Eshghi M; Smith AD, Radiology 1986; 159: 821

- renal obstruction in patients with ileal loops: US evaluation, Cronan JJ; Amis ES Jr; Scola FH; Schepps B, Radiology 1986; 158: 647

Genitourinary system, stenosis or obstruction

- urinary obstruction in renal transplants: diagnosis by antegrade pyelography and results of percutaneous treatment, Smith TP; Hunter DW; Letourneau JG; et al, *AJR* 1988; 151: 507
- volume expansion diuretic renal scan in urinary tract obstruction, Howman-Giles R; Uren R; Roy LP; et al, *J Nucl Med* 1987; 28: 824
- Genitourinary system, therapeutic radiology**
- genito-urinary sites, Rotman M; Pilepich M, *Int J Radiat Oncol Biol Phys* 1988; 14: S159
- Genitourinary system, US studies**
- comparison of real-time ultrasonography with intravenous urography in the follow-up of patients with spinal cord injury, Morcos SK; Thomas DG, *Clin Radiol* 1988; 39: 49
- correlation of Doppler US tumor signals with neovascular morphologic features, Taylor KJW; Ramos I; Carter D; Morse SS; Snower D; Fortune K, *Radiology* 1988; 166: 57
- CT and sonography of advanced urinary tract tuberculosis, Premkumar A; Lattimer J; Newhouse JH, *AJR* 1987; 148: 65
- is ultrasound screening for urinary tract infection "cost effective"? Diamant MJ, *Pediatr Radiol* 1988; 18: 157
- Mayer-Rokitansky-Kuster-Hauser syndrome: sonographic aid to diagnosis, Swayne LC; Rubenstein JB; Mitchell B, *J Ultrasound Med* 1986; 5: 287
- Mayer-Rokitansky-Kuster-Hauser syndrome: US aid to diagnosis, Rosenberg HK; Sherman NH; Tarry WF; Duckett JW; Snyder HM, *Radiology* 1986; 161: 815
- options in the evaluation of pediatric urinary tract infections: role of radiography and ultrasound, Mason WG Jr; Stevens PS, *Semin US CT MR* 1986; 7: 234
- pediatric urosonography: update, Haller JO; Cohen HL, *Urol Radiol* 1987; 9: 99
- renal obstruction in patients with ileal loops: US evaluation, Cronan JJ; Amis ES Jr; Scolia FH; Schepps B, *Radiology* 1986; 158: 647
- renal sonography in the differentiation of upper from lower urinary tract infection, Dinkel E; Orth S; Dittrich M; et al, *AJR* 1986; 146: 775
- urinary tract dilatation in utero: classification and clinical applications, Grignon A; Filion R; Filiatrault D; Robitaille P; Homsy Y; Boutin H; Leblond R, *Radiology* 1986; 160: 645
- urinary tract infections in childhood: current imaging approach, Hayden CK Jr; Swischuk LE; Fawcett HD; Rytting JE; McCord G, *Radiographics* 1986; 6: 1023
- Genitourinary tract**
- See Genitourinary system; Urine; Urography; under names of organs, such as Bladder; Kidney
- Glioma**
- See Brain neoplasms
- Glomus jugulare, neoplasms**
- common tumors of the parapharyngeal space: refined imaging diagnosis, Som PM; Sacher M; Stollman AL; Biller HF; Lawson W, *Radiology* 1988; 169: 81
- glomus jugulare tumors revisited: ten-year statistical follow-up of 231 cases, (ab), Brown JS, *Radiology* 1986; 158: 861
- glomus jugulare tumors seen in Oxford 1960-1984, Cole DJ, *Clin Radiol* 1988; 39: 83
- temporal bone region: high-resolution MR imaging using surface coils, Koenig H; Lenz M; Sauter R, *Radiology* 1986; 159: 191
- vascular masses in the middle ear, Phelps PD; Lloyd GAS, *Clin Radiol* 1986; 37: 359
- Glucagon**
- barium filling for glucagon-resistant spasm, Feuerstein IM; Margulis AR, *Radiology* 1987; 164: 876
- barium filling for glucagon-resistant spasm on double-contrast barium enema examinations, Levine MS; Gasparaitis AE, *Radiology* 1986; 160: 264
- effect of glucagon-(1-21)-peptide on gastrointestinal motility during upper gastrointestinal examination: randomized trials, Strandberg C; Falkenlöv P; Dorph S; et al, *Acta Radiol* 1988; 29: 49
- glucagon-induced small bowel air reflux: degrading effects on double-contrast colon examination, Stone EE; Conte FA, *Gastrointest Radiol* 1988; 13: 212
- glucagonoma syndrome, (ab), Bloom SR; Polak JM, *Radiology* 1988; 166: 585
- use of glucagon and gas-forming agents in acute esophageal food impaction, Smith JC; Janower ML; Geiger AH, *Radiology* 1986; 159: 567
- value of glucagon in routine barium investigations of the gastrointestinal tract, Rothe AJ; Young JWR; Keramati B, *Invest Radiol* 1987; 22: 786
- Glucose**
- alternative approach to estimate lumped constant in the deoxyglucose model: simulation and validation, Matsuda H; Nakai H; Jovkar S; et al, *J Nucl Med* 1987; 28: 471
- computed tomographic imaging of the brain in after hypoglycemia coma, Iwai A; Sakamoto T; Kinoshita Y; et al, *Neuroradiol* 1987; 29: 398
- effect of moderate level x-radiation to brain on cerebral glucose utilization, Lo M; Patronas NJ; Di Chiro G; et al, *JCAT* 1986; 10: 584
- F-19 MR imaging of glucose metabolism in the rabbit, Nakada T; Kwee IL; Griffey BV; Griffey RH, *Radiology* 1988; 168: 823
- fluorine-19 NMR imaging of glucose metabolism, Nakada T; Kwee IL; Card PJ; et al, *Magn Res Med* 1988; 6: 307
- global cerebral glucose utilization is independent of brain size: a PET study, Hatazawa J; Brooks RA; Di Chiro G; et al, *JCAT* 1987; 11: 571
- glucose transport and utilization in the human brain: model using carbon-11 methylglucose and positron emission tomography, Feinendegen LE; Herzog H; Wieler H; et al, *J Nucl Med* 1986; 27: 1867
- glucose utilization by intracranial meningiomas as an index of tumor aggressivity and probability of recurrence: a PET study, Di Chiro G; Hatazawa J; Katz DA; Rizzoli HV; De Michele DJ, *Radiology* 1987; 164: 521
- methodologic factors affecting PET measurements of cerebral glucose metabolism, Jagust WJ; Budinger TF; Huesman RH; et al, *J Nucl Med* 1986; 27: 1358
- modification of human tumor pH by elevation of blood glucose, Thistlethwaite AJ; Alexander GA; Moylan DJ III; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 603
- positron emission tomography imaging of regional cerebral glucose metabolism, Alavi A; Dann R; Chawluk J; et al, *Semin Nucl Med* 1986; 16: 2
- regional myocardial glucose metabolism in angina pectoris obtained from positron emission tomography, Spinks TJ; Araujo LI; Camici P, *J Thorac Imag* 1988; 3-2: 56
- stability of regional cerebral glucose metabolism in the normal brain measured by positron emission tomography, Tyler JL; Strother SC; Zatorre RJ; et al, *J Nucl Med* 1988; 29: 631
- test-retest studies of cerebral glucose metabolism using fluorine-18 deoxyglucose: validation of method, Brooks RA; Di Chiro G; Zukerberg BW; et al, *J Nucl Med* 1987; 28: 53
- two behavioral states studied in a single PET/CT procedure: theory, method, and preliminary results, Chang JY; Duara R; Barker W; et al, *J Nucl Med* 1987; 28: 852
- "upside-down" contrast-urine level in glycosuria: CT features, Savit RM; Udis DS, *JCAT* 1987; 11: 911
- Glycogen**
- influence of glycogen on water proton relaxation times, Gore JC; Brown MS; Mizumoto CT; et al, *Magn Res Med* 1986; 3: 463
- natural abundance ^{13}C NMR spectrum of glycogen in humans, Yue T; Lohman JB; Ordidge RJ; et al, *Magn Res Med* 1987; 5: 377
- Glycogen storage disease**
- cardiac MR imaging in Pompe disease, Boxer RA; Fishman M; LaCorte MA; et al, *JCAT* 1986; 10: 857
- radionuclide evaluation of a patient with neonatal presentation of Pompe's disease, Lorber A; Hardoff R; Front A, *Clin Nucl Med* 1987; 12: 972
- Goiter**
- computed tomography in amyloid goiter, Miyake H; Maeda H; Isomoto I; et al, *JCAT* 1988; 12: 621
- CT demonstration of isolated mediastinal goiter, Sussman SK; Silverman PM; Donnal JF, *JCAT* 1986; 10: 863
- efficacy of thyroid scintigraphy in the diagnosis of intrathoracic goiter, Park H-M; Tarver RD; Siddiqui AR; et al, *AJR* 1987; 148: 527
- Graves' disease: initial presentation with exophthalmos and solitary hot nodule, Vento JA; Slavin JD Jr; Reardon GE; et al, *Clin Nucl Med* 1986; 11: 404
- hyperthyroidism caused by a toxic intrathoracic goiter with a normal-sized cervical thyroid gland, Prakash R; Lakshminath N; Jena A; et al, *J Nucl Med* 1986; 27: 1423
- iodine-123 SPECT of the thyroid in multinodular goiter, Chen JJS; LaFrance ND; Rippin R; et al, *J Nucl Med* 1988; 29: 110
- long-term follow-up in untreated Plummer's disease (autonomous goiter), Wiener JD, *Clin Nucl Med* 1987; 12: 198
- MR imaging in thyroid disorders: correlation of signal intensity with Graves disease activity, Charles ND; Maurer AH; Siegel JA; Radecki PD; Malmud LS, *Radiology* 1987; 164: 491
- ophthalmopathy of Graves' disease: computerized volume measurements of the orbital fat and muscle, Forbes G; Gorman CA; Brennan MD; et al, *AJNR* 1986; 7: 651
- severe thyrotoxicosis caused by an ectopic intrathoracic goiter, Fogelfeld L; Rubinstein U; Bar-On J; et al, *Clin Nucl Med* 1986; 11: 20
- sublingual pyramidal lobe: complications of subtotal thyroidectomy for Graves' disease, Sternberg JL, *Clin Nucl Med* 1986; 11: 766
- thyroid uptake of gallium in Graves' disease, Allard JC; Lee VW; Franklin P, *Clin Nucl Med* 1988; 13: 663
- visualization of suppressed normal thyroid tissue by thallium-201 in patients with toxic nodular goiter, Iida Y; Kasagi K; Misaki T; et al, *Clin Nucl Med* 1988; 13: 283
- Gold, radioactive**
- gated right ventricular studies using krypton-81m: comparison with first-pass studies using gold-195m, Caplin JL; Flatman WD; Dymond DS, *J Nucl Med* 1986; 27: 602
- Gout**
- case report 445, Podgorski MR; Ibel LS; Webb J, *Skeletal Radiol* 1987; 16: 589
- inability of bone and gallium imaging to differentiate acute gouty arthritis from septic arthritis, Boxen I, *Clin Nucl Med* 1986; 11: 443
- Grafts**
- atherosclerotic rabbit aortas: expandable intraluminal grafting, Palmaz JC; Windeler SA; Garcia F; Tio FO; Sibbitt RR; Reuter SR, *Radiology* 1986; 160: 723
- coronary artery bypass grafts: visualization with MR imaging, Gomes AS; Lois JF; Drinkwater DC Jr; Corday SR, *Radiology* 1987; 162: 175
- graft patency evaluation with DSA after reconstructive venous surgery, Morano JU; Burkhalter JL, *Radiology* 1986; 160: 267
- in situ saphenous vein bypass graft: radiologic aspects, Schwarz W; Nozick J; Richmond D; et al, *AJR* 1986; 146: 605
- radiographic evaluation of the free jejunal graft, Torres WE; Fibus TF; Coleman JJ III; et al, *Gastrointest Radiol* 1987; 12: 226
- recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts, Rissus B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR; Grossbard EB, *Radiology* 1986; 160: 183
- small bowel disease in children: diagnosis with CT, Siegel MJ; Evans SJ; Balfe DM, *Radiology* 1988; 169: 127
- totally autogenous venovenous composite bypass grafts: salvage of the almost irretrievable extremity, (ab), Harris RW; Andros G; Salles-Cunha SX, *Radiology* 1987; 163: 292

Grafts, infection

- 111 In-labeled leukocytes in the detection of prosthetic vascular graft infections. Williamson MR; Boyd CM; Read RC; et al. *AJR* 1986; 147: 173
- giant cell tumor of bone: radiographic changes following local excision and allograft replacement. Kattapuram SV; Phillips WC; Mankin HJ. *Radiology* 1986; 161: 493
- indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoaneurysms. Gilbert BR; Cerqueira MD; Vea HW; Nelp WB. *Radiology* 1986; 158: 761
- indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoaneurysms. Bauman JM; Landry AJ; Cawthon MA; Hartshorne MF. *Radiology* 1986; 161: 570

Grafts, radionuclide studies

- 111 In-labeled leukocytes in the detection of prosthetic vascular graft infections. Williamson MR; Boyd CM; Read RC; et al. *AJR* 1986; 147: 173

Grafts, stenosis

- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications. Kinnison ML; Perler BA; Kaufman SL; Mitchell SE; Kadir S; Williams GM; White RI Jr. *Radiology* 1986; 160: 727
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications. LeMaitre GD. *Radiology* 1987; 163: 583
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications: reply. Kinnison ML; Perler BA. *Radiology* 1987; 163: 584
- intravenous digital subtraction angiography in patients with suspected bypass graft occlusion following surgery for peripheral vascular disease. Butler P; Williamson B. *Br J Radiol* 1986; 59: 329
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries. Koppensheimer R; Minar E; Ahmadi R; Jung M; Ehringer H. *Radiology* 1988; 168: 877
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries: reply. Risius B. *Radiology* 1988; 168: 877
- stenoses in dialysis fistulas: treatment with percutaneous angioplasty. Saeed M; Newman GE; McCann RL; Sussman SK; Braun SD; Dunnick NR. *Radiology* 1987; 164: 693
- thrombolysis of occluded femoropopliteal grafts. Gardiner GA Jr; Koltun W; Kandarpa K; et al. *AJR* 1986; 147: 621
- thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses. Risius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR. *Radiology* 1987; 164: 465

Grafts, therapeutic radiology

- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications. LeMaitre GD. *Radiology* 1987; 163: 583
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications: reply. Kinnison ML; Perler BA. *Radiology* 1987; 163: 584

Granulocytes

See Leukocytes

Granuloma

- cerebral vasculitis secondary to Wegener's granulomatosis: computed tomography and angiographic findings. Yamashita Y; Takahashi M; Bussaka H; et al. *CT* 1986; 10: 115
- cholesterol granuloma of the facial skeleton. Lloyd GAS. *Br J Radiol* 1986; 59: 481
- cholesterol granuloma of the petrous apex. (ab). Gherini SG; Brackmann DE; Lo WWM; et al. *Radiology* 1986; 159: 574
- computed tomography of diffuse tracheal stenosis in Wegener granulomatosis. Stein MG; Gamsu G; Webb WR; et al. *JCAT* 1986; 10: 868
- computed tomography of lethal midline granuloma: 5 case reports. Ovtchinnikoff S; Blin D; Rouanet JP; et al. *Eur J Radiol* 1988; 8: 145

computed tomography of renal lymphomatoid granulomatosis. Abeln EL; Paushter DM; Mehta A. *JCAT* 1988; 12: 671

CT of CNS lesions in lymphomatoid granulomatosis: case report. Podlas HB; Gritzman MCD; Thomaidis S; et al. *AJNR* 1988; 9: 592

extraosseous bone-tracer uptake: plasma cell granuloma. Wells RG; Sty JR. *Clin Nucl Med* 1986; 11: 527

gallium-67 breast uptake in a patient with hypothalamic granuloma (sarcoid). Vazquez R; Oates E; Sarno RC; et al. *J Nucl Med* 1988; 29: 118

granulomatous cystitis in chronic granulomatous disease: ultrasound diagnosis. Hassel DR; Glasier CM; McConnell JR. *Pediatr Radiol* 1987; 17: 254

indium-111 leukocyte scintigraphy in Wegener's granulomatosis involving the spleen. Morayati SF; Fink-Bennett D. *J Nucl Med* 1986; 27: 1864

intravesical bacillus Calmette-Guerin therapy and associated granulomatous renal masses. (ab). Stanisic TH; Brewer ML; Graham AR. *Radiology* 1986; 160: 285

juvenile xanthogranuloma with pulmonary lesions. Gupta AK; Bhargava S. *Pediatr Radiol* 1988; 18: 70

midline granuloma due to illicit cocaine use. (ab). Becker GD; Hill S. *Radiology* 1988; 169: 590

plasma cell granuloma of the lung. Doyle AJ. *Australas Radiol* 1988; 32: 144

post-operative intracranial foreign body granuloma: a case report. Djindjian M; Brugieres P; Razavi-Encha F; et al. *Neuroradiol* 1987; 29: 497

pulmonary metastatic disease: radiologic-surgical correlation. Feuchot M; Libshitz HI. *Radiology* 1987; 164: 719

pulmonary metastatic disease: radiologic-surgical correlation. Goodman LR. *Radiology* 1988; 167: 284

pulmonary metastatic disease: radiologic-surgical correlation: reply. Libshitz HI. *Radiology* 1988; 167: 284

pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study. Littleton JT. *Radiology* 1987; 162: 288

pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study: reply. Chasen MH; McCarthy MJ. *Radiology* 1987; 162: 288

pulmonary scintigraphy in talc granulomatosis. Yussen PS; LaManna MM. *Clin Nucl Med* 1987; 12: 949

rheumatoid nodulosis: report of a case with evidence of intrasosseous rheumatoid granuloma. (ab). Morales-Piga A; Elena-Ibanez A; Zea-Mendoza AC; et al. *Radiology* 1987; 163: 590

spermatic granuloma complicating abdominoperineal resection of the rectum: diagnosis by CT, MR imaging, and percutaneous biopsy. Feaster SH; Kinard RE; Yancey JM; et al. *AJR* 1987; 149: 529

sperm granuloma. Ramanathan K; Yaghoobian J; Pinck RL. *JCU* 1986; 14: 155

tumorlike tuberculous granulomas of bone. Abdelwahab IF; Present DA; Zwass A; et al. *AJR* 1987; 149: 1207

variable CT appearance of plasma cell granuloma of the lung. Shapiro MP; Gale ME; Carter BL. *JCAT* 1987; 11: 49

Wegener's granulomatosis in North India: radiologic manifestations in eleven patients. Bamberg P; Kataria S; Sakhuja V; et al. *Acta Radiol* 1988; 29: 11

Wegener's granulomatosis involving the breast: report of three cases and review of the literature. (ab). Jordan JM; Rowe WT; Allen NB. *Radiology* 1988; 166: 588

Wegener's granulomatosis presenting with erosive arthritis. (ab). Jacobs RP; Moore M; Brower A. *Radiology* 1988; 167: 590

Granuloma, eosinophilic

See Histiocytosis

Granuloma, giant-cell reparative

computed tomographic appearance of giant cell reparative granuloma of a tarsal bone. Cook KL; Braunstein EM. *Comput Med Imag Graph* 1988; 12: 111

giant cell reparative granuloma and other giant cell lesions of the bones of the hands and feet. Picci P; Baldini N; Sudanese A; et al. *Skeletal Radiol* 1986; 15: 415

Granulomatosis

See Granuloma

Graves disease

See Goiter; Thyroid, hyperthyroidism

Grids

See Radiography, technology

Gynecology

ethical dilemmas in reproductive medicine. Work BA Jr. *Invest Radiol* 1988; 23: 404

failure patterns in gynecologic cancer. Brady LW; Perez CA; Bedwinek JM. *Int J Radiat Oncol Biol Phys* 1986; 12: 549

imaging of questionable and unusual pelvic masses. Reuter KL; D'Orsi CJ; Raptopoulos V; et al. *Br J Radiol* 1986; 59: 765

Gynecology, MR studies

magnetic resonance imaging in obstetrics and gynecology. McCarthy SM. *Magn Res Imag* 1986; 4: 59

magnetic resonance imaging of the female pelvis. Pitus D; Lee JKT. *Urol Radiol* 1986; 8: 166

MRI of the female pelvis: review. Hricak H. *AJR* 1986; 146: 1115

Gynecology, US studies

ovary volume in young and premenopausal adults: US determination. work in progress. Munn CS; Kiser LC; Wetzner SM; Baer JE. *Radiology* 1986; 159: 731

value of ultrasound in the initial assessment of gynecological patients. Kurjak A; Jurkovic D. *Ultrasound Med Biol* 1987; 13: 401

Gynecostasia

See Breast, male

H**Hamartoma**

appearances of multiple biliary hamartomas of the liver (von Meyenberg complexes) on computed tomography. Cooke JC; Cooke DAP. *Clin Radiol* 1987; 38: 101

case report: computed tomographic appearances of benign hepatic hamartoma. Jennings CM; Merrill CR; Slater DN. *Clin Radiol* 1987; 38: 103

Castleman disease of the retroperitoneum: CT demonstration. Greenstein S; Fishman EK; Kaufman SL; et al. *JCAT* 1986; 10: 547

chest wall hamartoma in a fetus. Brar MK; Cubberley DA; Batty BJ; et al. *J Ultrasound Med* 1986; 7: 217

Cowden's disease: a case report and literature review. Chen YM; Ott DJ; Wu WC; et al. *Gastrointest Radiol* 1987; 12: 325

CT and sonography of multiple bile-duct hamartomas simulating malignant liver disease (case report). Eisenberg D; Hurwitz L; Yu AC. *AJR* 1986; 147: 279

elusive nasopharyngeal hamartoma in a neonate. Cook KL; DiPietro MA; Bogdasarian RS. *Pediatr Radiol* 1988; 18: 351

mesenchymal hamartoma of the liver: computed tomography and ultrasonography. Giyanani VL; Meyers PC; Wolfson JJ. *JCAT* 1986; 10: 51

mesenchymal hamartoma of the liver in an adult: radiologic diagnosis. Gutierrez OH; Burgener FA. *Gastrointest Radiol* 1988; 13: 341

mesenchymal hamartoma of the liver: radiologic-pathologic correlation. Ros PR; Goodman ZD; Ishak KG; Dachman AH; Olmsted WW; Hartman DS; Lichtenstein JE. *Radiology* 1986; 158: 619

mesenchymal hamartomas of the liver in childhood: sonographic and CT findings. Stanley P; Hall TR; Woolley MM; et al. *AJR* 1986; 147: 1035

mesenchymoma of the lung (so called hamartoma): a review of 154 parenchymal and endobronchial cases. (ab). van den Bosch JMM; Wagenaar SS; Corrin B; et al. *Radiology* 1988; 168: 587

MR appearance of hypothalamic hamartoma. Hahn FJ; Leibrock LG; Huseman CA; et al. *Neuroradiol* 1988; 30: 65

MR characteristics of benign lymph node enlargement in sarcoidosis and Castleman's disease. de Geer G; Webb WR; Sollitto R; et al. *Eur J Radiol* 1986; 6: 145

Hamartoma

- neuroradiologic findings of hypothalamic hamartoma with emphasis on computed tomography, Nakagawa N; Takahashi M; Kohrogi Y; et al, *CT* 1986; 10: 77
- pediatric case of the day: annual meeting, 1987, Kaufman RA; Ball WS Jr; Han BK; Towbin RB, *Radiographics* 1988; 8: 997
- pulmonary hamartoma: CT findings, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1986; 160: 313
- pulmonary hamartoma: CT findings, Rubinstein I; Hoffstein V, *Radiology* 1987; 162: 878
- pulmonary hamartoma: CT findings: reply, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1987; 162: 878
- radiologic features of retroperitoneal cystic hamartoma, de Lange EE; Black WC; Mills SE, *Gastrointest Radiol* 1988; 13: 266
- retroretal cyst-hamartomas: CT diagnosis, Ottery FD; Carlson RA; Gould H; et al, *JCAT* 1986; 10: 260
- sonographic findings in a case of Castleman disease of the neck, Williams JL; Kaude JV, *J Ultrasound Med* 1986; 5: 593
- spontaneous regression of mesenchymal hamartoma: observations using ultrasound, Kenney JJ; Hendry GMA; Mackinlay GA, *JCU* 1986; 14: 72
- tailgut cyst: diagnosis with CT and sonography, Johnson AR; Ros PR; Hjermstad BM, *AJR* 1986; 147: 1309
- ultrasonography and CT of multiple bile duct hamartomas simulating dilated intrahepatic ducts, Arenson AM; Rosen IE; McKee JD; et al, *J Canad Assoc Radiol* 1988; 39: 26
- widespread Castleman disease: CT and US findings, Libson E; Fields S; Strauss S; Bloom RA; Okon E; Galun E; Polliack A, *Radiology* 1988; 166: 753

Hand

- See also Extremities; Fingers and toes
- high-field MR surface-coil imaging of the hand and wrist, part I. normal anatomy, Weiss KL; Beltran J; Shamam OM; Stilla RF; Levey M, *Radiology* 1986; 160: 143
- high-field MR surface-coil imaging of the hand and wrist, part II. pathologic correlations and clinical relevance, Weiss KL; Beltran J; Lubbers LM, *Radiology* 1986; 160: 147
- radiologic anthropometry of the hand in patients with familial short stature, Cervantes CD; Lifshitz F; Levenbrown J, *Pediatr Radiol* 1988; 18: 210
- Hand, abnormalities**
- bone loss in limbs with decreased or absent sensation: ten year follow-up of the hands in leprosy, MacMoran JW; Brand PW, *Skeletal Radiol* 1987; 16: 452
- evaluation of radiographic abnormalities of the hand in patients with the Mayer-Rokitansky-Kuster-Hauser syndrome, Strubbe EH; Thijn CJF; Willemsen WNP; et al, *Skeletal Radiol* 1987; 16: 227
- massive acroosteolysis in adult T-cell leukemia/lymphoma, Austin CB; Young JWR; Park HJ; Needleman BW; Handwerker BS; Rosenbaum RC, *Radiology* 1987; 164: 787
- radiologic anthropometry of the hand in patients with familial short stature, Cervantes CD; Lifshitz F; Levenbrown J, *Pediatr Radiol* 1988; 18: 210
- synovial and enthesitic reactions at the digits and wrist in sympathetic reflex dystrophy, (ab), Fischer E, *Radiology* 1986; 159: 822

Hand, arthritis

- carpal predominance in rheumatoid arthritis, Hendrix RW; Urban MA; Schroeder JL; Rogers LF, *Radiology* 1987; 164: 219
- rheumatoid arthritis: explanatory power of specific radiographic findings for patient clinical status, Kaye JJ; Callahan LF; Nance EP Jr; Brooks RH; Pincus T, *Radiology* 1987; 165: 753
- rheumatoid arthritis: similarity of radiographic abnormalities in men and women, Pathria MN; Bjorkengren AG; Jacob J; Kaplan PA; Kursunoglu S; Pate D; Sartoris DJ; Resnick D, *Radiology* 1988; 167: 793

- seronegative and seropositive rheumatoid arthritis: radiographic differences, El-Khoury GY; Larson RK; Kathol MH; Berbaum KS; Furst DE, *Radiology* 1988; 168: 517

Hand, injuries

- acute suppurative tenosynovitis of the hand: diagnosis with US, Jeffrey RB Jr; Laing FC; Schechter WP; Markison RE; Barton RM, *Radiology* 1987; 162: 741
- patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, Downey EF Jr; Curtis DJ, *Radiology* 1986; 158: 679
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- tendons: high-field-strength, surface coil MR imaging, Beltran J; Noto AM; Herman LJ; Lubbers LM, *Radiology* 1987; 162: 735
- Hand, neoplasms**
- extremity preservation by combined modality treatment of sarcomas of the hand and wrist, Okunieff P; Suit H; Propp KH, *Int J Radiat Oncol Biol Phys* 1986; 12: 1923
- metastatic tumours of bones of the hand and foot: a comparative review and report of 43 additional cases, Libson E; Bloom RA; Husband JE; et al, *Skeletal Radiol* 1987; 16: 387
- primary bone tumours of the hand: report of 21 cases, Kozlowski K; Azouz EM; Campbell J; et al, *Pediatr Radiol* 1988; 18: 140
- ultrasound examination of the hand, Fornage BD; Rifkin MD, *Radiology* 1986; 160: 853

Hand, prostheses

- total joint arthroplasty of hands and wrists, Beabout JW; Linscheid RL, *Semin Roentgenol* 1986; 21: 84

Hand, radiography

- patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, Downey EF Jr; Curtis DJ, *Radiology* 1986; 158: 679
- value of immersion hand radiography in soft tissue changes of musculoskeletal disorders, Ngo C; Yaghamal I, *Skeletal Radiol* 1988; 17: 259
- Hand, radionuclide studies**
- abnormalities of the hands during the arterial phase of skeletal scintigraphy, Lecklitner ML; Douglas KP, *Semin Nucl Med* 1987; 17: 360
- abnormalities of the hands during the blood-pool phase of skeletal scintigraphy, Lecklitner ML; Douglas KP, *Semin Nucl Med* 1987; 17: 363
- bilateral abnormalities of the hands during the osseous phase of skeletal scintigraphy, Lecklitner ML; Douglas KP, *Semin Nucl Med* 1987; 17: 368
- unilateral abnormalities of the hands during the osseous phase of skeletal scintigraphy, Lecklitner ML; Douglas KP, *Semin Nucl Med* 1987; 17: 366

Hand, US studies

- acute suppurative tenosynovitis of the hand: diagnosis with US, Jeffrey RB Jr; Laing FC; Schechter WP; Markison RE; Barton RM, *Radiology* 1987; 162: 741
- glomus tumors in the fingers: diagnosis with US, Fornage BD, *Radiology* 1988; 167: 183
- imaging studies of the cadaver hand using transmission ultrasound, Hentz VR; Green PS; Arditi M, *Skeletal Radiol* 1987; 16: 474
- preoperative sonographic localization of a migrated transosseous stabilizing wire in the hand, Fornage BD, *J Ultrasound Med* 1987; 6: 471
- sonographic preoperative localization of a foreign body in the hand, Fornage BD; Schernberg FL, *J Ultrasound Med* 1987; 6: 217
- sonography of the hand and foot in foreign body detection, Gooding CAW; Hardman T; Sumers M; et al, *J Ultrasound Med* 1987; 6: 441
- sound velocity in the middle phalanges of the human hand, Fredfeldt K-E, *Acta Radiol* 1986; 27: 95
- ultrasound examination of the hand, Fornage BD; Rifkin MD, *Radiology* 1986; 160: 853

- ultrasound examination of the hand and foot, Fornage BD; Rifkin MD, *Radiol Clin North Am* 1988; 26: 109

Head

See also Brain; Skull

Head, CT

- arteriovenous malformation simulating encephalocoele: CT findings, Silbergleit R; Gabrielsen TO, *JCAT* 1987; 11: 522
- average radiation doses in a standard head examination for 250 CT systems, McCrohan JL; Patterson JF; Gagne RM; Goldstein HA, *Radiology* 1987; 163: 263
- base of the skull imaging, Osborn AG; Harnsberger HR; Smoker WRK, *Semin US CT MR* 1986; 7: 91
- changes in cerebral perfusion after acute head injury, Powe J; Thompson T; Maguire C, *Radiology* 1988; 167: 581
- changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HM-PAO SPECT, Abdel-Dayem HM; Sadek SA; Kouris K; Bahar RH; Higazi I; Eriksson S; Englesson SH; Bernthman L; Sigurdsson GH; Foad M; Olivecrona H, *Radiology* 1987; 165: 221
- changes in cerebral perfusion after acute head injury: reply, Abdel-Dayem HM, *Radiology* 1988; 167: 582
- chronic cerebral herniation in shunted Dandy-Walker malformation, Naidich TP; Radkowski MA; McLone DG; Leestma J, *Radiology* 1986; 158: 431
- computed tomography of intracranial chondroma with emphasis on delayed contrast enhancement, Tanohata K; Maehara T; Aida N; et al, *JCAT* 1987; 11: 820
- computerized tomography CT in orbito-frontal injuries, Zouaoui A; Metzger J; Princ G; et al, *J Neuroradiol* 1986; 13: 291
- contribution of computerized tomography to the radiological study of craniofacial injuries: 34 cases, Halimi P; Doyon D; Bekkali F; et al, *J Neuroradiol* 1986; 13: 253
- cranial computed tomography in the morbidly obese patient, Curnes JT; Banning BC; Robards JB, *JCAT* 1987; 11: 920
- cranial CT findings in sclerosteosis, Hill SC; Stein SA; Dwyer A; et al, *AJNR* 1986; 7: 505
- CT findings in complete premature craniosynostosis, Jenkins JR, *Neuroradiol* 1987; 29: 216
- gas bubbles in polymethylmethacrylate cranioplasty simulating abscesses: CT appearance, Mason TO; Rose BS; Goodman JH, *AJNR* 1986; 7: 829
- head and neck radiology, RSNA '87 meeting notes, Som PM; Curtin HD; Hanafee WN, *Radiology* 1988; 166: 604
- head-hanging CT: alternative method for evaluating traumatic CSF rhinorrhea, Rothfus WE; Deeb ZL; Daffner RH; et al, *AJNR* 1987; 8: 155
- head injury: early results of comparing CT and high-field MR, Zimmerman RA; Bilaniuk LT; Hackney DB; et al, *AJNR* 1986; 7: 757
- head trauma: comparison of MR and CT—experience in 100 patients, Kelly AB; Zimmerman RD; Snow RB; et al, *AJNR* 1988; 9: 699
- intradiploic epidermoid cysts in adults: CT contribution to diagnosis in 6 new cases, Guizard J-M; Kien P; Colombani S; et al, *J Neuroradiol* 1986; 13: 22
- juvenile angiofibroma: imaging by magnetic resonance, CT and conventional techniques, (ab), Lloyd GAS; Phelps PD, *Radiology* 1987; 162: 887
- magnetic resonance imaging and computerized tomography in relation to the neurobehavioral sequelae of mild and moderate head injuries, (ab), Levin HS; Amparo E; Eisenberg HM; et al, *Radiology* 1988; 166: 590
- optimal positioning for CT examinations of the skull base: experimental and clinical studies, Honda H; Watanabe K; Kusumoto S; et al, *Eur J Radiol* 1987; 7: 225
- pediatric patients with achondroplasia: CT evaluation of the craniocervical junction, Wang H; Rosenbaum AE; Reid CS; Zinreich SJ; Pyeritz RE, *Radiology* 1987; 164: 515

- perineural tumor extension to the cavernous sinus from superficial facial carcinoma: CT manifestations, Woodruff WW Jr, Yeates AE, McLendon RE, *Radiology* 1986; 161: 395
- pilar cyst seen on computed tomography, Newmark H III, Chakmakian V, Ablemayor E, et al, *CT* 1986; 10: 369
- poor prediction of positive computed tomographic scans by clinical criteria in symptomatic pediatric head trauma, (ab), Rivara F, Taniguchi D, Parish RA, et al, *Radiology* 1988; 168: 295
- prospective comparative study of intermediate-field MR and CT in the evaluation of closed head trauma, Gentry LR, Godersky JC, Thompson B, et al, *AJNR* 1988; 9: 91
- strangulation in child abuse: CT diagnosis, Bird CR, McMahan JR, Gilles FH, Senac MO, Athorp JS, *Radiology* 1987; 163: 373
- tumor invasion of the anterior skull base: a comparison of MR and CT studies, Paling MR, Black WC, Levine PA, et al, *JCAT* 1987; 11: 824
- Virchow-Robin space: path of spread in neurosarcoidosis, Mirfakhrae M, Crofford MJ, Guinto FC Jr, Nauta HJW, Weedon VW, *Radiology* 1986; 158: 715
- ### Head, injuries
- bitemporal compression injury caused by static loading mechanism. report of two cases, (ab), Echizenya K, Satoh M, Nakagawa T, et al, *Radiology* 1986; 158: 284
- callus formation and the rate of healing of femoral fractures in patients with head injuries, (ab), Perkins R, Skirving AP, *Radiology* 1988; 166: 590
- case report: intradiploic leptomeningeal cyst of the frontal bone occurring as a complication of head injury in an adult, Cook PG, Norman PF, *Clin Radiol* 1988; 39: 214
- changes in cerebral perfusion after acute head injury, Powe J, Thompson T, Maguire C, *Radiology* 1988; 167: 581
- changes in cerebral perfusion after acute head injury: comparison of CT with Tc-99m HM-PAO SPECT, Abdel-Dayem HM, Sadek SA, Kouris K, Bahar RH, Higazi I, Eriksson S, Engleson SH, Bernthman L, Sigurdsson GH, Foad M, Olivecrona H, *Radiology* 1987; 165: 221
- changes in cerebral perfusion after acute head injury: reply, Abdel-Dayem HM, *Radiology* 1988; 167: 582
- complex fractures of the clavus: diagnosis with CT and clinical outcome in 11 patients, Joslyn JN, Mirvis SE, Markowitz B, *Radiology* 1988; 166: 817
- computerized tomography CT in orbito-frontal injuries, Zouaoui A, Metzger J, Princ G, et al, *J Neuroradiol* 1986; 13: 291
- contribution of computerized tomography to the radiological study of craniofacial injuries: 34 cases, Halimi P, Doyon D, Bekkali F, et al, *J Neuroradiol* 1986; 13: 253
- craniofacial fractures and brain injuries, Bracard S, Marchal J-C, Auque J, et al, *J Neuroradiol* 1986; 13: 265
- craniofacial injuries, Doyon D, Vaillant JM, Comoy J, *J Neuroradiol* 1986; 13: 229
- craniofacial injuries: neurosurgical problems, Comoy J, *J Neuroradiol* 1986; 13: 248
- direct CT demonstration suggesting oculomotor nerve avulsion following minor head trauma: case report, Asari S, Yamamoto Y, Satoh T, *Comput Radiol* 1987; 11: 131
- effect of head injury on fracture healing: a quantitative analysis, (ab), Spencer RF, *Radiology* 1988; 166: 590
- head injury: early results of comparing CT and high-field MR, Zimmerman RA, Bilaniuk LT, Hackney DB, et al, *AJNR* 1986; 7: 757
- head trauma: comparison of MR and CT—experience in 100 patients, Kelly AB, Zimmerman RD, Snow RB, et al, *AJNR* 1988; 9: 699
- hypovolemic shock in children, Kaufman RA, Stalker HP, *Radiology* 1988; 166: 579
- hypovolemic shock in children: abdominal CT manifestations, Taylor GA, Fallat ME, Eichelberger MR, *Radiology* 1987; 164: 479
- imaging recommendations for head trauma: a new comprehensive strategy, Thornbury JR, Masters SJ, Campbell JA, *AJR* 1987; 149: 781
- intravascular treatment of a cavernous fistula caused by rupture of a traumatic carotid trigeminal aneurysm, Flandroy P, Lacour P, Marsault C, et al, *Neuroradiol* 1987; 29: 308
- magnetic resonance imaging and computerized tomography in relation to the neurobehavioral sequelae of mild and moderate head injuries, (ab), Levin HS, Amparo E, Eisenberg HM, et al, *Radiology* 1988; 166: 590
- magnetic resonance imaging in acute head injury, Hadley DM, Teasdale GM, Jenkins A, et al, *Clin Radiol* 1988; 39: 131
- MR imaging of head trauma: review of the distribution and radiopathologic features of traumatic lesions, Gentry LR, Godersky JC, Thompson B, *AJNR* 1988; 9: 101
- neuroimaging and head injuries: where we've been—where we're going, Quencer RM, *AJR* 1988; 150: 13
- poor prediction of positive computed tomographic scans by clinical criteria in symptomatic pediatric head trauma, (ab), Rivara F, Taniguchi D, Parish RA, et al, *Radiology* 1988; 168: 295
- post-traumatic diabetes insipidus and amenorrhea-galactorrhea syndrome after pituitary stalk rupture, Massol J, Humbert P, Cattin F, et al, *Neuroradiol* 1987; 29: 299
- posttraumatic ethmoidal pseudomeningoencephalocele, Jinkins JR, *AJNR* 1987; 8: 649
- prospective comparative study of intermediate-field MR and CT in the evaluation of closed head trauma, Gentry LR, Godersky JC, Thompson B, et al, *AJNR* 1988; 9: 91
- radionuclide passage study in the diagnosis of osteo-dural fistulae, George B, Cophignon J, Dadsetan T, et al, *J Neuroradiol* 1986; 13: 286
- rhinorrhea and meningitis due to post-traumatic osteo-meningeal defects in the anterior cranial fossa: diagnosis with water-soluble CT cisternography, Prere J, Puech JL, Derover N, et al, *J Neuroradiol* 1986; 13: 278
- skull x-rays in head trauma: are they still necessary? a review of 1000 cases, Gamiak A, Feivel M, Hertz M, et al, *Eur J Radiol* 1986; 6: 89
- spontaneous occlusion of traumatic pericallosal aneurysm and pericallosal artery, Nakstad P, *Neuroradiol* 1987; 29: 312
- strangulation in child abuse: CT diagnosis, Bird CR, McMahan JR, Gilles FH, Senac MO, Athorp JS, *Radiology* 1987; 163: 373
- use of contrast media in patients with hypovolemic shock, Schiffer MS, *Radiology* 1988; 166: 579
- use of contrast media in patients with hypovolemic shock: reply, Taylor GA, Eichelberger MR, *Radiology* 1988; 166: 579
- ### Head, MR studies
- applications of magnetic resonance imaging to the head and neck, Dillon WP, Semin US CT MR 1986; 7: 202
- artifacts caused by cosmetics in MR imaging of the head, Sacco DC, Steiger DA, Bellon EM, et al, *AJR* 1987; 148: 1001
- characterization of MR spectroscopic imaging of the human head and limb at 2.0 T, Tropp JS, Sugiura S, Derby CA, Suzuki Y, Hawryszko C, Yamagata H, Klein JE, Ortendahl DA, Kaufman L, Acosta GF, *Radiology* 1988; 169: 207
- head and neck MR imaging in the pediatric patient, Dietrich RB, Lufkin RB, Kangaroo H, Hanafey WN, Wilson GH, *Radiology* 1986; 159: 769
- head and neck radiology. RSNA '87 meeting notes, Som PM, Curtin HD, Hanafey WN, *Radiology* 1988; 166: 604
- head injury: early results of comparing CT and high-field MR, Zimmerman RA, Bilaniuk LT, Hackney DB, et al, *AJNR* 1986; 7: 757
- head trauma: comparison of MR and CT—experience in 100 patients, Kelly AB, Zimmerman RD, Snow RB, et al, *AJNR* 1988; 9: 699
- intracranial lesions: flow-related enhancement on MR images using time-of-flight effects, Kucharczyk W, Kelly WM, Davis DO, Norman D, Newton TH, *Radiology* 1986; 161: 767
- juvenile angiofibroma: imaging by magnetic resonance, CT and conventional techniques, (ab), Lloyd GAS, Phelps PD, *Radiology* 1987; 162: 887
- magnetic resonance imaging and computerized tomography in relation to the neurobehavioral sequelae of mild and moderate head injuries, (ab), Levin HS, Amparo E, Eisenberg HM, et al, *Radiology* 1988; 166: 590
- magnetic resonance imaging in acute head injury, Hadley DM, Teasdale GM, Jenkins A, et al, *Clin Radiol* 1988; 39: 131
- magnetic resonance imaging of head and neck tumors, Dillon WP, Cardiovasc Intervent Radiol 1986; 8: 275
- magnetic resonance imaging of the head and neck, Lufkin RB, Hanafey WN, *Invest Radiol* 1988; 23: 162
- MR imaging of head trauma: review of the distribution and radiopathologic features of traumatic lesions, Gentry LR, Godersky JC, Thompson B, *AJNR* 1988; 9: 101
- MR imaging of hemorrhagic conditions of the head and neck, Grossman RI, Gomori JM, Goldberg HI, Hackney DB, Atlas SW, Kemp SS, Zimmerman RA, Bilaniuk LT, *Radiographics* 1988; 8: 441
- MR imaging of the nasopharynx and floor of the middle cranial fossa. part I. normal anatomy, Teresi LM, Lufkin RB, Vinuela FV, Dietrich RB, Wilson GH, Bentson JR, Hanafey WN, *Radiology* 1987; 164: 811
- MR imaging of the nasopharynx and floor of the middle cranial fossa. part II. malignant tumors, Teresi LM, Lufkin RB, Vinuela FV, Dietrich RB, Wilson GH, Bentson JR, Hanafey WN, *Radiology* 1987; 164: 817
- MRI of the head and neck, Lufkin RB, Hanafey WN, *Magn Res Imag* 1988; 6: 69
- MR of cellular blue nevus, Nakano S, Kinoshita K, *AJNR* 1988; 9: 807
- paranasal sinus hemorrhage: evaluation with MR imaging, Zimmerman RA, Bilaniuk LT, Hackney DB, Goldberg HI, Grossman RI, *Radiology* 1987; 162: 499
- prospective comparative study of intermediate-field MR and CT in the evaluation of closed head trauma, Gentry LR, Godersky JC, Thompson B, et al, *AJNR* 1988; 9: 91
- straight and narrow path to good head and spine MRI, Runge VM, Wood ML, Kaufman DM, Traill MR, Nelson KL, *Radiographics* 1988; 8: 507
- ### Head, neoplasms
- advanced head and neck cancer: response to and toxicity of multimodality therapy, Chang H, Leone LA, Tefft M, Nigri FT, *Radiology* 1988; 168: 863
- cervico-facial adenoid cystic carcinoma: study of 102 cases, influence of radiation therapy, Miglianico L, Eachwege F, Marandou P, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 673
- cisplatin as second line chemotherapy in advanced or recurrent squamous cell carcinoma of head and neck region, Keldsen N, *Acta Oncol* 1987; 26: 357
- clinical significance of pathological findings in surgically resected margins of the primary tumor in head and neck carcinoma, Chen TY, Emrich LJ, Driscoll DL, *Int J Radiat Oncol Biol Phys* 1987; 13: 833
- combined modality treatment of adult soft tissue sarcomas of the head and neck, McKenna WG, Barnes MM, Kinsella TJ, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1127
- experience with thallium-201 imaging in head and neck cancer, El-Gazzar AH, Sakweil A, Abdel-Dayem HM, et al, *Clin Nucl Med* 1988; 13: 286
- fast neutron therapy for squamous cell carcinoma in the head and neck region: results of a randomized trial, Duncan W, Orr JA, Arnott SJ, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 171
- head and neck cancer: reliability of American Joint Committee's staging system as prognostic indicator, Ahmad K, Kim YH, Fayos JV, *Acta Oncol* 1987; 26: 173

Head, neoplasms

- head and neck MR imaging in the pediatric patient, Dietrich RB; Lufkin RB; Kangaroo H; Hanafee WN; Wilson GH, *Radiology* 1986; 159: 769
- head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, Prows J; Janjan NA; Gillin MT; Wilson JF, *Radiology* 1988; 169: 831
- imaging of rhabdomyosarcomas of the head and neck, Latack JT; Hutchinson RJ; Heyn RM, *AJNR* 1987; 8: 353
- integration of chemotherapy into the combined modality therapy of head and neck squamous cancer, Taylor SG IV, *Int J Radiat Oncol Biol Phys* 1987; 13: 779
- intracranial lesions: flow-related enhancement on MR images using time-of-flight effects, Kucharczyk W; Kelly WM; Davis DO; Norman D; Newton TH, *Radiology* 1986; 161: 767
- intracranial mesenchymal chondrosarcoma, Nokes SR; Dautio R; Murtagh FR; et al, *AJNR* 1987; 8: 1137
- intraoperative radiation therapy for advanced or recurrent head and neck cancer, Garrett P; Pugh N; Ross D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 785
- inverted papilloma: considerations in treatment, (ab), Woodson GE; Robbins KT; Michaels L, *Radiology* 1986; 161: 863
- lymphomas of the head and neck: CT findings at initial presentation, Lee Y-Y; Van Tassel P; Nauert C; et al, *AJNR* 1987; 8: 665
- magnetic resonance imaging of head and neck tumors, Dillon WP, *Cardiovasc Intervent Radiol* 1986; 8: 275
- metastatic hypernephroma to the head and neck, Som PM; Norton KI; Shugar JMA; et al, *AJNR* 1987; 8: 1103
- MR imaging of the nasopharynx and floor of the middle cranial fossa, part II: malignant tumors, Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benton JR; Hanafee WN, *Radiology* 1987; 164: 817
- ninth annual del Regato lecture: optimal multidisciplinary management of head and neck cancer, Marcial VA, *Int J Radiat Oncol Biol Phys* 1987; 13: 393
- non-Hodgkin's lymphoma of the head and neck: CT evaluation of nodal and extranodal sites, Harnsberger HR; Bragg DG; Osborn AG; et al, *AJNR* 1987; 8: 673
- plasmacytoma of the head and neck, Gaffney CC; Dawes PDK; Jackson D, *Clin Radiol* 1987; 38: 385
- prognostic significance of lymph node involvement in pyriform sinus and supraglottic cancers, Hahn SS; Spaulding CA; Kim J-A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1143
- radioresistant tumor cells are present in head and neck carcinomas that recur after radiotherapy, Weichselbaum RR; Beckett MA; Schwartz JL; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 575
- role of radiotherapy in the management of adenoid cystic carcinoma of the head and neck, Horiuchi J; Shibuya H; Suzuki S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1135
- second primary cancers of the head and neck following treatment of initial primary head and neck cancers, Parker RG; Enstrom JE, *Int J Radiat Oncol Biol Phys* 1988; 14: 561
- sequential chemo-radiotherapy in locally advanced squamous cell carcinoma of the head and neck, Wendt TG; Chucholowski M; Hartenstein R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 397
- treatment of advanced head and neck cancer with accelerated fractionation, Gray AJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 9
- Head, therapeutic radiology**
- advanced head and neck cancer: response to and toxicity of multimodality therapy, Chang H; Leone LA; Tefft M; Nigri PT, *Radiology* 1988; 168: 863
- analysis of late complications after rapid hyperfractionated radiotherapy in advanced head and neck cancers, Nguyen TD; Panis X; Froissart D; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 23
- cervico-facial adenoid cystic carcinoma: study of 102 cases. Influence of radiation therapy, Miglianico L; Eschwege F; Marandas P; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 673
- charged particle radiotherapy of selected tumors in the head and neck, Castro JR; Reimers MM, *Int J Radiat Oncol Biol Phys* 1988; 14: 711
- combined modality treatment of adult soft tissue sarcomas of the head and neck, McKenna WC; Barnes MM; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1127
- early results of the EORTC randomized clinical trial on multiple fractions per day (MFD) and misonidazole in advanced head and neck cancer, van den Bogaert W; van der Schueren E; Horiot J-C; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 587
- evaluation of treatment response to radiotherapy in head and neck cancer with fluorine-18 fluorodeoxyglucose, Minn H; Paul R; Ahonen A; *J Nucl Med* 1988; 29: 1521
- failure of misonidazole-sensitized radiotherapy to impact upon outcome among stage III-IV squamous cancers of the head and neck, Fazeas J; Pajak TF; Wasserman T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1155
- fast neutron therapy for squamous cell carcinoma in the head and neck region: results of a randomized trial, Duncan W; Orr JA; Arnott SJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 171
- head and neck: cancer research plan, Marcial VA; van den Bogaert W; Horiot J-C, *Int J Radiat Oncol Biol Phys* 1988; 14: S119
- head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, Prows J; Janjan NA; Gillin MT; Wilson JF, *Radiology* 1988; 169: 831
- hyperfractionation for head and neck cancer, Parsons JT; Mendenhall WM; Cassisi NJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 649
- integration of chemotherapy into the combined modality therapy of head and neck squamous cancer, Taylor SG IV, *Int J Radiat Oncol Biol Phys* 1987; 13: 779
- intercomparison of two dynamic treatment techniques, ring scan and spot scan, for head and neck tumors with the Piontron, Takai M; Blattmann H; Pedroni E, *Int J Radiat Oncol Biol Phys* 1988; 14: 1025
- intraoperative radiation therapy for advanced or recurrent head and neck cancer, Garrett P; Pugh N; Ross D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 785
- MRI assisted treatment planning for radiation therapy of the head and neck, Toonkel LM; Soila K; Gilbert D; et al, *Magn Res Imag* 1988; 6: 315
- ninth annual del Regato lecture: optimal multidisciplinary management of head and neck cancer, Marcial VA, *Int J Radiat Oncol Biol Phys* 1987; 13: 393
- patient immobilization during CT for treatment planning of head and neck cancer, Sewchand W; Aygun C; Nicholson G; Salazar OM, *Radiology* 1986; 158: 251
- prognostic factors for loco/regional control and metastasis and the impact on survival, Kramer S; Marcial VA; Pajak TF; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 573
- radiation therapy in hyperbaric oxygen for head and neck cancer at Royal Adelaide Hospital—1964 to 1980, Denham JW; Yeoh EK; Wittwer G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 201
- randomised clinical trial to contrast radiotherapy with radiotherapy and methotrexate given synchronously in head and neck cancer, Gupta NK; Pointon RCS; Wilkinson PM, *Clin Radiol* 1987; 38: 575
- randomized study of adjuvant chemotherapy for cancer of the upper aerodigestive tract, Kun LE; Toohill RJ; Holoye PY; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 173
- re-irradiation of advanced tumors of the head and neck with fast neutrons, Errington RD; Catterall M, *Int J Radiat Oncol Biol Phys* 1986; 12: 191
- re-irradiation of recurrent head and neck cancer with fast neutrons, Skolyszewski J; Korzeniowski S, *Br J Radiol* 1988; 61: 527
- results of fast neutron therapy in advanced head and neck cancer, Skolyszewski J; Korzeniowski S; Huczowski J, *Br J Radiol* 1988; 61: 301
- role of radiotherapy in the management of adenoid cystic carcinoma of the head and neck, Horiuchi J; Shibuya H; Suzuki S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1135
- short-course neutron therapy for advanced head and neck cancer, Skolyszewski J; Fowler JF; Huczowski J, *Br J Radiol* 1988; 61: 857
- squamous cell carcinoma of the head and neck treated with radiation therapy: the impact of neck stage on local control, Mendenhall WM; Parsons JT; Amdur RJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 249
- treatment of advanced head and neck cancer with concomitant radiation and chemotherapy, Murthy AK; Taylor SG; Showell J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1807
- Head, US studies**
- sepal veins: normal finding on neonatal cranial sonography, Goldstein RB; Filly RA; Toi A, *Radiology* 1986; 161: 623
- Health policy**
- radiology and the health policy agenda for the American people, MacEwan DW, *Radiology* 1987; 163: 559
- Heart**
- See also Coronary vessels; Myocardium; Pericardium
- Heart, abnormalities**
- aneurysms of the right ventricular outflow tract after tetralogy of Fallot repair: role of radiology, Asculito RJ; Ross-Asculito NT; Markowitz RI; Kopf GS; Hellenbrand WE; Fahey JT; Kleinman CS, *Radiology* 1988; 167: 115
- atrial-level shunts: sensitivity and specificity of MR in diagnosis, Diethelm L; Dery R; Lipton MJ; Higgins CB, *Radiology* 1987; 162: 181
- atrial septal defect in older adults: atypical radiographic appearances, Sanders C; Bittner V; Nath PH; Breatnach ES; Soto BS, *Radiology* 1988; 167: 123
- cardiac levorotation: cause of false-positive epicardial fat pad sign, Hirji MK; Johnson MA; Hennig RC, *Radiology* 1986; 161: 659
- cardiopulmonary manifestations of sickle cell disease in childhood, Smith JA, *Semin Roentgenol* 1987; 22: 160
- case report: ectopia cordis and the radiographic changes of a new surgical repair technique, Glass RB; Fernbach SK, *Clin Radiol* 1987; 38: 443
- cine-computed tomography of cor triatriatum, MacMillan RM; Rees MR; Maranhao V; et al, *JCAT* 1986; 10: 124
- congenital heart disease: gated MR imaging in 72 patients, Didier D; Higgins CB; Fisher MR; Osaki L; Silverman NH; Cheitlin MD, *Radiology* 1986; 158: 227
- congenital heart disease: gated MR imaging in 72 patients, Julsrud PR, *Radiology* 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D, *Radiology* 1986; 161: 278
- cor triatriatum: diagnosis by MR imaging, Bisset GS III; Kirks DR; Strife JL; et al, *AJR* 1987; 149: 567
- demonstration of ascending aorta in hypoplastic left heart syndrome with aortic atresia by balloon occlusion aortography, Lo RNS; Leung MP; Lau KC, *Pediatr Radiol* 1987; 17: 370
- diagnosis of ectopia cordis in the second trimester, Klingensmith WC III; Cioffi-Ragan DT; Harvey DE, *JCU* 1988; 16: 204
- hyperinflation of the lungs in infants with large left-to-right shunts, Markowitz RI; Johnson KM; Weinstein EM, *Invest Radiol* 1988; 23: 354
- hypoplastic left heart with absence of the aortic valve: prenatal diagnosis using two-dimensional and pulsed Doppler echocardiography, Cartier MS; Emerson D; Plappert T; et al, *JCU* 1987; 15: 463
- identification and analysis of left atrial isomerism, (ab), Sharma S; Devine W; Anderson RH; et al, *Radiology* 1988; 167: 886
- intrathoracic abnormalities demonstrated by technetium-99m sulfur colloid imaging, Shih W-J; Domstad PA; Friedman B; et al, *Clin Nucl Med* 1986; 11: 792

- in utero thickening of the chordae tendinae: a cause of intracardiac echogenic foci, Schechter AG; Fakhry J; Shapiro LR; et al, *J Ultrasound Med* 1987; 6: 691
- percutaneous transluminal coronary angioplasty in dextrocardia: case report, Mikolich JR; Allouah N, *Cardiovasc Intervent Radiol* 1988; 11: 140
- postoperative evaluation of complex congenital heart disease by magnetic resonance imaging, Soulen RL; Donner RM; Capitanio M, *Radiographics* 1987; 7: 975
- prenatal detection of left atrial isomerism by ultrasound, de Araujo LML; Silverman NH; Filly RA; et al, *J Ultrasound Med* 1987; 6: 667
- prenatal diagnosis of an unusual form of hypoplastic left heart syndrome, Vincent RN; Mentioglou S; Chanas D; et al, *J Ultrasound Med* 1987; 6: 261
- prenatal ultrasonographic diagnosis of cardiomegaly due to tricuspid incompetence, Brown J; Gunn TR; Mora JD; et al, *Pediatr Radiol* 1986; 16: 440
- radionuclide angiocardiology in the clinical evaluation of cardiac malpositions in situs solitus in adults, Guit GL; Kroon HM; Chin JG; et al, *J Nucl Med* 1986; 27: 484
- skull and spine, Reynolds J, *Semin Roentgenol* 1987; 22: 168
- three-dimensional magnetic resonance imaging of congenital heart disease, Vannier MW; Gutierrez FR; Laschinger JC; Gronemeyer S; Canter CE; Knapp RH, *Radiographics* 1988; 8: 857
- Heart, anatomy**
- heart is under the lower third of the sternum, (ab), Finholt DA; Ketrick RG; Wagner HR; et al, *Radiology* 1987; 163: 838
- magnetic resonance imaging of cardiac anatomy: standard procedure, van Rossum AC; Visser FC; Valk J; et al, *Eur J Radiol* 1987; 7: 23
- quantitation of left ventricular anatomy and function by ultrasound CT, Lipton MJ, *Cardiovasc Intervent Radiol* 1987; 10: 348
- short-axis circumferential profiles of the heart in healthy subjects: comparison of TI-201 SPECT and two-dimensional echocardiography, Clausen M; Civelek AC; Bice AN; Petronis J; Koller D; Loncaric S; Weiss JL; Wagner HN Jr, *Radiology* 1988; 168: 723
- Heart, calcification**
- calcification of the heart: rare manifestation of chronic renal failure, de Moraes CR, *Pediatr Radiol* 1986; 16: 422
- cardiac calcification causing arrhythmia detected by technetium-99m MDP and SPECT, Breitzi H; Sirota PS; Graham MM, *Clin Nucl Med* 1988; 13: 153
- metastatic calcification of the heart and lungs in end-stage renal disease: detection and quantification by dual-energy digital chest radiography, Sanders C; Frank MS; Rostand SG; et al, *AJR* 1987; 149: 881
- suspected intracardiac masses: evaluation with MR imaging, Winkler ML; Higgins CB, *Radiology* 1987; 165: 117
- Heart, catheterization**
- central catheter infections: single- versus triple-lumen catheters: influence of guide wires on infection rates when used for replacement of catheters, (ab), Hilton E; Haslett TM; Borenstein MT; et al, *Radiology* 1988; 169: 292
- complications of right heart catheterization: prospective autopsy study, (ab), Connors AF Jr; Castelle JR; Farhat NZ; et al, *Radiology* 1986; 158: 862
- radiation doses and somatic risk to patients during cardiac radiological procedures, Faulkner K; Love HG; Sweeney JK; et al, *Br J Radiol* 1986; 59: 359
- valvular regurgitation: dynamic MR imaging, Utz JA; Herfkens RJ; Heinsimer JA; Shimakawa A; Glover G; Pelc N, *Radiology* 1988; 168: 91
- venous thrombosis after cardiac catheterization in infants, Laurin S; Lundström N-R, *Acta Radiol* 1987; 28: 241
- Heart, CT**
- cardiovascular computed tomography (cine CT) of abnormal left ventricular wall motion due to epicardial pacing electrodes, Altin RS; Flicker S; Naidech HJ; et al, *Cardiovasc Intervent Radiol* 1987; 10: 5
- cine-computed tomography of cor triatriatum, MacMillan RM; Rees MR; Maranhao V; et al, *JCAT* 1986; 10: 124
- cine-computed tomography of Ebstein anomaly, Garrett JS; Schiller NB; Botvinick EH; et al, *JCAT* 1986; 10: 664
- cine-CT technique for evaluation of left ventricular function during supine exercise, Rees MR; MacMillan RM; Fender B; et al, *AJR* 1986; 147: 916
- comparison of angiographic and electrocardiographically gated computed tomographic measurements of left-ventricular function, Foster CJ; Brownlee WC; Griffin JF; et al, *Br J Radiol* 1987; 60: 969
- computed tomographic evaluation of morphological and functional condition of left ventricle in heart aneurysm, Rabkin I; Ovtchinnikov V; Judin A, *Eur J Radiol* 1986; 6: 15
- CT and MR of congenital heart disease, Bank ER; Hernandez RJ, *Radiol Clin North Am* 1988; 26: 241
- CT appearance of coronary aneurysm in Kawasaki disease, Laurent F; Drouillard J; Dorcier F; et al, *JCAT* 1987; 11: 151
- CT features of cardiopericardial masses, Vasile N; Nicoleau F; Mathieu D, *Eur J Radiol* 1986; 6: 21
- evaluation of intracardiac and pericardial tumours with computed tomography, Puvaneswary M; Singham KT; Yap S, *Australas Radiol* 1987; 31: 152
- functional and anatomic evaluation of the cardiovascular system with rapid-acquisition computed tomography (cine CT), Steiner RM; Flicker S; Eldredge WJ; et al, *Radiol Clin North Am* 1986; 24: 503
- heart evaluation by cine CT: use of two new oblique views, Rees MR; Feiring AJ; Rumberger JA; MacMillan RM; Clark DL, *Radiology* 1986; 159: 805
- identification of intracardiac thrombus: comparison of computed tomography and cross-sectional echocardiography, Foster CJ; Sekiya T; Love HG; et al, *Br J Radiol* 1987; 60: 327
- intracardiac extension of lung cancer via pulmonary veins: CT diagnosis, Dore R; Alceri M; D'Andrea F; et al, *JCAT* 1988; 12: 565
- measurement of right ventricular volume using cine computed tomography, Mahoney LT; Smith W; Noel MP; et al, *Invest Radiol* 1987; 22: 451
- MR and CT findings in infected ventricular aneurysm repair, Otto R; Henderson R; Dandekar N, *JCAT* 1987; 11: 1069
- pericardial fluid distribution: CT analysis, Gale ME; Kiwak MG; Gale DR, *Radiology* 1987; 162: 171
- primary angiosarcoma of the heart: CT characteristics, Shin MS; Kirklint JK; Cain JB; et al, *AJR* 1987; 148: 267
- quantitation of left ventricular anatomy and function by ultrasound CT, Lipton MJ, *Cardiovasc Intervent Radiol* 1987; 10: 348
- use of CT in the evaluation of primary cardiac tumors, Chaloupka JC; Fishman EK; Siegelman SS, *Cardiovasc Intervent Radiol* 1986; 9: 132
- Heart, digital subtraction angiography**
- eigenimage filtration of intravenous digital subtraction angiograms of the heart: work in progress, Burke MW; Windham JP; Thrall JH; Shetty PC; Brymer JF, *Radiology* 1987; 164: 267
- incidence of fibrillation with dilute contrast media for intra-arterial coronary digital subtraction angiography, Morris TW; Ventura J, *Invest Radiol* 1986; 21: 416
- use of the Fourier transform in cardiac digital angiography, Witte G; Hoehne K-H; Riemer M; et al, *Cardiovasc Intervent Radiol* 1987; 10: 59
- Heart, diseases**
- chest radiography in the carcinoid syndrome, Thorvinger B; Lundstedt C; Martensson H, *Acta Radiol* 1987; 28: 49
- congestive cardiomyopathy in association with AIDS, Corboy JR; Fink L; Miller WT, *Radiology* 1987; 165: 139
- CT and MR of congenital heart disease, Bank ER; Hernandez RJ, *Radiol Clin North Am* 1988; 26: 241
- Doppler detection of tricuspid regurgitation following Kawasaki disease, Nakano H; Ueda K; Saito A; et al, *Pediatr Radiol* 1986; 16: 123
- factors affecting regional pulmonary blood flow in chronic ischemic heart disease, Pistolesi M; Miniati M; Bonsignore M; et al, *J Thorac Imag* 1988; 3-3: 65
- hypertrophic osteoarthropathy in a young child with congenital cyanotic heart disease, Kataria S; Prasad PJ; Marwaha RK; et al, *Br J Radiol* 1986; 59: 75
- interventional procedures in congenital heart disease, White RJ Jr; Mitchell SE; Kan J, *Cardiovasc Intervent Radiol* 1986; 9: 286
- in utero ultrasound diagnosis of congenital heart disease, Marasini M; Cordone M; Pongiglione G; et al, *JCU* 1988; 16: 103
- postoperative evaluation of complex congenital heart disease by magnetic resonance imaging, Soulen RL; Donner RM; Capitanio M, *Radiographics* 1987; 7: 975
- quantitative applications of Doppler cardiography in congenital heart disease, Colan SD, *Cardiovasc Intervent Radiol* 1987; 10: 332
- superior vena caval abnormalities: their occurrence rate, associated cardiac abnormalities and angiographic classification in a paediatric population with congenital heart disease, Buiraki G; Jordan SC; Joffe HS; et al, *Clin Radiol* 1986; 37: 131
- three-dimensional magnetic resonance imaging of congenital heart disease, Vannier MW; Gutierrez FR; Laschinger JC; Gronemeyer S; Canter CE; Knapp RH, *Radiographics* 1988; 8: 857
- transectional echo planar imaging of the heart in cyanotic congenital heart disease, Christin A; Small P; Rutter N; et al, *Pediatr Radiol* 1986; 16: 293
- Heart, effects of drugs on**
- cardiac gallium uptake in doxorubicin-induced cardiotoxicity, Hatfield MK; Martin WB; Ryan JW; et al, *Clin Nucl Med* 1986; 11: 756
- embolization of cardiac mural thrombus: complication of intraarterial fibrinolysis, Paulson EK; Miller FJ, *Radiology* 1988; 168: 95
- nuclear magnetic resonance study of high-energy phosphate stores in models of adriamycin cardiotoxicity, Keller AM; Jackson JA; Peshock RM; et al, *Magn Res Med* 1986; 3: 834
- radionuclide evaluation of doxorubicin cardiotoxicity: the need for cautious interpretation, Dey HM; Kassamali H, *Clin Nucl Med* 1988; 13: 565
- Heart, effects of irradiation on**
- minimal long-term cardiopulmonary dysfunction following treatment for Hodgkin's disease, Watchie J; Coleman CN; Raffin TA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 517
- radiation induced heart disease in hypertensive rats, Lauk S; Trot R-R, *Int J Radiat Oncol Biol Phys* 1988; 14: 109
- Heart, ejection fraction**
- automatic ventricular edge detection for determination of left ventricular volumes, ejection fraction and regional ejection fractions from first pass radioisotope angiography, Yang K-TA; Thompson CJ; Mena I, *Comput Med Imag Graph* 1988; 12: 147
- cardiac function: evaluation with fast-echo MR imaging, Edelman RR; Thompson R; Kantor H; Brady TJ; Leavitt M; Dinsmore RE, *Radiology* 1987; 162: 611
- cine MR determination of left ventricular ejection fraction, Utz JA; Herfkens RJ; Heinsimer JA; et al, *AJR* 1987; 148: 839
- congestive heart failure with normal ejection fraction, Drucker EA; Strause HW, *Semin Nucl Med* 1987; 17: 83
- correlation of right and left ventricular ejection fraction and volume measurements, Benedetto AR; Nusynowitz ML, *J Nucl Med* 1988; 29: 1114
- effect of energy window on cardiac ejection fraction, Bacharach SL; Green MV; Bonow RO; et al, *J Nucl Med* 1988; 29: 385
- ejection fraction determination by MR imaging: comparison with left ventricular angiography, Strateimer EJ; Thompson R; Brady TJ; Miller SW; Saini S; Wisner GL; Okada RD; Dinsmore RE, *Radiology* 1986; 158: 775

Heart, ejection fraction

- evaluation of the accuracy of steady-state krypton-81m method for calculating right ventricular ejection fraction, Ham HR; Franken PR; Georges B; et al, *J Nucl Med* 1986; 27: 593
- first-pass anger camera radiocardiography: biventricular ejection fraction, flow, and volume measurements, Nusynowitz ML; Benedetto AR; Walsh RA; et al, *J Nucl Med* 1987; 28: 950
- influence of a background correction that considers the heart volume on radionuclide left ventricular ejection fraction determination, Kelbaek H; Gjørup T; Hartling OJ; et al, *Br J Radiol* 1986; 59: 993
- left ventricular function evaluation using radionuclide methods in the intensive coronary care unit, van Aswegen A; Otto AC; Herbst CP; Marx JD; Kleynhans PHT; Lotter MC; Minnaar PC, *Radiology* 1986; 158: 252
- measurement of right and left ventricular volumes in healthy individuals with cine MR imaging, Sechtem U; Pflugfelder PW; Gould RG; Cassidy MM; Higgins CB, *Radiology* 1987; 163: 697
- multiple-hospital survey of ejection-fraction variability using a cardiac phantom, (ab), Makler PT Jr; McCarthy DM; Bergey P; et al, *Radiology* 1986; 158: 573
- non-invasive measurement of stroke volume and left ventricular ejection fraction: radionuclide cardiography compared with left ventricular angiography, Kelbaek H; Svendsen JH; Aldershvile J; et al, *Acta Radiol* 1988; 29: 175
- validation of a digital videodensitometric program analysis for measurement of left ventricular ejection fraction, Caux JC; Vuthien H; Letienne G; et al, *Br J Radiol* 1987; 60: 693
- Heart, experimental studies**
- differentiation of reversible and irreversible myocardial injury by MR imaging with and without gadolinium-DTPA, McNamara MT; Tscholakoff D; Revel D; Soulen RL; Sechtemmann N; Botvinick EH; Higgins CB, *Radiology* 1986; 158: 765
- myocardial infarct size quantification by MR imaging early after coronary artery occlusion in dogs, Rokey R; Verani MS; Bolli R; Kuo LC; Ford JJ; Wendt RE; Schneiders NJ; Bryan RN; Roberts R, *Radiology* 1986; 158: 771
- Heart, failure**
- cardiac gallium uptake in doxorubicin-induced cardiotoxicity, Hatfield MK; Martin WB; Ryan JW; et al, *Clin Nucl Med* 1986; 11: 756
- cerebral venous distention associated with cardiac failure in infants, Kuharik MA; Edwards MK, *AJNR* 1987; 8: 657
- congestive cardiomyopathy in association with AIDS, Corboy JR; Fink L; Miller WT, *Radiology* 1987; 165: 139
- congestive heart failure with normal ejection fraction, Drucker EA; Strauss HW, *Semin Nucl Med* 1987; 17: 83
- focusing on peripartum cardiomyopathy using radionuclide cardiac imaging, Gini A; Sangar V; Malley M; et al, *Clin Nucl Med* 1987; 12: 941
- gallbladder opacification in infants following high dose angiography, Markowitz R; Malat J; Keller MS; et al, *Pediatr Radiol* 1988; 18: 319
- nontraumatic prehospital sudden death in young adults, (ab), Raymond JR; van den Berg EK Jr; Knapp MJ, *Radiology* 1988; 168: 592
- radionuclear measurement of peripheral hemodynamics in selection of vasodilators for treatment of heart failure, Todor Y; Ohyanagi M; Fujisue R; et al, *J Nucl Med* 1988; 29: 451
- transcatheter treatment of myelomatous AV shunting causing high-output failure, Sanchez FW; Chuang VP; Skolkin MD, *Cardiovasc Intervent Radiol* 1986; 9: 219
- Heart, fibroma**
- detection of benign cardiac fibroma on thallium-201 imaging in an adult, Helmer S; Abghari R; Stone AJ; et al, *Clin Nucl Med* 1987; 12: 365
- Heart, flow dynamics**
- cardiac output determinations in the newborn: reproducibility of the pulsed Doppler velocity measurement, Claflin KS; Alverson DC; Pathak D; et al, *J Ultrasound Med* 1988; 7: 311

- diastolic flow characteristics of severely impaired left ventricles: pulsed Doppler ultrasound study, Delemarre BJ; Bot H; Pearlman AS; et al, *JCU* 1987; 15: 115
- effect of region of interest selection on first-pass radionuclide cardiac output determination, Glass EC; Rahimian J; Hines HH, *J Nucl Med* 1986; 27: 1282
- first-pass anger camera radiocardiography: biventricular ejection fraction, flow, and volume measurements, Nusynowitz ML; Benedetto AR; Walsh RA; et al, *J Nucl Med* 1987; 28: 950
- first-pass radionuclide determination of cardiac output: an improved gamma camera method, Kelbaek H; Hartling OJ; Skagen K; et al, *J Nucl Med* 1987; 28: 1330
- phasic flow in the left ventricular inflow tract: the importance of Doppler sample volume position, Delemarre BJ; Bot H; Visser CA; et al, *JCU* 1988; 16: 227
- right ventricular tardokinesis in cardiac contusion: a new observation on phase images, Lee VW; Allard JC; Berger P; Plehn J; Grindlinger GA; Getchell J; Dunlop R; Vendetti F, *Radiology* 1988; 167: 737
- Heart, foreign bodies**
- aberrant placement of a Kimray-Greenfield filter in the right atrium: percutaneous retrieval, Tsai FY; Myers TV; Ashraf A; Shah DC, *Radiology* 1988; 167: 423
- percutaneous retrieval of Kimray-Greenfield filter from right atrium and placement in inferior vena cava, Yakes WF, *Radiology* 1988; 169: 849
- Heart, function**
- advantages and applications of the centerline method for characterizing regional ventricular function, (ab), Sheehan FH; Bolson EL; Dodge HT; et al, *Radiology* 1987; 162: 588
- cardiac function: evaluation with fast-echo MR imaging, Edelman RR; Thompson R; Kantor H; Brady TJ; Leavitt M; Dinsmore RE, *Radiology* 1987; 162: 611
- cine MR imaging: potential for the evaluation of cardiovascular function, Sechtem U; Pflugfelder PW; White RD; et al, *AJR* 1987; 148: 239
- effects of gating modes on the analysis of left ventricular function in the presence of heart rate variation, Juni JE; Chen CC, *J Nucl Med* 1988; 29: 1272
- effects of spontaneous respiration on right and left ventricular function: evaluation by respiratory and ECG gated radionuclide ventriculography, Kim B-H; Ishida Y; Tsuneoka Y; et al, *J Nucl Med* 1987; 28: 173
- first-pass radionuclide determination of cardiac output: an improved gamma camera method, Kelbaek H; Hartling OJ; Skagen K; et al, *J Nucl Med* 1987; 28: 1330
- gated xenon scans for right ventricular function, Martin W; Tweddel AC; McChie I; et al, *J Nucl Med* 1986; 27: 609
- human heart: tagging with MR imaging—a method for noninvasive assessment of myocardial motion, Zerhouni EA; Parish DM; Rogers WJ; Yang A; Shapiro EP, *Radiology* 1988; 169: 59
- last surviving wall, Boykin M; Hartshorne MF; Bauman JM; et al, *Clin Nucl Med* 1987; 12: 751
- multigated blood-pool tomography: new method for the assessment of left ventricular function, Gill JB; Moore RH; Tamaki N; et al, *J Nucl Med* 1986; 27: 1916
- nuclear cardiology: comparison of equilibrium gated blood pool and gamma camera first-pass measurements for the assessment of left-ventricular regional wall motion, Taylor DN; Choraria S; Mills J; et al, *Br J Radiol* 1986; 59: 901
- quantification of cardiac function by conventional and cine magnetic resonance imaging, Sechtem U; Pflugfelder PW; Higgins CB, *Cardiovasc Intervent Radiol* 1987; 10: 365
- quantification of left-ventricular regional dyssynergy by radionuclide angiography, Starling MR; Walsh RA; Lasher JC; et al, *J Nucl Med* 1987; 28: 1725
- quantitation of left ventricular anatomy and function by ultrasound CT, Lipton MJ, *Cardiovasc Intervent Radiol* 1987; 10: 348

- quantitative analysis of left-ventricular function using gated single photon emission tomography, (ab), Barat J-L; Brendel AJ; et al, *Radiology* 1986; 158: 573
- regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q-wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, (ab), Brunken R; Tillisch J; Schwaiger M; et al, *Radiology* 1986; 161: 285
- simultaneous measurement of ventricular function and myocardial perfusion using the technetium-99m isonitrites, Sporn V; Balino NP; Holman BL; et al, *Clin Nucl Med* 1988; 13: 77
- use of radionuclide measurements of left ventricular function for prognosis in patients with coronary artery disease, Jones RH, *Semin Nucl Med* 1987; 17: 95
- Heart, hernia**
- cardiac herniation and volvulus: radiographic findings, Brady MB; Brogdon BC, *Radiology* 1986; 161: 657
- impending cardiac herniation: snow cone sign, Gurney JW; Arnold S; Goodman LR, *Radiology* 1986; 161: 653
- MR diagnosis of herniation of the left ventricle through a pericardial window, Rothschild PA; Tarver RD; Boyko OB; et al, *Comput Radiol* 1987; 11: 15
- Heart, hypertrophy**
- echocardiographic assessment of left ventricular hypertrophy: comparison to necropsy findings, (ab), Devereux RB; Alonso DR; Lutas EM; et al, *Radiology* 1986; 160: 859
- hypertrophic cardiomyopathy: changing concepts over the last two decades, Needleman L; Gardner GA Jr; Levin DC, *AJR* 1988; 150: 1219
- "tear drop sign" in hypertrophic cardiomyopathy: finding on gated cardiac imaging, Al-Bahar R; Hayat N; Mohammed MM; et al, *Clin Nucl Med* 1986; 11: 121
- Heart, infarction**
- altered phosphate metabolism in myocardial infarction: P-31 MR spectroscopy, Bottomley PA; Herfkens RJ; Smith LS; Bashore TM, *Radiology* 1987; 165: 703
- differentiation of reversible and irreversible myocardial injury by MR imaging with and without gadolinium-DTPA, McNamara MT; Tscholakoff D; Revel D; Soulen RL; Sechtemmann N; Botvinick EH; Higgins CB, *Radiology* 1986; 158: 765
- myocardial infarct size quantification by MR imaging early after coronary artery occlusion in dogs, Rokey R; Verani MS; Bolli R; Kuo LC; Ford JJ; Wendt RE; Schneiders NJ; Bryan RN; Roberts R, *Radiology* 1986; 158: 771
- right ventricular infarction in tetralogy of Fallot: thallium myocardial imaging, Williams CR; Kottamasu SR; Keller CE, *Clin Nucl Med* 1988; 13: 125
- Heart, infection**
- central catheter infections: single- versus triple-lumen catheters: influence of guide wires on infection rates when used for replacement of catheters, (ab), Hilton E; Haslett TM; Borenstein MT; et al, *Radiology* 1988; 169: 292
- Heart, inflammation**
- See Endocarditis
- Heart, injuries**
- frequency of cardiac contusion in nonpenetrating chest injury, (ab), Hossack KF; Moreno CA; Vanway CW; et al, *Radiology* 1988; 168: 589
- posttraumatic cardiac dysfunction: assessment with radionuclide ventriculography, Rosenbaum RC; Johnston GS, *Radiology* 1986; 160: 91
- right ventricular tardokinesis in cardiac contusion: a new observation on phase images, Lee VW; Allard JC; Berger P; Plehn J; Grindlinger GA; Getchell J; Dunlop R; Vendetti F, *Radiology* 1988; 167: 737
- scintigraphy of major closed chest cardiac trauma in childhood, Williams HT; Miller JH, *Pediatr Radiol* 1988; 18: 74
- Heart, insufficiency**
- See Heart, failure
- Heart, interventional procedure**
- acute scrotum: a complication of cardiac catheterization, Chapman S, *Br J Radiol* 1988; 61: 162

- interventional procedures in congenital heart disease, White RI Jr; Mitchell SE; Kan J, *Cardiovasc Intervent Radiol* 1986; 9: 286
- percutaneous retrieval of Kimray-Greenfield filter from right atrium and placement in inferior vena cava, Yakes WF, *Radiology* 1988; 169: 849
- ### Heart, ischemia
- breast attenuation artifacts in Tl-201 scintigraphy, Botvinick EH, *Radiology* 1988; 168: 878
- breast attenuation artifacts in Tl-201 scintigraphy: reply, Goodgold HM; Rehder JG; Samuels LD; Chaitman BR, *Radiology* 1988; 168: 879
- factors affecting regional pulmonary blood flow in chronic ischemic heart disease, Pistolesi M; Miniati M; Bonsignore M; et al, *J Thorac Imag* 1988; 3-3: 65
- improved interpretation of exercise Tl-201 myocardial perfusion scintigraphy in women: characterization of breast attenuation artifacts, Goodgold HM; Rehder JG; Samuels LD; Chaitman BR, *Radiology* 1987; 165: 361
- lactate accumulation in ischemic and anoxic isolated rat hearts assessed by H-1 spectroscopy, Richards TL; Terrier F; Sievers RE; et al, *Invest Radiol* 1987; 22: 638
- role of coronary artery lesions in ischemic heart disease: insights from recent clinicopathologic, coronary arteriographic, and experimental studies, (ab), Buja LM; Willerson JT, *Radiology* 1987; 163: 585
- ### Heart, MR studies
- altered phosphate metabolism in myocardial infarction: P-31 MR spectroscopy, Bottomley PA; Herfkens RJ; Smith LS; Bashore TM, *Radiology* 1987; 165: 703
- application of image-guided surface coil P-31 MR spectroscopy to human liver, heart, and kidney, Matson GB; Twieg DB; Karczmar GS; Lawry TJ; Gober JR; Valenza M; Boska MD; Weiner MW, *Radiology* 1988; 169: 541
- assessment of left ventricular wall thickness in healed myocardial infarction by magnetic resonance imaging, (ab), Akins EW; Hill JA; Sievers KW; et al, *Radiology* 1987; 164: 884
- atrial-level shunts: sensitivity and specificity of MR in diagnosis, Diethelm L; Dery R; Lipton MJ; Higgins CB, *Radiology* 1987; 162: 181
- cardiac function: evaluation with fast-echo MR imaging, Edelman RR; Thompson R; Kantor H; Brady TJ; Leavitt M; Dinsmore RE, *Radiology* 1987; 162: 611
- cardiac magnetic resonance imaging in children with congenital heart disease, (ab), Boxer RA; Singh S; LaCorte MA; et al, *Radiology* 1987; 164: 590
- cardiac MR imaging in Pompe disease, Boxer RA; Fishman M; LaCorte MA; et al, *JCAT* 1986; 10: 857
- cardiac radiology: RSNA '87 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, *Radiology* 1988; 166: 920
- cardiac T1 calculations from MR spin-echo images, Prato FS; Drost DJ; King M; et al, *Magn Res Med* 1987; 4: 227
- cardiac tumors and thrombus: evaluation with MR imaging, Gomes AS; Lois JF; Child JS; et al, *AJR* 1987; 149: 895
- cardiovascular disease: evaluation with MR phase imaging, Rumancik WM; Naidich DP; Chandra R; Kowalski HM; McCauley DE; Megibow AJ; Hernanz-Schulman M; Genieser NB, *Radiology* 1988; 166: 63
- cardiovascular MRI: current role in patient management, Reed JD Jr; Soulen RL, *Radiol Clin North Am* 1988; 26: 589
- change in human cardiac rhythm induced by a 2-T static magnetic field, Jehenson P; Duboc D; Lavergne T; Guize L; Guérin F; Degeorges M; Syrota A, *Radiology* 1988; 166: 227
- cine MR determination of left ventricular ejection fraction, Utz JA; Herfkens RJ; Heinsimer JA; et al, *AJR* 1987; 148: 839
- cine MR imaging: potential for the evaluation of cardiovascular function, Sechtem U; Pflugfelder PW; White RD; et al, *AJR* 1987; 148: 239
- congenital heart disease: gated MR imaging in 72 patients, Didier D; Higgins CB; Fisher MR; Osaki L; Silverman NH; Cheitlin MD, *Radiology* 1986; 158: 227
- congenital heart disease: gated MR imaging in 72 patients, Jularud PR, *Radiology* 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D, *Radiology* 1986; 161: 278
- correlation of cine MR imaging with two-dimensional pulsed Doppler echocardiography in valvular insufficiency, Schiebler M; Axel L; Reichel N; et al, *JCAT* 1987; 11: 627
- cor triatriatum: diagnosis by MR imaging, Bisset GS III; Kirks DR; Strife JL; et al, *AJR* 1987; 149: 567
- CT and MR of congenital heart disease, Bank ER; Hernandez RJ, *Radiol Clin North Am* 1988; 26: 241
- diagnostic applicability of magnetic resonance imaging in assessing human cardiac allograft rejection, (ab), Wisenberg G; Pflugfelder PW; Kostruk WJ; et al, *Radiology* 1988; 166: 910
- echocardiographic-like angled views of the heart by MR imaging, Burbank F; Parish D; Wexler L, *JCAT* 1988; 12: 181
- echo planar imaging of normal and abnormal connections of the heart and great arteries, Chrispin A; Small P; Rutter N; et al, *Pediatr Radiol* 1986; 16: 289
- effect of phase-encoding direction upon magnetic resonance image quality of the heart, Thickman D; Rubinstein R; Askenase A; et al, *Magn Res Med* 1988; 6: 390
- ejection fraction determination by MR imaging: comparison with left ventricular angiography, Strateimer EJ; Thompson R; Brady TJ; Miller SW; Saini S; Wisner GL; Okada RD; Dinsmore RE, *Radiology* 1986; 158: 775
- estimation of human myocardial mass with MR imaging, Katz J; Milliken MC; Stray-Gundersen J; Buja LM; Parkey RW; Mitchell JH; Peshock RM, *Radiology* 1988; 169: 495
- estimation of left ventricular volume and mass by magnetic resonance imaging: comparison with quantitative biplane angiocardiology, (ab), J; Holubarsch C; Friedburg H, *Cardiovasc Intervent Radiol* 1987; 10: 1
- functional evaluation of the heart with magnetic resonance imaging, Higgins CB; Holt W; Pflugfelder P; et al, *Magn Res Med* 1988; 6: 121
- gated cardiac MRI: ejection-fraction determination using the right anterior oblique view, Buckwalter KA; Aisen AM; Dilworth LR; et al, *AJR* 1986; 147: 33
- human heart: tagging with MR imaging—a method for noninvasive assessment of myocardial motion, Zerhouni EA; Parish DM; Rogers WJ; Yang A; Shapiro EP, *Radiology* 1988; 169: 59
- identification and localization of ventricular septal defect by gated magnetic resonance imaging, (ab), Didier D; Higgins CB, *Radiology* 1987; 162: 296
- instant images of the human heart using a new, whole-body MR imaging system, Rzedzian RR; Pykett IL, *AJR* 1987; 149: 245
- in vivo H-1 spectroscopy in humans at 1.5 T, Bárány M; Langer BG; Glick RP; Venkatasubramanian PN; Wilbur AC; Spigos DG, *Radiology* 1988; 167: 839
- levotransposition of the aorta: identification of segmental cardiac anatomy using MR imaging, Guit GL; Bluemner R; Rohmer J; Wenink AC; Chin JG; Doornbos J; van Voorthuisen AE, *Radiology* 1986; 161: 673
- magnetic resonance imaging and two-dimensional echocardiography, (ab), Goldman AP; Kotler MN; Scanlon MH; et al, *Radiology* 1987; 162: 588
- magnetic resonance imaging of aneurysms and thrombi, Zeitler E; Kaiser W; Schuierer G; et al, *Cardiovasc Intervent Radiol* 1986; 8: 321
- magnetic resonance imaging of cardiac anatomy: standard procedure, van Rossum AC; Visser FC; Valk J; et al, *Eur J Radiol* 1987; 7: 23
- magnetic resonance imaging of cardiac transplants: the evaluation of rejection of cardiac allografts with and without immunosuppression, (ab), Aherne T; Tscholakoff D; Finkbeiner W; et al, *Radiology* 1987; 162: 588
- magnetic resonance imaging of prosthetic heart valves, Soulen RL, *Radiology* 1986; 158: 279
- measurement of canine left ventricular mass by using MR imaging, Caputo GR; Tscholakoff D; Sechtem U; et al, *AJR* 1987; 148: 33
- measurement of normal left heart dimensions using optimally oriented MR images, Kaul S; Wisner GL; Brady TJ; et al, *AJR* 1986; 146: 75
- measurement of right and left ventricular volumes in healthy individuals with cine MR imaging, Sechtem U; Pflugfelder PW; Gould RG; Cassidy MM; Higgins CB, *Radiology* 1987; 163: 697
- metabolic consequences of anoxia in the isolated, perfused guinea pig heart: anaerobic metabolism of endogenous amino acids, Brainard JR; Hoekenga DE; Hutson JY, *Magn Res Med* 1986; 3: 673
- MR and CT findings in infected ventricular aneurysm repair, Otto R; Henderson R; Dandekar N, *JCAT* 1987; 11: 1069
- MR diagnosis of herniation of the left ventricle through a pericardial window, Rothschild PA; Tarver RD; Boyko OB; et al, *Comput Radiol* 1987; 11: 15
- MRI in organ transplantation, Lund G; Letourneau JG; Day DL; et al, *Radiol Clin North Am* 1987; 25: 281
- MR imaging of cardiac thrombi, Doms GC; Higgins CB, *JCAT* 1986; 10: 415
- MR imaging of Ebstein anomaly: results in four cases, Link KM; Herrera MA; D'Souza VJ; et al, *AJR* 1988; 150: 363
- MRI of perivalvular infectious pseudoaneurysms, Winkler ML; Higgins CB, *AJR* 1986; 147: 253
- MR of the heart: anatomy, physiology, and metabolism, Higgins CB, *AJR* 1988; 151: 239
- myocardial infarct size quantification by MR imaging early after coronary artery occlusion in dogs, Rokeby R; Verani MS; Bolli R; Kuo LC; Ford JJ; Wendt RE; Schneiders NJ; Bryan RN; Roberts R, *Radiology* 1986; 158: 771
- noninvasive study of high-energy phosphate metabolism in human heart by depth-resolved 31 NMR spectroscopy, (ab), Bottomley PA, *Radiology* 1986; 158: 862
- nuclear magnetic resonance imaging of the heart, Steiner RE, *Cardiovasc Intervent Radiol* 1986; 8: 314
- oblique magnetic resonance imaging of the cardiovascular system, Rholl KS; Levitt RG; Glezer HS; Gutierrez FR; Murphy WA; Lee JKT; Gellman EM; Peterson RA, *Radiographics* 1986; 6: 177
- oblique views in magnetic resonance imaging of the heart by combined axial rotations, Van Rossum AC; Visser FC; Van Eenige MJ; et al, *Acta Radiol* 1987; 28: 497
- observation of intracellular potassium and sodium in the heart by NMR: major fraction of potassium is "invisible", Fossel ET; Hoefeler H, *Magn Res Med* 1986; 3: 534
- optimizing electrocardiograph electrode placement for cardiac-gated magnetic resonance imaging, Dimick RN; Hedlund LW; Herfkens RJ; et al, *Invest Radiol* 1987; 22: 17
- overview of MR of the heart—1986, Higgins CB, *AJR* 1986; 146: 907
- postoperative evaluation of complex congenital heart disease by magnetic resonance imaging, Soulen RL; Donner RM; Capitanio M, *Radiographics* 1987; 7: 975
- quantification of cardiac function by conventional and cine magnetic resonance imaging, Sechtem U; Pflugfelder PW; Higgins CB, *Cardiovasc Intervent Radiol* 1987; 10: 365
- quantification of regional myocardial function by rapid cine MR imaging, Pflugfelder PW; Sechtem UP; White RD; et al, *AJR* 1988; 150: 523
- quantitation of cardiac dimensions from ECG-synchronized MRI studies, Dinsmore RE, *Cardiovasc Intervent Radiol* 1987; 10: 356

- radiology of cardiac pacemakers, Steiner RM; Tegtmeyer CJ; Morse D; Moses ML; Goodman LR; Nanda N; Ravin CE; Parsonnet V; Flicker S, *Radiographics* 1986; 6: 373
- real-time movie imaging from a single cardiac cycle by NMR, Chapman B; Turner R; Ordridge RJ; et al, *Magn Res Med* 1987; 5: 246
- reconstruction of the four basic cardiac projections from magnetic resonance images: a new aspect, Link KM; Herrera MA; D'Souza VJ; Formanek AG, *Radiographics* 1988; 8: 1109
- regional left ventricular wall thickening by magnetic resonance imaging: evaluation in normal persons and patients with global and regional dysfunction, (ab), Sechtem U; Sommerhoff BA; Markiewicz W; et al, *Radiology* 1987; 164: 590
- right atrioventricular valve atresia: anatomic evaluation with MR imaging, Fletcher BD; Jacobstein MD; Abramowsky CR; et al, *AJR* 1987; 148: 671
- segmental evaluation of left ventricular wall motion after myocardial infarction: magnetic resonance imaging versus echocardiography, (ab), White RD; Cassidy MM; Cheitlin MD; et al, *Radiology* 1988; 169: 883
- simple fiber optic monitor of cardiac and respiratory activity for biomedical magnetic resonance applications, Legendre JP; Misner R; Forester CV; et al, *Magn Res Med* 1986; 3: 953
- sodium imaging of human body organs and extremities in vivo, Granot J, *Radiology* 1988; 167: 547
- suspected intracardiac masses: evaluation with MR imaging, Winkler ML; Higgins CB, *Radiology* 1987; 165: 117
- three-dimensional magnetic resonance imaging of congenital heart disease, Vannier MW; Gutierrez FR; Laschinger JC; Gronemeyer S; Canter CE; Knapp RH, *Radiographics* 1988; 8: 857
- transsectional echo planar imaging of the heart in cyanotic congenital heart disease, Christin A; Small P; Rutter N; et al, *Pediatr Radiol* 1986; 16: 293
- valvular regurgitation: dynamic MR imaging, Utz JA; Herfkens RJ; Heinsimer JA; Shimakawa A; Glover G; Pelc N, *Radiology* 1988; 168: 91
- ventricular septal defect: visualization of shunt flow and determination of shunt size by cine MR imaging, Sechtem U; Pfugfelder P; Cassidy MC; et al, *AJR* 1987; 149: 689
- Heart, neoplasms**
- cardiac myxoma: a review, (ab), Markel ML; Waller BF; Armstrong WF, *Radiology* 1987; 165: 884
- cardiac tumors and thrombus: evaluation with MR imaging, Gomes AS; Lois JF; Child JS; et al, *AJR* 1987; 149: 895
- case of the season, Gilkey SH, Semin Roentgenol 1987; 22: 85
- chondrosarcoma metastatic to the heart, (ab), Leung CY; Cummings RG; Reimer KA; et al, *Radiology* 1988; 169: 292
- CT features of cardiopericardial masses, Vasile N; Nicoleau F; Mathieu D, Eur J Radiol 1986; 6: 21
- demonstration of intracardiac tumor and its associated hemodynamic derangement by radionuclide angiography, Wang D-J; Cheng C-Y; Chen C-Y; et al, *Clin Nucl Med* 1987; 12: 869
- evaluation of intracardiac and pericardial tumors with computed tomography, Puvaneswary M; Singham KT; Yap S, *Australas Radiol* 1987; 31: 152
- hemodynamic consequences of left atrial myxomas as assessed by Doppler ultrasound, (ab), Panidis IP; Mintz GS; McAllister M, *Radiology* 1987; 162: 886
- intraatrial extension of hepatocellular carcinoma detected with ultrasound, Morimoto K; Matsui K; Hashimoto T; et al, *JCU* 1986; 14: 466
- intracardiac extension of lung cancer via pulmonary veins: CT diagnosis, Dore R; Alerci M; D'Andrea F; et al, *JCAT* 1988; 12: 565
- intracardiac tumor (rhabdomyoma) diagnosed by in utero ultrasound: case report, Stanford W; Abu-Yousef M; Smith W, *JCU* 1987; 15: 337

- malignant clinical behavior of cardiac myxomas and "myxoid imitators", (ab), Attum AA; Johnson GS; Masri Z; et al, *Radiology* 1988; 166: 912
- mediastinal masses: MR imaging, von Schulthess GK; McMurdo KK; Tscholakoff D; de Geer G; Gamsu G; Higgins CB, *Radiology* 1986; 158: 289
- prenatal diagnosis of multiple cardiac tumors presenting as an arrhythmia, Hoadley SD; Wallace RL; Miller JF; et al, *JCU* 1986; 14: 639
- primary angiosarcoma of the heart: CT characteristics, Shin MS; Kirklin JK; Cain JB; et al, *AJR* 1987; 148: 267
- primary cardiac mass lesions (a study of 24 cases), Rajani M; Mukhopadhyay S; Dogra B; et al, *Australas Radiol* 1988; 32: 84
- sonographic diagnosis of fetal cardiac rhabdomyoma, Schaffer RM; Cabbad M; Minkoff H; et al, *J Ultrasound Med* 1986; 5: 531
- suspected intracardiac masses: evaluation with MR imaging, Winkler ML; Higgins CB, *Radiology* 1987; 165: 117
- two-dimensional echocardiography in the diagnosis of intracardiac masses: a prospective study with anatomic validation, Sheiban I; Casarotto D; Trevi G; et al, *Cardiovasc Intervent Radiol* 1987; 10: 157
- use of CT in the evaluation of primary cardiac tumors, Chaloupka JC; Fishman EK; Siegelman SS, *Cardiovasc Intervent Radiol* 1986; 9: 132
- Heart, obstruction**
- intracardiac extension of intravenous leiomyomatosis, Kaszar-Seibert DJ; Gauvin GP; Rogoff PA; Vittimberga FJ; Margolis S; Hilgenberg AD; Saal DK; Goldsmith OG, *Radiology* 1988; 168: 409
- Heart, pacemakers**
- cardiovascular computed tomography (cine CT) of abnormal left ventricular wall motion due to epicardial pacing electrodes, Altin RS; Flicker S; Naidech HJ; et al, *Cardiovasc Intervent Radiol* 1987; 10: 5
- CT demonstration of myocardial perforation by a pacemaker lead, Sussman SK; Chiles C; Cooper C; et al, *JCAT* 1986; 10: 670
- effect of magnetic resonance imaging on DDD pacemakers, (ab), Erlebacher JA; Cahill FT; Pannizzo F; et al, *Radiology* 1986; 161: 287
- fixed intravascular foreign bodies: a new method for removal, Grabenwoeger F; Dock W; Pinteris F; Appel W, *Radiology* 1988; 167: 555
- myocardial perforation by transvenous pacemaker in a newborn infant: echocardiographic diagnosis, Muhler E; Hofstetter R; Hornchen H; et al, *JCU* 1986; 14: 141
- pacemaker implantation in a patient with a Behcet's disease associated with superior vena cava obstruction, Or I; Roguin N; Yahalom M; et al, *Cardiovasc Intervent Radiol* 1986; 9: 13
- radiology of cardiac pacemakers, Steiner RM; Tegtmeyer CJ; Morse D; Moses ML; Goodman LR; Nanda N; Ravin CE; Parsonnet V; Flicker S, *Radiographics* 1986; 6: 373
- streptokinase dissolution of a right atrial thrombus associated with a temporary pacemaker, (ab), May KJ Jr; Cardone JT; Stroebel PP; et al, *Radiology* 1988; 169: 588
- successful treatment of superior vena cava syndrome by venous angioplasty, Sherry CS; Diamond NG; Meyers TP; et al, *AJR* 1986; 147: 834
- Heart, prostheses**
- cine-fluororadiographic evaluation of the Bjork-Shiley prosthesis—serial post-operative follow-up in 400 patients, Rajani M; Mukhopadhyay S; Maheshwari R; et al, *Australas Radiol* 1986; 30: 13
- fate of thrombectomized Bjork-Shiley valves: long-term cinefluoroscopic, echocardiographic, and hemodynamic evaluation, (ab), Venugopal P; Kaul U; Iyer KS; et al, *Radiology* 1986; 161: 285
- magnetic resonance imaging of prosthetic heart valves, Soulen RL, *Radiology* 1986; 158: 279

- new cineradiographic methods for assessment of Bjork-Shiley valve integrity, Cousin AJ; Soto B, *AJR* 1986; 147: 1139
- prosthetic heart valve malfunction: plain film findings, Lewall DB; Ofole S; McCorkell SJ, *J Canad Assoc Radiol* 1988; 39: 182
- radiographic appearance of the Medtronic Hall valve prosthesis, Mamourian AC; Pae WE, *AJR* 1986; 146: 485
- radiographic appearances of the St. Jude medical valve, Paquet DJ; Randall PA; Parker FB, *J Canad Assoc Radiol* 1988; 39: 186
- radiologic appearance of the Jarvik artificial heart implant and its thoracic complications, Fajardo LL; Standen JR; Smith RG, *AJR* 1988; 151: 667
- radiology of cardiac valve prostheses, Steiner RM; Mintz G; Morse D; Kotler M; Flicker S; Raichlen JS; Fernandez J; Pasto M; Chun P; Gonzalez-Lavin L, *Radiographics* 1988; 8: 277
- Heart, radiography**
- impending cardiac herniation: snow cone sign, Gurney JW; Arnold S; Goodman LR, *Radiology* 1986; 161: 653
- measurement of heart size in the anteroposterior chest radiograph, Kabala JE; Wilde P, Br J Radiol 1987; 60: 981
- normal left atrium: appearance in children on frontal chest radiographs, Rosario-Medina W; Strife JL; Dunbar JS, *Radiology* 1986; 161: 345
- pericardial abscess: diagnosis using two-dimensional echocardiography and CT, Johnson MA; Hirji MK; Hennig RC; Williams D, *Radiology* 1986; 159: 419
- plain chest radiograph in uncomplicated Ebstein's disease, Mu-Sheng T; Partridge J; Radford D, *Clin Radiol* 1986; 37: 551
- posttraumatic tension pneumopericardium: "small heart" sign, Mirvis SE; Indek M; Schorr RM; Diaconis JN, *Radiology* 1986; 158: 663
- Heart, radionuclide studies**
- altered phosphate metabolism in myocardial infarction: P-31 MR spectroscopy, Bottomley PA; Herfkens RJ; Smith LS; Bashore TM, *Radiology* 1987; 165: 703
- arrhythmogenic right ventricular dysplasia: delineation of myopathic site by intracoronary thallium-201, Adachi H; Sugihara H; Nakagawa H; et al, *Clin Nucl Med* 1986; 11: 763
- breast attenuation artifacts in TI-201 scintigraphy, Botvinick EH, *Radiology* 1988; 168: 878
- breast attenuation artifacts in TI-201 scintigraphy: reply, Goodgold HM; Rehder JG; Samuels LD; Chaitman BR, *Radiology* 1988; 168: 879
- cardiac calcification causing arrhythmia detected by technetium-99m MDP and SPECT, Breit HB; Sirotta PS; Graham MM, *Clin Nucl Med* 1988; 13: 153
- characterization of in vivo chemistry of cations in the heart, Mousa SA; Williams SJ; Sands H, *J Nucl Med* 1987; 28: 1351
- comparison of left ventricular diastolic function as determined by nuclear cardiac probe, radionuclide angiography, and contrast cineangiography, Seals AA; Verani MS; Tadros S; et al, *J Nucl Med* 1986; 27: 1908
- congestive heart failure with normal ejection fraction, Drucker EA; Strauss HW, Semin Nucl Med 1987; 17: 83
- correction for patient and organ movement in SPECT: application to exercise thallium-201 cardiac imaging, Geckle WJ; Frank TL; Links JM; et al, *J Nucl Med* 1988; 29: 441
- current status and prospects of new radionuclides and radiopharmaceuticals for cardiovascular nuclear medicine, Schelbert HR, Semin Nucl Med 1987; 17: 145
- detection of an apico-aortic conduit by radionuclide ventriculography, Liu J; Vasavada PJ; Gerson MC; et al, *Clin Nucl Med* 1987; 12: 827
- detection of benign cardiac fibroma on thallium-201 imaging in an adult, Helmer S; Abghari R; Stone AJ; et al, *Clin Nucl Med* 1987; 12: 365

- detection of coronary artery disease by analysis of ventricular filling, Miller TR; Fountas A; Biello DR; et al, *J Nucl Med* 1987; 28: 837
- diagnosis of pericardial effusions from routine gated blood-pool imaging, Rothendler JA; Schick EC; Leppo J; et al, *J Nucl Med* 1987; 28: 1419
- direct determination of the attenuation coefficient for radionuclide volume measurements, Keller AM; Simon TR; Smitherman TC; et al, *J Nucl Med* 1987; 28: 102
- dynamic arrhythmia filtration for gated blood-pool imaging: validation against list mode technique, Wallis JW; Wu-Connolly L; Rocchini AP; et al, *J Nucl Med* 1986; 27: 1347
- effect of exercise position during stress testing on cardiac and pulmonary thallium kinetics and accuracy in evaluating coronary artery disease, Lear JL, *J Nucl Med* 1986; 27: 788
- effect of region of interest selection on first-pass radionuclide cardiac output determination, Glass EC; Rahimian J; Hines HH, *J Nucl Med* 1986; 27: 1282
- effects of denervation and acute rejection on left ventricular volumes measured by radionuclide ventriculography following cardiac transplantation in the chacma baboon, Novitzky D; Cooper DKC; Rose AG; et al, *Semin Nucl Med* 1988; 18: 213
- effects of spontaneous respiration on right and left ventricular function: evaluation by respiratory and ECG gated radionuclide ventriculography, Kim B-H; Ishida Y; Tsuneoka Y; et al, *J Nucl Med* 1987; 28: 173
- efficacy of cardiovascular nuclear medicine exercise studies, Rozanski A; Berman DS, *Semin Nucl Med* 1987; 17: 104
- estimation of left ventricular mass in normal and infarcted canine hearts using thallium-201 SPECT, Narahara KA; Thompson CJ; Maublant JC; et al, *J Nucl Med* 1987; 28: 1315
- evaluation in dogs and humans of three potential technetium-99m myocardial perfusion agents, Gerundini P; Savi A; Gilardi MC; et al, *J Nucl Med* 1987; 28: 409
- evaluation of regurgitant fraction of the left ventricle by gated cardiac blood-pool scanning using SPECT, Ohtake T; Nishikawa J; Machida K; et al, *J Nucl Med* 1987; 28: 19
- evaluation of the accuracy of steady-state krypton-81m method for calculating right ventricular ejection fraction, Ham HR; Franken PR; Georges B; et al, *J Nucl Med* 1986; 27: 593
- exercise thallium-201 scintigraphy in men with nondiagnostic exercise electrocardiograms: prognostic implications, (ab), Iskandrian AS; Hakki A-H; Kane-Marsch S, *Radiology* 1987; 163: 590
- first-pass angler camera radiocardiography: biventricular ejection fraction, flow, and volume measurements, Nusynowitz ML; Benedetto AR; Walsh RA; et al, *J Nucl Med* 1987; 28: 950
- first-pass radionuclide determination of cardiac output: an improved gamma camera method, Kelbaek H; Hartling OJ; Skagen K; et al, *J Nucl Med* 1987; 28: 1330
- functional imaging of the heart, Boudreau RJ; Loken MK, *Semin Nucl Med* 1987; 17: 28
- gated right ventricular studies using krypton-81m: comparison with first-pass studies using gold-195m, Caplin JL; Flatman WD; Dymond DS, *J Nucl Med* 1986; 27: 602
- gated xenon scans for right ventricular function, Martin W; Tweddel AC; McGhie I; et al, *J Nucl Med* 1986; 27: 609
- hemodynamic determinants of thallium-201 lung uptake in patients during atrial pacing stress, (ab), Brown KA; McKay R; Heller GV; et al, *Radiology* 1986; 160: 859
- imaging the heart: cardiac scintigraphy and echocardiography in U.S. hospitals (1983), McPhee SJ; Garnick DW, *J Nucl Med* 1986; 27: 1635
- improved interpretation of exercise TI-201 myocardial perfusion scintigraphy in women: characterization of breast attenuation artifacts, Goodgold HM; Rehder JC; Samuels LD; Chaitman BR, *Radiology* 1987; 165: 361
- left ventricular function evaluation using radionuclide methods in the intensive coronary care unit, van Aswegen A; Otto AC; Herbst CP; Marx JD; Kleynhans PHT; Lotter MC; Minnaar PC, *Radiology* 1986; 158: 252
- length-based Fourier analysis in the pre-excitation syndrome, Nakajima K; Bunko H; Tonami N; et al, *J Nucl Med* 1986; 27: 1131
- non-invasive measurement of stroke volume and left ventricular ejection fraction: radionuclide cardiography compared with left ventricular cineangiography, Kelbaek H; Svendsen JH; Aldershville J; et al, *Acta Radiol* 1988; 29: 175
- nuclear cardiology: comparison of equilibrium gated blood pool and gamma camera first-pass measurements for the assessment of left-ventricular regional wall motion, Taylor DN; Choraria S; Mills J; et al, *Br J Radiol* 1986; 59: 901
- nuclear medicine. RSNA '87 meeting notes, Siegel BA; Alderson PO; Brown ML; Mettler FA Jr; Miller TR, *Radiology* 1988; 166: 615
- pharmacologic intervention as an alternative to exercise stress, Gould KL, *Semin Nucl Med* 1987; 17: 121
- phase abnormalities in right heart studies: demonstration of six different patterns, Bahar RH; Abdel-Dayem HM; Ziada G; et al, *Clin Nucl Med* 1987; 12: 185
- posttraumatic cardiac dysfunction: assessment with radionuclide ventriculography, Rosenbaum RC; Johnston GS, *Radiology* 1986; 91
- radionuclear measurement of peripheral hemodynamics in selection of vasodilators for treatment of heart failure, Todo Y; Ohyanagi M; Fujisue R; et al, *J Nucl Med* 1988; 29: 451
- radionuclide evaluation of doxorubicin cardiotoxicity: the need for cautious interpretation, Dey HM; Kassamali H, *Clin Nucl Med* 1988; 13: 565
- radionuclide findings in arteriovenous fistula between left pulmonary artery and vein, Abdel-Dayem HM; Mohammad MM; Khan N; et al, *Clin Nucl Med* 1986; 11: 865
- right ventricular tardokinesis in cardiac contusion: a new observation on phase images, Lee VW; Allard JC; Berger P; Piehn J; Grindlinger GA; Getchell J; Dunlop R; Vendetti F, *Radiology* 1988; 167: 737
- role of nuclear cardiology procedures in the evaluation of cardiac function following heart transplantation, Iturralde M; Novitzky D; Cooper DKC; et al, *Semin Nucl Med* 1988; 18: 221
- role of nuclear medicine in three permanent total artificial heart recipients, Zenger GH; DeVries WC, *Semin Nucl Med* 1988; 18: 241
- rotational artifact in phase imaging of cardiac scans: potential pitfalls in diagnosis, Lee VW; Getchell J; Foster JE; et al, *J Nucl Med* 1987; 28: 1536
- short-axis circumferential profiles of the heart in healthy subjects: comparison of TI-201 SPECT and two-dimensional echocardiography, Clausen M; Civelek AC; Bice AN; Petronis J; Koller D; Loncaric S; Weiss JL; Wagner HN Jr, *Radiology* 1988; 168: 723
- simplified count-based estimates of left ventricular volume, Lavine SJ; Shreiner DP; Krishnaswami V; et al, *Clin Nucl Med* 1986; 11: 168
- simultaneous measurement of ventricular function and myocardial perfusion using the technetium-99m isonitrites, Sporn V; Balino NP; Holman BL; et al, *Clin Nucl Med* 1988; 13: 77
- specification of regional wall motion abnormalities by phase analysis of radionuclide angiograms in coronary artery disease and non-coronary artery disease patients, Henze E; Tymiec A; Delagardelle C; et al, *J Nucl Med* 1986; 27: 781
- SPECT gated cardiac imaging rules out paradoxical right ventricular wall motion, Houser J; Cook SA, *Clin Nucl Med* 1986; 11: 736
- SPECT thallium-201 scintigraphy for the detection of left-ventricular aneurysm, Morton KA; Alazraki NP; Taylor AT; et al, *J Nucl Med* 1987; 28: 168
- "tear drop sign" in hypertrophic cardiomyopathy: finding on gated cardiac imaging, Al-Bahar R; Hayat N; Mohammed MM; et al, *Clin Nucl Med* 1986; 11: 121
- three-dimensional display of positron emission tomography of the heart, Miller TR; Starren JB; Grothe RA Jr, *J Nucl Med* 1988; 29: 530
- time-based multiple organ functional images, Freeman ML; Kaplan E, *Semin Nucl Med* 1987; 17: 39
- uptake of hexakis(t-butylisonitrite) technetium (I) and hexakis(isopropylisonitrite) technetium (I) by neonatal rat erythrocytes and human erythrocytes, Sands H; Delano ML; Gallagher BM, *J Nucl Med* 1986; 27: 404
- use of radionuclide measurements of left ventricular function for prognosis in patients with coronary artery disease, Jones RH, *Semin Nucl Med* 1987; 17: 95
- varied appearance of cardiac pseudoaneurysms on blood pool images, Ginsberg F; Rosenberg RJ; Sziklas JJ; et al, *Clin Nucl Med* 1987; 12: 430
- visualization of right atrial thrombus associated with constrictive pericarditis by indium-111 oxine platelet imaging, Nishimura T; Misawa T; Park Y-D; et al, *J Nucl Med* 1987; 28: 1344
- ### Heart, rhythm
- action potential generation in heart cells, Spitzer KW; Bridge JHB; Barry WH, *Invest Radiol* 1986; 21: 819
- arrhythmogenic right ventricular dysplasia: delineation of myopathic site by intracoronary thallium-201, Adachi H; Sugihara H; Nakagawa H; et al, *Clin Nucl Med* 1986; 11: 763
- cardiac calcification causing arrhythmia detected by technetium-99m MDP and SPECT, Breit HB; Sirota PS; Graham MM, *Clin Nucl Med* 1988; 13: 153
- change in human cardiac rhythm induced by a 2-T static magnetic field, Jensen P; Duboc D; Lavergne T; Guize L; Guérin F; Degeorges M; Syrota A, *Radiology* 1988; 166: 227
- comparison of the incidence of cardiac arrhythmias produced by two intravenous contrast media in coronary artery disease, Foster CJ; Griffin JF, *Clin Radiol* 1987; 38: 399
- contrast media-induced ventricular fibrillation: a comparison of Hypaque-76, Hexabrix, and Omnipaque, Piao ZE; Murdock DK; Hwang MH; et al, *Invest Radiol* 1988; 23: 466
- contrast media induced ventricular fibrillation during coronary angiography in dogs, Hayakawa K; Yamashita K; Ishii Y, *Acta Radiol* 1988; 29: 371
- effect of sodium on the fibrillatory propensity of nonionic contrast media, Piao ZE; Murdock DK; Hwang MH; et al, *Invest Radiol* 1987; 22: 895
- fetal cardiac arrhythmias and their effect on volume blood flow in descending aorta of human fetus, Tonge HM; Wladimiroff JW; Noordam MJ; et al, *JCU* 1986; 14: 607
- incidence of cardiac arrhythmias during intravenous digital subtraction angiography: comparison of peripheral and central injections, Treweek PS; Thomas ML, *J Canad Assoc Radiol* 1986; 37: 83
- prenatal diagnosis of multiple cardiac tumors presenting as an arrhythmia, Hoadley SD; Wallace RL; Miller JF; et al, *JCU* 1986; 14: 639
- ### Heart, size
- See Heart, volume
- ### Heart, surgery
- aneurysms of the right ventricular outflow tract after tetralogy of Fallot repair: role of radiology, Ascuotto RJ; Rose-Ascuotto NT; Markowitz RI; Kopf GS; Hellenbrand WE; Fahey JT; Kleinman CS, *Radiology* 1988; 167: 115
- ascending aorta complications of cardiac surgery: CT evaluation, Thorsen MK; Goodman LR; Sagel SS; et al, *JCAT* 1986; 18: 219
- extracardiac complications of cardiac surgery, Thorsen MK; Goodman LR, *Semin Roentgenol* 1988; 23: 32
- latissimus dorsi cardiomyoplasty: radiographic findings, Nguyen TH; Hoang T-A; Dash N; et al, *AJR* 1988; 150: 545

Heart, surgery

- mediastinitis after cardiac valve operations: impact upon survival, (ab), Cheung EH, Craver JM, Jones EL, et al, *Radiology* 1986; 160: 287
- MR and CT findings in infected ventricular aneurysm repair, Otto R, Henderson R, Dandekar N, *JCAT* 1987; 11: 1069
- radiology of cardiac pacemakers, Steiner RM, Tegtmeyer CJ, Morse D, Moses ML, Goodman LR, Nanda N, Ravin CE, Parsonnet V, Flicker S, *Radiographics* 1986; 6: 373
- Heart, tamponade**
- cardiac tamponade and constrictive pericarditis complicating endoscopic sclerotherapy, (ab), Brown DL, Luchi RJ, *Radiology* 1988; 167: 885
- posttraumatic tension pneumopericardium: "small heart" sign, Mirvis SE, Indeck M, Schorr RM, Diaconis JN, *Radiology* 1986; 158: 663
- Heart, thrombosis**
- biventricular thrombus formation in association with acute myocardial infarction: diagnosis by two-dimensional echocardiography, Friedman HZ, Buda AJ, *JCU* 1986; 14: 315
- cardiac tumors and thrombus: evaluation with MR imaging, Gomes AS, Lois JF, Child JS, et al, *AJR* 1987; 149: 895
- cardiovascular disease: evaluation with MR phase imaging, Rumancik WM, Naidich DP, Chandra R, Kowalski HM, McCauley DJ, Megibow AJ, Hernanz-Schulman M, Genieser NB, *Radiology* 1988; 166: 63
- diagnostic accuracy of two-dimensional echocardiography for detection of left atrial thrombus in patients with mitral stenosis, Chiang C-W, Pang S-C, Lin F-C, et al, *J Ultrasound Med* 1987; 6: 525
- echocardiographic features of right atrial thrombi, Boulay F, Danchin N, Neimann J-L, et al, *JCU* 1986; 14: 601
- embolization of cardiac mural thrombus: complication of intraarterial fibrinolysis, Paulson EK, Miller FJ, *Radiology* 1988; 168: 95
- fiberoptic observation of thrombosis and thrombolysis in isolated human coronary arteries, (ab), Uchida Y, Masuo M, Tomaru T, et al, *Radiology* 1987; 164: 885
- identification of intracardiac thrombus: comparison of computed tomography and cross-sectional echocardiography, Foster CJ, Sekiya T, Love HG, et al, *Br J Radiol* 1987; 60: 327
- MR imaging of cardiac thrombi, Dooms GC, Higgins CB, *JCAT* 1986; 10: 415
- peripheral emboli from left ventricular thrombi of different echocardiographic appearance in acute myocardial infarction, (ab), Johannessen K-A, *Radiology* 1987; 164: 884
- right atrial thrombus formation screening using two-dimensional echocardiograms in neonates with central venous catheters, (ab), Marsh D, Wilkerson SA, Cook LN, et al, *Radiology* 1988; 168: 888
- streptokinase dissolution of a right atrial thrombus associated with a temporary pacemaker, (ab), May KJ Jr, Cardone JT, Stroebel PP, et al, *Radiology* 1988; 169: 588
- suspected intracardiac masses: evaluation with MR imaging, Winkler ML, Higgins CB, *Radiology* 1987; 165: 117
- visualization of right atrial thrombus associated with constrictive pericarditis by indium-111 oxine platelet imaging, Nishimura T, Misawa T, Park Y-D, et al, *J Nucl Med* 1987; 28: 1344
- Heart, transplantation**
- acute isolated pulmonary rejection following transplantation of the heart at both lungs: experimental and clinical observations, (ab), Novitzky D, Cooper DKC, Rose AG, et al, *Radiology* 1987; 162: 587
- cardiac transplantation: postoperative chest radiographs, Florence SH, Hutton LC, McKenzie FN, et al, *J Canad Assoc Radiol* 1988; 39: 115
- chest radiography in infant cardiac allotransplantation, Toomey FB, Bailey LL, Bul RD, et al, *AJR* 1988; 150: 369
- clinical considerations of cardiac transplantation in organ transplantation: preoperative and postoperative evaluation, Andreone PA, Olivari M-T, Ring WS, *Radiol Clin North Am* 1987; 25: 357
- diagnostic applicability of magnetic resonance imaging in assessing human cardiac allograft rejection, (ab), Wisenberg G, Pilugfelder FW, Kostruk WJ, et al, *Radiology* 1988; 166: 910
- diagnostic challenges following cardiac transplantation, Guthaner DF, Schnittger I, Wright A, et al, *Radiol Clin North Am* 1987; 25: 367
- effects of denervation and acute rejection on left ventricular volumes measured by radionuclide ventriculography following cardiac transplantation in the chima baboon, Novitzky D, Cooper DKC, Rose AG, et al, *Semin Nucl Med* 1988; 18: 213
- heterotopic heart transplantation: radiographic review, Adey CK, Nath PH, Soto B, Shin MS, Schwartz M, Epstein AE, Kirklin JK, *Radiographics* 1987; 7: 151
- infectious complications in heart transplant recipients receiving cyclosporin and corticosteroids, (ab), Hofflin JM, Potasman I, Baldwin JC, et al, *Radiology* 1987; 164: 885
- magnetic resonance imaging of cardiac transplants: the evaluation of rejection of cardiac allografts with and without immunosuppression, (ab), Aherne T, Tscholakoff D, Finkbeiner W, et al, *Radiology* 1987; 162: 588
- MRI in organ transplantation, Lund G, Letourneau JG, Day DL, et al, *Radiol Clin North Am* 1987; 25: 281
- obliterative bronchiolitis after heart-lung transplantation: apparent arrest by augmented immunosuppression, (ab), Glanville AR, Baldwin JC, Burke CM, et al, *Radiology* 1988; 167: 586
- periarticular calcification in immunosuppressed cardiac transplant patients, Kubota RT, Resnik CS, *Invest Radiol* 1988; 23: 113
- posttransplantation cyclosporine-induced lymphoproliferative disorders: clinical and radiologic manifestations, Harris KM, Schwartz ML, Slasky BS, Nalesnik M, Makowka L, *Radiology* 1987; 162: 697
- present expectations in cardiac transplantation, (ab), Baumgartner WA, Augustine S, Borkon AM, et al, *Radiology* 1988; 166: 293
- role of nuclear cardiology procedures in the evaluation of cardiac function following heart transplantation, Iturralde M, Novitzky D, Cooper DKC, et al, *Semin Nucl Med* 1988; 18: 221
- Heart, US studies**
- accuracy of fetal echocardiography, Benacerraf RB, Pober BR, Sanders SP, *Radiology* 1987; 163: 847
- aneurysms of the right ventricular outflow tract after tetralogy of Fallot repair: role of radiology, Accuittio RJ, Ross-Accuittio NE, Markowitz RI, Kopf GS, Hellenbrand WE, Fahey JT, Kleinman CS, *Radiology* 1988; 167: 115
- balloon and blade atrial septostomy facilitated by two-dimensional echocardiography, (ab), Lin AE, Di Sessa TG, Williams RG, *Radiology* 1986; 161: 285
- biventricular thrombus formation in association with acute myocardial infarction: diagnosis by two-dimensional echocardiography, Friedman HZ, Buda AJ, *JCU* 1986; 14: 315
- cardiac output determinations in the newborn: reproducibility of the pulsed Doppler velocity measurement, Claflin KS, Alverson DC, Pathak D, et al, *J Ultrasound Med* 1988; 7: 311
- cardiac papillary fibroelastoma and stroke: echocardiographic diagnosis and guide to excision, (ab), Topol EJ, Biern RO, Rietz BA, *Radiology* 1986; 160: 286
- cardiovascular applications of multi-gate pulsed Doppler systems, Reneman RS, van Merode T, Hick P, et al, *Ultrasound Med Biol* 1986; 12: 357
- clinical utility of Doppler ultrasound in cardiac diseases, Nouri S, Labovitz AJ, *JCU* 1987; 15: 599
- combined contrast echocardiographic and hemodynamic evaluation of atrial septal defect associated with persistent left superior vena cava and partial anomalous pulmonary venous connection, Ferrara N, Zarr AMF, Vigorito C, et al, *JCU* 1987; 15: 64
- composite three-dimensional echocardiographic technique for left ventricular volume estimation in children: comparison with angiography and established echographic methods, Fazzalari NL, Goldblatt E, Adams APS, *JCU* 1986; 14: 663
- correlation of cine MR imaging with two-dimensional pulsed Doppler echocardiography in valvular insufficiency, Schiebeler M, Axel L, Reichke N, et al, *JCAT* 1987; 11: 627
- diagnosis of aortic root abscess by cross-sectional echocardiography, Mulcahy D, Shapiro LM, Westgate C, et al, *Clin Radiol* 1986; 37: 235
- diagnostic accuracy of two-dimensional echocardiography for detection of left atrial thrombus in patients with mitral stenosis, Chiang C-W, Pang S-C, Lin F-C, et al, *J Ultrasound Med* 1987; 6: 525
- diastolic flow characteristics of severely impaired left ventricles: pulsed Doppler ultrasound study, Delemarre BJ, Bot H, Pearlman AS, et al, *JCU* 1987; 15: 115
- digital averaging to facilitate two-dimensional echocardiographic measurements, Petrovic O, Feigenbaum H, Armstrong WF, et al, *JCU* 1986; 14: 367
- echocardiographic assessment of left ventricular hypertrophy: comparison to necropsy findings, (ab), Devereux RB, Alonso DR, Lutas EM, et al, *Radiology* 1986; 160: 859
- echocardiographic evaluation of left ventricular function during coronary artery angioplasty, (ab), Alam M, Khaja F, Brymer J, et al, *Radiology* 1986; 161: 285
- echocardiographic features of right atrial thrombi, Boulay F, Danchin N, Neimann J-L, et al, *JCU* 1986; 14: 601
- echocardiographic follow-up in Marfan's syndrome: mitral, tricuspid, and aortic valve prolapse with calcification of patent foramen ovale, Petitalot JP, Chaix AF, Barraine R, *JCU* 1986; 14: 707
- echocardiographic measurement of left ventricular stroke volume in newborn infants: correlative study with pulsed Doppler and M-mode echocardiography, Walther FJ, Siassi B, Wu PYK, *JCU* 1986; 14: 37
- endoscopic micromanipulator for multiplanar transesophageal imaging, Martin RW, Bashein G, Zimmer R, et al, *Ultrasound Med Biol* 1986; 12: 965
- fetal echocardiography: prenatal diagnosis of tricuspid atresia (type I) during the second trimester of pregnancy, DeVore GR, Siassi B, Platt LD, *JCU* 1987; 15: 317
- hemodynamic consequences of left atrial myxomas as assessed by Doppler ultrasound, (ab), Panidis IP, Mintz GS, McAllister M, *Radiology* 1987; 162: 886
- identification of intracardiac thrombus: comparison of computed tomography and cross-sectional echocardiography, Foster CJ, Sekiya T, Love HG, et al, *Br J Radiol* 1987; 60: 327
- imaging the heart: cardiac scintigraphy and echocardiography in U.S. hospitals (1983), McPhee SJ, Garnick DW, *J Nucl Med* 1986; 27: 1635
- intraatrial extension of hepatocellular carcinoma detected with ultrasound, Morimoto K, Matsui K, Hashimoto T, et al, *JCU* 1986; 14: 466
- intracoronary echo-contrast agents: abnormalities in myocardial function in a normal and reduced coronary perfusion model in dogs, Christensen CW, Reeves WC, Holt GW, *Ultrasound Med Biol* 1988; 14: 199
- in utero thickening of the chordae tendinae: a cause of intracardiac echogenic foci, Schechter AG, Fakhry J, Shapiro LR, et al, *J Ultrasound Med* 1987; 6: 691
- in vivo radiofrequency ultrasound analysis of normal human heart structures, Lattanzi F, Picano E, Mazzarisi A, et al, *JCU* 1987; 15: 371
- longitudinal trends in left ventricular cardiac output in healthy infants in the first year of life, Alverson DC, Aldrich M, Angelus P, et al, *J Ultrasound Med* 1987; 6: 519
- magnetic resonance imaging and two-dimensional echocardiography, (ab), Goldman AP, Kotler MN, Scanlon MH, et al, *Radiology* 1987; 162: 588

- phasic flow in the left ventricular inflow tract: the importance of Doppler sample volume position. Delemarre BJ; Bot H; Visser CA; et al. JCU 1988; 16: 227
- quantitation in echocardiography. Skorton DJ; Collins SM. Cardiovasc Intervent Radiol 1987; 10: 316
- quantitative analysis of segmental wall motion during maximal upright dynamic exercise: variability in normal adults. (ab). Ginzton LE; Conant R; Brizendine M; et al. Radiology 1986; 160: 287
- quantitative applications of Doppler cardiography in congenital heart disease. Colan SD. Cardiovasc Intervent Radiol 1987; 10: 332
- radiologic and real time echocardiographic evaluation of the cyanotic newborn. Unger FM; Cavanaugh DJ; Johnson GF; Tuuri DT; Beekman R. Radiographics 1986; 6: 603
- radiology of cardiac pacemakers. Steiner RM; Tegtmeyer CJ; Morse D; Moses ML; Goodman LR; Nanda N; Ravin CE; Parsonnet V; Flicker S. Radiographics 1986; 6: 373
- short-axis circumferential profiles of the heart in healthy subjects: comparison of TI-201 SPECT and two-dimensional echocardiography. Clausen M; Civelek AC; Bice AN; Petronis J; Koller D; Loncaric S; Weiss JL; Wagner HN Jr. Radiology 1988; 168: 723
- suspected intracardiac masses: evaluation with MR imaging. Winkler ML; Higgins CB. Radiology 1987; 165: 117
- two-dimensional echocardiographic detection of a left sinus of Valsalva aneurysm. Danchin N; Le Hellocq A; Amrein D; et al. JCU 1987; 15: 479
- two-dimensional echocardiographic imaging: *in vitro* comparison of conventional and dynamically focused annular array transducers. Pini R; Ferrucci L; Di Bari M; et al. Ultrasound Med Biol 1987; 13: 643
- two-dimensional echocardiography in the diagnosis of intracardiac masses: a prospective study with anatomic validation. Sheiban I; Casarotto D; Trevi G; et al. Cardiovasc Intervent Radiol 1987; 10: 157
- valvular regurgitation: dynamic MR imaging. Utz JA; Herfkens RJ; Heinsimer JA; Shimakawa A; Glover G; Pelc N. Radiology 1988; 168: 91
- ### Heart, valves
- case of the season. Yeung SC. Semin Roentgenol 1986; 21: 5
- cine-fluororadiographic evaluation of the Bjork-Shiley prosthesis—serial post-operative follow-up in 400 patients. Rajani M; Mukhopadhyay S; Maheshwari R; et al. Australas Radiol 1986; 30: 13
- correlation of cine MR imaging with two-dimensional pulsed Doppler echocardiography in valvular insufficiency. Schiebler M; Axel L; Reichel N; et al. JCAT 1987; 11: 627
- echocardiographic follow-up in Marfan's syndrome: mitral, tricuspid, and aortic valve prolapse with calcification of patent foramen ovale. Petitalot JP; Chaix AF; Barraine R. JCU 1986; 14: 707
- evaluation of valvular regurgitation by factor analysis of first-pass angiography. Philippe L; Mena I; Darcourt J; et al. J Nucl Med 1988; 29: 159
- fate of thrombectomized Bjork-Shiley valves: long-term cinefluoroscopic, echocardiographic, and hemodynamic evaluation. (ab). Venugopal P; Kaul U; Iyer KS; et al. Radiology 1986; 161: 285
- interventional procedures in congenital heart disease. White RI Jr; Mitchell SE; Kan J. Cardiovasc Intervent Radiol 1986; 9: 286
- late thrombosis of the Bjork-Shiley tilting disc valve in the tricuspid position: thrombolytic treatment with streptokinase. (ab). Boskovic D; Elezovic I; Boskovic D; et al. Radiology 1987; 162: 294
- magnetic resonance imaging of prosthetic heart valves. Soulen RL. Radiology 1986; 158: 279
- mediastinitis after cardiac valve operations: impact upon survival. (ab). Cheung EH; Craver JM; Jones EL; et al. Radiology 1986; 160: 287
- mitral or aortic regurgitation: quantification of regurgitant volumes with cine MR imaging. Sechtem U; Pfugfelder PW; Cassidy MM; White RD; Chetlin MD; Schiller NB; Higgins CB. Radiology 1988; 167: 425
- MRI of perivalvular infectious pseudoaneurysms. Winkler ML; Higgins CB. AJR 1986; 147: 253
- new cineradiographic methods for assessment of Bjork-Shiley valve integrity. Cousin AJ; Soto B. AJR 1986; 147: 1139
- percutaneous pulmonary valvuloplasty with a double-balloon technique. Park JH; Yoon YS; Yeon KM; Han MC; Kim C-W; Oh BH; Lee YW. Radiology 1987; 164: 715
- prosthetic heart valve malfunction: plain film findings. Lewall DB; Ofelo S; McCorkell SJ. J Canad Assoc Radiol 1988; 39: 182
- radiographic appearance of the Medtronic Hall valve prosthesis. Mamourian AC; Pae WE. AJR 1986; 146: 485
- radiographic appearances of the St. Jude medical valve. Paquet DJ; Randall PA; Parker FB. J Canad Assoc Radiol 1988; 39: 186
- radiology of cardiac valve prostheses. Steiner RM; Mintz G; Morse D; Kotler M; Flicker S; Raichlen JS; Fernandez J; Panto M; Chun P; Gonzalez-Lavin L. Radiographics 1988; 8: 277
- right atrioventricular valve atresia: anatomic evaluation with MR imaging. Fletcher BD; Jacobstein MD; Abramowsky CR; et al. AJR 1987; 148: 671
- valvular regurgitation: dynamic MR imaging. Utz JA; Herfkens RJ; Heinsimer JA; Shimakawa A; Glover G; Pelc N. Radiology 1988; 168: 91
- ### Heart, ventricles
- advantages and applications of the centerline method for characterizing regional ventricular function. (ab). Sheehan FH; Bolton EL; Dodge HT; et al. Radiology 1987; 162: 588
- arrhythmic right ventricular dysplasia: delineation of myopathic site by intracoronary thallium-201. Adachi H; Sugihara H; Nakagawa H; et al. Clin Nucl Med 1986; 11: 763
- comparison of angiographic and electrocardiographically gated computed tomographic measurements of left-ventricular function. Foster CJ; Brownlee WC; Griffin JF; et al. Br J Radiol 1987; 60: 969
- comparison of digital with conventional ventriculography for quantitative right ventricular studies. Lange PE; Radtke W; Fellows KE; et al. Cardiovasc Intervent Radiol 1988; 11: 5
- comparison of monoplane and biplane assessment of regional left ventricular wall motion after thrombolytic therapy for acute myocardial infarction. (ab). Holmes DR; Bove AA; Nishimura RA; et al. Radiology 1987; 165: 586
- detection of an apico-aortic conduit by radionuclide ventriculography. Liu J; Vasavada PJ; Gerson MC; et al. Clin Nucl Med 1987; 12: 827
- detection of coronary artery disease by analysis of ventricular filling. Miller TR; Fountos A; Biello DR; et al. J Nucl Med 1987; 28: 837
- diastolic flow characteristics of severely impaired left ventricles: pulsed Doppler ultrasound study. Delemarre BJ; Bot H; Pearlman AS; et al. JCU 1987; 15: 115
- double-chambered right ventricle. (ab). Simpson WF Jr; Sade RM; Crawford FA; et al. Radiology 1988; 166: 589
- effects of gating modes on the analysis of left ventricular function in the presence of heart rate variation. Juni JE; Chen CC; J Nucl Med 1988; 29: 1272
- estimation of human myocardial mass with MR imaging. Katz J; Milliken MC; Stray-Gundersen J; Buja LM; Parkey RW; Mitchell JH; Peshock RM. Radiology 1988; 169: 495
- estimation of left ventricular volume and mass by magnetic resonance imaging: comparison with quantitative biplane angiocardiology. Just H; Holubarsch C; Friedburg H. Cardiovasc Intervent Radiol 1987; 10: 1
- estimation of left ventricular volume and mass by magnetic resonance imaging: comparison with quantitative biplane angiocardiology. Just H; Holubarsch C; Friedburg H. Cardiovasc Intervent Radiol 1987; 10: 1
- evaluation of regional ventricular wall motion by ECG-gated CT. Bouchard A; Lipton MJ; Farmer DW; et al. JCAT 1987; 11: 969
- gated xenon scans for right ventricular function. Martin W; Tweddell AC; McGhie I; et al. J Nucl Med 1986; 27: 609
- last surviving wall. Boykin M; Hartshorne MF; Bauman JM; et al. Clin Nucl Med 1987; 12: 751
- measurement of canine left ventricular mass by using MR imaging. Caputo GR; Tscholakoff D; Sechtem U; et al. AJR 1987; 148: 33
- measurement of right and left ventricular volumes in healthy individuals with cine MR imaging. Sechtem U; Pfugfelder PW; Gould RG; Cassidy MM; Higgins CB. Radiology 1987; 163: 697
- measurement of right ventricular volume using cine computed tomography. Mahoney LT; Smith W; Noel MP; et al. Invest Radiol 1987; 22: 451
- new method to determine left ventricular pressure-volume loops in the clinical setting. Purut CM; Sell TL; Jones RH. J Nucl Med 1988; 29: 1492
- quantification of left-ventricular regional dysynergy by radionuclide angiography. Starling MR; Walsh RA; Lasher JC; et al. J Nucl Med 1987; 28: 1725
- quantitation of left ventricular anatomy and function by ultrafast CT. Lipton MJ. Cardiovasc Intervent Radiol 1987; 10: 348
- regional left ventricular wall thickening by magnetic resonance imaging: evaluation in normal persons and patients with global and regional dysfunction. (ab). Sechtem U; Sommerhoff BA; Markiewicz W; et al. Radiology 1987; 164: 590
- right ventricular volume determination in isolated human hearts. Erbel R; Richter HA; Krebs W; et al. JCU 1986; 14: 89
- simultaneous measurement of ventricular function and myocardial perfusion using the technetium-99m isonitrites. Sporn V; Balino NP; Holman BL; et al. Clin Nucl Med 1988; 13: 77
- use of radionuclide measurements of left ventricular function for prognosis in patients with coronary artery disease. Jones RH. Semin Nucl Med 1987; 17: 95
- ### Heart, volume
- assessment of cardiac size on portable chest films. Milne ENC; Burnett K; Aufrehtig D; et al. J Thorac Imag 1988; 3-2: 64
- composite three-dimensional echocardiographic technique for left ventricular volume estimation in children: comparison with angiography and established echocardiographic methods. Fazzalari NL; Goldblatt E; Adams APS. JCU 1986; 14: 663
- correlation of right and left ventricular ejection fraction and volume measurements. Benedetto AR; Nusynowitz ML. J Nucl Med 1988; 29: 1114
- could inspiratory apnea disturb left ventricular volume assessment by contrast angiography? Rocha P; Pathe M; Baron B; et al. Cardiovasc Intervent Radiol 1987; 10: 65
- determination of left ventricular volumes with use of DSA density values. Takahashi M; Tsuchigame T; Tomiguchi S; et al. Comput Radiol 1986; 10: 1
- estimation of human myocardial mass with MR imaging. Katz J; Milliken MC; Stray-Gundersen J; Buja LM; Parkey RW; Mitchell JH; Peshock RM. Radiology 1988; 169: 495
- estimation of left ventricular volume and mass by magnetic resonance imaging: comparison with quantitative biplane angiocardiology. Just H; Holubarsch C; Friedburg H. Cardiovasc Intervent Radiol 1987; 10: 1
- first-pass angler camera radiocardiography: biventricular ejection fraction, flow, and volume measurements. Nusynowitz ML; Benedetto AR; Walsh RA; et al. J Nucl Med 1987; 28: 950
- giant right atrium after mitral valve replacement: plain film findings in 15 patients. Rubin SA; Hightower CW; Flicker S. AJR 1987; 148: 257
- measurement of heart size in the antero-posterior chest radiograph. Kahala JE; Wilde P. Br J Radiol 1987; 60: 981

- measurement of normal left heart dimensions using optimally oriented MR images, Kaul S; Wismer GL; Brady TJ; et al, *AJR* 1986; 146: 75
- measurement of right and left ventricular volumes in healthy individuals with cine MR imaging, Sechtem U; Pfugfelder PW; Gould RG; Cassidy MM; Higgins CB, *Radiology* 1987; 163: 697
- measurement of right ventricular volume using cine computed tomography, Mahoney LT; Smith W; Noel MF; et al, *Invest Radiol* 1987; 22: 451
- new method to determine left ventricular pressure-volume loops in the clinical setting, Purut CM; Sell TL; Jones RH, *J Nucl Med* 1988; 29: 1492
- posttraumatic tension pneumopericardium: "small heart" sign, Mirvis SE; Indeck M; Schorr RM; Diaconis JN, *Radiology* 1986; 158: 663
- quantitation of cardiac dimensions from ECG-synchronized MRI studies, Dinsmore RE, *Cardiovasc Intervent Radiol* 1987; 10: 356
- right ventricular volume determination in isolated human hearts, Erbel R; Richter HA; Krebs W; et al, *JCU* 1986; 14: 89
- simplified count-based estimates of left ventricular volume, Lavine SJ; Shreiner DP; Krishnaswami V; et al, *Clin Nucl Med* 1986; 11: 168
- Helium ion therapy**
- comparison of helium-ion radiation therapy and split-course megavoltage irradiation for unresectable adenocarcinoma of the pancreas: final report of a Northern California oncology group randomized prospective clinical trial, Linstadt D; Quivey JM; Castro JR; Andejeski Y; Phillips TL; Hannigan J; Gribble M, *Radiology* 1988; 168: 261
- treatment planning study for carcinoma of the esophagus: helium ions versus photons, Zink SR; Lyman JT; Castro JR; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 993
- Hemangioblastoma**
- See Angioma
- Hemangioendothelioma**
- benign hemangioendothelioma involving posterior mediastinum: CT findings, Tarr RW; Page DL; Glick AG; et al, *JCAT* 1986; 10: 865
- case report 458, Lye DJ; Wepfer JF; Haskell DS, *Skeletal Radiol* 1988; 17: 57
- computed tomography, management, and follow-up in infantile hemangioendothelioma of the liver in infants and children, Mahboubi S; Sunaryo FP; Glassman MS; et al, *CT* 1987; 11: 370
- facial vascular malformations in children: conventional and digital, diagnostic and therapeutic angiography, Brunelle FO; Chaumont P; Teillac D; et al, *Pediatr Radiol* 1988; 18: 377
- fetal neck hemangioendothelioma with secondary hydrops fetalis: sonographic diagnosis, McGahan JP; Schneider JM, *JCU* 1986; 14: 384
- hepatic epithelioid hemangioendothelioma, Radin DR; Craig JR; Colletti PM; Ralls PW; Halls JM, *Radiology* 1988; 169: 145
- infantile hemangioendothelioma: angiographic features and factors determining efficacy of hepatic artery embolization, Burke DR; Verstandig A; Edwards O; et al, *Cardiovasc Intervent Radiol* 1986; 9: 154
- infantile hemangioendothelioma of the liver, Diakoumakis EE; Weinberg B; Seife B; et al, *JCU* 1986; 14: 137
- malignant hemangioendothelioma demonstrated by thallium imaging, Kida T; Hujita Y; Munaka S; et al, *Clin Nucl Med* 1987; 12: 886
- scintigraphic findings in infantile hemangioendothelioma, Noel AW; Heyman S, *Clin Nucl Med* 1986; 11: 413
- Hemangioma**
- See Angioma
- Hemangiopericytoma**
- CT appearance of hemangiopericytoma, Alpern MB; Thorsen MK; Kellman GM; et al, *JCAT* 1986; 10: 264
- does radiotherapy have a role in hemangiopericytoma management? report of 14 new cases and a review of the literature, Jha N; McNeese M; Barkley HT Jr; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1399
- male pelvic hemangiopericytoma on computed tomography, Yoo RE; Sunwoo YC; Markivee CR, *CT* 1986; 10: 73
- malignant hemangiopericytoma: computed tomography and magnetic resonance imaging, Shin MS; Koehler RE; Stanley RJ; et al, *CT* 1987; 11: 297
- orbital and intracranial hemangiopericytoma: case report with a short review, Kolawole TM; Patel PJ; Boshra Y; et al, *Eur J Radiol* 1988; 8: 106
- retroperitoneal and pelvic hemangiopericytomas: clinical, radiologic, and pathologic correlation, Goldman SM; Davidson AJ; Neal J, *Radiology* 1988; 168: 13
- Hematoma**
- See hemorrhage under names of organs and regions, such as Brain, hemorrhage
- Hematopoiesis, extramedullary**
- computed tomography of fatty replacement in extramedullary hematopoiesis, Yamato M; Fuhrman CR, *JCAT* 1987; 11: 541
- CT features of presacral mass: unusual focus of extramedullary hematopoiesis, Chao FW; Farman J; Kapelner S, *JCAT* 1986; 10: 684
- extra-medullary hematopoiesis causing paraplegia, Thompson SA, *Australas Radiol* 1988; 32: 141
- extramedullary hematopoiesis in acute lymphocytic leukemia masquerading as hepatic, renal, and splenic microabscesses, Kopecky KK; Moriarty AT; Antony AC; et al, *AJR* 1986; 147: 846
- extramedullary hematopoiesis: demonstration by transmission and emission computed tomography, Parker LA; Vincent LM; Mauro MA; et al, *Clin Nucl Med* 1986; 11: 1
- extramedullary hematopoiesis in the adrenal glands: CT characteristics, King BF; Kopecky KK; Baker MK; et al, *JCAT* 1987; 11: 342
- focal intrahepatic extramedullary hematopoiesis mimicking neoplasm, Wiener MD; Halvorsen KA Jr; Vollmer RT; et al, *AJR* 1987; 149: 1171
- premature epiphyseal fusion and extramedullary hematopoiesis in thalassemia, Colavita N; Orazi C; Danza SM; et al, *Skeletal Radiol* 1987; 16: 533
- sonographic appearance of pelvic extramedullary hematopoiesis, Campbell WE Jr; Weinstein BJ, *J Ultrasound Med* 1986; 5: 103
- thoracic extramedullary hematopoiesis in sickle-cell disease, Gumbs RV; Higginbotham-Ford EA; Teal JS; et al, *AJR* 1987; 149: 889
- ultrasound appearance of extramedullary hematopoiesis, Shawker TH; Hill MC; Hill S; et al, *J Ultrasound Med* 1987; 6: 283
- Hematuria**
- diagnosis of neoplasia in patients with asymptomatic microscopic hematuria: a decision analysis, (ab), Corwin HL; Silverstein MD, *Radiology* 1988; 169: 882
- evaluation of gross hematuria in anticoagulated patients: efficacy of IV urography and cystoscopy, Cuttino JT Jr; Clark RL; Feaster SH; et al, *AJR* 1987; 149: 527
- general case of the day, annual meeting, 1985, Hattery RR; Hartman GW; Williamson B, *Radiographics* 1986; 6: 1091
- hematuria: red herring?, Kenney JJ; Mackay IG, *Br J Radiol* 1986; 59: 417
- "idiopathic" hematuria: a prospective evaluation, (ab), Copley JB; Hasbergen JA, *Radiology* 1987; 164: 589
- left renal vein hypertension in patients with left renal bleeding of unknown origin, Nishimura Y; Fushiki M; Yoshida M; Nakamura K; Imai M; Ono T; Morikawa S; Hatayama T; Komatz Y, *Radiology* 1986; 160: 663
- loin pain hematuria syndrome, Reifsteck JE; Holder JC; Liu GC; et al, *Urol Radiol* 1987; 9: 155
- selective renal embolization for hematuria: coordination with cystoscopy, Swartz DA; McLellan GL; Mitchum D; et al, *AJR* 1988; 150: 325
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 158: 113
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Levine E, *Radiology* 1986; 159: 817
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course: reply, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 159: 817
- ultrasonographic screening of childhood hematuria, Jequier S; Cramer B; Pettigrew T, *J Canad Assoc Radiol* 1987; 38: 170
- Hemimegalencephaly**
- See Brain, diseases
- Hemochromatosis**
- hemochromatosis of the pituitary gland: MR imaging, Fujisawa I; Morikawa M; Nakano Y; Konishi J, *Radiology* 1988; 168: 213
- MR imaging of focal hemochromatosis, Murphy FB; Bernardino ME, *JCAT* 1986; 10: 1044
- MR imaging of thyroid hemochromatosis, Noma S; Konishi J; Morikawa M; et al, *JCAT* 1988; 12: 623
- potential MR pitfall in relying on lesion/liver intensity ratio in presence of hepatic hemochromatosis, Mirowski S; Heiken JP; Lee JKT, *JCAT* 1988; 12: 323
- Hemodialysis**
- See Dialysis
- Hemoglobin**
- hemoglobin, radiation, morbidity and survival, Dische S; Saunders MI; Warburton MF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1335
- induction of hypoxia in normal and malignant tissues by changing the oxygen affinity of hemoglobin—implications for therapy, Adams GE; Barnes DWH; du Boulay C; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1299
- theoretical evaluation of expected changes in oxygenation of tumors associated with different hemoglobin levels, Degner FL; Sutherland RM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1291
- tumor radiosensitization through reductions in hemoglobin affinity, Siemann DW; MacIver LM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1295
- Hemoglobinuria**
- magnetic resonance appearance of the kidneys in paroxysmal nocturnal hemoglobinuria, Lupetin AR, *Urol Radiol* 1986; 8: 101
- MRI of the kidneys in paroxysmal nocturnal hemoglobinuria, Mulopulos GP; Turner DA; Schwartz MM; et al, *AJR* 1986; 146: 51
- Hemolytic-uremic syndrome**
- cortical echogenicity in the hemolytic uremic syndrome: clinical correlation, Choyke PL; Grant EG; Hoffer FA; et al, *J Ultrasound Med* 1988; 7: 439
- sonography of the kidneys in hemolytic uremic syndrome, Kenney PJ; Brinko RE; Patel DV; et al, *Invest Radiol* 1986; 21: 547
- Hemophilia**
- case of the season, Kinori I, *Semin Roentgenol* 1987; 22: 146
- case report 471, Hermann G; Gilbert M, *Skeletal Radiol* 1988; 17: 152
- case report 475, Nielsen FF; Christensen SE; de Carvalho A, *Skeletal Radiol* 1988; 17: 205
- computed tomography and ultrasonography of the hemophilic pseudotumor and their use in surgical planning, Hermann G; Yeh H-C; Gilbert MS, *Skeletal Radiol* 1986; 15: 123
- hemophilic arthropathy: assessment with MR imaging, Yulish BS; Lieberman JM; Strandjord SE; Bryan PJ; Mulopulos GP; Modic MT, *Radiology* 1987; 164: 759
- magnetic resonance imaging in hemophilic arthropathy of the knee, Pettersson H; Gillespy T; Kitchens C; et al, *Acta Radiol* 1987; 28: 621
- MR imaging of hemophilic arthropathy, Kulkarni MV; Drolshagen LF; Kaye JJ; et al, *JCAT* 1986; 10: 445
- MR imaging of hemophilic pseudotumors, Wilson DA; Prince JR, *AJR* 1988; 150: 349
- radiological evaluation of chronic hemophilic arthropathy by the Pettersson score: problems in correlation in adult patients, Hamel J; Pohlmann H; Schramm W, *Skeletal Radiol* 1988; 17: 32
- sonographic diagnosis of a subdural hematoma as the initial manifestation of hemophilia in a newborn, Franze I; Forrest TS, *J Ultrasound Med* 1988; 7: 149

- sonographic localization of hematomas in hemophilic patients with positive iliopsoas sign, Graif M; Martinovitz U; Strauss S; et al, *AJR* 1987; 148: 121
- ultrasonographic evaluation of intramural gastric and duodenal hematoma in hemophiliacs, Morimoto K; Hashimoto T; Choi S; et al, *JCU* 1988; 16: 108
- unusual presentation of a large infected hemophilic pseudotumor in an autologous indium-111 WBC scan, Auger MJ; Critchley M; McVerry BA, *Clin Nucl Med* 1986; 11: 568
- Hemophilus influenzae**
hemophilus influenzae septic arthritis in adults: report of four cases and a review of the literature, (ab), Borenstein DG; Simon GL, *Radiology* 1987; 162: 589
- predictive value of computed tomography and *Haemophilus influenzae* capsular antigen in subdural fluid collections, Suchet I; Horowitz T; Kitay S; et al, *Clin Radiol* 1988; 39: 265
- Hemoptysis**
See Lung, hemorrhage
- Hemorrhage**
See also under names of organs, such as Brain, hemorrhage
- embolization in cataplexy hemorrhage caused by squamous cell carcinomas of the head and neck, Wilner HI; Lazo A; Metes JJ; Beil KA; Nowack P; Jacobs J, *Radiology* 1987; 163: 759
- extratesticular hemorrhage associated with torsion of the spermatic cord: sonographic demonstration, Vick CW; Bird K; Rosenfield AT; Klein FA; Schneider V; Walsh JW; Brewer WH, *Radiology* 1986; 158: 401
- focal adrenal hemorrhage: new US appearance, Cohen EK; Daneman A; Stringer DA; Soto G; Thorner P, *Radiology* 1986; 161: 631
- radiologic management of fluid collections in children, Gaisie G; Jaques PF; Mauro MA, *Pediatr Radiol* 1987; 17: 143
- subacute subcapsular hematoma of the spleen complicating pancreatitis: successful percutaneous drainage, Vyborny CJ; Merrill TN; Reda J; Geurkink RE; Smith SJ, *Radiology* 1988; 169: 161
- Hemorrhage, CT**
best fit method, a simple way for measuring the volume of an intracerebral haematoma, Franke CL; Versteeg CWM; van Gijn J, *Neuroradiol* 1988; 30: 73
- calf hematoma—computed tomographic and magnetic resonance findings, Fakter RL; Fishman EK; Zerhouni EA, *Skeletal Radiol* 1987; 16: 393
- chronic subdural hematoma: correlation of computerized tomography with colour, Naim-ur-Rahman, *Neuroradiol* 1987; 29: 40
- chronic subdural hematomas: time-density curve and iodine concentration in enhanced CT, Karasawa H; Tomita S; Suzuki S, *Neuroradiol* 1987; 29: 36
- Hemorrhage, MR studies**
abnormalities of the neonatal brain: MR imaging, part I. intracranial hemorrhage, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Crofford MJ; Amparo EG, *Radiology* 1987; 163: 387
- calf hematoma—computed tomographic and magnetic resonance findings, Fakter RL; Fishman EK; Zerhouni EA, *Skeletal Radiol* 1987; 16: 393
- hemorrhagic intracranial malignant neoplasms: spin-echo MR imaging, Atlas SW; Grossman RI; Gomori JM; Hackney DB; Goldberg HI; Zimmerman RA; Bilaniuk LT, *Radiology* 1987; 164: 71
- high-field MR imaging of extracranial hematomas, Rubin J; Gomori JM; Grossman RI; et al, *AJR* 1987; 148: 813
- mechanisms responsible for the MR appearance and evolution of intracranial hemorrhage, Gomori JM; Grossman RI, *Radiographics* 1988; 8: 427
- MR imaging of body fluid collections, Terrier F; Revel D; Pajannen H; et al, *JCAT* 1986; 10: 953
- MR imaging of extracranial hematomas: comparison with CT, Dooms CC; Uske A; Berthiaume Y, *Eur J Radiol* 1986; 6: 30
- MR imaging of hemorrhagic conditions of the head and neck, Grossman RI; Gomori JM; Goldberg HI; Hackney DB; Atlas SW; Kemp SS; Zimmerman RA; Bilaniuk LT, *Radiographics* 1988; 8: 441
- MRI of extracranial hematomas: preliminary observations, Unger EC; Glazer HS; Lee JKT; et al, *AJR* 1986; 146: 403
- MR of hemorrhage: new approach, Edelman RR; Johnson K; Buxton R; et al, *AJNR* 1986; 7: 751
- paranasal sinus hemorrhage: evaluation with MR imaging, Zimmerman RA; Bilaniuk LT; Hackney DB; Goldberg HI; Grossman RI, *Radiology* 1987; 162: 499
- sequential MR studies of intracerebral hematomas in monkeys, Di Chiro G; Brooks RA; Giron ME; et al, *AJNR* 1986; 7: 193
- T2 effect of hemoglobin concentration: assessment with in vitro MR spectroscopy, Hayman LA; Ford JJ; Taber KH; Saleem A; Round ME; Bryan RN, *Radiology* 1988; 168: 489
- variable appearances of subacute intracranial hematomas on high-field spin-echo MR, Gomori JM; Grossman RI; Hackney DB; et al, *AJNR* 1987; 8: 1019
- Hemorrhage, radionuclide studies**
demonstration of a para-aortic hematoma with indium-111 labeled leukocytes after translumbar angiography, Urrutia EJ; Yuschok TJ; Rolles RJ; et al, *Clin Nucl Med* 1988; 13: 59
- organizing hematoma of the thigh: multiple imaging techniques, Lovren RE; Bosse DA; Hartshorne MF; et al, *Clin Nucl Med* 1987; 12: 661
- precise intraoperative location of gastrointestinal bleeding with a hand-held counter: work in progress, Williamson MR; Boyd CM; McGuire EL; Anguaco TL; Westbrook KC; Lang NP; Alston J; Broadwater JR; Navab F; Bersey ML, *Radiology* 1986; 159: 272
- scintigraphic detection of bleeding after transfemoral arteriography, using technetium-99m labeled RBCs, Gips S; Israel O, *Clin Nucl Med* 1986; 11: 669
- scintigraphic detection of occult hemorrhage in a patient receiving anticoagulants, Rosenbaum RC; Johnston GS; Whitley NO, *J Nucl Med* 1986; 27: 223
- Hemorrhoids**
interventional colorectal endoscopic procedures: residual lesions on follow-up double-contrast barium enema study, Bartram CI; Hall-Craggs MA, *Radiology* 1987; 162: 835
- Hemothorax**
See Thorax, hemorrhage
- Heparin**
use of the activated coagulation time as a measure of anticoagulation during interventional procedures, Scott JA; Berenstein A; Blumenthal D, *Radiology* 1986; 158: 849
- value of myocardial defect size measured by thallium-201 SPECT: results of a multicenter trial comparing heparin and a new fibrinolytic agent, Maublant JC; Peycelon P; Cardot JC; et al, *J Nucl Med* 1988; 29: 1486
- Hepatic arteries**
acute allograft rejection in liver transplant recipients: lack of correlation with loss of hepatic artery diastolic flow, Longley DG; Skolnick ML; Sheahan DG, *Radiology* 1988; 169: 417
- aneurysm of the proper hepatic artery as a rare source of upper gastrointestinal bleeding, Hugel HE; Oser W; Bodner E, *Gastrointest Radiol* 1986; 11: 158
- cholangiographic findings in hepatic artery occlusion after liver transplantation, Zajko AB; Campbell WL; Logsdon GA; et al, *AJR* 1987; 149: 485
- hepatic arterial and portal venous components of liver blood flow: a dynamic scintigraphic study, O'Connor MK; MacMathuna P; Keeling PWN, *J Nucl Med* 1988; 29: 466
- hepatic artery aneurysms: ultrasonic diagnosis, Rigaux A; Vossen P; Van Baarle A; et al, *JCU* 1986; 14: 401
- imaging of surgically relevant hepatic vascular and segmental anatomy, part 1. normal anatomy, Mukai JK; Stack CM; Turner DA; et al, *AJR* 1987; 149: 287
- imaging of surgically relevant hepatic vascular and segmental anatomy, part 2. extent and resectability of hepatic neoplasms, Mukai JK; Stack CM; Turner DA; et al, *AJR* 1987; 149: 293
- indium-111 labeled leukocyte imaging following hepatic artery embolization, Witte RJ; Petersen RJ; Augustine SC; et al, *Clin Nucl Med* 1986; 11: 341
- plastic-coated guide wire for hepatic arteriography, Takayasu K; Muramatsu Y; Moriyama N; Ohtsu T; Catapia FC, *Radiology* 1988; 166: 545
- unusual cause of haemobilia, Dock W; Grabenwöger F; Bardach G; et al, *Br J Radiol* 1987; 60: 1228
- Hepatic arteries, abnormalities**
pseudoaneurysm of anomalous right hepatic artery as a cause for hemococcus pancreatitis, Rao RCK; Kumar A; Berry M, *Gastrointest Radiol* 1987; 12: 313
- replaced or right accessory hepatic artery: can ultrasound replace angiography?, Bret PM; Reinhold C; Herba M; et al, *JCU* 1988; 16: 245
- Hepatic arteries, therapeutic blockade**
carcinoid syndrome: palliation by hepatic artery embolization, Carrasco CH; Charnsangavej C; Ajani J; et al, *AJR* 1986; 147: 149
- computed tomography of the liver after dearterialization and intraarterial chemotherapy, Keramati B; Whitley NO; Didolkar MS; et al, *CT* 1986; 10: 303
- control of hepatic tumor hemorrhage by transcatheter embolization with Ethibloc, Jaschke W; Hoevels J, *Acta Radiol* 1988; 29: 15
- emphysematous cholecystitis: complication of hepatic artery embolization, Nakamura H; Kondoh H, *Cardiovasc Intervent Radiol* 1986; 9: 152
- failure of Ivalon to provide permanent hepatic arterial occlusion, Miller DL, *Cardiovasc Intervent Radiol* 1987; 10: 111
- hepatic arterial embolization in patients with metastatic carcinoid tumours, (ab), Odurny A; Birch SJ, *Radiology* 1986; 159: 575
- hepatic artery embolization of experimental hepatic tumors with absolute ethanol, Matsui O; Kawamura I; Kadoya M; et al, *Cardiovasc Intervent Radiol* 1986; 9: 146
- hepatic embolization through periportal collaterals: balloon occlusion technique, Nakamura H; Hashimoto T; Oi H; et al, *AJR* 1987; 148: 626
- hepatic embolization with an open-ended guide wire, Coldwell DM, *Radiology* 1987; 165: 285
- infantile hemangioendothelioma: angiographic features and factors determining efficacy of hepatic artery embolization, Burke DR; Verstandig A; Edwards O; et al, *Cardiovasc Intervent Radiol* 1986; 9: 154
- intra-arterial cis-platinum infusion with sodium thiosulfate protection and angiotensin II induced hypertension for treatment of hepatocellular carcinoma, Onohara S; Kobayashi H; Itoh Y; et al, *Acta Radiol* 1988; 29: 197
- intrahepatic rupture of hepatocellular carcinoma: treatment by hepatic artery embolization, Hsieh J-S; Huang C-J; Huang Y-S; et al, *AJR* 1987; 149: 715
- occurrence of an intrahepatic porto-arterial shunt after hepatic artery embolization with Gelfoam powder in rats and rabbits, Matsui O; Kawamura I; Takashima T, *Acta Radiol* 1986; 27: 119
- peripheral hepatic arterial embolization with crosslinked collagen fibers, Daniels JR; Kerlan RK Jr; Dadds L; et al, *Invest Radiol* 1987; 22: 126
- regional hyperthermia combined with blockade of the hepatic arterial blood flow by degradable starch microspheres in pigs, Akuta K; Hiraoka M; Jo S, *Int J Radiat Oncol Biol Phys* 1987; 13: 239
- sonography of gallbladder perforation: complication of transcatheter hepatic artery embolization, Sata T; Higashi Y; Ono Y, *J Ultrasound Med* 1986; 5: 715
- steel coil embolization of hepatoportal fistulae, Applbaum YN; Renner JW, *Cardiovasc Intervent Radiol* 1987; 10: 75
- therapeutic embolization of the hepatic artery, (ab), Campbell DR; Mason WF; Flemming BK; et al, *Radiology* 1986; 159: 575

Hepatic arteries, thrombosis

Hepatic arteries, thrombosis

duplex sonography of hepatic artery thrombosis after liver transplantation, Flint EW; Sumkin JH; Zajko AB; et al, *AJR* 1988; 151: 481

hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy, Charnsangavej C; Carrasco CH; Wallace S; Richli W; Haynie TP, *Radiology* 1987; 165: 71

hepatic artery thrombosis after liver transplantation: radiologic evaluation, Segel MC; Zajko AB; Bowen A; et al, *AJR* 1986; 146: 137

infected bile lakes following pediatric liver transplantation: nonsurgical management, Rollins NK; Andrews WS; Currarino G; Miller RH; Smith TH; Redman HC, *Radiology* 1988; 166: 169

infected bilomas and hepatic artery thrombosis in infant recipients of liver transplants: interventional radiology and medical therapy as an alternative to retransplantation, Hoffer FA; Teele RL; Lillehei CW; Vacanti JP, *Radiology* 1988; 169: 435

local thrombolytic therapy for hepatic artery thrombosis following chemotherapy infusion catheter placement, Andrews JC; Griggs TJ; Ensminger WD; et al, *Invest Radiol* 1987; 22: 467

vascular complications after liver transplantation: 5-year experience, Wozney P; Zajko AB; Bron KM; et al, *AJR* 1986; 147: 657

Hepatic veins

aneurysmal portahepatic venous fistula: report of two cases, Chagnon SF; Vallee CA; Barge J; Chevalier L; Le Gal J; Blery MV, *Radiology* 1986; 159: 693

imaging of surgically relevant hepatic vascular and segmental anatomy. part 1. normal anatomy, Mukai JK; Stack CM; Turner DA; et al, *AJR* 1987; 149: 287

imaging of surgically relevant hepatic vascular and segmental anatomy. part 2. extent and resectability of hepatic neoplasms, Mukai JK; Stack CM; Turner DA; et al, *AJR* 1987; 149: 293

Hepatic veins, MR studies

MRI of the Budd-Chiari syndrome, Stark DD; Hahn PF; Trey C; et al, *AJR* 1986; 146: 1141

Hepatic veins, stenosis or obstruction

hepatic vein occlusion: morphologic features on computed tomography and ultrasonography, Becker CD; Scheidegger J; Marincek B, *Gastrointest Radiol* 1986; 11: 305

hepatic venocclusive disease after bone-marrow transplantation: diagnosis with duplex sonography, Kriegshauser JS; Charboneau JW; Letendre L, *AJR* 1988; 150: 289

Hepatic veins, thrombosis

Budd-Chiari syndrome complicating hepatocellular carcinoma: demonstration by multiple radionuclide scintigraphy, Lee VW; Peng TT; O'Brien MJ; et al, *Clin Nucl Med* 1986; 11: 102

Budd-Chiari syndrome: CT observations, Vogelzang RL; Anschuetz SL; Gore RM, *Radiology* 1987; 163: 329

Budd-Chiari syndrome: dynamic CT, Mathieu D; Vasile N; Menu Y; Van Beers B; Lorphelin JM; Pringot J, *Radiology* 1987; 165: 409

Budd-Chiari syndrome: review, Murphy FB; Steinberg HV; Shires GT III; et al, *AJR* 1986; 147: 9

Budd-Chiari syndrome: typical and atypical scintigraphic aspects, Picard M; Carrier L; Chartrand R; et al, *J Nucl Med* 1987; 28: 803

calcification in caval membrane causing primary Budd-Chiari syndrome: CT demonstration, Kobayashi A; Matsui O; Takashima T; et al, *JCAT* 1988; 12: 401

calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging, von Schulthess GK; Augustiny N, *Radiology* 1987; 164: 549

hepatic heterogeneity on CT in Budd-Chiari syndrome: correlation with regional disturbances in portal flow, Van Beers B; Pringot J; Trigaux JP; et al, *Gastrointest Radiol* 1988; 13: 61

intraoperative ultrasonographic diagnosis of Budd-Chiari syndrome, Nakao K; Miyata M; Takenaka H; et al, *JCU* 1986; 14: 562

membranous obstruction of the inferior vena cava associated with intrahepatic portosystemic shunt, Mori H; Hayashi K; Amamoto Y, *Cardiovasc Intervent Radiol* 1986; 9: 209

mesoatrial shunt for the treatment of Budd-Chiari syndrome: radiologic evaluation in eight patients, Chezman JL; Bernardino ME, *AJR* 1987; 149: 707

mesoatrial shunts for Budd-Chiari syndrome and inferior vena cava thrombosis: angiographic and hemodynamic evaluations, Redmond PL; Kadir S; Kaufman SL; White RI Jr; Cameron JL, *Radiology* 1987; 163: 131

MRI of the Budd-Chiari syndrome, Stark DD; Hahn PF; Trey C; et al, *AJR* 1986; 146: 1141

pre-operative and post-operative ultrasound evaluation of Budd-Chiari syndrome due to coarctation of the inferior vena cava, Jayanthi V; Victor S; Dhala B; et al, *Clin Radiol* 1988; 39: 154

therapeutic hepatic vein angioplasty for Budd-Chiari syndrome, Ida M; Arai K; Yoshikawa J; et al, *Cardiovasc Intervent Radiol* 1986; 9: 187

ultrasonic appearance of the liver in hepatic venous outflow obstruction (Budd-Chiari syndrome): case of pseudohepatic infarct associated with Behcet's disease, Nakayama S; Sakata J; Kusumoto S; et al, *JCU* 1986; 14: 300

ultrasound scanning and ^{99m}Tc sulphur colloid scintigraphy in diagnosis of Budd-Chiari syndrome, (ab), Powell-Jackson PR; Karani J; Ede RJ; et al, *Radiology* 1987; 164: 881

Hepatic veins, transluminal angioplasty

therapeutic hepatic vein angioplasty for Budd-Chiari syndrome, Ida M; Arai K; Yoshikawa J; et al, *Cardiovasc Intervent Radiol* 1986; 9: 187

Hepatic veins, US studies

intraoperative ultrasonographic diagnosis of Budd-Chiari syndrome, Nakao K; Miyata M; Takenaka H; et al, *JCU* 1986; 14: 562

sonography of the hepatic vascular system, Becker CD; Cooperberg PL, *AJR* 1988; 150: 999

ultrasonic anatomy of hepatic veins, Cosgrove DO; Arger PH; Coleman BG, *JCU* 1987; 15: 231

Hepatitis

acalculous cholecystitis as a complication of hepatitis, Friberg J; Sonstabo R; Joe GT; et al, *Eur J Radiol* 1987; 7: 153

autoimmune chronic active hepatitis in post menopausal women, (ab), Lebovics E; Schaffner F; Klonen FW; et al, *Radiology* 1986; 158: 566

biliary imaging suggesting common duct obstruction in acute viral hepatitis: case report, Donohoe KJ; Woolfenden JM; Stemmer JL, *Clin Nucl Med* 1987; 12: 711

CT and MR imaging of radiation hepatitis, Unger EC; Lee JKT; Weyman PJ, *JCAT* 1987; 11: 264

differentiation of mononucleosis from hepatitis by sonographic measurement of spleen size, Ishibashi H; Okumura Y; Higuchi N; et al, *JCU* 1987; 15: 313

lymphadenopathy in chronic active hepatitis: CT observations, Gore RM; Vogelzang RL; Nemcek AA Jr, *AJR* 1988; 151: 75

oriental cholangiohepatitis: diagnostic imaging and interventional management, vanSonnenberg E; Casola G; Cubberley DA, *AJR* 1986; 146: 327

small hepatocellular carcinoma: percutaneous alcohol injection—results in 23 patients, Livraghi T; Salmi A; Bolondi L; Marin G; Arienti V; Monti F; Vettori C, *Radiology* 1988; 168: 313

ultrasound evaluation of uncomplicated and complicated acute viral hepatitis, Giorgio A; Amoroso P; Fico P; et al, *JCU* 1986; 14: 675

Hepatoblastoma

See Blastoma

Heredity

See Familial conditions

Hernia

See also Herniography; under names of organs and regions, such as Brain, hernia

computed tomographic evaluation of spigelian hernia, Luedke M; Scholz FJ; Larsen CR, *Comput Med Imag Graph* 1988; 12: 123

CT demonstration of hernia through an iliac crest defect, Kane VG; Silverstein GS, *JCAT* 1986; 10: 432

CT diagnosis of occult incisional hernias, Ghahremani GG; Jimenez MA; Rosenfeld M; et al, *AJR* 1987; 148: 139

CT findings in left paraduodenal herniae, Day DL; Drake DG; Leonard AS; et al, *Gastrointest Radiol* 1988; 13: 27

hernia mimicking testicular torsion, Wood MJ, *Clin Nucl Med* 1987; 12: 142

inferior lumbar (Petit's) hernia, Lawdahl RB; Moss CN; Van Dyke JA, *AJR* 1986; 147: 744

pericardiophrenic hernia secondary to a surgically created peritoneal and pericardial window, (ab), Ames MD; Kaczmarek CJ; Sahar DI; et al, *Radiology* 1986; 160: 857

retroanastomotic herniation mimicking biliary leakage in a cholecystographic pattern, Liu R-S; Yen T-C; Kuo S-J; et al, *Clin Nucl Med* 1987; 12: 673

Hernia, diaphragmatic

anterior diaphragm: variations in the CT appearance, Gale ME, *Radiology* 1986; 161: 635

case of the month: the dry tap, Boxer DI, Br J Radiol 1988; 61: 267

childhood diaphragmatic hernias presenting after the neonatal period, Berman L; Stringer DA; Ein S; et al, *Clin Radiol* 1988; 39: 237

chronic traumatic diaphragmatic hernia: the significance of pleural effusion, Aronchick JM; Epstein DM; Gefter WB; Miller WT, *Radiology* 1988; 168: 675

computed tomography of a traumatic, diaphragmatic, Richter's hernia: findings mimicking an abscess, Baker ME; Ungerlaider R; Cooper C; et al, *CT* 1988; 12: 42

congenital diaphragmatic hernia: the prognostic significance of the site of the stomach, Goodfellow T; Hyde I; Burge DM; et al, *Br J Radiol* 1987; 60: 993

congenital diaphragmatic hernia: US diagnosis prior to 22 weeks gestation, Benacerraf BR; Greene MF, *Radiology* 1986; 158: 809

current concepts in the management of neonatal ICU patients with pulmonary hypertension and localized barotrauma, Berdon WE, *Radiology* 1986; 158: 493

diaphragm: anatomic, pathologic, and radiologic considerations, Panicek DM; Benson CB; Gottlieb RH; Heitzman ER, *Radiographics* 1988; 8: 385

diaphragmatic eventration into the pericardial sac: sonographic diagnosis, Vijayaraghavan SB, *JCU* 1988; 16: 510

esophageal dilatation and reflux in neonates supported by ECMO after diaphragmatic hernia repair, Stolar CJH; Berdon WE; Dillon PW; et al, *AJR* 1988; 151: 135

hydrothorax, ascites, and right diaphragmatic hernia, Gilsanz V; Emmons D; Hansmann M; Meradji M; Donaldson JS; Omenaca F; Quero J; Tucker BL, *Radiology* 1986; 158: 243

in utero diagnosis of congenital diaphragmatic hernia by CT amniography, Kelly DR; Grant EG; Zeman RK; et al, *JCAT* 1986; 10: 500

magnetic resonance imaging of Morgagni hernia, Yeager BA; Guglielmi GE; Schiebler ML; et al, *Gastrointest Radiol* 1987; 12: 296

prenatal diagnosis of reversible cardiac hypoplasia associated with congenital diaphragmatic hernia: implications for postnatal management, Crawford DC; Drake DP; Kwiatkowski D; et al, *JCU* 1986; 14: 718

strangulated diaphragmatic hernia with pneumothorax due to colopleural fistula, Radin DR; Ray MJ; Halls JM, *AJR* 1986; 146: 321

transdiaphragmatic intercostal hernia, (ab), Cole FH Jr; Miller MP; Jones CV, *Radiology* 1986; 161: 283

Hernia, duodenal

computed tomography of left paraduodenal hernia, Passas V; Karavias D; Grilias D; et al, *JCAT* 1986; 10: 542

false-positive gallium uptake in the lungs secondary to small bowel hernia, Tiu S, Clin Nucl Med 1987; 12: 764

Hernia, hiatal

extension of ascites into the chest with hiatal hernia: visualization on CT, Godwin JD; MacGregor JM, AJR 1987; 148: 31
familial right thoracic stomach, (ab), Hubert BC; Toyama WM, Radiology 1987; 164: 888

Hernia, inguinal

bladder herniation in inguinal hernia detected during bone imaging, Lee HK; Skarzynski JJ, Clin Nucl Med 1986; 11: 740
direct diverticular inguinal hernia, Ekberg O; Kullenberg K, Acta Radiol 1988; 29: 57
groin hernia with inguinoscrotal herniation of the urinary bladder, Bernstein JE; Meyer K, Clin Nucl Med 1987; 12: 155
herniographic appearance of the lateral inguinal fossa, Ekberg O; Kesek P, Acta Radiol 1987; 28: 563
inguinal hernia demonstrated incidentally during bone imaging, Karvelis KC; Silverman ED, Clin Nucl Med 1988; 13: 129
inguinal hernia detected by bone scan, Ongseng F; Goldfarb CR, Clin Nucl Med 1987; 12: 323
lateral inguinal hernia detected in the early images of three-phase bone imaging, Valdes Olmos RA; Van Groningen CJ, Clin Nucl Med 1988; 13: 677
urinary bladder herniation into the scrotum seen on bone imaging, Lee TA III; Siddiqui AR, Clin Nucl Med 1986; 11: 435

Hernia, scrotal

gastrointestinal bleeding detected in scrotal hernia, Skarzynski JJ; Lee HK, Clin Nucl Med 1987; 12: 322
scrotal cystocele with bladder calculi (case report), Postma MP; Smith R, AJR 1986; 147: 287

Hernia, ureterosciatic

CT demonstration of a ureterosciatic hernia, Oyen RH; Gielen JL; Baert LV; et al, Urol Radiol 1987; 9: 174

Herniography

herniographic appearance of the lateral inguinal fossa, Ekberg O; Kesek P, Acta Radiol 1987; 28: 563
herniography: comparison of morbidity and image quality after use of high and low osmolality contrast media, Ekberg O; Nilsson PE, Invest Radiol 1986; 21: 404

Herpes simplex

calcification in the adrenal glands associated with disseminated herpes simplex infection, Morrison SC; Comisky E; Fletcher BD, Pediatr Radiol 1988; 18: 240
computed tomography of adult herpes simplex encephalitis, O'Neil RA; Albertson LE; Perrett LV; et al, Australas Radiol 1987; 31: 357

herpes esophagitis: sensitivity of double-contrast esophagography, Levine MS; Loevner LA; Saul SH; et al, AJR 1988; 151: 57

neonatal herpes simplex encephalitis: correlation of clinical and CT findings, Noorbeheht B; Enzmann DR; Sullender W; Bradley JS; Arvin AM, Radiology 1987; 162: 813

Herpes zoster

gallium-67 localization in herpetic skin lesion, Acio ER; Balasubramanian N; Vieras F; et al, Clin Nucl Med 1988; 13: 667
mycotic aneurysm in angitis associated with herpes zoster ophthalmicus, O'Donohue JM; Enzmann DR, AJNR 1987; 8: 615

Hexabrix

See Ioxaglate

Hexamethylpropyleneamine oxime

inflammation: imaging with Tc-99m HMPAO-labeled leukocytes, Roddie ME; Peters AM; Danpure HJ; Osman S; Henderson BL; Lavender JP; Carroll MJ; Neirincx RD; Kelly JD, Radiology 1988; 166: 767

Hibernoma

hibernoma: case report and discussion of a rare tumor, (ab), Rigor VU; Goldstone SE; Jones J; et al, Radiology 1986; 161: 573
hibernoma: patient examined by CT, Coblenz C; Roberts JT; Fitzgerald E, J Canad Assoc Radiol 1986; 37: 110
multiple imaging modalities in a case of hibernoma, Rossi P; Francone A; Martini S; et al, Eur J Radiol 1988; 8: 125

Hip

bilaterality in slipped upper femoral epiphysis, (ab), Hägglund G; Hansson LJ; Ordeberg G; et al, Radiology 1988; 169: 293
case of the month: an unusual inguinal swelling, Constant O; Mitchell RA, Br J Radiol 1987; 60: 1139
characterization of "transient synovitis of the hip" in children, (ab), Hauelsen DC; Weiner DS; Weiner SD, Radiology 1986; 159: 824
concentric joint space narrowing of the hip associated with hemodiderotic synovitis (HS) including pigmented villonodular synovitis (PVNS), Abrahams TG; Pavlov H; Bansal M; et al, Skeletal Radiol 1988; 17: 37
conventional radiography in transient synovitis of the hip in children, Egund N; Hasegawa Y; Pettersson H; et al, Acta Radiol 1987; 28: 193
double cortical line in the acetabular roof: a sign of disuse osteoporosis, Yagan R; Radivoyevitch M; Khan MA, Radiology 1987; 165: 171
double cortical line in the acetabular roof: a sign of disuse osteoporosis, Watt JH, Radiology 1988; 167: 873
double cortical line in the acetabular roof: a sign of disuse osteoporosis: reply, Yagan R; Radivoyevitch MA; Khan MA, Radiology 1988; 167: 873
hip dysplasia associated with Charcot-Marie-Tooth disease in the older child and adolescent, (ab), Kumar SJ; Marks HG; Bowen JR; et al, Radiology 1986; 158: 575
synovial chondromatosis of the hip joint presenting as a pathological fracture, Szypryt P; Twining P; Preston BJ; et al, Br J Radiol 1986; 59: 399

Hip, abnormalities

acetabular protrusion in the Marfan syndrome, Kuhlman JE; Scott WW Jr; Fishman EK; Pyeritz RE; Siegelman SS, Radiology 1987; 164: 415
cartilage disorders: comparison of spin-echo, CHES, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, Radiology 1987; 164: 753
case report 439, Friedman B; Nerubay J; Blankstein A; et al, Skeletal Radiol 1987; 16: 504
heterotopic bone formation after hip surgery: prevention with single-dose postoperative hip irradiation, Lo TCM; Healy WL; Covall DJ; Dotter WE; Pfeifer BA; Torgerson WR; Wasilewski SA, Radiology 1988; 168: 851
prevention of heterotopic bone formation with early postoperative irradiation in high risk patients undergoing total hip arthroplasty: comparison of 10.00 Gy vs 20.00 Gy schedules, Anthony P; Keys H; Everts CM; et al, Int J Radiat Oncol Biol Phys 1987; 13: 365
proximal femoral focal deficiency: radiologic analysis of 49 cases, Hillmann JS; Mesgarzadeh M; Revesz G; Bonakdarpour A; Clancy M; Betz RR, Radiology 1987; 165: 769
pseudobursae: useful finding in patients with painful hip arthroplasty, Berquist TH; Bender CE; Maus TP; et al, AJR 1987; 148: 103
specific landmarks on radiographs as diagnostic tools in determining hip diseases in the Cross River State of Nigeria, Ani OEO; Ekandem GJ; Singh SP, Australas Radiol 1987; 31: 208

Hip, anatomy

normal hip in children: correlation of US with anatomic and cryomicrotome sections, Yousefzadeh DK; Ramilo JL, Radiology 1987; 165: 647

Hip, arthritis

patterns of femoral head migration in osteoarthritis of the hip: a reappraisal with CT and pathologic correlation, Hayward I; Björkengren AG; Pathria MN; Zlatkin MB; Sartoris DJ; Resnick D, Radiology 1988; 166: 857
radiographic assessment and psychologic variables as predictors of pain and functional impairment in osteoarthritis of the knee or hip, (ab), Summers MN; Haley WE; Reveille JD; et al, Radiology 1988; 169: 886

Hip, arthrography

arthrographic study of painful total hip arthroplasty: refined criteria, Maus TP; Berquist TH; Bender CE; Rand JA, Radiology 1987; 162: 721
arthrography after total hip arthroplasty: utility of postambulation radiographs, Hardy DC; Reinus WR; Totty WC; et al, Skeletal Radiol 1988; 17: 20
loose hip prosthesis: appearance in radionuclide arthrography, Abdel-Dayem HM; Bardowala YM; Papademitrio T; et al, Clin Nucl Med 1986; 11: 713
outpatient performance of invasive radiologic procedures in pediatric patients, Diamant MJ; Bird CR; Stanley P, Radiology 1988; 166: 401
pseudobursae: useful finding in patients with painful hip arthroplasty, Berquist TH; Bender CE; Maus TP; et al, AJR 1987; 148: 103
snapping tendon syndrome: hip tenography with fluoroscopic monitoring, Staple TW; Jung D; Mork A, Radiology 1988; 166: 873

Hip, CT

2D and 3D computed tomography of the pediatric hip, Magid D; Fishman EK; Sponseller PD; Griffin PP, Radiographics 1988; 8: 901
acetabular alterations in untreated congenital dysplasia of the hip: computed tomography with multiplanar reformation and three-dimensional analysis, Lafferty CM; Sartoris DJ; Tyson R; et al, JCAT 1986; 10: 84
acetabular fractures: optimal imaging, Scott WW Jr; Fishman EK; Magid D, Radiology 1987; 165: 537
acetabular fractures: three-dimensional computed tomographic imaging and interactive surgical planning, Burk DL Jr; Mears DC; Cooperstein LA; et al, CT 1986; 10: 1
anatomy of the abductor muscles of the hip as studied by computed tomography, (ab), Clark JM; Haynor DR, Radiology 1988; 167: 589
avascular necrosis of the femoral head: morphologic assessment by MR imaging, with CT correlation, Mitchell DG; Kressel HY; Arger PH; Dalinka MK; Spritzer CE; Steinberg ME, Radiology 1986; 161: 739
avascular necrosis of the hip: comparison of MR, CT, and scintigraphy, Mitchell MD; Kundel HL; Steinberg ME; et al, AJR 1986; 147: 67
chronic septic arthritis of the adult hip: computed tomographic features, Resnik CS; Ammann AM; Walsh JW, Skeletal Radiol 1987; 16: 513
computerized tomography after posterior dislocation of the hip, (ab), Hougaard K; Lindequist S; Nielsen B, Radiology 1988; 166: 589
metallic hip implants: CT with multiplanar reconstruction, Fishman EK; Magid D; Robertson DD; Brooker AF; Weiss P; Siegelman SS, Radiology 1986; 160: 675
multiplanar computed tomography: multidimensional tool for evaluation and treatment of acetabular fractures, Mandelbaum BR; Magid D; Fishman EK; et al, CT 1987; 11: 167
multiplanar (MPG) imaging of the hip, Fishman EK; Magid D; Mandelbaum BR; Scott WW Jr; Weiss P; Hadfield R; Mudge B; Kopits SE; Brooker AF Jr; Siegelman SS, Radiographics 1986; 6: 7
normal acetabular anatomy for acetabular fracture assessment: CT and plain film correlation, Saks BJ, Radiology 1986; 159: 139
patterns of femoral head migration in osteoarthritis of the hip: a reappraisal with CT and pathologic correlation, Hayward I; Björkengren AG; Pathria MN; Zlatkin MB; Sartoris DJ; Resnick D, Radiology 1988; 166: 857
potential of computed tomography in visualizing structures inside the metal cup in surface-replacement total hip arthroplasty, Egund N; Pettersson H; Frost S; et al, Skeletal Radiol 1987; 16: 201
technique for multiplanar reformation and three-dimensional analysis of computed tomographic data: application to adult hip disease, Sartoris DJ; Resnick D; Bielecki D; et al, J Canad Assoc Radiol 1986; 37: 69

- three-dimensional CT and MR imaging in congenital dislocation of the hip: clinical and technical considerations, Lang P; Steiger P; Genant HK; et al, JCAT 1988; 12: 459
- use of computed tomography scan in unstable hip reconstruction, Horstmann H; Mahboubi S, CT 1987; 11: 364
- volumetric rendering techniques: applications for three-dimensional imaging of the hip, Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS, Radiology 1987; 163: 737
- Hip, diseases**
- acetabular alterations in untreated congenital dysplasia of the hip: computed tomography with multiplanar re-formation and three-dimensional analysis, Lafferty CM; Sartoris DJ; Tyson R; et al, JCAT 1986; 10: 84
- case report 426, Pope TL Jr; Keats TE; de Lange EE; et al, Skeletal Radiol 1987; 16: 342
- case report 475, Nielsen FF; Christensen SE; de Carvalho A, Skeletal Radiol 1988; 17: 205
- hip changes in spastic cerebral palsy, Sauer DD; Hewes RC; Root L, AJR 1986; 146: 1219
- snapping tendon syndrome: hip tenography with fluoroscopic monitoring, Staple TW; Jung D; Mork A, Radiology 1988; 166: 873
- transient osteoporosis of the hip: MR imaging, Bloem JL, Radiology 1988; 167: 753
- transient synovitis of the hip in children: role of US, Marchal GJF; Van Holsbeeck MT; Raes M; Favril AA; Verbeke EE; Casteels-Vandaele M; Baert AL; Lauweryns JM, Radiology 1987; 162: 825
- Hip, dislocation**
- complex infantile and congenital hip dislocation: assessment with MR imaging, Johnson ND; Wood BP; Jackman KV, Radiology 1988; 168: 151
- computerized tomography after posterior dislocation of the hip, (ab), Hougaard K; Lindequist S; Nielsen B, Radiology 1988; 166: 589
- normal instability of the hip in the neonate: US standards, Keller MS; Weltin GG; Rattner Z; Taylor KJW; Rosenfield NS, Radiology 1988; 169: 733
- percentage of migration as indicator of femoral head position, Eklöf O; Ringertz H; Samuelsson L, Acta Radiol 1988; 29: 363
- postoperative dislocation of a total hip prosthesis due to a surgical drain, Larson BJ; Zindrick M; Schwartz C; et al, AJR 1987; 149: 971
- real-time sonography of infant hip dislocation, Keller MS; Chawla HS; Weiss AA, Radiographics 1986; 6: 447
- sonographic guidance for infant hip reduction under anesthesia, Keller MS; Weiss AA, Pediatr Radiol 1988; 18: 174
- sonography in pediatric hip disorders, Novick GS, Radiol Clin North Am 1988; 26: 29
- subluxation of the hip joint during femoral lengthening, (ab), Salai M; Chechick A; Ganel A; et al, Radiology 1986; 159: 572
- superior dislocation of the hip: report of 2 cases, (ab), de Muelenaere PFRG, Radiology 1986; 159: 286
- three-dimensional CT and MR imaging in congenital dislocation of the hip: clinical and technical considerations, Lang P; Steiger P; Genant HK; et al, JCAT 1988; 12: 459
- ultrasonic investigation of the hip in newborns in the diagnosis of congenital hip dislocation: classification and results of a screening program, Langer R, Skeletal Radiol 1987; 16: 275
- ultrasound evaluation of hip position in the Pavlik harness, Grissom LE; Harcke HT; Kumar SJ; et al, J Ultrasound Med 1988; 7: 1
- Hip, fractures**
- acetabular fractures: three-dimensional computed tomographic imaging and interactive surgical planning, Burk DL Jr; Mears DC; Cooperstein LA; et al, CT 1986; 10: 1
- bone scanning for suspected hip fractures, (ab), Fairclough J; Colhoun E; Johnston D; et al, Radiology 1987; 164: 886
- break dance hip: chronic avulsion of the anterior superior iliac spine, Winkler AR; Barnes JC; Ogden JA, Pediatr Radiol 1987; 17: 501
- postmenopausal osteoporosis: simple screening method for diagnosis before structural failure, Meema HE; Meema S, Radiology 1987; 164: 405
- radiographic evaluation of modern orthopedic fixation devices, Richardson ML; Kilcoyne RF; Mayo KA; Lamont JG; Hastrup W, Radiographics 1987; 7: 685
- screening for postmenopausal osteoporosis, Korpi CT, Radiology 1988; 167: 873
- screening for postmenopausal osteoporosis: reply, Meema HE; Meema S, Radiology 1988; 167: 873
- trabecular mineral content of the spine in women with hip fracture: CT measurement, Firooznia H; Rafii M; Golimbu C; Schwartz MS; Ort P, Radiology 1986; 159: 737
- trochanteric fractures: classification and mechanical stability in McLaughlin, Ender and Richard osteosynthesis, Herrlin K; Strömberg T; Lidgren L; et al, Acta Radiol 1988; 29: 189
- Hip, infection**
- hip joint fluid in the presence of the vacuum phenomenon, Middleton WD; McAlister WH, Pediatr Radiol 1986; 16: 171
- In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities, Magnuson JE; Brown ML; Hauser MF; Berquist TH; Fitzgerald RH; Klee GG, Radiology 1988; 168: 235
- recovery of femoral head perfusion after drainage of septic joint, Mack JM; Sziklas JJ; Rosenberg RJ; et al, Clin Nucl Med 1987; 12: 850
- validity of radiographic assessment of childhood transient synovitis of the hip, Rosenberg M; Mortenson W, Acta Radiol 1986; 27: 85
- Hip, metallic fixation**
- metallic hip implants: CT with multiplanar reconstruction, Fishman EK; Magid D; Robertson DD; Brooker AF; Weiss P; Siegelman SS, Radiology 1986; 160: 675
- radiographic evaluation of modern orthopedic fixation devices, Richardson ML; Kilcoyne RF; Mayo KA; Lamont JG; Hastrup W, Radiographics 1987; 7: 685
- Hip, MR studies**
- avascular necrosis of the femoral head: high-field-strength MR imaging with histologic correlation, Lang P; Jørgensen HE; Moseley ME; Block JE; Chafetz NI; Genant HK, Radiology 1988; 169: 517
- avascular necrosis of the femoral head: morphologic assessment by MR imaging, with CT correlation, Mitchell DG; Kressel HY; Arger PH; Dalinka MK; Spritzer CE; Steinberg ME, Radiology 1986; 161: 739
- avascular necrosis of the hip: comparison of MR, CT, and scintigraphy, Mitchell MD; Kundel HL; Steinberg ME; et al, AJR 1986; 147: 67
- avascular necrosis versus other diseases of the hip: sensitivity of MR imaging, Glickstein MF; Burk DL Jr; Schiebler ML; Cohen EK; Dalinka MK; Steinberg ME; Kressel HY, Radiology 1988; 169: 213
- cartilage disorders: comparison of spin-echo, CHESS, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, Radiology 1987; 164: 753
- complex infantile and congenital hip dislocation: assessment with MR imaging, Johnson ND; Wood BP; Jackman KV, Radiology 1988; 168: 151
- femoral head avascular necrosis: correlation of MR imaging, radiographic staging, radionuclide imaging, and clinical findings, Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Alavi A; Steinberg ME; Fallon M; Kressel HY, Radiology 1987; 162: 709
- femoral head avascular necrosis: MR imaging with clinical-pathologic and radionuclide correlation, Beltran J; Herman LJ; Burk JM; Zuelzer WA; Clark RN; Lucas JC; Weiss LD; Yang A, Radiology 1988; 166: 215
- hematopoietic and fatty bone marrow distribution in the normal and ischemic hip: new observations with 1.5-T MR imaging, Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Axel L; Gefter WB; Kricun ME; Steinberg ME; Kressel HY, Radiology 1986; 161: 199
- joint effusions: MR imaging, Beltran J; Noto AM; Herman LJ; Mosure JC; Burk JM; Christoforidis AJ, Radiology 1986; 158: 133
- MRI in osteoarthritis of the hip: gradations of severity, Li KC; Higgs J; Aisen AM; et al, Magn Res Imag 1988; 6: 229
- MRI of joint fluid in the normal and ischemic hip, Mitchell DG; Rao VM; Dalinka MK; et al, AJR 1986; 146: 1215
- multiple chemical shift selective (CHESS) MR imaging using stimulated echoes, Matthaei D; Haase A; Frahm J; Bomsdorf H; Vollmann W, Radiology 1986; 160: 791
- proximal femoral focal deficiency: radiologic analysis of 49 cases, Hillmann JS; Mesgarzadeh M; Revesz J; Bonakdarpour A; Clancy M; Betz RR, Radiology 1987; 165: 769
- radiographically negative avascular necrosis: detection with MR imaging, Coleman BG; Kressel HY; Dalinka MK; Scheibler ML; Burk DL; Cohen EK, Radiology 1988; 168: 525
- segmental patterns of avascular necrosis of the femoral heads: early detection with MR imaging, Markisz JA; Knowles RJR; Altchek DW; Schneider R; Whalen JP; Cahill PT, Radiology 1987; 162: 717
- three-dimensional CT and MR imaging in congenital dislocation of the hip: clinical and technical considerations, Lang P; Steiger P; Genant HK; et al, JCAT 1988; 12: 459
- transient osteoporosis of the hip: MR imaging, Bloem JL, Radiology 1988; 167: 753
- treatment of avascular necrosis of the femoral head, Hall FM, Radiology 1987; 165: 876
- treatment of avascular necrosis of the femoral head: reply, Markisz JA; Altchek DW, Radiology 1987; 165: 877
- Hip, necrosis**
- avascular necrosis of the femoral head: high-field-strength MR imaging with histologic correlation, Lang P; Jørgensen HE; Moseley ME; Block JE; Chafetz NI; Genant HK, Radiology 1988; 169: 517
- avascular necrosis of the hip: comparison of MR, CT, and scintigraphy, Mitchell MD; Kundel HL; Steinberg ME; et al, AJR 1986; 147: 67
- avascular necrosis versus other diseases of the hip: sensitivity of MR imaging, Glickstein MF; Burk DL Jr; Schiebler ML; Cohen EK; Dalinka MK; Steinberg ME; Kressel HY, Radiology 1988; 169: 213
- early osteonecrosis of the femoral head: detection in high-risk patients with MR imaging, Genez BM; Wilson MR; Houk RW; Weiland FL; Unger HR Jr; Shields NN; Rugh KS, Radiology 1988; 168: 521
- femoral head avascular necrosis: MR imaging with clinical-pathologic and radionuclide correlation, Beltran J; Herman LJ; Burk JM; Zuelzer WA; Clark RN; Lucas JC; Weiss LD; Yang A, Radiology 1988; 166: 215
- MRI of joint fluid in the normal and ischemic hip, Mitchell DG; Rao VM; Dalinka MK; et al, AJR 1986; 146: 1215
- osteonecrosis of the hip in the sickle-cell diseases: treatment and complications, (ab), Hanks GJ; Amstutz HC, Radiology 1988; 169: 294
- radiographically negative avascular necrosis: detection with MR imaging, Coleman BG; Kressel HY; Dalinka MK; Scheibler ML; Burk DL; Cohen EK, Radiology 1988; 168: 525
- segmental patterns of avascular necrosis of the femoral heads: early detection with MR imaging, Markisz JA; Knowles RJR; Altchek DW; Schneider R; Whalen JP; Cahill PT, Radiology 1987; 162: 717
- treatment of avascular necrosis of the femoral head, Hall FM, Radiology 1987; 165: 876

treatment of avascular necrosis of the femoral head: reply, Markisz JA, Altchek DW, Radiology 1987; 163: 877

Hip, prostheses

acetabular cup dislocation: a new complication of total joint arthroplasty, Wilson AJ, Monsees B, Blair VP III, AJR 1988; 151: 133

arthrographic study of painful total hip arthroplasty: refined criteria, Maus TP, Berquist TH, Bender CE, Rand JA, Radiology 1987; 162: 721

arthroscintigraphic evaluation of the painful total hip prosthesis, Resnik CS, Frutkin MJ, Cardea JA, Clin Nucl Med 1986; 11: 242

asymptomatic total hip prosthesis: natural history determined using Tc-99m MDP bone scans, Utz JA, Lull RJ, Galvin EG, Radiology 1986; 161: 509

bone-ingrowth hip prostheses in asymptomatic patients: radiographic features, Kaplan PA, Montesi SA, Jardon OM, Gregory PR, Radiology 1988; 169: 221

bone marrow island vs focal infection: indium-111 leukocyte imaging dilemma, Gates GF, Noall DL, Clin Nucl Med 1986; 11: 287

comparison of two- and three-dimensional methods for assessment of orientation of the total hip prosthesis, Herrlin K, Petterson H, Selvik G, Acta Radiol 1988; 29: 357

correlation between radiologic and clinical findings in Charnley total hip replacement: a 10-year follow-up study, Weikner B, Wiege M, Acta Radiol 1987; 28: 607

design of custom hip stem prostheses using three-dimensional CT modeling, Robertson DD, Walker PS, Granholm JW, et al, JCAT 1987; 11: 804

effect of a femoral head prosthesis on megavoltage beam radiotherapy, Biggs PJ, Russell MD, Int J Radiat Oncol Biol Phys 1988; 14: 581

evaluation of hip prostheses by imaging methods, Freiburger RH, Semin Roentgenol 1986; 21: 20

false-positive indium-111 labeled leukocyte scintigram in a patient with a painful hip prosthesis, Feldman N, Makler PT Jr, Alavi A, Clin Nucl Med 1986; 11: 38

fracture of the polyethylene acetabular cup in total hip arthroplasties, Stuck KJ, Falahee MH, Brandon CJ, J Canad Assoc Radiol 1988; 39: 65

granulomatous pseudotumors in total joint replacement, Griffiths HJ, Burke J, Bonfiglio TA, Skeletal Radiol 1987; 16: 146

heterotopic bone formation after hip surgery: prevention with single-dose postoperative hip irradiation, Lo TCM, Healy WL, Covall DJ, Dotter WE, Pfeifer BA, Torgerson WR, Wasilewski SA, Radiology 1988; 168: 851

hip prostheses during pelvic irradiation: effects and corrections, Hazuka MB, Ibbott GS, Kinzie JJ, Int J Radiat Oncol Biol Phys 1988; 14: 1311

In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities, Magnuson JE, Brown ML, Hauser MF, Berquist TH, Fitzgerald RH, Klee GG, Radiology 1988; 168: 235

local complications of total hip replacements, Gaskill MF, Semin Roentgenol 1986; 21: 3

loose hip prosthesis: appearance in radionuclide arthrography, Abdel-Dayem HM, Bardowall YM, Papademitrio T, et al, Clin Nucl Med 1986; 11: 713

malignant fibrous histiocytoma occurring at the site of a previous total hip replacement, Tait NP, Hacking PM, Malcolm AJ, Br J Radiol 1988; 61: 73

measurement and restoration of equality in length of the lower limbs in total hip replacement, Hoikka V, Paavilainen T, Lindholm TS, et al, Skeletal Radiol 1987; 16: 442

metallic hip implants: CT with multiplanar reconstruction, Fishman EK, Magid D, Robertson DD, Brooker AF, Weiss P, Siegelman SS, Radiology 1986; 160: 675

postoperative dislocation of a total hip prosthesis due to a surgical drain, Larson BJ, Zindrick M, Schwartz C, et al, AJR 1987; 149: 971

potential of computed tomography in visualising structures inside the metal cup in surface-replacement total hip arthroplasty, Egund N, Petterson H, Frost S, et al, Skeletal Radiol 1987; 16: 201

prevention of heterotopic bone formation with early postoperative irradiation in high risk patients undergoing total hip arthroplasty: comparison of 10.00 Gy vs 20.00 Gy schedules, Anthony P, Keys H, Everts CM, et al, Int J Radiat Oncol Biol Phys 1987; 13: 365

prospective study of sequential technetium-99m phosphate and gallium imaging in painful hip prostheses (comparison of diagnostic modalities), Tehranzadeh J, Gubernick I, Blaha D, Clin Nucl Med 1988; 13: 229

pseudobursae: useful finding in patients with painful hip arthroplasty, Berquist TH, Bender CE, Maus TP, et al, AJR 1987; 148: 103

simplified roentgen stereophotogrammetric method: analysis of small movements between the prosthetic stem and the femur after total hip replacement, Djerf K, Edholm P, Hedbrant J, Acta Radiol 1987; 28: 603

use of postoperative irradiation for the prevention of heterotopic bone formation after total hip replacement, Sylvester JE, Greenberg P, Selch MT, et al, Int J Radiat Oncol Biol Phys 1988; 14: 471

Hip, radiography

normal acetabular anatomy for acetabular fracture assessment: CT and plain film correlation, Saks BJ, Radiology 1986; 159: 139

widened teardrop distance: a plain film indicator of hip joint effusion in adults, Sweeney JP, Helms CA, Minagi H, et al, AJR 1987; 149: 117

Hip, radionuclide studies

arthroscintigraphic evaluation of the painful total hip prosthesis, Resnik CS, Frutkin MJ, Cardea JA, Clin Nucl Med 1986; 11: 242

asymptomatic total hip prosthesis: natural history determined using Tc-99m MDP bone scans, Utz JA, Lull RJ, Galvin EG, Radiology 1986; 161: 509

avascular necrosis of the hip: comparison of MR, CT, and scintigraphy, Mitchell MD, Kundel HL, Steinberg ME, et al, AJR 1986; 147: 67

bone marrow island vs focal infection: indium-111 leukocyte imaging dilemma, Gates GF, Noall DL, Clin Nucl Med 1986; 11: 287

bone scanning for suspected hip fractures, (ab), Fairclough J, Colhoun E, Johnston D, et al, Radiology 1987; 164: 886

false-positive indium-111 labeled leukocyte scintigram in a patient with a painful hip prosthesis, Feldman N, Makler PT Jr, Alavi A, Clin Nucl Med 1986; 11: 38

In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities, Magnuson JE, Brown ML, Hauser MF, Berquist TH, Fitzgerald RH, Klee GG, Radiology 1988; 168: 235

prospective study of sequential technetium-99m phosphate and gallium imaging in painful hip prostheses (comparison of diagnostic modalities), Tehranzadeh J, Gubernick I, Blaha D, Clin Nucl Med 1988; 13: 229

recovery of femoral head perfusion after drainage of septic joint, Mack JM, Sziklas JJ, Rosenberg RJ, et al, Clin Nucl Med 1987; 12: 850

symptomatic hip in childhood: scintigraphic findings in the presence of a normal radiograph, Gordon I, Peters AM, Nunn R, Skeletal Radiol 1987; 16: 383

trochanteric bursitis: bone scan appearance, Allwright SJ, Cooper RA, Nash P, Clin Nucl Med 1988; 13: 561

Hip, surgery

arthrography after total hip arthroplasty: utility of postambulation radiographs, Hardy DC, Reinius WR, Totty WG, et al, Skeletal Radiol 1988; 17: 20

prevention of heterotopic ossification in high-risk patients by low-dose radiation therapy after total hip arthroplasty, (ab), Ayers DC, Everts CM, Parkinson JR, Radiology 1987; 163: 839

radiographically negative avascular necrosis: detection with MR imaging, Coleman BG, Kressel HY, Dalinka MK, Scheiber ML, Burk DL, Cohen EK, Radiology 1988; 168: 525

Hip, therapeutic radiology

heterotopic bone formation after hip surgery: prevention with single-dose postoperative hip irradiation, Lo TCM, Healy WL, Covall DJ, Dotter WE, Pfeifer BA, Torgerson WR, Wasilewski SA, Radiology 1988; 168: 851

prevention of heterotopic ossification in high-risk patients by low-dose radiation therapy after total hip arthroplasty, (ab), Ayers DC, Everts CM, Parkinson JR, Radiology 1987; 163: 839

use of postoperative irradiation for the prevention of heterotopic bone formation after total hip replacement, Sylvester JE, Greenberg P, Selch MT, et al, Int J Radiat Oncol Biol Phys 1988; 14: 471

Hip, US studies

arthrosonography of the irritable hip in childhood: review of 1 year's experience, Adam R, Hendry GMA, Moss J, et al, Br J Radiol 1986; 59: 205

normal hip in children: correlation of US with anatomic and cryomicrotome sections, Yousefzadeh DK, Ramilo JL, Radiology 1987; 163: 647

normal instability of the hip in the neonate: US standards, Keller MS, Weltin GG, Rattner Z, Taylor KJW, Rosenfield NS, Radiology 1988; 169: 733

ossification center of the infant hip: sonographic and radiographic correlation, Harcke HT, Lee MS, Sinning L, et al, AJR 1986; 147: 317

real-time sonography of infant hip dislocation, Keller MS, Chawla HS, Weiss AA, Radiographics 1986; 6: 447

sonographic evaluation of the infant hip, Harcke HT, Grissom LE, Semin US CT MR 1986; 7: 331

sonography in pediatric hip disorders, Novick GS, Radiol Clin North Am 1988; 26: 29

sonography of the hip joint as part of the evaluation of acute lower abdominal pain, Graif M, Strauss S, Heim M, et al, JCU 1988; 16: 99

transient synovitis of the hip in children: role of US, Marchal GJF, Van Holsbeek MT, Raes M, Favril AA, Verbeken EE, Casteels-Vandaele M, Baert AL, Lauweryns JM, Radiology 1987; 162: 825

ultrasonic investigation of the hip in newborns in the diagnosis of congenital hip dislocation: classification and results of a screening program, Langer R, Skeletal Radiol 1987; 16: 275

ultrasonography of hip joint effusions, Ziegler MM, Dörr U, Schulz RD, Skeletal Radiol 1987; 16: 607

ultrasonography of the infant hip, part III: clinical application, Ziegler M, Schulz RD, Pediatr Radiol 1987; 17: 226

ultrasonography of the infant hip, part IV: normal development in the newborn and preterm neonate, Ziegler MM, Hilpert S, Pediatr Radiol 1987; 17: 470

ultrasound appearance of positive hip instability tests, Berman L, Hollingdale J, Clin Radiol 1987; 38: 117

ultrasound evaluation of hip position in the Pavlik harness, Grissom LE, Harcke HT, Kumar SJ, et al, J Ultrasound Med 1988; 7: 1

ultrasound of the hip: review of the applications of a new technique, Berman L, Catterall A, Meire HB, Br J Radiol 1986; 59: 13

ultrasound of the infant hip, part 1. basic principles, Ziegler M, Hilpert S, Schulz RD, Pediatr Radiol 1986; 16: 483

ultrasound of the infant hip, part 2. validity of the method, Ziegler M, Pediatr Radiol 1986; 16: 488

ultrasound of the painful hip in children, Peck RJ, Br J Radiol 1986; 59: 293

Hirschsprung disease

See Colon, aganglionosis

Histiocytoma

Histiocytoma

- benign histiocytoma (xanthoma) of the rib.
Lee JY; Pozdzerac RV; Domanski A; et al.
Clin Nucl Med 1986; 11: 769
- bone and gallium scan findings in malignant
fibrous histiocytoma: case report with
radiographic and pathologic correlation,
Mackey JK; Alexieva-Jackson B;
Fetters DV; et al. *Clin Nucl Med* 1987; 12: 17
- case report 359, Remagen W; Nidecker A;
Prein J. *Skeletal Radiol* 1986; 15: 251
- case report 408, Castillo M; Tehranzadeh J;
Becerra J; et al. *Skeletal Radiol* 1987; 16: 74
- case report 444, Kemp HBS; Byers PD. *Skeletal
Radiol* 1987; 16: 584
- case report 465, Hermann G; Steiner GC;
Sherry HH. *Skeletal Radiol* 1988; 17: 195
- computed tomography of primary malignant
fibrohistiocytoma of the lung, Ismaili I;
Khan A; Leonidas JC; et al. *Comput Radiol*
1987; 11: 37
- extraperitoneal abdominal malignant
fibrous histiocytoma, Bruneton J-N;
Drouillard J; Rogopoulos A; et al.
Gastrointest Radiol 1988; 13: 299
- imaging studies of patients with malignant
fibrous histiocytoma using C-11-alpha-
aminoisobutyric acid (AIB), Schmall B;
Conti PS; Bigler RE; et al. *Clin Nucl Med*
1987; 12: 22
- intraarterial digital subtraction arteriographic
evaluation of extremity tumors: comparison
with conventional arteriography, Lee KR;
Cox GG; Price HJ; Johnson JA; Neff JR.
Radiology 1986; 158: 255
- malignant fibrous histiocytoma in bone
infarct: association with sickle cell trait and
alcohol abuse, (ab), Frierson HF Jr;
Fechner RE; Stallings RG; et al. *Radiology*
1987; 164: 591
- malignant fibrous histiocytoma metastatic to
the thyroid gland, Ackerman L; Romyn A;
Khedkar N; et al. *Clin Nucl Med* 1987; 12:
648
- malignant fibrous histiocytoma occurring at
the site of a previous total hip replacement,
Tait NP; Hacking PM; Malcolm AJ, Br J
Radiol 1988; 61: 73
- malignant fibrous histiocytoma of the liver,
Honda H; Nakamura Y; Kajiura T; et al.
Comput Med Imag Graph 1988; 12: 131
- malignant fibrous histiocytoma of the spine:
computed tomography appearance and
review of the literature, Bidwell JK;
Young JWR; Saylor L. *CT* 1987; 11: 355
- posttraumatic malignant fibrous histiocytoma
of bone: clinicopathologic study of 20
patients, (ab), Huvos AG; Woodard HQ;
Heilweil M. *Radiology* 1986; 161: 284
- retroperitoneal malignant fibrous
histiocytoma: an unusual echographic
presentation, Schut JM; van Imhoff WL, *JCU*
1987; 15: 145
- skull infarction in a patient with malignant
fibrous histiocytoma, Nagle CE; Morayati SJ;
LeDuc MA. *Clin Nucl Med* 1987; 12: 735
- varied radiographic manifestations of
retroperitoneal malignant fibrous
histiocytoma revealed through 27 cases, (ab),
Goldman SM; Hartman DS; Weiss SW,
Radiology 1986; 160: 284

Histiocytosis

- bilateral temporal bone involvement with
eosinophilic granuloma, Ginsberg HN;
Swayne LC; Peron DL; et al. *Comput Med
Imag Graph* 1988; 12: 107
- case report 342, Schlesinger AE; Glass RBJ;
Young S; et al. *Skeletal Radiol* 1986; 15: 57
- case report 375, Scutellari PN; Orzincolo C;
Troita F. *Skeletal Radiol* 1986; 15: 394
- case report 424, Moyer RA; Betz RR;
Bonakdarpour A. *Skeletal Radiol* 1987; 16:
333
- case report 457, Unni KK. *Skeletal Radiol* 1988;
17: 129
- cavitation of anterior mediastinal masses in
children with histiocytosis-X: report of four
cases with radiographic, pathologic findings
and clinical follow up, Abramson SJ;
Berdon WE; Reilly BJ; et al. *Pediatr Radiol*
1987; 17: 10

- cervical meningeal histiocytosis demonstrated
by magnetic resonance imaging,
Drolshagen LF; Kessler R; Fartain CL,
Pediatr Radiol 1987; 17: 63
- computed tomography in histiocytosis X of the
temporal bone, Feuchot M; Eftekhari F; Van
Tassel P; et al. *CT* 1988; 12: 9
- eosinophilic granuloma of the cervical spine
without vertebral plana, Baber WW;
Numaguchi Y; Nadell JM; et al. *CT* 1987; 11:
346
- eosinophilic granuloma of the spine: MR
demonstration, Haggstrom JA; Brown JC;
Marsh PW. *JCAT* 1988; 12: 344
- expansile bone lesions of the vertebra,
Kumar R; Guinto FC Jr; Madewell JE;
David R; Shirkhoda A. *Radiographics* 1988;
8: 749
- histiocytosis X mimicking recurrent malignant
disease: a report of two cases, Murray PA;
Hall PA. *Clin Radiol* 1988; 39: 310
- histiocytosis X of the temporal bone: CT
findings, Cunningham MJ; Curtin HD;
Butkiewicz BL. *JCAT* 1988; 12: 70
- histiocytosis-X of the hypothalamus: case
report and literature review, Jinkins JR,
Comput Radiol 1987; 11: 181
- histiocytosis X: unusual-confusing features of
eosinophilic granuloma, (ab), Pomeranz SJ;
Proto AV. *Radiology* 1986; 160: 571
- intracranial histiocytosis X: case report,
Beers GJ; Manson J; Carter AP; et al. *CT*
1986; 10: 237
- juvenile xanthogranuloma of the kidney,
Gilbert TJ; Parker BR. *Pediatr Radiol* 1988;
18: 169
- Langerhans cell histiocytosis with the
radiographic findings of Erdheim-Chester
disease, Waite RJ; Doherty PW;
Liepman M; et al. *AJR* 1988; 150: 869
- MR imaging of histiocytosis X in the central
nervous system, Graif M; Pennock JM, *AJNR*
1986; 7: 21
- primary lesions of bone in the 1st decade of
life: retrospective survey of biopsy results,
Senac MO Jr; Isaacs H; Gwinn JL. *Radiology*
1986; 160: 491
- prognostic factors for healing of bone lesions
in histiocytosis X, Alexander JE; Seibert JJ;
Berry DH; et al. *Pediatr Radiol* 1988; 18: 326
- radionuclide imaging in histiocytosis X,
Schaub T; Ash JM; Gilday DL. *Pediatr Radiol*
1987; 17: 397
- regressing atypical histiocytosis: a case report
of control following low dose radiation
therapy, Selch MT; Fu YS, *Int J Radiat Oncol
Biol Phys* 1987; 13: 1739
- renal sinus histiocytosis, Bechtold RE;
Wolfman NT; Karstaedt N; Geisinger K,
Radiology 1987; 162: 689
- sinus histiocytosis with massive
lymphadenopathy, Pastakia B; Weiss SH,
Clin Nucl Med 1987; 12: 877
- solitary eosinophilic granuloma of a cervical
neural arch, (ab), Martin N; Helias A;
Pottuz GJ; et al. *Radiology* 1986; 158: 571

Histoplasmosis

- histoplasmosis, pleural fibrosis, and slowly
enlarging pleural effusion in an
asymptomatic patient, (ab), Swinburne AJ;
Fedullo AJ; Wahl GW; et al. *Radiology* 1987;
164: 882
- histoplasmosis involving the omentum in an
AIDS patient: CT demonstration,
Altman DD; Cho KC, *JCAT* 1988; 12: 664
- sonography of the adrenal glands in chronic
disseminated histoplasmosis, Wilson DA;
Nguyen DL; Tytle TL; et al. *J Ultrasound
Med* 1986; 5: 69
- thalamic histoplasmosis: CT and MR imaging,
Dion FM; Venger BH; Landon G; et al. *JCAT*
1987; 11: 193

Hodgkin disease

- See also Lymphoma
- AIDS-related lymphomas: evaluation by
abdominal CT, Nyberg DA; Jeffrey RB Jr;
Federle MP; Bottles K; Abrams DL,
Radiology 1986; 159: 59
- cardiophrenic angle adenopathy: update of
causes and significance, Vock P; Hodler J,
Radiology 1986; 159: 395
- case report 414, Sullivan WT; Solonick DM,
Skeletal Radiol 1987; 16: 166

- case report: Hodgkin's disease involving the
large bowel, Hall AG; Taylor R;
Evans RGB; et al. *Clin Radiol* 1988; 39: 193
- case report: nodular sclerosing Hodgkin's
disease in association with Gaucher's
disease, Goodman S. *Clin Radiol* 1988; 39:
326
- contemporary management of Hodgkin
disease, Hoppe RT. *Radiology* 1988; 169: 297
- false-positive thallium-201 parathyroid scan of
the mediastinum in Hodgkin's lymphoma,
Winkelberg GG; Melada GA; Hydovitz JD,
AJR 1986; 147: 819
- Hodgkin disease: CT of the thymus,
Heron CW; Husband JE; Williams MP,
Radiology 1988; 167: 647
- Hodgkin disease of the maxillary sinus,
Shlansky-Goldberg RD; Rao VM;
Choi HY; et al. *JCAT* 1988; 12: 507
- Hodgkin's disease in a patient with
polysplenia, Curran JG; Ryan MJ, *Br J Radiol*
1987; 60: 929
- Hodgkin's disease in childhood: British
National Lymphoma Investigation
experience (BNLI report no. 27),
Makepeace AR; MacLennan KA;
Hudson GV; et al. *Clin Radiol* 1987; 38: 7
- Hodgkin's disease of spine: computed
tomography and magnetic resonance
imaging, Mikhael MA; Paige ML. *CT* 1987;
11: 174
- intracranial Hodgkin's disease, Blake PR;
Carr DH; Goulden AWG, *Br J Radiol* 1986;
59: 414
- intracranial non-Hodgkin lymphoma
occurring after treatment of Hodgkin
disease, Yang PJ; Burt TB; Strick DD;
Seeger JF. *Radiology* 1986; 161: 541
- intramedullary spinal cord metastasis in
Hodgkin's disease: rapid diagnosis and
treatment resulting in neurologic recovery,
(ab), Lyding JM; Tseng A; Newman A; et al.
Radiology 1988; 167: 295
- magnetic resonance imaging for assessment of
treatment effects in mediastinal Hodgkin's
disease, Nyman R; Rehn S; Glimelius B; et al.
Acta Radiol 1987; 28: 145
- mediastinum in Hodgkin's and non-
Hodgkin's lymphomas, Blank N;
Castellino RA, *J Thorac Imag* 1987; 2: 66
- posttraumatic sarcoma of bone in Hodgkin
disease, Smith J. *Skeletal Radiol* 1987; 16:
524
- primary pulmonary Hodgkin's disease:
clinicopathologic study of 15 cases, (ab),
Yousem SA; Weiss LM; Colby TV. *Radiology*
1986; 160: 857
- prognostic significance of mediastinal bulk in
patients with stage IA-IIIB Hodgkin's
disease: report from the Manchester
lymphoma group, (ab), Anderson H;
Jenkins JPR; Briggs DJ; et al. *Radiology* 1986;
158: 863
- regression of mediastinal Hodgkin disease
after therapy: evaluation of timeinterval,
North LB; Fuller LM; Sullivan-Halley JA;
Hagemeister FB. *Radiology* 1987; 164: 599
- residual fibrous masses in treated Hodgkin's
disease, (ab), Chen JL; Osborne BM;
Butler JJ. *Radiology* 1988; 166: 586
- role of CT in the study of recurrences of
Hodgkin's disease on the chest wall: report
on 12 cases, Frija J; Bellin M-F; Laval-
Jeantet M; et al. *Eur J Radiol* 1987; 7: 229
- systemic disturbance in Hodgkin's disease and
its relation to histopathology and prognosis
(BNLI report No. 30), Hudson BV;
MacLennan KA; Bennett MH; et al. *Clin
Radiol* 1987; 38: 257
- three cases demonstrating the role of gallium
scanning in relapsing Hodgkin's disease and
non-Hodgkin lymphoma, Zollars LE;
Nagel JS; Tumeh SS, *J Nucl Med* 1987; 28:
1611
- ultrasonic evaluation of the scrotum in
lymphoproliferative disease, Phillips G;
Kumari-Subaiya S; Sawitsky A, *J Ultrasound
Med* 1987; 6: 169
- ultrasongraphic patterns of focal hepatic and
splenic lesions in Hodgkin's and non-
Hodgkin's lymphoma, Wernecke K;
Peters PE; Kruger K-C, *Br J Radiol* 1987; 60:
655
- value of thoracic computed tomography in the
detection of recurrent Hodgkin's disease,
Heron CW; Husband JE; Williams MP; et al.
Br J Radiol 1988; 61: 567

Hodgkin disease, complications

- Hodgkin's disease with hypercalcemia detected by thallium-201 scintigraphy, Linde R; Basso L, *J Nucl Med* 1987; 28: 112
- organ enlargement in lymphoma visualised by computed tomography, Seltzer SE; Jochelson M; Balikian JP, *Clin Radiol* 1986; 37: 525

Hodgkin disease, diagnosis

- Hodgkin disease and non-Hodgkin lymphomas in children: utilization of radiological modalities, Cohen MD; Siddiqui AR; Weetman RM; Provisor AJ; Coates T, *Radiology* 1986; 158: 499
- Hodgkin disease: practical concepts for the diagnostic radiologist, Castellino RA, *Radiology* 1986; 159: 305
- ICON: computer-based approach to differential diagnosis in radiology, Swett HA; Miller PL, *Radiology* 1987; 163: 555

- small arteries in peripheral lymph nodes: a specific US sign of lymphomatous involvement, Majer MC; Hess CF; Köbel G; Schmiedl U, *Radiology* 1988; 168: 241

Hodgkin disease, in infants and children

- Hodgkin's disease in childhood: British National Lymphoma Investigation experience (BNLI report no. 27), Makepeace AR; MacLennan KA; Hudson GV; et al, *Clin Radiol* 1987; 38: 7
- initial chemotherapy and low-dose radiation in limited fields in childhood Hodgkin's disease: results of a joint cooperative study by the French Society of Pediatric Oncology (SFOP) and Hôpital Saint-Louis, Paris, Dionet C; Oberlin O; Habrand JL; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 341
- residual or recurrent chest mass in pediatric Hodgkin's disease: a surgical problem?, (ab), Stolar CJH; Garvin JH Jr; Rustad DG; et al, *Radiology* 1988; 168: 592

Hodgkin disease, staging

- contemporary management of Hodgkin disease, Hoppe RT, *Radiology* 1988; 169: 297
- Hodgkin disease: clinical utility of CT in initial staging and treatment, Hopper KD; Diehl LF; Lesar M; Barnes M; Granger E; Baumann J, *Radiology* 1988; 169: 17
- Hodgkin disease: contributions of chest CT in the initial staging evaluation, Castellino RA; Blank N; Hoppe RT; Cho C, *Radiology* 1986; 160: 603
- Hodgkin disease: imaging studies and patient management, Castellino RA, *Radiology* 1988; 169: 269
- Hodgkin disease: practical concepts for the diagnostic radiologist, Castellino RA, *Radiology* 1986; 159: 305
- lymphomatous superficial lymph nodes: US detection, Bruneton J-N; Normand F; Balu-Maestro C; Kerboul P; Santini N; Thyss A; Schneider M, *Radiology* 1987; 165: 233
- radical treatment of Hodgkin disease with radiation therapy: results of a 15-year clinical trial, the 1985 Erskine Lecture, Levitt SH; Lee CKK; Aeppli DM; Bloomfield CD, *Radiology* 1987; 162: 623

Hodgkin disease, therapeutic radiology

- adjuvant role of two cycles of MOPP and low-dose lung irradiation in stage IA through IIB Hodgkin's disease: preliminary results, Fuller LM; Hagemester FB; North LB; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 683
- complications from large field intermediate dose infradiaphragmatic radiation: an analysis of the patterns of care outcome studies for Hodgkin's disease and seminoma, Coia LR; Hanks GE, *Int J Radiat Oncol Biol Phys* 1988; 15: 29
- contemporary management of Hodgkin disease, Hoppe RT, *Radiology* 1988; 169: 297
- development of Graves' disease following radiation therapy in Hodgkin's disease, Loeffler JS; Tarbell NJ; Garber JR; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 175
- initial chemotherapy and low-dose radiation in limited fields in childhood Hodgkin's disease: results of a joint cooperative study by the French Society of Pediatric Oncology (SFOP) and Hôpital Saint-Louis, Paris, Dionet C; Oberlin O; Habrand JL; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 341

- late toxicity of radiotherapy in Hodgkin's disease: the role of fraction size, Cosset JM; Henry-Amar M; Girinski T; et al, *Acta Oncol* 1988; 27: 123

- non-Hodgkin's lymphoma following radiotherapy for Hodgkin's disease, Karp SJ; Bennett MH, *Clin Radiol* 1986; 37: 479

- non-Hodgkin's lymphoma following successful treatment of Hodgkin's disease, Amin R; Anthony P, *Clin Radiol* 1986; 37: 483

- radiotherapy results in laparotomy-staged Hodgkin's disease, Verger E; Easton D; Brada M; et al, *Clin Radiol* 1988; 39: 428

- total dose, fraction size, and tumor volume in the local control of Hodgkin's disease, Schewe KL; Reavis J; Kun LE; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 25

- treatment of patients with "minimal" stage IIIA Hodgkin's disease, Powis WD; Mauch P; Goffman T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1437

Hodgkin disease, therapy

- adjuvant role of two cycles of MOPP and low-dose lung irradiation in stage IA through IIB Hodgkin's disease: preliminary results, Fuller LM; Hagemester FB; North LB; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 683
- case report: benign thymic cyst following mantle radiotherapy for Hodgkin's disease, Veeze-Kuipers B; Van Andel JG; Stiegelis WF; et al, *Clin Radiol* 1987; 38: 289
- contemporary management of Hodgkin disease, Hoppe RT, *Radiology* 1988; 169: 297
- evaluation of therapeutic modalities in the control of Hodgkin's disease, Mandelli F; Anselmo AP; Cartoni C; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1617
- Hodgkin disease: clinical utility of CT in initial staging and treatment, Hopper KD; Diehl LF; Lesar M; Barnes M; Granger E; Baumann J, *Radiology* 1988; 169: 17
- Hodgkin disease: imaging studies and patient management, Castellino RA, *Radiology* 1988; 169: 269
- Hodgkin disease: practical concepts for the diagnostic radiologist, Castellino RA, *Radiology* 1986; 159: 305
- Hodgkin's disease: a reassessment of prognostic factors following modification of radiotherapy, Lee CKK; Aeppli DM; Bloomfield CD; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 983
- Hodgkin's disease: is there a price for successful treatment? 25-year experience, Rubin P; Zagars G; Chuang C; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 153
- investigation into the daily reproducibility of patient positioning for 'mantle' treatments, Pearcey RG; Griffiths SE, *Clin Radiol* 1986; 37: 43
- magnetic resonance imaging for assessment of treatment effects in mediastinal Hodgkin's disease, Nyman R; Rehn S; Glimelius B; et al, *Acta Radiol* 1987; 28: 145
- minimal long-term cardiopulmonary dysfunction following treatment for Hodgkin's disease, Watchie J; Coleman CN; Raffin TA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 517
- radical treatment of Hodgkin disease with radiation therapy: results of a 15-year clinical trial, the 1985 Erskine Lecture, Levitt SH; Lee CKK; Aeppli DM; Bloomfield CD, *Radiology* 1987; 162: 623
- recovery of spermatogenesis following pelvic irradiation for Hodgkin's disease, Pedrick TJ; Hoppe RT, *Int J Radiat Oncol Biol Phys* 1986; 12: 117
- regression of mediastinal Hodgkin disease after therapy: evaluation of timeinterval, North LB; Fuller LM; Sullivan-Halley JA; Hagemester FB, *Radiology* 1987; 164: 599

Holoprosencephaly

- disorders of midline structures: holoprosencephaly, absence of corpus callosum, and Chiari malformations, Byrd SE; Osborn RE; Radkowski MA; et al, *Semin US CT MR* 1988; 9: 201
- holoprosencephaly: prenatal sonographic diagnosis, Nyberg DA; Mack LA; Bronstein A; et al, *AJNR* 1987; 8: 871

- lobar holoprosencephaly with hydrocephalus: antenatal demonstration and differential diagnosis, Hoffman-Tretin JC; Horoupian DS; Koenigsberg M; et al, *J Ultrasound Med* 1986; 5: 691

Homosexuals

- rectal lymphoma in homosexual men, (ab), Burkes RL; Meyer PR; Gill PS; et al, *Radiology* 1986; 161: 284

Hormone receptors

- receptor localization and quantification with PET, Frost JJ, *Radiology* 1988; 169: 273

Hormones

- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Nyberg DA; Filly RA; Filho DLD; Laing FC; Mahony BS, *Radiology* 1986; 158: 393
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Kadar N; Romero R, *Radiology* 1986; 161: 854
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels: reply, Filly RA; Laing FC; Nyberg DA, *Radiology* 1986; 161: 854
- adjuvant estrogen following radiation therapy for stage C adenocarcinoma of the prostate: long-term results of a prospective randomized study, Zagars GK; Johnson DE; von Eschenbach AC; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1085
- changes in biochemical parameters during complete thyroid hormone deficiency of short duration in athyreotic patients, Weisell M; Kainz H; Hofer R, *J Nucl Med* 1986; 27: 1528
- CT of cerebral abnormalities in precocious puberty, Rieth KG; Comite F; Dwyer AJ; et al, *AJNR* 1987; 8: 283
- diagnostic value of free triiodothyronine in serum, Avalos E; De Nayer P; Beckers C, *J Nucl Med* 1986; 27: 1702
- differential gallbladder contractility in fundal adenomyomatosis: demonstration by cholecystokinetic cholecystography, Swaine LC; Heitner D; Rubenstein JB; et al, *J Nucl Med* 1987; 28: 1771
- early pregnancy complications: endovaginal sonographic findings correlated with human chorionic gonadotropin levels, Nyberg DA; Mack LA; Laing FC; Jeffrey RB Jr, *Radiology* 1988; 167: 619
- ectopic pregnancy: diagnosis by sonography correlated with quantitative HCG levels, Nyberg DA; Filly RA; Laing FC; et al, *J Ultrasound Med* 1987; 6: 145
- estrogen and progesterone receptor determinations in breast cancer: technology, biology and clinical significance, Thorpe SM, *Acta Oncol* 1988; 27: 1
- hyperprolactinemia: unusual manifestation of suprasellar cystic lesions, Woodruff WW Jr; Heinz ER; Djang WT; et al, *AJNR* 1987; 8: 113
- identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens, Doppman JL; Loughlin T; Miller DL; Pass HI; Chrousos GP; Cutler GB Jr; Oldfield EH; Loriaux DL, *Radiology* 1987; 163: 501
- immunohistochemical localization in the rat brain of the precursor for thyrotropin-releasing hormones, (ab), Jackson JMD; Wu P; Lechan RM, *Radiology* 1986; 158: 572
- macronodular adrenal hyperplasia in Cushing disease, Doppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield E; Loriaux DL, *Radiology* 1988; 166: 347
- relationship of estrogen and progesterone receptors to prognosis in breast cancer, (ab), Gelbfish GA; Davidson AL; Kopel S; et al, *Radiology* 1988; 168: 292
- retrospective study of thirty-two patients with small-cell bronchogenic carcinoma and inappropriate secretion of antidiuretic hormone, Lockton JA; Thatcher N, *Clin Radiol* 1986; 37: 47
- technical difficulties of selective venous blood sampling in the differential diagnosis of female hyperandrogenism, Sorensen R; Moltz L; Schwartz U, *Cardiovasc Intervent Radiol* 1986; 9: 75
- transection of the pituitary stalk: development of an ectopic posterior lobe assessed with MR imaging, Fujisawa I; Kikuchi K; Nishimura K; Togashi K; Itoh K; Noma S; Minami S; Sagoh T; Hiraoka T; Momoi T; Mikawa H; Nakano Y; Itoh H; Konishi J, *Radiology* 1987; 165: 487

Hormones

ultrasonography in patients with low maternal serum α -fetoprotein, Nelson LH; Burton BK; Sowers S, *J Ultrasound Med* 1987; 6: 59

use of monoclonal antiestrogen receptor antibody to evaluate estrogen receptor content in fine-needle aspiration breast biopsies, (ab), Flowers JL; Burton GV; Cox EB; et al, *Radiology* 1986; 160: 857

variations in serum thyroxine concentrations with time after an oral replacement dose, Maxon HR; Volle C; Hertzberg V; et al, *Clin Nucl Med* 1987; 12: 389

Horner syndrome

Horner syndrome occurring as a complication of chest tube placement, Bertino RE; Wesbey GE; Johnson RJ, *Radiology* 1987; 164: 745

How I Do It

See Radiology and radiologists, How I Do It

Humerus

case report 438, Mitchell ML; Ackerman LV; Tsutsumi A, *Skeletal Radiol* 1987; 16: 498

complex fractures of the proximal humerus: role of CT in treatment, Castagno AA; Shuman WP; Kilcoyne RF; Haynor DR; Morris ME; Matsen FA, *Radiology* 1987; 165: 759

Paget disease with contraction of long bones, Lander PH; Hadjipavlou AG, *Radiology* 1986; 159: 471

proximal humeral defects in Gaucher's disease, Li JKW; Birch PD; Davies AM, *Br J Radiol* 1988; 61: 579

sonographic appearance of osteolysis of humeral head, Kauzlaric D, *JCU* 1986; 14: 566

sonography of slipped humeral epiphysis due to birth injury, Ziegler M; Dorr U; Schulz RD, *Pediatr Radiol* 1987; 17: 425

Humerus, fractures

complex fractures of the proximal humerus: role of CT in treatment, Castagno AA; Shuman WP; Kilcoyne RF; Haynor DR; Morris ME; Matsen FA, *Radiology* 1987; 165: 759

open reduction and internal fixation of humeral shaft fractures: results using AO plating techniques, (ab), Griend RV; Tomasini J; Ward EF, *Radiology* 1986; 160: 859

prediction of the stability of minimally displaced fractures of the lateral humeral condyle, Thönnell S; Mortenson W; Thomasson B, *Acta Radiol* 1988; 29: 367

pseudarthrosis following proximal humeral fractures: possible mechanism, Rooney PJ; Cockshott WP, *Skeletal Radiol* 1986; 15: 21

supracondylar fractures of the humerus: assessment of cubitus varus by the Baumann angle, (ab), Worlock P, *Radiology* 1987; 163: 591

supracondylar fractures of the humerus: prediction of the cubitus varus deformity with CT, Hindman BW; Schreiber RR; Wiss DA; Ghilarducci MJ; Avolio RE, *Radiology* 1988; 168: 513

Hurler syndrome

radiological findings in patients with mucopolysaccharidosis I H/S (Hurler-Scheie syndrome), Schmidt H; Ullrich K; von Lengerke H-J; et al, *Pediatr Radiol* 1987; 17: 409

Hyaline membrane disease

See Respiratory distress syndrome

Hydatid disease

See Echinococcosis

Hydatidiform mole

See Uterus, hydatidiform mole

Hydrocephalus

See Brain, hydrocephalus

Hydronephrosis

dilatation of the common bile duct secondary to a hydronephrotic kidney, Cohen LM; Sachs L; Hill MC, *CT* 1986; 10: 291

diuresis renography and simultaneous renal pelvic pressure in hydronephrosis, (ab), Poulsen EU; Frøkjær J; Taagehøj-Jensen F; et al, *Radiology* 1988; 166: 587

Friley's syndrome: case report and update on current diagnostic methods, Zuckier LS; Patel YD; Fine EJ; et al, *Urol Radiol* 1988; 10: 103

incidental hydronephrosis on bone scintigraphy: sonographic verification, (ab), Balachandran S; Anguaco TL; Shah HR; et al, *Radiology* 1986; 158: 858

intermittent hydronephrosis: unique feature of ureteropelvic junction obstruction caused by a crossing renal vessel, Evison G, *Radiology* 1986; 159: 283

milk-of-calcium hydronephrosis in patients with paraplegia and urinary-enteric diversion: CT demonstration, Sussman SK; Goldberg RP; Griscom NT, *JCAT* 1986; 10: 257

neonatal hydronephrosis in the era of

sonography, Brown T; Mandell J; Lebowitz RL, *AJR* 1987; 148: 959

normal and hydronephrotic kidney: evaluation of renal function with contrast-enhanced MR imaging, Kikinis R; von Schulthess GK; Jager P; Durr R; Bino M; Kuoni W; Kubler O, *Radiology* 1987; 165: 837

pelvic exenteration: role of CT in follow-up, Pan G; Shirkhoda A, *Radiology* 1987; 164: 665

renal obstruction in patients with ileal loops: US evaluation, Cronan JJ; Amis ES Jr; Scola FH; Schepps B, *Radiology* 1986; 158: 647

simulation of a hydronephrotic pelvic kidney by an unusual pelvic mass, Ngo C; Verma RC; Wong L; et al, *JCU* 1987; 15: 126

Hydroids

fetal hydroids secondary to a paratracheal hemangiomas malformation, Lenke RR; Cyr DR; Mack LA; et al, *J Ultrasound Med* 1986; 5: 223

hydroids of the gallbladder in typhoid fever as demonstrated by sonography, Cohen EK; Stringer DA; Smith CR; et al, *JCU* 1986; 14: 633

Hydroids fetalis

Doppler blood flow velocity waveforms in alpha-thalassemia hydroids fetalis, Woo JSK; Liang ST; Lo RLS; et al, *J Ultrasound Med* 1987; 6: 679

ultrasonographic features of nonimmune hydroids fetalis: study of 30 successive patients, Brown BSJ, *J Canad Assoc Radiol* 1986; 37: 164

Hydrothorax

demonstration of hydrothorax by intraperitoneal injection of technetium-99m MAA in the evaluation of peritoneovenous shunt patency, Stewart CA; Sakimura IT; Siegel ME, *Clin Nucl Med* 1986; 11: 696

hydrothorax, ascites, and right diaphragmatic hernia, Gilsanz V; Emons D; Hansmann M; Meradji M; Donaldson JS; Omenaca F; Quero J; Tucker BL, *Radiology* 1986; 158: 243

Hydroxyapatite

coralline hydroxyapatite bone graft substitutes in a canine metaphyseal defect model: radiographic-histometric correlation, Sartoris DJ; Holmes RE; Tencer AF; et al, *Skeletal Radiol* 1986; 15: 635

coralline hydroxyapatite bone graft substitutes in a canine diaphyseal defect model: radiographic features of failed and successful union, Sartoris DJ; Holmes RE; Bucholz RW; et al, *Skeletal Radiol* 1986; 15: 642

coralline hydroxyapatite bone-graft substitutes in a canine metaphyseal defect model: radiographic-histometric correlation, Sartoris DJ; Holmes RE; Bucholz RW; et al, *Invest Radiol* 1986; 21: 851

coralline hydroxyapatite bone-graft substitutes in a canine diaphyseal defect model: radiographic-histometric correlation, Sartoris DJ; Holmes RE; Bucholz RW; et al, *Invest Radiol* 1987; 22: 590

coralline hydroxyapatite bone graft substitutes: preliminary report of radiographic evaluation, Sartoris DJ; Censhuni DH; Akeson WH; Holmes RE; Resnick D, *Radiology* 1986; 159: 133

hydroxyapatite deposition disease presenting as calcific periarthritis in a 14-year-old girl, Rush PJ; Wilmot D; Shore A, *Pediatr Radiol* 1986; 16: 169

Hyperalimentation

CT findings in mediastinal extravasation of hyperalimentation fluid, Cobb RJ; Mendelson DS, *JCAT* 1987; 11: 158

pleuropulmonary complications of enteral tube feedings: two reports, review of literature, and recommendations, (ab), Miller KS; Tomlinson JR; Sahn SA, *Radiology* 1986; 158: 565

Hyperostosis

appearance of hyperostosis frontalis interna on indium-111 leukocyte scans: potential diagnostic pitfall, Floyd JL; Jackson DE Jr; Carretta R, *J Nucl Med* 1986; 27: 495

autosomal dominant type of endosteal hyperostosis with unusual manifestations of sclerosis of the jaw bones, Nakamura T; Yamada N; Nonaka R; et al, *Skeletal Radiol* 1987; 16: 48

bone imaging of sternocostoclavicular hyperostosis in palmarplantar pustulosis, Ueno K; Rikimaru S; Kawashima Y; et al, *Clin Nucl Med* 1986; 11: 420

case report 407, Aberle DR; Milos MJ; Aberle AM; et al, *Skeletal Radiol* 1987; 16: 70

cranial CT findings in sclerosteosis, Hill SC; Stein SA; Dwyer A; et al, *AJNR* 1986; 7: 505

CT features of hyperostosing meningioma en plaque, Kim KS; Rogers LF; Goldblatt D, *AJNR* 1987; 8: 853

false-positive calvarial uptake of indium-111 leukocytes in a patient with hyperostosis frontalis interna, Paulson E; Datz FL, *Clin Nucl Med* 1988; 13: 68

hyperostosis crani: radiography and scintigraphy compared, Jacobson H; Haverling M, *Acta Radiol* 1988; 29: 223

idiopathic periosteal hyperostosis with dysproteinemia (Goldbloom's syndrome): case report and review of the literature, (ab), Cameron BJ; Laxer RM; Wilmot DM; et al, *Radiology* 1988; 167: 886

inflammatory hyperostosis and sclerosis of the clavicle, Jurik AG; Moller BN, *Skeletal Radiol* 1986; 15: 284

minimal spinal hyperostosis with low-dose isotretinoin therapy, Kilcoyne RF; Cope R; Cunningham W; et al, *Invest Radiol* 1986; 21: 41

radiological features of diffuse idiopathic skeletal hyperostosis (D.I.S.H.), Doyle TCA; Littlejohn G, *Australas Radiol* 1986; 30: 76

radionucleic and radiographic diagnosis of sternocostoclavicular hyperostosis, Rosenthal L; Burke DL, *Clin Nucl Med* 1986; 11: 322

scintigraphic detection of clavicular hyperostosis in a patient with fulminant acne, Madsen JL, *Clin Nucl Med* 1988; 13: 345

sternocostoclavicular hyperostosis: review and report of 11 cases, Sartoris DJ; Schreiman JS; Kerr R; Resnick CS; Resnick D, *Radiology* 1986; 158: 125

usefulness of bone imaging in diagnosis of sternocostoclavicular hyperostosis, Otsuka N; Fukunaga M; Sone T; et al, *Clin Nucl Med* 1986; 11: 651

Hyperostosis, infantile cortical

abnormal whole-body technetium-99m MDP scintigraphy indicating cortical hyperostosis following long-term administration of prostaglandin E-1 in an infant with cyanotic congenital heart disease, Edeling C-J; Frederiksen PB, *Clin Nucl Med* 1987; 12: 74

Caffey's disease: nuclear medicine and radiologic correlation: a case of mistaken identity, Tien R; Barron BJ; Dhekne RD, *Clin Nucl Med* 1988; 13: 583

case report 363, Langer R; Kaufmann HJ, *Skeletal Radiol* 1986; 15: 377

reversibility of cortical hyperostosis following long-term prostaglandin E₁ therapy in infants with ductus-dependent congenital heart disease, Høst A; Haiken S; Andersen PE Jr, *Pediatr Radiol* 1988; 18: 149

Hyperoxaluria

30-year-old woman with generalized skeletal pain, Nemcek AA Jr; Ziewacz JT; Christiansen R; et al, *Invest Radiol* 1987; 22: 752

radiological aspects of primary hyperoxaluria, Day DL; Scheinman JL; Mahan J, *AJR* 1986; 146: 395

Hyperparathyroidism

See Parathyroid, hyperparathyroidism

Hypertension, portal

agenesis of the right lobe of the liver, Radin DR; Colletti PM; Ralls PW; Boswell WD Jr; Halls JM, *Radiology* 1987; 164: 639

angiographic, hemodynamic, and histologic evaluation of portal hypertension and periportal fibrosis induced in the dog by retrograde biliary injections of sesame oil, Burgen FA; Gutierrez OH, *Invest Radiol* 1986; 21: 551

- chronic portosystemic encephalopathy: embolization of portosystemic shunts, Uflacker R; de O e Silva A; Carneiro d'Albuquerque LA; Fiske RL; Mourao GS, *Radiology* 1987; 165: 721
- comparison of pulsed Doppler sonography and angiography in patients with portal hypertension, Nelson RC; Lovett KE; Chezmaz JL; et al, *AJR* 1987; 149: 77
- correlation between MR and angiography in portal hypertension, Torres WE; Gaylord GM; Whitmire LF; et al, *AJR* 1987; 148: 1109
- duplex Doppler examination in portal hypertension: technique and anatomy, Patriquin HB; Lafortune M; Burns PN; et al, *AJR* 1987; 149: 71
- emergence of hepatic fibrosis and portal hypertension in infants and children with autosomal recessive polycystic kidney disease: initial and follow-up sonographic and radiographic findings, Premkumar A; Berdon WE; Levy J; et al, *Pediatr Radiol* 1988; 18: 123
- emerging technologies for the diagnosis of portal hypertension, Viamonte M Jr, *AJR* 1987; 148: 1113
- expandable intrahepatic portacaval shunt stents in dogs with chronic portal hypertension, Palmaz JC; Garcia F; Sibbitt RR; et al, *AJR* 1986; 147: 1251
- incidence of cholelithiasis among patients with cirrhosis and portal hypertension, Steinberg HV; Beckett WW; Chezmaz JL; et al, *Gastrointest Radiol* 1988; 13: 347
- is it possible to recognize portal hypertension with continuous-wave Doppler ultrasonography?, Lombardi G; Salmi A; Polotti R; et al, *JCU* 1987; 15: 121
- new direct portosystemic collateral in canine portal hypertension, Sharma GP; Shoenut JP; Lautatzis M; et al, *J Canad Assoc Radiol* 1988; 39: 126
- percutaneous vascular intervention after surgical shunting for portal hypertension, Ruff RJ; Chuang VP; Alsbaugh JP; Casarella WJ; Tuten TU; Gaylord GM, *Radiology* 1987; 164: 469
- porta hepatis: duplex Doppler US with angiographic correlation, Alpern MB; Rubin JM; Williams DM; Capek P, *Radiology* 1987; 162: 53
- portal hypertension: angiographic and hemodynamic evaluation, Koolpe HA; Koolpe L, *Radiol Clin North Am* 1986; 24: 369
- portosystemic collaterals on MR imaging, Ohtomo K; Itai Y; Makita K; et al, *JCAT* 1986; 10: 751
- portosystemic shunting in portal hypertension: evaluation with portal scintigraphy with transrectally administered I-123 IMP, Kashiwagi T; Azuma M; Ikawa T; Takehara T; Matsuda Y; Yoshioka H; Mitsutani N; Koizumi T; Kimura K, *Radiology* 1988; 169: 137
- prominent collateral vein in portal hypertension mimicking liver tumours: a pitfall in computed tomography, Yamauchi T; Itai Y; Furui S; et al, *Br J Radiol* 1987; 60: 531
- radioisotopic flow scanning for portal blood flow and portal hypertension, Hedorff CS; Bezuda WR; Danilewitz MD; et al, *Clin Nucl Med* 1987; 12: 610
- shunts for portal hypertension: MR and angiography for determination of patency, Bernardino ME; Steinberg HV; Pearson TC; Gedauga-McClees RK; Torres WE; Henderson JM, *Radiology* 1986; 158: 57
- surgical portosystemic shunts in children: assessment with duplex Doppler US, work in progress, Patriquin HB; Lafortune M; Weber A; Blanchard H; Carel L; Roy C, *Radiology* 1987; 163: 25
- utility and limitations of splanchnic venous ultrasonography in diagnosis of portal hypertension, Rector WG Jr; Campa J; Ralls FW; et al, *JCU* 1986; 14: 689
- Hypertension, pulmonary**
- automated morphologic evaluation of pulmonary arteries in primary pulmonary hypertension, Bost LM; Rich S; Fried R; et al, *Invest Radiol* 1986; 21: 906
- central thrombi in pulmonary arterial hypertension detected by MR imaging, Fisher MR; Higgins CB, *Radiology* 1986; 158: 223
- current concepts in the management of neonatal ICU patients with pulmonary hypertension and localized barotrauma, Berdon WE, *Radiology* 1986; 158: 493
- diagnosis of pulmonary hypertension from radiographic estimates of pulmonary arterial size, (ab), Bush A; Gray H; Denison DM, *Radiology* 1988; 169: 881
- hemodynamic effects of the administration of ionic and nonionic contrast materials into the pulmonary arteries of a canine model of acute pulmonary hypertension, Rees CR; Palmaz JC; Garcia O; et al, *Invest Radiol* 1988; 23: 184
- MR imaging of pulmonary arterial hypertension and pulmonary emboli, White RD; Winkler ML; Higgins CB, *AJR* 1987; 149: 15
- primary pulmonary hypertension: a national prospective study, (ab), Rich S; Dantzer DR; Ayres SM; et al, *Radiology* 1988; 167: 587
- primary pulmonary hypertension: radiographic and scintigraphic patterns of histologic subtypes, (ab), Rich S; Pietra GG; Kieras K; et al, *Radiology* 1987; 163: 587
- pulmonary angiography in severe chronic pulmonary hypertension, (ab), Nicod P; Peterson K; Levine M; et al, *Radiology* 1988; 167: 589
- pulmonary arterial hypertension: value of perfusion scintigraphy, Powe JE; Palevsky HI; McCarthy KE; Alavi A, *Radiology* 1987; 164: 727
- pulmonary arteriography in the high-risk patient, Perlmutt LM; Braun SD; Newman GE; Oke EJ; Dunnick NR, *Radiology* 1987; 162: 187
- pulmonary hypertension: etiology and clinical evaluation, Koerner SK, *J Thorac Imag* 1988; 3-1: 25
- Hypertension, renal**
- captopril renography in two kidney and one kidney Goldblatt hypertension in dogs, Nally JV Jr; Clarke HS Jr; Gupta BK; et al, *J Nucl Med* 1987; 28: 1171
- case report: renovascular hypertension in Takayasu's disease treated by percutaneous transluminal angioplasty, Cook PG; Wells IF; Marshall AJ, *Clin Radiol* 1986; 37: 583
- changing concepts in surgical management of renovascular hypertension, (ab), Libertino JA; Flam TA; Zinman LN; et al, *Radiology* 1988; 168: 885
- comparison of different radioactive agents for the detection of renovascular hypertension with captopril in a rat model, McAfee JG; Kopecky RT; Thomas FD; et al, *J Nucl Med* 1988; 29: 509
- detection, evaluation, and treatment of renovascular hypertension: final report, (ab), Working Group on Renovascular Hypertension, *Radiology* 1987; 165: 589
- digital subtraction angiography in the evaluation of renal vascular hypertension in children, (ab), Tonkin IL; Stapleton FB; Roy S III, *Radiology* 1988; 168: 591
- echo-Doppler velocimeter in the diagnosis of hypertensive patients: renal artery Doppler technique, Handa N; Fukunaga R; Uehara A; et al, *Ultrasound Med Biol* 1986; 12: 945
- efficacy of echo-Doppler examination for the evaluation of renovascular disease, Handa N; Fukunaga R; Etani H; et al, *Ultrasound Med Biol* 1987; 14: 1
- finding and dilating renal artery stenoses for hypertension, Sherwood T, *Clin Radiol* 1988; 39: 359
- left renal vein hypertension in patients with left renal bleeding of unknown origin, Nishimura Y; Fukushima M; Yoshida M; Nakamura K; Imai M; Ono T; Morikawa S; Hatayama T; Komatz Y, *Radiology* 1986; 160: 663
- renal hypertension, Hillman BJ, *Urol Radiol* 1988; 10: 31
- renewed role of nuclear medicine in renovascular hypertension, Blaufox MD; Freeman LM, *Urol Radiol* 1988; 10: 35
- renovascular hypertension caused by compression of the renal artery by the diaphragmatic crus, Spies JB; LeQuire MH; Robison JG; et al, *AJR* 1987; 149: 1195
- renovascular hypertension in a child with Degos-Kohlmeier disease, Schade FB; Monnens L; Hendriks JHCL; et al, *Pediatr Radiol* 1987; 17: 260
- single-dose captopril scintigraphy in the diagnosis of renovascular hypertension, Stakianakis GN; Bourgoignie JJ; Jaffe D; et al, *J Nucl Med* 1987; 28: 1383
- therapeutic embolization of renal artery to control severe hypertension due to renal trauma, Cotroneo AR; Patane D; de Cinque M; et al, *Eur J Radiol* 1987; 7: 147
- urinoma and arterial hypertension complicating neonatal renal candidiasis, Sirinelli D; Biriotti V; Schmit P; et al, *Pediatr Radiol* 1987; 17: 156
- Hypertension, systemic**
- case report: renovascular hypertension following radiotherapy and chemotherapy treated by transluminal angioplasty, Minton MJ; McIvor J; Cappuccino FP; et al, *Clin Radiol* 1986; 37: 399
- CT appearance in hypertensive encephalopathy, Kwong YL; Yu YL; Lam KSL; et al, *Neuroradiol* 1987; 29: 215
- differential glomerular filtration rate in diagnosis of renovascular hypertension and follow-up of balloon angioplasty, Lamki L; Spence JD; Macdonald AC; et al, *Clin Nucl Med* 1986; 11: 188
- flank mass and hypertension, Pollack H; Kenney PJ; McAfee JG; et al, *AJR* 1986; 146: 67
- pediatric hypertension: approach to imaging, Diamant MJ; Stanley P; Boechat MI; et al, *Pediatr Radiol* 1986; 16: 461
- percutaneous transluminal angioplasty for renovascular hypertension, (ab), Awazu M; Shimizu M; Hojo H; et al, *Radiology* 1986; 160: 288
- percutaneous transluminal angioplasty for renovascular hypertension in arteritis: experience in China, Dong Z; Li S; Lu X, *Radiology* 1987; 162: 477
- the 1988 report of the Joint National Committee on Detection, Evaluation, and Treatment of high blood pressure, (ab), 1988 Joint National Committee, *Radiology* 1988; 169: 291
- transient hypertension after percutaneous transluminal renal artery angioplasty, Svigals PJ; McLean GK; Davis JE; Meranze SG; Burke DR, *Radiology* 1986; 161: 293
- venous digital subtraction angiography in the evaluation of renovascular hypertension, (ab), Pistolesi GF; Maso R; Filosto L; et al, *Radiology* 1986; 158: 574
- Hyperthermia**
- adriamycin resistance, heat resistance and radiation response in Chinese hamster fibroblasts, Wallner K; Li GC, *Int J Radiat Oncol Biol Phys* 1986; 12: 829
- analytical modelling of ultrasonically induced tissue heating, Lizzi FL; Ostrogoniksky M, *Ultrasound Med Biol* 1987; 13: 607
- automated temperature scanning for hyperthermia treatment monitoring, Engler MJ; Dewhirst MW; Winget JM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1377
- biochemical and cellular effects of radiofrequency induced interstitial hyperthermia on normal canine liver, Ries MC; Milligan AJ; Merrick HW; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 529
- bladder cooling in patients treated with regional hyperthermia of the pelvis using an annular phased array, Kapp DS; Prionas SD; Fessenden P; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1307
- capacitive heating of phantom and human tumors with an 8 MHz radiofrequency applicator (thermotron RF-8*), Song CW; Rhee JG; Lee CKK; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 365
- combination of surgery, irradiation, and hyperthermia in treatment of recurrences of malignant tumors, Emami B; Perez CA, *Int J Radiat Oncol Biol Phys* 1987; 13: 611
- comparison of the heat and radiation sensitivity of rodent and human derived cells cultured *in vitro*, Roizin-Towle L; Pirro JP; McDowell J, *Int J Radiat Oncol Biol Phys* 1986; 12: 647
- complications resulting from spurious fields produced by a microwave applicator used for hyperthermia, Scott RS; Chou C-K; McCumber M; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1883

- correlations of thermal washout rate, steady state temperatures, and tissue type in deep seated recurrent or metastatic tumors. Samulski TV; Fessenden P; Valdagni R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 907
- demonstration of enhanced temperature elevation due to nonlinear propagation of focussed ultrasound in dog's thigh in vivo. Hynynen K. *Ultrasound Med Biol* 1987; 13: 85
- differential kinetics of thermal resistance (thermotolerance) between murine normal and tumor tissues. Urano M; Kahn J. *Int J Radiat Oncol Biol Phys* 1986; 12: 89
- distribution of power and heat produced by interstitial microwave antenna arrays: I. comparative phantom and canine studies. Denman DL; Elson HR; Lewis GC Jr; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 127
- distribution of power and heat produced by interstitial microwave antenna arrays: II. the role of antenna spacing and insertion depth. Denman DL; Foster AE; Lewis GC Jr; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 537
- early experience with combined interstitial hyperthermia and brachytherapy. Dunlop PRC; Dickinson RJ; Hand JW; et al. *Br J Radiol* 1986; 59: 525
- effect of field shaping on thermal pattern produced by external microwave. Spanos WJ Jr; Thompson J. *Int J Radiat Oncol Biol Phys* 1988; 15: 421
- effect of GSH depletion on thermal radiosensitization. Freeman ML; Meredith MJ. *Int J Radiat Oncol Biol Phys* 1987; 13: 1371
- effect of hyperthermia on the early and late appearing mouse foot reactions and on the radiation carcinogenesis: effect on the early and late appearing reactions. Urano M; Kenton LA; Kahn J. *Int J Radiat Oncol Biol Phys* 1988; 15: 159
- electromagnetically induced focused heat in the treatment of surgically created aneurysm models. Yamanashi WS; Patil AA; Valentine JL; et al. *Invest Radiol* 1987; 22: 574
- heat, drugs, and radiation given in combination is palliative for unresectable esophageal cancer. Kai H; Matsufuji H; Okudaira Y; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1147
- heating deep seated eccentrically located tumors with an annular phased array system: comparative clinical study using two annular array operating configurations. Samulski TV; Kapp DS; Fessenden P; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 83
- hyperthermia in combination with definitive radiation therapy: results of a phase I/II RTOG study. Scott R; Gillespie B; Perez CA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 711
- hyperthermia study of differential sensitivity and thermotolerance in AKR murine leukemia and normal bone marrow cells. Robins HI; Steeves RA; Schmitt CL; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 979
- hyperthermia thermometry evaluation: criteria and guidelines. Shrivastava PN; Saylor TK; Matloubieh AY; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 327
- hyperthermia trials. Arcangeli G; Overgaard J; Gonzalez DG; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: S93
- hyperthermic therapy of deep seated tumors: comparison of the heating efficiencies of an annular array applicator and a capacitively coupled radiofrequency system. Egawa S; Tsukiyama I; Akine Y; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 521
- impact of hyperthermic regional perfusion therapy on cell metabolism of malignant melanoma monitored by ³¹P MR spectroscopy. Semmler W; Gademann G; Schlag P; et al. *Magn Res Imag* 1988; 6: 335
- interaction of bleomycin, hyperthermia and a calmodulin inhibitor (trifluoperazine) in mouse tumor cells. Smith PJ; Mircheva J; Bleehen NM. *Int J Radiat Oncol Biol Phys* 1986; 12: 1363
- interaction of interstitial photodynamic therapy and interstitial hyperthermia in a rat rhabdomyosarcoma—a pilot study. Levendag PC; Marijnissen HPA; de Ru VJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 139
- interaction of irradiation and microwave-induced hyperthermia in the Dunning R3327G prostatic adenocarcinoma model. Gottlieb CF; Seibert GB; Block NL. *Radiology* 1988; 169: 243
- interstitial microwave hyperthermia in a canine brain model. Sneed PK; Matsumoto K; Stauffer PR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1887
- intracatheter hyperthermia and iridium-192 radiotherapy in the treatment of bile duct carcinoma. Wong JYC; Vora NL; Chou CK; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 353
- investigation into the combined effects of X-irradiation and 3MHz ultrasound-induced hyperthermia on pig skin, ter Haar G; Hopewell JW. *Int J Radiat Oncol Biol Phys* 1988; 14: 989
- is the community radiation oncologist ready for clinical hyperthermia? Hornback NB. *Radiographics* 1987; 7: 139
- is the division of heated tissue into temperature equivalent zones suitable for estimation of tumor blood flow from thermal clearance curves? Groebe K; Kallinowski F; Vaupel P. *Int J Radiat Oncol Biol Phys* 1987; 13: 917
- measurement of blood flow using temperature decay: effect of thermal conduction. Sandhu TS. *Int J Radiat Oncol Biol Phys* 1986; 12: 373
- microangiographic and histologic analysis of the effects of hyperthermia on murine tumor vasculature. Nishimura Y; Hiraoka M; Jo S; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 411
- microwave hyperthermia as an adjunct to radiation therapy: summary experience of 256 multifraction treatment cases. Bicher HI; Wolfstein RS; Lewinsky BS; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1667
- MR imaging of laser-tissue interactions. Jolesz FA; Bleier AR; Jakob P; Ruenzel PW; Huttli K; Jako GJ. *Radiology* 1988; 168: 249
- new design of microwave interstitial applicators for hyperthermia with improved treatment volume. Lee O-J; O'Neill MJ; Lam K-S; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2003
- oncology/radiation therapy: RSNA '87 meeting notes. Sagerman RH. *Radiology* 1988; 166: 926
- pilot study of whole body hyperthermia and local irradiation for advanced non-small cell lung cancer confined to the thorax. Robins HI; Longo WL; Steeves RA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 427
- predictive assay for human tumor cellular response to hyperthermia using dansyl lysine staining and flow cytometry. Woo SY; Rice GC; Kapp DS; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 361
- radical radiation alone versus radical radiation plus microwave hyperthermia for N₃ (TNM-UICC) neck nodes: a prospective randomized clinical trial. Valdagni R; Amichetti M; Pani G. *Int J Radiat Oncol Biol Phys* 1988; 15: 13
- regional hyperthermia—assessment of tolerance to treatment. Pilepich MV; Myerson RJ; Emami BN; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 347
- regional hyperthermia combined with blockade of the hepatic arterial blood flow by degradable starch microspheres in pigs. Akuta K; Hiraoka M; Jo S. *Int J Radiat Oncol Biol Phys* 1987; 13: 239
- regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice. Nathanson SD; Haas GP; Bobrowski R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 243
- resident award essay: effect of temperature on blood flow and hypoxic fraction in a murine fibrosarcoma. Willett CG; Urano M; Suit HD; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1309
- response of canine oral carcinomas to heat and radiation. Gillette EL; McChesney SL; Dewhirst MW; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1861
- response of human tumor blood flow to local hyperthermia. Waterman FM; Nerlinger RE; Moylan DJ III; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 75
- reversible injury after mild hyperthermia. Stone HB; Harding RP. *Int J Radiat Oncol Biol Phys* 1986; 12: 823
- specific absorption rate and tissue temperature in local hyperthermia. Griffiths H; Ahmed A; Smith CW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 199
- stability of heating temperature on cytotoxicity. Lin P-S; Wu A; Ho K-C. *Int J Radiat Oncol Biol Phys* 1987; 13: 1869
- study of heat and radiation response of a malignant, melanin-producing cell line derived from C3H 10T1/2 cells transformed in culture by radiation. Rasphorst GP; Vadasz J; Azzam EI. *Int J Radiat Oncol Biol Phys* 1986; 12: 2151
- suppression of growth of 7,12-dimethylbenzanthracene-induced mammary carcinomas in female rats by repeated whole-body hyperthermia (41–42°C). Hill RW; Welsh CW. *Int J Radiat Oncol Biol Phys* 1988; 14: 337
- synergism between hyperthermia and ionising radiation. Holt JAG; Stanford RW. *Br J Radiol* 1986; 59: 795
- theoretical comparison of the temperature distributions produced by three interstitial hyperthermia systems. Mechling JA; Strohschein JW. *Int J Radiat Oncol Biol Phys* 1986; 12: 1137
- thermal enhancement of radiation damage in previously irradiated mouse intestine. Hume SP; Marigold JCL. *Br J Radiol* 1986; 59: 53
- thermochemotherapy (combined cyclophosphamide and hyperthermia) with or without hyperglycemia as an adjuvant to radiotherapy. Urano M; Kahn J; Kenton LA. *Int J Radiat Oncol Biol Phys* 1986; 12: 45
- tumor response to thermoradiation therapy: use of CT in evaluation. Hiraoka M; Akuta K; Nishimura Y; Nagata Y; Jo S; Takahashi M; Abe M. *Radiology* 1987; 164: 259
- ultrasonic tissue characterization and histopathology in tumor xenografts following ultrasonically induced hyperthermia. Silverman RH; Coleman DJ; Lizzi FL; et al. *Ultrasound Med Biol* 1986; 12: 639
- use of dansyl lysine to assess heat damage and thermotolerance of normal tissues. Sekiguchi R; Rice GC; Hahn GM. *Int J Radiat Oncol Biol Phys* 1988; 14: 983
- ## Hyperthyroidism
- See Thyroid, hyperthyroidism
- ## Hypogammaglobulinemia
- See Gamma globulins
- ## Hypoparathyroidism
- See Parathyroid, hypoparathyroidism
- ## Hypopituitarism
- See Pituitary, hypopituitarism
- ## Hypotension
- life-threatening hypotensive reactions to contrast media administration: comparison of pharmacologic and fluid therapy. vanSonnenberg E; Neff CC; Pfister RC. *Radiology* 1987; 162: 15
- pharmacologic treatment of contrast media reactions. Addlestone RB; Roach AC. *Radiology* 1987; 165: 876
- pharmacologic treatment of contrast media reactions: reply. Neff CC; Pfister RC. *Radiology* 1987; 165: 876
- radiologist's role in treating reactions to contrast media. Gold RP. *Radiology* 1988; 169: 875
- radiologist's role in treating reactions to contrast media: reply. vanSonnenberg E; Neff CC; Pfister RC. *Radiology* 1988; 169: 876
- recognition of hypotensive shock on abdominal computed tomography. Radin DR; Boswell WD Jr; Ralls PW; et al. *CT* 1986; 10: 299
- ## Hypothalamus
- gallium-67 breast uptake in a patient with hypothalamic granuloma (sarcoid). Vazquez R; Oates E; Sarno RC; et al. *J Nucl Med* 1988; 29: 118
- histiocytosis-X of the hypothalamus: case report and literature review. Jinkins JR. *Comput Radiol* 1987; 11: 181
- hypothalamic-pituitary dysfunction in primary empty sella syndrome in childhood. (ab). Shulman DI; Martinez CR; Bercu BB; et al. *Radiology* 1986; 160: 861

MR appearance of hypothalamic hamartoma, Hahn FJ; Leibrock LG; Huseman CA; et al, *Neuroradiol* 1988; 30: 65
 neuroradiologic findings of hypothalamic hamartoma with emphasis on computed tomography, Nakagawa N; Takahashi M; Kohrogi Y; et al, *CT* 1986; 10: 77
 symptomatic hypothalamic-pituitary dysfunction in nasopharyngeal carcinoma patients following radiation therapy: a retrospective study, Lam KSL; Ho JHC; Lee AWM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1343

Hypoxia

advances in hypoxiaradiotherapy, Neumeister K; Revesz L, *Int J Radiat Oncol Biol Phys* 1987; 13: 427
 computed tomography abnormalities in hanging, Bianco F; Floris R, *Neuroradiol* 1987; 29: 297
 cytotoxicity of RSU 1069 in spheroids and murine tumors, Olive PL; Durand RE; Chaplin DJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1361
 effect of hypoxia on thallium kinetics in cultured chick myocardial cells, Friedman BJ; Behn R; Friedman JP, *J Nucl Med* 1987; 28: 1453
 evaluation of oxygen diffusion distances in human breast cancer xenografts using tumor-specific *in vivo* data: role of various mechanisms in the development of tumor hypoxia, Groebe K; Vaupel P, *Int J Radiat Oncol Biol Phys* 1988; 15: 691
in vivo ³¹P-MR spectroscopy of the liver in the infant rabbit to study the effect of hypoxia on the phosphorus metabolites and intracellular pH, Schmidt HC; Gooding CA; James TL, *Invest Radiol* 1986; 21: 156
in vivo ³¹P NMR study of cerebral hypoxic hypoxia in rats, Litt L; Gonzalez-Mendez R; Weinstein PR; et al, *Magn Res Med* 1986; 3: 619
 periventricular leukomalacia: radiologic diagnosis, Flodmark O; Roland EH; Hill A; Whitfield MF, *Radiology* 1987; 162: 119
 resident award essay: effect of temperature on blood flow and hypoxic fraction in a murine fibrosarcoma, Willett CG; Urano M; Suit HD; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1309

Hysterectomy

computed tomography of vaginal cuff cyst: late complication of hysterectomy, Davis MC; Fishman EK; Cameron JL; et al, *JCAT* 1986; 10: 354
 hysterectomy and adjuvant irradiation for pathologic stage III adenocarcinoma of the endometrium, Stokes S; Bedwinek J; Perez CA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 335
 treatment of stage I adenocarcinoma of the endometrium by hysterectomy and adjuvant irradiation: retrospective analysis of 304 patients, Stokes S; Bedwinek J; Kao M-S; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 339

Hysterosalpingography

See Uterus, radiography

I

Ileostomy

enteroliths in a continent ileostomy, Fox ER; Chung T; Laufer I, *AJR* 1988; 150: 105
 retrograde examination of the small bowel in patients with an ileostomy, Zagoria RJ; Gelfand DW; Ott DJ, *Gastrointest Radiol* 1986; 11: 97

Ileum

balloon dilatation of stricture of the ileal loop after ileal conduit diversion, Hildell J, *AJR* 1987; 149: 993
 computed tomography of the ileocecal region, Silverman PM; Kelvin FM; Baker ME; et al, *Comput Med Imag Graph* 1988; 12: 293
 retrograde ileography: value of glucagon, Monseim LH; Halpert RD; Harris ED; Feczko PJ, *Radiology* 1986; 161: 558
 small bowel enema in the patient with an ileostomy, Kay VJ; Nolan DJ, *Clin Radiol* 1988; 39: 418

technetium-99m pertechnetate visualization of ileal duplication, Flynn BM; Summerville DA; Treves ST, *Clin Nucl Med* 1987; 12: 880
 technique and evaluation of the double contrast ileostomy enema, White MM; Bartram CI, *Clin Radiol* 1987; 38: 621

Ileum, diseases

value of the peroral pneumocolon in children, Stringer DA; Sherman PM; Liu P; et al, *AJR* 1986; 146: 763

Ileum, diverticula

acquired jejunoileal diverticular disease: subject review, Maglinte DDT; Chernish SM; DeWeese R; Kelvin FM; Brunelle RL, *Radiology* 1986; 158: 577

Ileum, neoplasms

CT findings in a case of polypoid-like metastasis in the ileum from extracranial osteosarcoma, Donoso L; Valls R; Montserrat E; et al, *Eur J Radiol* 1988; 8: 100
 multiple ileal carcinoid tumours, Jeffree MA; Nolan DJ, *Br J Radiol* 1987; 60: 402
 primary adenocarcinoma of the terminal ileum simulating Crohn's disease, Gallego MS; Pulpeiro JR; Arenas A; et al, *Gastrointest Radiol* 1986; 11: 355

Ilium

case report 342, Schlesinger AE; Glass RBJ; Young S; et al, *Skeletal Radiol* 1986; 15: 57
 case report 493, Roberts JL; Magid D; Miller NR; et al, *Skeletal Radiol* 1988; 17: 375
 traumatic closed iliac bone biopsy defect simulating involvement by Hodgkin's disease, Libson E; Fields SJ; Uzieli B; et al, *Comput Med Imag Graph* 1988; 12: 187
Ilium, abnormalities
 case report 385, Loevinger E; Schabel SI; Davis CS III; et al, *Skeletal Radiol* 1986; 15: 492
 computed tomography of "iliac horns" in hereditary osteo-onychodysplasia (nail-patella syndrome), Reed D; Nichols DM, *Pediatr Radiol* 1987; 17: 168

Ilium, CT

computed tomography of "iliac horns" in hereditary osteo-onychodysplasia (nail-patella syndrome), Reed D; Nichols DM, *Pediatr Radiol* 1987; 17: 168

Images, analysis

algorithm for the detection of fine clustered calcifications on film mammograms, Fam BW; Olson SL; Winter PF; Scholz FJ, *Radiology* 1988; 169: 333
 breast calcifications: analysis of imaging properties, Olson SL; Fam BW; Winter PF; Scholz FJ; Lee AK; Gordon SE, *Radiology* 1988; 169: 329
 Mach bands in mammography, Gordenne WH; Malchair FL, *Radiology* 1988; 169: 55
 toward automated image analysis: future possibilities in historical perspective, Ackerman L, *Radiol Clin North Am* 1986; 24: 79

Images, artifact

double images in plain film radiography: motion artifact, Marinelli DL; Miller WT, *AJR* 1986; 147: 1312
 NaI(Tl) camera crystals: imaging capabilities of hydrated regions on the crystal surface, Keszthelyi-Landori S, *Radiology* 1986; 158: 823
 oxygen reservoir rebreathing mask simulating pneumothorax, Shapiro MP; Gerzof SG, *Radiology* 1987; 164: 743
 radiation-induced phosphorescence from thulium-activated yttrium tantalate screens, Shearer DR; Rowe LE, *AJR* 1987; 148: 1023
 respiratory effects in two-dimensional Fourier transform MR imaging, Axel L; Summers RM; Kressel HY; Charles C, *Radiology* 1986; 160: 795
 use of cerebrospinal fluid gating to improve T2-weighted images, part I. the spinal cord, Enzmann DR; Rubin JB; Wright A, *Radiology* 1987; 162: 763
 use of cerebrospinal fluid gating to improve T2-weighted images, part II. temporal lobes, basal ganglia, and brain stem, Enzmann DR; Rubin JB; O'Donohue J; Griffin C; Drace J; Wright A, *Radiology* 1987; 162: 768

Images, degradation

lag in radiographic imaging systems: simple methods for evaluation, Shearer DR; Moore MM, *Radiology* 1986; 159: 259

pelvis imaging with MR: technique for improvement, Winkler ML; Hricak H, *Radiology* 1986; 158: 848

Images, display

computer and stereotactic surgery in neurological surgery, Jenny AB; Biondetti PR; Layton B; et al, *Comput Med Imag Graph* 1988; 12: 75
 development of a useful picture archiving and communications system, Spackman TJ; Bensman KW, *AJR* 1987; 148: 1025
 digital chest radiography: effect on diagnostic accuracy of hard copy, conventional video, and reversed gray scale video display formats, MacMahon H; Metz CE; Doi K; Kim T; Giger ML; Chan H-P, *Radiology* 1988; 168: 669
 digital image management networks: current status, Templeton AW; Cox GG; Dwyer SJ III, *Radiology* 1988; 169: 193
 digital radiology imaging system: description and clinical evaluation, Templeton AW; Dwyer SJ III; Cox GG; et al, *AJR* 1987; 149: 847
 displays in radiology: past, present, and future, Seeley GW; McNeill K; Dallas WJ, *Radiographics* 1987; 7: 1261
 effective presentation of medical images on an electronic display station, Pizer SM; Johnston RE; Rogers DC; Beard DV, *Radiographics* 1987; 7: 1267
 effect of a digital imaging network on physician behavior in an intensive care unit, De Simone DN; Kundel HL; Aronson RL; Seshadri SB; Brikman IS; Khalsa SS; Davey MJ; Brisson NE, *Radiology* 1988; 169: 41
 hinged shutter for image alternator, Stark P; Smith DC, *Radiology* 1988; 167: 561
 improved fluoroscopic and cine-radiographic display with pulsed exposures and progressive TV scanning, Seibert JA, *Radiology* 1986; 159: 277
 on the work of the radiologist—separation of image capture from image display, Balter S, *Acta Radiol* 1988; 29: 257
 rapid slide reproduction of text and radiographs, Towers MJ; Daly B, *Br J Radiol* 1987; 60: 493
 techniques for the 3-D biomedical data, Goldwasser SB; Reynolds RA; Talton DA; et al, *Comput Med Imag Graph* 1988; 12: 1
 visual perception and image display terminals, Kundel HL, *Radiol Clin North Am* 1986; 24: 69

Images, enhancement

automatic digital contrast enhancement of radiotherapy films, Sherouse GW; Rosenman J; McMurry HL; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 801
 computer applications and digital imaging: RSNA '87 meeting notes, Aronson RL; Dwyer SJ III; Jost RG, *Radiology* 1988; 166: 925
 computer enhancement of digital gray-scale fluorography images, Cowen AR; Hartley P; Workman A, *Br J Radiol* 1988; 61: 492
 hinged shutter for image alternator, Stark P; Smith DC, *Radiology* 1988; 167: 561
 improved fluoroscopic and cine-radiographic display with pulsed exposures and progressive TV scanning, Seibert JA, *Radiology* 1986; 159: 277
 pelvis imaging with MR: technique for improvement, Winkler ML; Hricak H, *Radiology* 1986; 158: 848
 portal radiographs: digital enhancement of contrast, Powlis WD; Brikman I; Seshadri SB; Bloch P, *Radiology* 1988; 169: 839
 subtle lung cancers: impact of edge enhancement and gray scale reversal on detection with digitized chest radiographs, Oestmann JW; Kushner DC; Bourgoin PM; Llewellyn HJ; Mockbee BW; Greene R, *Radiology* 1988; 167: 657
 visual contrast enhancement with a patterned overlay, Kunin M; Phillips JJ; Schwarz G, *Radiology* 1988; 167: 271

Images, interpretation

balance between creativity and anatomic correlation in image interpretation, Drayer BP, *Radiology* 1988; 168: 214
 clinical trial of digital teleradiology in the practice of emergency room radiology, Kageitsu NJ; Zulauf DRP; Ablow RC, *Radiology* 1987; 165: 551

Images, interpretation

- effect of training and experience on radiologic diagnostic performance in midfacial trauma, Kinnunen J; Göthlin JH; Tötterman S. *Acta Radiol* 1988; 29: 83
- effects of clinical information on film interpretation: another perspective, Swenson RG. *Invest Radiol* 1988; 23: 56
- enhanced interpretation of diagnostic images, Getty DJ; Pickett RM; D'Orsi CJ; et al. *Invest Radiol* 1988; 23: 240
- excretory urography in the emergency department: utility of teleradiology, DiSantis DJ; Cramer MS; Scatarige JC. *Radiology* 1987; 164: 363
- gaining insight: improved images enhance understanding, Seltzer SE; Judy PF. *Radiographics* 1987; 7: 1221
- hinged shutter for image alternator, Stark P; Smith CD. *Radiology* 1988; 167: 561
- lung lesions: correlation between viewing time and detection, Oestmann JW; Greene R; Kushner DC; Bourgoin PM; Linetsky L; Llewellyn HJ. *Radiology* 1988; 166: 451
- Mach bands in mammography, Gordenne WH; Malchir FL. *Radiology* 1988; 169: 55
- subtle lung cancers: impact of edge enhancement and gray scale reversal on detection with digitized chest radiographs, Oestmann JW; Kushner DC; Bourgoin PM; Llewellyn HJ; Mockbee BW; Greene R. *Radiology* 1988; 169: 657
- visualization of diagnostic images, Ginsburg AP. *Radiographics* 1987; 7: 1251
- Images, processing**
- adaptive histogram equalization in digital radiography of destructive skeletal lesions, Braunstein EM; Capek P; Buckwalter K; Bland P; Meyer CR. *Radiology* 1988; 166: 883
- algorithm for the detection of fine clustered calcifications on film mammograms, Fam BW; Olson SL; Winter PF; Scholz FJ. *Radiology* 1988; 169: 333
- bone mineral measurement: automated determination of midvertebral CT section, Kalender WA; Brestowsky H; Felsenberg D. *Radiology* 1988; 168: 219
- breast calcifications: analysis of imaging properties, Olson SL; Fam BW; Winter PF; Scholz FJ; Lee AK; Gordon SE. *Radiology* 1988; 169: 329
- clinical evaluation of a medical image management system for chest images, Arenson RL; Seshadri SB; Kundel HL; et al. *AJR* 1988; 150: 55
- compression of radiological images with 512, 1,024, and 2,048 matrices, Lo S-C; Huang HK. *Radiology* 1986; 161: 519
- development of a useful picture archiving and communications system, Spackman TJ; Bensman KW. *AJR* 1987; 148: 1025
- effect of varying high pass filter parameters on the detectability of isolated pulmonary nodules in digitized chest images, Foley WD; Wilson CR; San Dretto M. *Invest Radiol* 1986; 21: 305
- eigenimage filtration of intravenous digital subtraction angiograms of the heart: work in progress, Burke MW; Windham JP; Thrall JH; Shetty PC; Brymer JF. *Radiology* 1987; 164: 267
- evaluation of dry silver hard copies in digital radiography, Trefler M; Yrizarry JM. *AJR* 1987; 149: 853
- histogram-directed processing of digital chest images, McAdams HP; Johnson GA; Suddarth SA; et al. *Invest Radiol* 1986; 21: 253
- pneumothorax and other lung diseases: effect of altered resolution and edge enhancement on diagnosis with digitized radiographs, Goodman LR; Foley WD; Wilson CR; Tikofsky RS; Hoffmann RG. *Radiology* 1988; 167: 83
- sensitometric control of roentgen film processors, Forsberg H. *Acta Radiol* 1987; 28: 339
- three-dimensional reconstruction of the human body, Fishman EK; Drebin RA; Hruban RH; et al. *AJR* 1988; 150: 1419
- volume calculation by means of SPECT: analysis of imaging acquisition and processing factors, Lee KH; Liu HTH; Chen DCP; Siegel ME; Ballard S. *Radiology* 1988; 167: 259

Images, quality

- analysis of wasted x-ray films: experience in two Kuwait hospitals, Mustafa AA; Vasisht CM; Sumanasekara SJ. *Br J Radiol* 1987; 60: 513

- anthropomorphic radiologic phantoms, Yaffe MJ; Johns PC; Nishikawa RM; Mawdsley GE; Caldwell CB. *Radiology* 1986; 158: 550
- digital projection radiography of the chest, Kundel HL. *Radiology* 1986; 158: 274
- effect of radiologist supervision on technician performance and image quality in radiography of middle face trauma, Kinnunen J; Göthlin JH; Hopfner-Hallikainen D. *Eur J Radiol* 1988; 8: 2
- image quality, diagnostic certainty, and accuracy: comparison of conventional and digital urograms, Fajardo LL; Hillman BJ. *Urol Radiol* 1988; 10: 72
- image quality of mammographic systems, Karila KTK. *Eur J Radiol* 1987; 7: 194
- Nal(Tl) camera crystals: imaging capabilities of hydrated regions on the crystal surface, Keszthelyi-Landori S. *Radiology* 1986; 158: 823
- set of x-ray test objects for image quality control in digital subtraction fluorography. I: design considerations, Cowen AR; Haywood JM; Workman A; et al. *Br J Radiol* 1987; 60: 1001
- set of x-ray test objects for image quality control in digital subtraction fluorography. II: application and interpretation of results, Cowen AR; Workman A; Haywood JM; et al. *Br J Radiol* 1987; 60: 1011
- storage phosphor radiographs vs conventional films: interpreters' perceptions of diagnostic quality, Fuhrman CR; Gur D; Good B; et al. *AJR* 1988; 150: 1011

Images, storage and retrieval

- ACR-NEMA digital imaging and communications standards: minimum requirements, Wang Y; Best DE; Hoffman JG; Horii SC; Lehr JL; Lodwick GS; Morse RR; Murphy LL; Nelson OL; Perry J; Thompson BG; Zielonka JS. *Radiology* 1988; 166: 529
- automation of film library functions, Bauman RA. *Radiol Clin North Am* 1986; 24: 11
- clinical evaluation of a medical image management system for chest images, Arenson RL; Seshadri SB; Kundel HL; et al. *AJR* 1988; 150: 55
- clinical evaluation of a radiologic picture archiving and communication system for a coronary care unit, Cho PS; Huang HK; Tillisch J; et al. *AJR* 1988; 151: 823
- compression of radiological images with 512, 1,024, and 2,048 matrices, Lo S-C; Huang HK. *Radiology* 1986; 161: 519
- computer applications and digital imaging: RSNA '87 meeting notes, Arenson RL; Dwyer SJ III; Jost RG. *Radiology* 1988; 166: 925
- computerized filing system for radiology teaching cases, Siostrom CL; Black WC. *AJR* 1987; 149: 191
- design and implementation of a picture archiving and communication system for pediatric radiology, Taira RK; Mankovich NJ; Boechat MI; et al. *AJR* 1988; 150: 1117
- digital image management: networking, display, and archiving, Cox GG; Templeton AW; Dwyer SJ III. *Radiol Clin North Am* 1986; 24: 37
- digital image management networks: current status, Templeton AW; Cox GG; Dwyer SJ III. *Radiology* 1988; 169: 193
- digital radiology imaging system: description and clinical evaluation, Templeton AW; Dwyer SJ III; Cox GG; et al. *AJR* 1987; 149: 847
- effect of a digital imaging network on physician behavior in an intensive care unit, De Simone DN; Kundel HL; Arenson RL; Seshadri SB; Brikman IS; Khalsa SS; Davey MJ; Brisson NE. *Radiology* 1988; 169: 41
- medical image management, James AE Jr; Carroll F; Pickens DR III; Chapman JC; Robinson RR; Pendergrass HP; Zaner RM. *Radiology* 1986; 160: 847
- operational radiologic image archive on digital optical disks, Mankovich NJ; Taira RK; Cho PS; Huang HK. *Radiology* 1988; 167: 139
- quality study of 35 mm, miniaturization of full-size radiographic film, Göthlin JH; Gadeholt G. *Eur J Radiol* 1988; 8: 62

- radiology reporting, Jost RG. *Radiol Clin North Am* 1986; 24: 19
- review of optical storage technology for archiving digital medical images, Hindel R. *Radiology* 1986; 161: 257
- technique for making teaching film films, DeMocker JC; Graham D. *J Ultrasound Med* 1986; 5: 601

Images, transmission

- ACR-NEMA digital imaging and communications standards: minimum requirements, Wang Y; Best DE; Hoffman JG; Horii SC; Lehr JL; Lodwick GS; Morse RR; Murphy LL; Nelson OL; Perry J; Thompson BG; Zielonka JS. *Radiology* 1988; 166: 529
- clinical evaluation of a medical image management system for chest images, Arenson RL; Seshadri SB; Kundel HL; et al. *AJR* 1988; 150: 55
- clinical trial of digital teleradiology in the practice of emergency room radiology, Kagesu NJ; Zulauf DRP; Ablow RC. *Radiology* 1987; 165: 551
- development of a useful picture archiving and communications system, Spackman TJ; Bensman KW. *AJR* 1987; 148: 1025
- digital image management networks: current status, Templeton AW; Cox GG; Dwyer SJ III. *Radiology* 1988; 169: 193
- effect of a digital imaging network on physician behavior in an intensive care unit, De Simone DN; Kundel HL; Arenson RL; Seshadri SB; Brikman IS; Khalsa SS; Davey MJ; Brisson NE. *Radiology* 1988; 169: 41
- excretory urography in the emergency department: utility of teleradiology, DiSantis DJ; Cramer MS; Scatarige JC. *Radiology* 1987; 164: 363
- medical image management, James AE Jr; Carroll F; Pickens DR III; Chapman JC; Robinson RR; Pendergrass HP; Zaner RM. *Radiology* 1986; 160: 847
- teleradiology, Gitlin JN. *Radiol Clin North Am* 1986; 24: 55

Immunity

- bacterial esophagitis in immunocompromised patients, (ab), Walsh TJ; Belitsos NJ; Hamilton SR. *Radiology* 1987; 162: 290
- bile duct dilatation and immunodeficiency in children. report of four cases, (ab), Garel L; Brunelle F; Fischer A; et al. *Radiology* 1986; 158: 283
- classification system for human T-lymphotropic virus type III/lymphadenopathy-associated virus infections, (ab), Centers for Disease Control. *Radiology* 1987; 163: 586
- computed tomography findings in a case of hypogammaglobulinemia, Norton KI; Som PM. *CT* 1986; 10: 41
- demonstration of a cold abscess by gallium-67 imaging in a patient with job syndrome, Jaramillo D; Kim EE. *AJR* 1986; 147: 610
- effects of radiotherapy on the immune system of patients with nasopharyngeal carcinoma, De-en H; Xiang-song L; Jie H; et al. *Br J Radiol* 1988; 61: 305
- fungal microabscesses in immuno-suppressed patients—CT appearances, Fitzgerald EJ; Coblenz C. *J Canad Assoc Radiol* 1988; 39: 10
- fungal splenic abscesses in the immunosuppressed patient: correlation of imaging modalities, Vasquez TE; Evans DG; Schiffman H; et al. *Clin Nucl Med* 1987; 12: 36
- hepatic abscesses in the immunocompromised patient: role of CT in detection, diagnosis, management, and follow-up, Francis IR; Glazer GM; Amendola MA; et al. *Gastrointest Radiol* 1986; 11: 257
- immunosuppression prior to marrow transplantation for sensitized aplastic anemia patients: comparison of TLI with TBI, Shank B; Brochstein JA; Castro-Malaspina H; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1133
- low-dose-rate total lymphoid irradiation: a new method of rapid immunosuppression, Blum JE; De Silva SM; Drachman DB; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 547
- role of imaging and interventional techniques in the diagnosis of respiratory disease in the immunocompromised host, Ogibene FP; Pass HI; Roth JA; et al. *J Thorac Imag* 1988; 3-2: 1

- septic arthritis in an immunocompromised patient, Dejak D; Serota AE; Nishiyama H, *Clin Nucl Med* 1987; 12: 146
- visualization of the spleen with radiophosphates in severe combined immunodeficiency disease, Charron M; Rosenthal L, *Clin Nucl Med* 1988; 13: 339
- Immunoglobulins**
See Gamma globulins
- Impotence**
assessment of impotence with cavernosography, Friedenberg RM, *Radiology* 1986; 161: 842
- cavernosal venocclusive insufficiency in male impotence: evaluation of degree and location, Bookstein JJ, *Radiology* 1987; 164: 175
- cavernosography in conjunction with artificial erection for evaluation of venous leakage in impotent men, Malhotra CM; Balko A; Wincze JP; Bansal S; Susset JG, *Radiology* 1986; 161: 799
- color Doppler analysis of penile arteries in impotence, Krut RH; Giesbers AAGM, *Radiology* 1988; 169: 283
- digital subtraction dynamic cavernosography, Hartnell GG; Mulcahy MJ; Kiely EA; et al, *Br J Radiol* 1988; 61: 679
- dynamic corpus cavernosography: effect of papaverine injection, Puyau FA; Lewis RW; Balkin P; Kaack MB; Hirsch A, *Radiology* 1987; 164: 179
- erectile dysfunction caused by venous leakage: treatment with detachable balloons and coils, Courtheoux P; Maiza D; Henriot J-P; Vaislic CD; Evard C; Theron J, *Radiology* 1986; 161: 807
- impotence: evaluation with cavernosography, Delcour C; Wespes E; Vandebosch G; Schulman CC; Struyven J, *Radiology* 1986; 161: 803
- nonselective angiography after intracorporeal papaverine injection: an alternative technique for evaluating penile arterial integrity, Schwartz AN; Freidenberg D; Harley JD, *Radiology* 1988; 167: 249
- penile pharmacocavernosography and cavernosometry in the evaluation of impotence, (ab), Bookstein JJ; Valji K; Parsons L; et al, *Radiology* 1987; 165: 296
- pharmacocavernosography assessment of penile arteries in patients with erectile failure, (ab), Ekelund L; Forsberg L; Olsson AM, *Radiology* 1988; 168: 884
- pharmacocavernosography in the evaluation of impotence, (ab), Bookstein JJ; Valji K; Parsons L; et al, *Radiology* 1987; 164: 883
- posttraumatic impotence: angiographic evaluation, Lurie AL; Bookstein JJ; Kessler WO, *Radiology* 1988; 166: 115
- relevance of dynamic cavernosography to the diagnosis of venous incompetence in erectile dysfunction, (ab), Forst H; van Ahlen H; Vahlensieck W, *Radiology* 1987; 165: 884
- role of spongiosography in study of penile veins, (ab), Reis H, *Radiology* 1987; 164: 589
- simplified technique of internal pudendal angiography in the investigation of impotence, St. Louis EL; Gray RR; Grossman H, *Cardiovasc Intervent Radiol* 1986; 9: 22
- ultrasonographic evaluation of Peyronie's disease, Balconi G; Angeli E; Nesi R; et al, *Urol Radiol* 1988; 10: 85
- Indium, radioactive**
artificial focal lung activity with indium-111 labeled leukocytes: technical pitfall, Simerman L; Park CH; Thakur M, *Clin Nucl Med* 1986; 11: 840
- behavior of autologous indium-111-labeled lymphocytes in patients with lymphoid cell malignancy, Hamilton D; Cowan RA; Sharma HL; et al, *J Nucl Med* 1988; 29: 485
- clinical comparison of indium-111 acetylacetone and indium-111 tropolone granulocytes, Schaeffer DS; Burt RW; Park H-M; et al, *J Nucl Med* 1986; 27: 1675
- comparison of leukocytes labeled with indium-111-2-mercaptopyridine-N-oxide and indium-111 oxine for abscess detection, Intenzo CM; Desai AG; Thakur ML; et al, *J Nucl Med* 1987; 28: 438
- comparison of several indium-111 ligands in labeling blood cells: effect of diethylpyrocyanate and CO₂, Goedemans WT; de Jong MMT, *J Nucl Med* 1987; 28: 1020
- coumadin and ¹¹¹In-labeled platelet uptake on experimental thrombi in dogs: preliminary observations, Sostman HD; Zoghbi SS; Carbo P; et al, *Invest Radiol* 1987; 22: 216
- cytotoxicity of some indium radiopharmaceuticals in mouse testes, Rao DV; Sastry KSR; Grimmond HE; et al, *J Nucl Med* 1988; 29: 375
- diagnostic significance of indium-111 granulocyte scintigraphy in febrile patients, Syrjala MT; Valtanen V; Liewendahl K; et al, *J Nucl Med* 1987; 28: 155
- diagnostic value of lung uptake of indium-111 oxine-labeled white blood cells, Segall GM; McDougall IR, *AJR* 1986; 147: 601
- donor indium-111 leukocyte scan in a nonleukopenic patient, Kolla IS; Kell M; Pettigrew R, *Clin Nucl Med* 1988; 13: 529
- effect of antibiotic therapy on the sensitivity of indium-111-labeled leukocyte scans, Datz FL; Thorne DA, *J Nucl Med* 1986; 27: 1849
- effect of chronicity of infection on the sensitivity of the In-111-labeled leukocyte scan, Datz FL; Thorne DA, *AJR* 1986; 147: 809
- effects of chelates and incubation media on platelet labeling with indium-111, Hill-Zobel RL; Gannon S; McCandless B; et al, *J Nucl Med* 1987; 28: 223
- evaluation of the utility of indium-111 oxine platelet imaging in renal transplant patients on cyclosporine, Marcus CS; Koyle MA; Darcourt J; et al, *Clin Nucl Med* 1986; 11: 834
- false positive localization of indium-111 granulocytes in colonic carcinoma, Savarymurti SH; Maltby P; Batman P; et al, *Br J Radiol* 1986; 59: 773
- gastrointestinal tract radionuclide activity on In-111 labeled leukocyte imaging: clinical significance in patients with fever of unknown origin, Datz FL; Thorne DA, *Radiology* 1986; 160: 635
- imaging of lymph node uptake after intravenous administration of indium-111 metalloporphyrins, Robinson GD Jr; Alavi A; Vaum R; et al, *J Nucl Med* 1986; 27: 239
- In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities, Magnuson JE; Brown ML; Hauser MF; Berquist TH; Fitzgerald RH; Klee GG, *Radiology* 1988; 168: 235
- In-111-labeled white blood cell uptake in noninfected closed fracture in humans: prospective study, Van Nostrand D; Abreu SH; Callaghan JJ; Atkins FB; Stoops HC; Savory CG, *Radiology* 1988; 167: 495
- In-111-labeled white blood cell uptake in noninfected closed fracture, Siddiqui AR, *Radiology* 1988; 169: 579
- In-111-labeled white blood cell uptake in noninfected closed fracture: reply, Van Nostrand D, *Radiology* 1988; 169: 580
- indium-111 labeled leukocyte imaging following hepatic artery embolization, Witte RJ; Petersen RJ; Augustine SC; et al, *Clin Nucl Med* 1986; 11: 341
- indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoaneurysms, Gilbert BR; Cerqueira MD; Vea HW; Nelp WB, *Radiology* 1986; 158: 761
- indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoaneurysms, Bauman JM; Landry AJ; Cawthon MA; Hartshorne MF, *Radiology* 1986; 161: 570
- indium-111 labeled platelet deposition following transfemoral angiography, O'Connor MK; Brennan SS; Shamik DG, *Radiology* 1986; 159: 191
- indium-111-labeled white blood cells: dosimetry in children, Gainey MA; Siegel JA; Smergel EM; et al, *J Nucl Med* 1988; 29: 689
- indium-111 leukocyte imaging: skeletal photopenic lesion, Brown ML; Hauser MF; Aznarez A; et al, *Clin Nucl Med* 1986; 11: 611
- indium 111 white blood cell scanning in the pediatric population, Williamson SL; Williamson MR; Seibert JJ; et al, *Pediatr Radiol* 1986; 16: 493
- in vivo red blood cell compatibility testing using indium-113m tropolone-labeled red blood cells, Morrissey GJ; Gravelle D; Dietz G; et al, *J Nucl Med* 1988; 29: 684
- limitations of indium-111 leukocyte scanning in febrile renal transplant patients, Sebrechts C; Biberstein M; Klein JL; et al, *AJR* 1986; 146: 823
- mechanism of ionophoric transport of indium-111 cations through a lipid bilayer membrane, Choi H-O; Hwang KJ, *J Nucl Med* 1987; 28: 91
- migratory patterns of different indium-111 labeled leukocyte populations (chiefly lymphocytes) from control and thymectomized rats, Garcia AM; Gagne GM; Ames IH; et al, *J Nucl Med* 1988; 29: 83
- misleading findings on indium-111 leukocyte images, Goodgold HM; Samuels LD, *Clin Nucl Med* 1986; 11: 392
- molecular structure of indium oxine, Green MA; Huffman JC, *J Nucl Med* 1988; 29: 417
- phase 1 immunolymphoscintigraphy with an In-111-labeled antineoplastic monoclonal antibody, Engelstad BL; Spitzer LE; Del Rio MJ; Ramos EC; Rosendorf LL; Reinhold CE; Khenigian A; Huberty JP; Corpus SW; Lee HM; Okerlund MD; Hattnar RS; Scannon PJ, *Radiology* 1986; 161: 419
- potential use of indium-111-labeled polymorphonuclear leukocytes for the detection of lung microvascular injury, Das DK; Steinberg H; Bandyopadhyay D; et al, *J Nucl Med* 1988; 29: 657
- pre-targeted immunoscintigraphy of murine tumors with indium-111-labeled bifunctional haptens, Goodwin DA; Meares CF; McCall MJ; et al, *J Nucl Med* 1988; 29: 226
- radioisotope labeled platelets in medical diagnosis, Pope CF; Sostman HD, *Invest Radiol* 1986; 21: 611
- recommended method for indium-111 platelet survival studies, International Committee for Standardization in Hematology, *J Nucl Med* 1988; 29: 564
- role of indium-111 chloride imaging in osteoid osteoma, Kumar R; Swischuk LE; Schreiber MH, *Clin Nucl Med* 1986; 11: 721
- scintigraphy with In-111-labeled monoclonal antitumor antibodies: kinetics, biodistribution, and tumor detection, Halpern SE; Haindl W; Beauregard J; Hagan P; Clutter M; Amox D; Merchant B; Unger M; Mongovi C; Bartholomew R; Jue R; Carlo D; Dillman R, *Radiology* 1988; 168: 529
- semiquantitative in vitro binding assay of indium-111-labeled monoclonal antibodies to human cancer and normal tissues, Watanabe Y; Endo K; Koizumi M; et al, *J Nucl Med* 1988; 29: 1436
- toxicity of indium-111 on the radiolabeled lymphocyte, Balaban EP; Simon TR; Frenkel EP, *J Nucl Med* 1987; 28: 229
- ultrapurification of indium-111 for radiotracer studies, Zoghbi SS; Neumann RD; Gottschalk A, *Invest Radiol* 1986; 21: 710
- uptake of ¹¹¹In-labeled leukocytes by tumor, Fortner A; Datz FL; Taylor A Jr; et al, *AJR* 1986; 146: 621
- utility of indium-111-labeled leukocyte imaging in acute calculous cholecystitis, Datz FL, *AJR* 1986; 147: 813
- Indomethacin**
case report 426, Pope TL Jr; Keats TE; de Lange EE; et al, *Skeletal Radiol* 1987; 16: 342
- Infants**
See also Infants, newborn
- Infants, cardiovascular system**
cardiac MR imaging in Pompe disease, Boxer RA; Fishman M; LaCorte MA; et al, *JCAT* 1986; 10: 857
- cerebral venous distention associated with cardiac failure in infants, Kuharik MA; Edwards MK, *AJNR* 1987; 8: 657
- chest radiography in infant cardiac allotransplantation, Toomey FB; Bailey LL; Bul RD; et al, *AJR* 1988; 150: 369
- coaxial balloon-catheter device for treatment of neonates and infants, Lasjaunias P; TerBrugghe KG; Chiu MC, *Radiology* 1986; 159: 269

- early diagnosis and medical treatment of the persistent ductus arteriosus in infants. Buhlmeyer K; Schober JG; Lorenz HP; et al. *Cardiovasc Intervent Radiol* 1986; 9: 273
- echo planar imaging of normal and abnormal connections of the heart and great arteries. Chispin A; Small P; Rutter N; et al. *Pediatr Radiol* 1986; 16: 289
- gallbladder opacification in infants following high dose angiocardiology. Markowitz RJ; Malat J; Keller MS; et al. *Pediatr Radiol* 1988; 18: 319
- hyperinflation of the lungs in infants with large left-to-right shunts. Markowitz RJ; Johnson KM; Weinstein EM. *Invest Radiol* 1988; 23: 354
- infantile intracranial aneurysm: report of a case and review of the literature. Thrush AL; Marano GD. *AJNR* 1988; 9: 903
- longitudinal trends in left ventricular cardiac output in healthy infants in the first year of life. Alverson DC; Aldrich M; Angelus P; et al. *J Ultrasound Med* 1987; 6: 519
- myocardial localization of technetium-99m MDP in an infant. Fleming JC; Pyscher TJ; Leonard JC. *Clin Nucl Med* 1986; 11: 369
- normal left atrium: appearance in children on frontal chest radiographs. Rosario Medina W; Strife JL; Dunbar JS. *Radiology* 1986; 161: 345
- role of radionuclide shunt studies in management of infants and children. Hurwitz RA; Caldwell RL; Mahony L; et al. *Clin Nucl Med* 1986; 11: 781
- sonographic recognition of idiopathic arterial calcification of infancy. Rosenbaum DM; Blumhagen JD. *AJR* 1986; 146: 249
- transsectional echo planar imaging of the heart in cyanotic congenital heart disease. Chispin A; Small P; Rutter N; et al. *Pediatr Radiol* 1986; 16: 293
- ultrasound case of the day: annual meeting 1985. Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggard AH; Maywood CM. *Radiographics* 1986; 6: 512
- venous thrombosis after cardiac catheterization in infants. Laurin S; Lundström N-R. *Acta Radiol* 1987; 28: 241

Infants, central nervous system

- accelerated myelination in early Sturge-Weber syndrome demonstrated by MR imaging. Jacoby CG; Yuh WTC; Afifi AK; et al. *JCAT* 1987; 11: 226
- atrial ventricular diverticulum: sonographic diagnosis. Karnaze MG; Shackelford GD; Abramson CL. *AJNR* 1987; 8: 721
- bilateral lesions of the putamina. Kretschmar K; Ludwig B; Kramer G; et al. *Neuroradiol* 1986; 28: 87
- chronic cerebral herniation in shunted Dandy-Walker malformation. Naidich TP; Radkowski MA; McLone DG; Leestma J. *Radiology* 1986; 158: 431
- contrast examination of cerebrospinal fluid shunt malfunction in infancy and childhood. Sweeney LE; Thomas PS. *Pediatr Radiol* 1987; 17: 177
- diagnosis of cerebral atrophy in infants by near-field cranial sonography. (ab). Fischer AQ; Azis E. *Radiology* 1987; 163: 838
- external hydrocephalus: radiologic spectrum and differentiation from cerebral atrophy. Maytal J; Alvarez LA; Elkin CM; et al. *AJNR* 1987; 8: 271
- gelatin sign: ultrasonographic evidence of cerebral necrosis in infants. (ab). Colan RV. *Radiology* 1986; 161: 576
- hemimegalencephaly: MR imaging in five children. Kalifa GL; Chiron C; Sellier J; Demange P; Ponsot G; Lalonde G; Robain O. *Radiology* 1987; 165: 29
- infantile sudanophilic leukodystrophy: computed tomography demonstration. Sano N; Nagao H; Morimoto M; et al. *Neuroradiol* 1986; 28: 170
- management of hydrocephalus in infancy: use of acetazolamide and furosemide to avoid cerebrospinal fluid shunts. (ab). Shinnar S; Gammon K; Bergman EW Jr; et al. *Radiology* 1986; 158: 282
- MR evaluation of early myelination patterns in normal and developmentally delayed infants. Dietrich RB; Bradley WG; Zaragoza EJ IV; et al. *AJNR* 1988; 9: 69

- MRI of the central nervous system in neonates and young children. Lee BCP; Lipper E; Nass R; et al. *AJNR* 1986; 7: 605
- neurosonography of hydrocephalus in infants. Shackelford GD. *Neuroradiol* 1986; 28: 452
- NMR follow-up studies of CNS-tumors in infancy and childhood. Higer HP; Gutjahr P; Schmidberger P; et al. *Eur J Radiol* 1987; 7: 49
- pediatric case of the day: annual meeting. 1985. Towbin RB; Bisset GS III. *Radiographics* 1986; 6: 1100
- prominent choroid plexus in meningocele: sonographic findings. Netanyahu I; Grant EG. *AJNR* 1986; 7: 317
- reactivation of congenital cytomegalic inclusion disease in an infant with HTLV-III associated immunodeficiency: CT-pathologic correlation. Post MJ; Curless KG; Gregorios JB; et al. *JCAT* 1986; 10: 533
- septal veins: normal finding on neonatal cranial sonography. Goldstein RB; Filly RA; Toi A. *Radiology* 1986; 161: 623
- sonographic diagnosis of ascending transtentorial herniation of posterior fossa cystic masses. Balsara VJ; Raval BK; Hargadine JR; et al. *AJNR* 1988; 9: 194
- sonographic examination of the brain stem area in infants: echographic and anatomic analysis. Helme K; Winkler P; Kock C. *Pediatr Radiol* 1987; 17: 1
- sonographic findings in infants with macrocrania. Babcock DS; Han BK; Dine MS. *AJNR* 1988; 9: 307
- sonographic findings in infants with macrocrania. Babcock DS; Han BK; Dine MS. *AJR* 1988; 150: 1359
- sonography of cerebral infarction in infancy. Hernandez-Schulman M; Cohen W; Genieser NB. *AJNR* 1988; 9: 131
- sonography of congenital malformations of the brain. Babcock DS. *Neuroradiol* 1986; 28: 428
- sonography of intracranial infection in infants and children. Frank JL. *Neuroradiol* 1986; 28: 440
- sonography of the internal capsule and basal ganglia in infants: part II: localization of pathologic processes in the sagittal section through the caudothalamic groove. Naidich TP; Yousefzadeh DK; Gusnard DA; Naidich JB. *Radiology* 1986; 161: 615
- strangulation in child abuse: CT diagnosis. Bird CR; McMahan JR; Gilles FH; Senac MO; Athorp JS. *Radiology* 1987; 163: 373
- symmetrical low density areas in bilateral thalami in an infant with measles encephalitis. Ochi J; Okuno T; Uenoyama Y; et al. *Comput Radiol* 1986; 10: 137
- ultrasonic anatomy of the normal neonatal and infant spine: correlation with cryomicrotome sections and CT. Gusnard DA; Naidich TP; Yousefzadeh DK; et al. *Neuroradiol* 1986; 28: 493
- ultrasound and computed tomography of the infant brain: clinical comparison. Lipinski JK; Cremin BJ. *Clin Radiol* 1986; 37: 365
- ultrasound of the spinal cord in neonates and infants. (ab). Jequier S; Cramer B; O'Gorman AM. *Radiology* 1986; 158: 282
- Infants, endocrine glands**
- computed tomography in the evaluation of adrenal glands in infants and children. Mahboubi S; Patel K; O'Neill JA. *CT* 1988; 12: 240
- Infants, eye**
- computed tomography diagnosis of eye tumors and anomalies in early childhood and infancy. (ab). Fitz CR; Chuang CH; Harwood-Nash DC. *Radiology* 1986; 158: 282
- Infants, gastrointestinal tract**
- choosing contrast media for the evaluation of the gastrointestinal tract of neonates and infants. Cohen MD. *Radiology* 1987; 162: 447
- comparative imaging: bile-plug syndrome. Sty JR; Wells RG; Schroeder BA. *Clin Nucl Med* 1987; 12: 489
- congenital anorectal anomalies: MR imaging. Sato Y; Pringle KC; Bergman RA; Yuh WTC; Smith WL; Soper RT; Franken EA Jr. *Radiology* 1988; 168: 157

- cow's milk protein/soy protein allergy: gastrointestinal imaging. Richards DG; Somers S; Isenman RM; Stevenson GW. *Radiology* 1988; 167: 721
- cow's milk protein/soy protein allergy: gastrointestinal imaging. Taylor GA. *Radiology* 1988; 167: 866
- demonstration of a lactobezoar by ultrasound. Naik DR; Bolia A; Boon AW, Br J Radiol 1987; 60: 506
- gastric ulcer disease in infants: US findings. Hayden CK Jr; Swischuk LE; Rytting JE. *Radiology* 1987; 164: 131
- gastroesophageal reflux: how much imaging is required? Swischuk LE; Fawcett HD; Hayden CK Jr; Isenberg JN. *Radiographics* 1988; 8: 1137
- gastrointestinal hemangiomas in children: demonstration with CT. Bank ER; Hernandez RJ; Byrne WJ. *Radiology* 1987; 165: 657
- intussusception in infants and children: diagnosis and therapy. Bisset GS III; Kirks DR. *Radiology* 1988; 168: 141
- massive congenital solitary nonparasitic cyst of the liver in infancy. Athey PA; Lauderman JA; King DE. *J Ultrasound Med* 1986; 5: 535
- multiple enteric duplications in an infant. Egelhoff JC; Bisset GS III; Strife JL. *Pediatr Radiol* 1986; 16: 160
- percutaneous gastrostomy and percutaneous gastrojejunostomy in children: antegrade approach. Towbin RB; Ball WS Jr; Bisset GS III. *Radiology* 1988; 168: 473
- secretory diarrhea with protein-losing enteropathy. *enterocolitis cystica superficialis*, intestinal lymphangiectasia, and congenital hepatic fibrosis: new syndrome. (ab). Pelletier VA; Galeano N; Brochu P; et al. *Radiology* 1986; 159: 824
- small bowel disease in children: diagnosis with CT. Siegel MJ; Evans SJ; Balfe DM. *Radiology* 1988; 169: 127
- sonographic double target in a case of type Ia cecal duplication cyst. Gupta AK; Berry M; Bhargava S. *JCU* 1985; 15: 273
- sonography of focal foveal hyperplasia causing gastric obstruction in an infant. McAlister WH; Katz ME; Perlman JM; et al. *Pediatr Radiol* 1988; 18: 79
- spontaneous extrahepatic biliary duct perforation in infancy. Fawcett HD; Hayden CK Jr; Swischuk LE; et al. *J Canad Assoc Radiol* 1986; 37: 206
- ultrasonic "double track" sign in hypertrophic pyloric stenosis. Cohen HL; Schechter S; Mestel AL; et al. *J Ultrasound Med* 1987; 6: 139
- ultrasonic evaluation of gastric clearing in young infants. Lambrecht L; Robrecht E; Deschynkel K; et al. *Pediatr Radiol* 1988; 18: 314
- ultrasonographic detection of spontaneous perforation of the extrahepatic bile ducts in infancy. Bahia JO; Boal DKB; Karl SR; et al. *Pediatr Radiol* 1986; 16: 157
- vomiting infant: recent advances and unsettled issues in imaging. Bowen A. *Radiol Clin North Am* 1988; 26: 377
- Infants, genitourinary system**
- congenital megacalyces: ultrasound appearance. Garcia CJ; Taylor KJW; Weiss RM. *J Ultrasound Med* 1987; 6: 163
- infantile glomerulonephritis mimicking polycystic kidney disease. Evans JB; Shapiro LG; Roscelli JD. *J Ultrasound Med* 1988; 7: 29
- intra-renal reflux: new cause of medullary hyperechogenicity? Diard F; Nicolau A; Bernard S. *Pediatr Radiol* 1987; 17: 154
- kidneys in infants and children: evaluation with MR. Dietrich RB; Kangaroo H. *Radiology* 1986; 159: 215
- pediatric case of the day: annual meeting 1985. Bisset GS III; Towbin RB. *Radiographics* 1986; 6: 508
- percutaneous nephrostomy in paediatrics. Irving HC; Arthur RJ; Thomas DFM. *Clin Radiol* 1987; 38: 245
- percutaneous studies of the upper urinary tract in children, with special emphasis on infants. Riedy MJ; Lebowitz RL. *Radiology* 1986; 160: 231

- sonographically detectable cysts in polycystic kidney disease in newborn and young infants, Worthington JL; Shackelford GD; Cole BR; et al, *Pediatr Radiol* 1988; 18: 287
- ultrasonographic features of glomerulocystic disease in infancy: similarity to infantile polycystic kidney disease, Fitch SJ; Stapleton FB, *Pediatr Radiol* 1986; 16: 400
- ultrasound diagnosis of renal calcification in infants on chronic furosemide therapy, Myracle MR; McGahan JP; Goetzman BW; et al, *JCU* 1986; 14: 281
- unusual encapsulated collection of urine (urinoma) in an infant with vesicoureteral reflux, Passas V; Vasilakos P; Brountzos E; et al, *Pediatr Radiol* 1987; 17: 422
- ureteral diameter in low-risk vesicoureteral reflux in infancy and childhood, Hellstrom M; Hjalmas K; Jacobsson B; et al, *Acta Radiol* 1986; 27: 77
- ### Infants, injuries
- arthrography in evaluation of birth injuries of the shoulder, White SJ; Blane CE; DiPietro MA; et al, *J Canad Assoc Radiol* 1987; 38: 113
- factors affecting visualization of posterior rib fractures in abused infants, Kleinman PK; Marks SC; Adams VI; et al, *AJR* 1988; 150: 635
- fractured long bones in a term infant delivered by Cesarean section, Kaplan M; Dollberg M; Wajntraub G; et al, *Pediatr Radiol* 1987; 17: 256
- metaphyseal lesion in abused infants: radiologic-histopathologic study, Kleinman PK; Marks SC; Blackburne B, *AJR* 1986; 146: 895
- pericerebellar fluid collections in infancy, sequelae of birth injury? a retrospective CT study, Thompson JR; Fetz RC; Hinshaw DB Jr; et al, *Neuroradiol* 1987; 29: 453
- serial MR imaging in neonatal cerebral injury, Johnson MA; Penneck JM; Bydder GM; et al, *AJNR* 1987; 6: 83
- sonography of slipped humeral epiphysis due to birth injury, Zieger M; Dorr U; Schulz RD, *Pediatr Radiol* 1987; 17: 425
- strangulation in child abuse: CT diagnosis, Bird CR; McMahan JR; Gilles FH; Senac MO; Athorp JS, *Radiology* 1987; 163: 373
- ### Infants, newborn
- fetal femur length/abdominal circumference ratio in preterm labor patients with and without successful tocolytic therapy, Westgren M; Beall M; Dylon M; et al, *J Ultrasound Med* 1986; 5: 243
- mineral homeostasis in very premature infants: serial evaluation of serum 25-hydroxyvitamin D, serum minerals, and bone mineralization, (ab), Hillman LS; Hoff N; Salmons S; et al, *Radiology* 1986; 158: 283
- neonatal umbilical artery pseudoaneurysm: sonographic evaluation (case report), Katz ME; Perlman JM; Tack ED; et al, *AJR* 1986; 147: 322
- pyloric atresia associated with epidermolysis bullosa, Orense M; Hernandez JBG; Celorio C; et al, *Pediatr Radiol* 1987; 17: 435
- radiation hazards in a paediatric intensive care unit, Werner A; Isdale JM, *Pediatr Radiol* 1986; 16: 275
- ### Infants, newborn, cardiovascular system
- cardiac output determinations in the newborn: reproducibility of the pulsed Doppler velocity measurement, Claflin KS; Alverson DC; Pathak D; et al, *J Ultrasound Med* 1988; 7: 311
- cardiothoracic ratio in Nigerian newborn infants, Odita JC; Okolo AA; Omene JA, *Clin Radiol* 1987; 38: 187
- case report: ectopia cordis and the radiographic changes of a new surgical repair technique, Glass RB; Fernbach SK, *Clin Radiol* 1987; 38: 443
- central venous silastic catheters in newborns: localization by sonography and radiology, Diemer A, *Pediatr Radiol* 1987; 17: 15
- cerebral hemodynamics in infants undergoing extracorporeal membrane oxygenation: further observations, Taylor GA; Short BL; Glass P; Ichord R, *Radiology* 1988; 168: 163
- clot formation in the renal artery in the neonate demonstrated by ultrasound, Seibert JJ; Lindley SG; Corbitt SS; et al, *JCU* 1986; 14: 470
- coaxial balloon-catheter device for treatment of neonates and infants, Lasjaunias P; Terbrugge KG; Chiu MC, *Radiology* 1986; 159: 269
- demonstration of ascending aorta in hypoplastic left heart syndrome with aortic atresia by balloon occlusion aortography, Lo RNS; Leung MP; Lau KC, *Pediatr Radiol* 1987; 17: 370
- dense pulmonary opacification in neonates treated with extracorporeal membrane oxygenation, Schlesinger AE; Cornish JD; Null DM, *Pediatr Radiol* 1986; 16: 448
- echocardiographic measurement of left ventricular stroke volume in newborn infants: correlative study with pulsed Doppler and M-mode echocardiography, Walther FJ; Sassi B; Wu PYK, *JCU* 1986; 14: 37
- esophageal dilatation and reflux in neonates supported by ECMO after diaphragmatic hernia repair, Stolar CJH; Berdon WE; Dillon PW; et al, *AJR* 1988; 151: 135
- extracorporeal membrane oxygenation: radiographic appearance of the neonatal chest, Taylor GA; Short BL; Kriesmer P, *AJR* 1986; 146: 1257
- gallium scan findings following multiple blood transfusions in an infant with erythroblastosis fetalis, Edeburn GF; Treves ST, *Clin Nucl Med* 1987; 12: 70
- intracranial flow patterns in infants undergoing extracorporeal membrane oxygenation: preliminary observations with Doppler US, Taylor GA; Catena LM; Garin DB; Miller MK; Short BL, *Radiology* 1987; 165: 671
- myocardial imaging: Cossackie myocarditis, Wells RG; Ruskin JA; Str JY, *Clin Nucl Med* 1986; 11: 661
- myocardial infarction in Kawasaki disease, (ab), Kato H; Ichinose E; Kawasaki T, *Radiology* 1987; 164: 295
- myocardial perforation by transvenous pacemaker in a newborn infant: echocardiographic diagnosis, Muhler E; Hofstetter R; Hornchen H; et al, *JCU* 1986; 14: 141
- neonatal aortic thrombosis: recent experience, (ab), Vailas GN; Brouillette RT; Scott JP; et al, *Radiology* 1987; 164: 295
- neonatal aortic compression caused by a distended bladder, Kushner DC; Chin JK; Cleveland RH; et al, *AJR* 1986; 146: 1273
- neonatal brain: color Doppler imaging, part II, altered flow patterns from extracorporeal membrane oxygenation, Mitchell DG; Merton D; Desai H; Needleman L; Kurtz AB; Goldberg BB; Graziani L; Wolfson P, *Radiology* 1988; 167: 307
- neurosonographic changes in newborns treated with extracorporeal membrane oxygenation, Luisiri A; Gravis ER; Weber T; et al, *J Ultrasound Med* 1988; 7: 429
- noninvasive evaluation of neonatal aortic thrombosis secondary to umbilical artery catheterization, Fellmeth BD; Sandler MP; Thieme GA; et al, *AJR* 1986; 146: 619
- radiologic and real time echocardiographic evaluation of the cyanotic newborn, Unger FM; Cavanaugh DJ; Johnson GF; Tuuri DT; Beekman R, *Radiographics* 1986; 6: 603
- relationships of five Doppler measures with flow in an in vitro model and clinical findings in newborn infants, Miles RD; Menke JA; Bashiri M; et al, *J Ultrasound Med* 1987; 6: 597
- resistance index, blood flow velocity, and resistance-area product in the cerebral arteries of very low birth weight infants during the first week of life, Evans DH; Levene MI; Shortland DB; et al, *Ultrasound Med Biol* 1988; 14: 103
- sonographic detection of neonatal umbilical-artery thrombosis: clinical correlation, Seibert JJ; Taylor BJ; Williamson SL; et al, *AJR* 1987; 148: 965
- splenic hemangioma with thrombocytopenia in a newborn, (ab), Sencer S; Coulter-Knoff A; Day D; et al, *Radiology* 1987; 165: 887
- treatment of grafts and major vessel thrombosis with low-dose streptokinase in children, (ab), LeBlanc JG; Culham JAG; Chan K-W; et al, *Radiology* 1986; 161: 864
- ultrasonographic findings (CNS, thorax, abdomen) in infants undergoing extracorporeal oxygenation therapy, Slovits TL; Sell LL; Bedard MP; et al, *Pediatr Radiol* 1988; 18: 112
- ventilator-induced pulmonary pseudocysts in preterm neonates, Williams DW; Merten DF; Eifmann EL; et al, *AJR* 1988; 150: 885
- ### Infants, newborn, central nervous system
- abnormalities of the neonatal brain: MR imaging, part I, intracranial hemorrhage, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Crofford MJ; Amparo EG, *Radiology* 1987; 163: 387
- abnormalities of the neonatal brain: MR imaging, part II, hypoxic-ischemic brain injury, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Amparo EG, *Radiology* 1987; 163: 395
- agenesis of the corpus callosum in the foetus, neonate and infant, Verco PW; LeQuenne GW, *Australas Radiol* 1987; 31: 129
- atrial ventricular diverticulum: sonographic diagnosis, Karnaze MG; Shackelford GD; Abramson CL, *AJR* 1987; 149: 569
- behavioral responsiveness in preterm infants with intraventricular hemorrhage, (ab), Garcia-Coll CT; Emmons L; Vohr BR; et al, *Radiology* 1988; 168: 888
- cause of neonatal convulsions: towards more precise diagnosis, (ab), Levene MI; Trounce JQ, *Radiology* 1986; 161: 864
- changes in the lateral ventricle with the head position: ultrasonographic observation, Koeda T; Ando Y; Takashima S; et al, *Neuroradiol* 1988; 30: 315
- choroid plexus papilloma: detection by real-time and Doppler sonography, Chow PP; Horgan JG; Burns PN; et al, *AJNR* 1986; 7: 168
- combined application of MR imaging and spectroscopy in neonates and children: installation and operation of a 2.35-T system in a clinical setting, Boesch C; Martin E, *Radiology* 1988; 168: 481
- computed tomography in global cerebral cortical ischemia of the neonate and young infant, Swartz JD; Soyer A; Brown LW; et al, *CT* 1986; 10: 243
- computed tomography of the brain in asphyxiated infants, Dunn DW; Weisberg LA, *Comput Radiol* 1987; 11: 147
- concomitant of neonatal cerebral infarction on MRI by normal brain water, Moore JB; Parker CP; Smith RJ; et al, *Pediatr Radiol* 1987; 17: 314
- conventional spinal radiography as a supplement to the neurologic assessment in myelomeningocele, Samuelsson L; Eklöf O, *Acta Radiol* 1987; 28: 615
- cranial sonography of the occipital horns and gyral patterns in the occipital lobes, Vade A; Otto R, *AJNR* 1986; 7: 873
- cranial ultrasonography of neonatal periventricular/intraventricular hemorrhage: who, how, why and when?, Kirks DR; Lowie JD, *Pediatr Radiol* 1986; 16: 114
- cranial ultrasound in preterm infants: long-term follow-up, (ab), Baerts W; Meradji M, *Radiology* 1986; 158: 574
- CT and MR findings in Aicardi syndrome, Igdiabashian V; Mahboubi S; Zimmerman RA, *JCAT* 1987; 11: 357
- developmental features of the neonatal brain: MR imaging, part I, gray-white matter differentiation and myelination, McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG, *Radiology* 1987; 162: 223
- developmental features of the neonatal brain: MR imaging, part II, ventricular size and extracerebral space, McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG, *Radiology* 1987; 162: 230
- diagnosis and outcome of subcortical cystic leucomalacia, (ab), Trounce JQ; Levene MI, *Radiology* 1986; 160: 288
- echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy, Teale RL; Hernandez-Schulman M; Sotrel A, *Radiology* 1988; 169: 423

- focal necrosis of the white matter (periventricular leukomalacia): sonographic, pathologic, and electroencephalographic features. Bejar R; Coen RW; Merritt TA; et al. *AJNR* 1986; 7: 1073
- hemorrhage in cavum septi pellucidi. Vade A; McKusick M; Michael A. *Pediatr Radiol* 1986; 16: 417
- high-field spin-echo MR imaging of superficial and subependymal siderosis secondary to neonatal intraventricular hemorrhage. Gomori JM; Grossman RI; Goldberg HI; et al. *Neuroradiol* 1987; 29: 339
- histologic evolution of the reactions to hemorrhage in the premature human infant's brain: a combined ultrasound and autopsy study and a comparison with the reaction in adults. (ab). Darrow VC; Alvord EC Jr; Mack LA; et al. *Radiology* 1988; 168: 295
- idiopathic cerebral arterial infarction with paucity of symptoms in the full-term neonate. (ab). Roodhooft AM; Parizel PM; Van Acker KJ; et al. *Radiology* 1988; 168: 296
- indications for routine cranial ultrasound scanning in the nursery. Sims ME; Halterman G; Jasani N; et al. *JCU* 1986; 14: 443
- infant cranial sonography. Grant EG; Tessier F; Perrella R. *Radiol Clin North Am* 1988; 26: 1089
- intracranial hemorrhage in preterm neonates: a broadening spectrum. Schellinger D; Grant EG; Manz HJ; et al. *AJNR* 1988; 9: 327
- intracranial hemorrhage in preterm neonates: a broadening spectrum. Schellinger D; Grant EG; Manz HJ; et al. *AJR* 1988; 150: 1109
- intraventricular hemorrhage in extremely small premature infants. (ab). Perlman JM; Volpe JJ. *Radiology* 1987; 164: 888
- lipomeningocele. Vade A; Kennard D. *AJNR* 1987; 8: 375
- localized cerebral infarction in the premature infant: an ultrasound diagnosis correlated with computed tomography and magnetic resonance imaging. (ab). De Vries LS; Regev R; Connell JA; et al. *Radiology* 1988; 168: 591
- low-level echogenicity in intraventricular hemorrhage versus ventriculitis. Grant EG; White EM; Schellinger D; Rosenbach D. *Radiology* 1987; 165: 471
- missing pericallosal artery on sonography: sign of agenesis of the corpus callosum in the neonatal brain? Baarsma R; Martijn A; Okken A. *Neuroradiol* 1987; 29: 47
- monitoring of the neonate undergoing MR imaging: technical considerations: work in progress. McArdle CB; Nicholas DA; Richardson CJ; Amparo EG. *Radiology* 1986; 159: 223
- MR findings of malignant intracranial teratoma in a neonate. Uken P; Sato Y; Smith W. *Pediatr Radiol* 1986; 16: 504
- neonatal brain: color Doppler imaging. part I. technique and vascular anatomy. Mitchell DG; Merton D; Needleman L; Kurtz AB; Goldberg BB; Levy DW; Rifkin MD; Pennell RC; Vilaro M; Baltarowich O; Dahner W; Graziani L; Desai H. *Radiology* 1988; 167: 303
- neonatal brain tumors: CT and MR findings. Radkowski MA; Naidech TP; Tomita T; et al. *JCAT* 1988; 12: 10
- neonatal herpes simplex encephalitis: correlation of clinical and CT findings. Noorbehesht B; Enzmann DR; Sullender W; Bradley JS; Arvin AM. *Radiology* 1987; 162: 813
- neonatal neurosonographic correlates of cerebral palsy in preterm infants. (ab). Graziani LJ; Pasto ME; Stanley C; et al. *Radiology* 1987; 162: 591
- normal and pathologic choroid plexus ultrasound. (ab). Veyrac C; Couture A. *Radiology* 1986; 158: 282
- normal development of the spinal cord in neonates and infants seen on ultrasonography. Kawahara H; Andou Y; Takashima S; et al. *Neuroradiol* 1987; 29: 50
- normal maturation of the neonatal and infant brain: MR imaging at 1.5 T. Barkovich AJ; Kjos BO; Jackson DE Jr; Norman D. *Radiology* 1988; 166: 173
- pericerebellar fluid collections in infancy. sequelae of birth injury? a retrospective CT study. Thompson JR; Fetz RC; Hinshaw DB Jr; et al. *Neuroradiol* 1987; 29: 453
- perinatal factors and periventricular-intraventricular hemorrhage in preterm infants. (ab). Van De Bor M; Van Bel F; Lineman R; et al. *Radiology* 1987; 164: 592
- peritrigonal echogenic "blush" on cranial sonography: pathologic correlates. DiPietro MA; Brody BA; Teele RL. *AJNR* 1986; 7: 305
- periventricular cavitations in the first week of life. Keller MS; DiPietro MA; Teele RL; et al. *AJNR* 1987; 8: 291
- periventricular intraparenchymal echodensities in the premature newborn: critical determinant of neurologic outcome. (ab). Guzzetta F; Shackelford GD; Volpe S; et al. *Radiology* 1987; 164: 294
- periventricular leukomalacia and neurodevelopmental outcome in preterm infants. (ab). Fawer CL; Diebold P; Calame A. *Radiology* 1988; 167: 592
- postasphyxial encephalopathy in term infants: sonographic demonstration of increased echogenicity of the thalamus and basal ganglia. Hertzberg BS; Pasto ME; Needleman L; et al. *J Ultrasound Med* 1987; 6: 197
- posterior fossa chronic subdural hematoma in the neonate. Franklin J; Belkin R; Howieson J; et al. *AJNR* 1986; 7: 1099
- prevalence of "compressed" and asymmetric lateral ventricles in healthy full-term neonates: sonographic study. Winchester P; Brill PW; Cooper R; et al. *AJNR* 1986; 7: 149
- prognostic criteria in anoxic-hypoxic disease. Ruggiero R; Bandieramonte G; De Marinis P; et al. *J Neuroradiol* 1987; 14: 223
- real-time ultrasonographic surveillance in the detection of CNS involvement in systemic Candida infection. Bozynski ME; Naglie RA; Russell EJ. *Pediatr Radiol* 1986; 16: 235
- reduction in incidence of periventricular, intraventricular hemorrhages in hypertensive newborn beagles pretreated with phenobarbital. (ab). Goddard-Finegold J; Armstrong DL. *Radiology* 1987; 165: 888
- reliability of sonography in non-hemorrhagic periventricular leukomalacia. Baarsma R; Laurini RN; Baerts W; et al. *Pediatr Radiol* 1987; 17: 189
- serial lumbar punctures in prevention of post-hemorrhagic hydrocephalus in preterm infants. (ab). Anwar M; Kadam S; Hiatt IM; et al. *Radiology* 1986; 158: 862
- serial MR imaging in neonatal cerebral injury. Johnson MA; Pennock JM; Bydder GM; et al. *AJNR* 1987; 8: 83
- sonographic changes in a parasagittal cerebral lesion in an asphyxiated newborn. Huang C-C; Ho M-Y; Shen E-Y. *JCU* 1987; 15: 68
- sonographic diagnosis of a subdural hematoma as the initial manifestation of hemophilia in a newborn. Franze I; Forrest TS. *J Ultrasound Med* 1988; 7: 149
- sonographic evaluation of cerebral cortical mantle thickness in the fetus and neonate with hydrocephalus. Callen PW; Hashimoto BE; Newton TH. *J Ultrasound Med* 1986; 5: 251
- sonographic evaluation of spinal cord birth trauma with pathologic correlation. Babyn PS; Chuang SH; Daneman A; et al. *AJNR* 1988; 9: 765
- sonography of congenital midline brain malformations. Funk KC; Siegel MJ. *Radiographics* 1988; 8: 11
- sonography of the normal neonatal head: supratentorial structures: state-of-the-art imaging. Naidech TP; Yousefzadeh DK; Gusnard DA. *Neuroradiol* 1986; 28: 408
- sonography of the premature brain: intracranial hemorrhage and periventricular leukomalacia. Grant EG. *Neuroradiol* 1986; 28: 476
- structure and evolution of echo-dense lesions in the neonatal brain: combined ultrasound and necropsy study. (ab). Rushton DI; Preston PR; Durbin GM. *Radiology* 1986; 160: 287
- subependymal cysts in normal neonates. (ab). Shen E-Y; Huang F-Y. *Radiology* 1986; 160: 288
- tangential sulcal echoes: potential pitfall in the diagnosis of parenchymal lesions on cranial sonography. Bowerman RA. *J Ultrasound Med* 1987; 6: 685
- temporal evolution of hypoxic-ischaemic brain lesions in asphyxiated full-term newborns as assessed by computerized tomography. (ab). Lipp-Zwahlen AE; Deonna T; Chrzanoski R; et al. *Radiology* 1986; 158: 862
- ultrasonic anatomy of the normal neonatal and infant spine: correlation with cryomicrotome sections and CT. Gusnard DA; Naidech TP; Yousefzadeh DK; et al. *Neuroradiol* 1986; 28: 493
- ultrasound computed tomography and magnetic resonance of a neonatal ganglioglioma of the brain. Hanquinet S; Christophe C; Rummens E; et al. *Pediatr Radiol* 1986; 16: 501
- ultrasound diagnosis of neonatal spinal epidural hemorrhage. Leadman M; Seigel S; Hollenberg R; et al. *JCU* 1988; 16: 440
- ultrasound evaluation of septo-optic dysplasia in the newborn: report of a case. Nowell M. *Neuroradiol* 1986; 28: 491
- ultrasound in the diagnosis of systemic candidiasis (renal and cranial) in very low birth weight premature infants. Kirpekar M; Abiri MM; Hilfer C; et al. *Pediatr Radiol* 1986; 16: 17
- ultrasound of the neonatal craniocervical junction. Cramer BC; Jequier S; O'Gorman AM. *AJNR* 1986; 7: 449
- ventricular septa in the neonatal age group: diagnosis and considerations of etiology. Schellinger D; Grant EG; Manz HJ; et al. *AJNR* 1986; 7: 1065

Infants, newborn, endocrine glands

- reevaluation of the newborn thyroid dose from radiiodines. Hedrick WR; Milavickas LR. *J Nucl Med* 1987; 28: 1208
- technetium 99m pertechnetate thyroid scintigraphy: congenital hypothyroid screening. Wells RG; Sty JR; Duck SC. *Pediatr Radiol* 1986; 16: 368

Infants, newborn, eye

- pediatric case of the day. Bisset GS III; Towbin RB. *Radiographics* 1986; 6: 731

Infants, newborn, gastrointestinal tract

- analysis of bowel perforation in necrotizing enterocolitis. Frey EE; Smith W; Franken EA Jr; et al. *Pediatr Radiol* 1987; 17: 380
- case report: ion-exchange resin bezoar in a neonate. Berman L; Briggs R; Thomas RM. *Clin Radiol* 1986; 37: 297
- choosing contrast media for the evaluation of the gastrointestinal tract of neonates and infants. Cohen MD. *Radiology* 1987; 162: 447
- diagnostic value of ultrasonography in neonatal liver rupture. Zorzi C; Perale R; Benini F; et al. *Pediatr Radiol* 1986; 16: 425
- diffuse neonatal gastric infarction. Johnson JF; Woisard KK; Cooper GL. *Pediatr Radiol* 1988; 18: 161
- enlarged common hepatic duct secondary to morphine in a neonate. Schlesinger AE; Nul D. *Pediatr Radiol* 1988; 18: 235
- enterocyst formation: late complication of neonatal necrotizing enterocolitis. Ball TI; Wyly JB. *AJR* 1986; 147: 806
- enterolithiasis in two neonates with oesophageal and anorectal atresia. Poullaud JM; Meyer P; Minh VT; et al. *Pediatr Radiol* 1987; 17: 419
- oesophageal stenosis with oesophageal atresia. Thomason MA; Cay BB. *Pediatr Radiol* 1987; 17: 197
- fetal gallstones. Klingensmith WC III; Cioffi-Ragan DT. *Radiology* 1988; 167: 143
- gallbladder contraction in biliary atresia. Weinberger E; Blumhagen JD; Odell JM. *AJR* 1987; 149: 401
- gastric distension in neonatal necrotizing enterocolitis. Oditi JC; Omene JA; Okolo AA. *Pediatr Radiol* 1987; 17: 202
- hydrothorax, ascites, and right diaphragmatic hernia. Gilsanz V; Emons D; Hansmann M; Meradji M; Donaldson JS; Omenaca F; Quero J; Tucker BL. *Radiology* 1986; 158: 243
- hypertrophic pyloric stenosis: diagnosis using US. Haller JO; Cohen HL. *Radiology* 1986; 161: 335

- hypertrophic pyloric stenosis, ultrasonic appearances in a small baby, Bisset RAL; Gupta SC, *Pediatr Radiol* 1988; 18: 405
- inspissated bile in a neonate with cystic fibrosis, Davies CH; Daneman A; Stringer DA, *J Ultrasound Med* 1986; 5: 335
- microcolon of prematurity: form of functional obstruction, Amodio JB; Berdon WE; Abramson SJ; et al, *AJR* 1986; 146: 239
- neonatal duodenum: fluid-aided US examination, Cohen HL; Haller JO; Mestel AL; Coren C; Schechter S; Eaton DH, *Radiology* 1987; 164: 805
- normal and abnormal pancreas in children: US studies, (ab), Siegel MJ; Martin KW; Worthington JL, *Radiology* 1987; 165: 15
- persistent loop sign in neonatal necrotizing enterocolitis: new cause, Weinstein MM, *Pediatr Radiol* 1986; 16: 71
- prenatal and postnatal sonographic delineation of gastrointestinal abnormalities in a case of the VATER syndrome, Claiborne AK; Blocker SH; Martin CM; et al, *J Ultrasound Med* 1986; 5: 45
- role of ultrasonography in the evaluation of vomiting in infants, Blumhagen JD, *Pediatr Radiol* 1986; 16: 267
- segmental intestinal muscular thinning: a possible cause of intestinal obstruction in the newborn, Johnson JF; Coughlin WF; Pearson JT; Hill RB; Huang Y-C, *Radiology* 1987; 165: 659
- sonographic demonstration of malabsorption in neonates, Avni EF; Van Gansbeke D; Rodesch F; et al, *J Ultrasound Med* 1986; 5: 85
- sonographic features of bile plug syndrome, Pfeiffer WR; Robinson LH; Balsara VJ, *J Ultrasound Med* 1986; 5: 161
- sonographic findings of generalized meconium peritonitis presenting as neonatal ascites, Wu C-C, *JCU* 1988; 16: 48
- sonography of intestinal lymphangiectasia, Dorne HL; Jequier S, *J Ultrasound Med* 1986; 5: 13
- spontaneous resolution of gallstones in infants: role of hypocalcemic oral feeding, Math MV, *Radiology* 1988; 169: 283
- spontaneous rupture of the esophagus in the newborn, Dubos JP; Bouchez MC; Kacet N; et al, *Pediatr Radiol* 1986; 16: 317
- total parenteral nutrition (TPN) and gallbladder diseases in neonates: sonographic assessment, Matos C; Avni EF; Van Gansbeke D; et al, *J Ultrasound Med* 1987; 6: 243
- transient gallbladder distention in sick premature infants: value of ultrasonography and radionuclide scintigraphy, El-Shafie M; Mah CL, *Pediatr Radiol* 1986; 16: 468
- ultrasound examination of the normal pyloric sphincter in neonates, Langlois SLP; Lipert K; Hayter W, *Australas Radiol* 1987; 31: 53
- ### Infants, newborn, genitourinary system
- bladder fungus ball: a reversible cause of neonatal obstructive uropathy, (ab), Baetz-Greenwalt B; Debaz B; Kumar ML, *Radiology* 1988; 169: 888
- diagnosis of autosomal dominant polycystic kidney disease in utero and in the young infant, Pretorius DH; Lee ME; Manco-Johnson ML; et al, *J Ultrasound Med* 1987; 6: 249
- evolving urographic evaluation of the lower urinary tract in neonates with myelomeningocele, Fernbach SK; Conway JJ, *Urol Radiol* 1987; 9: 141
- factors associated with renal parenchymal echogenicity in the newborn, Cramer BC; Jequier S; de Chadarevian JP, *J Ultrasound Med* 1986; 5: 633
- follow-up studies of multicystic dysplastic kidneys, Vinocur L; Slovis TL; Perlmuter AD; Watts FB Jr; Chang C-H, *Radiology* 1988; 167: 311
- multicystic dysplastic kidneys: spontaneous regression demonstrated with US, Pedicelli G; Jequier S; Bowen A; Boisvert J, *Radiology* 1986; 161: 23
- neonatal aorticiliac compression caused by a distended bladder, Kushner DC; Chin JK; Cleveland RH; et al, *AJR* 1986; 146: 1273
- neonatal ovarian cysts: sonographic-pathologic correlation, Nussbaum AR; Sanders RC; Hartman DS; Dudgeon DL; Parmley TH, *Radiology* 1988; 168: 817
- neonatal renal candidiasis: sonographic diagnosis, Kintanar C; Cramer BC; Reid WD; et al, *AJR* 1986; 147: 801
- neonatal renomegaly, (ab), Johnson HW; Gleave M; Coleman GU; et al, *Radiology* 1988; 167: 296
- neonatal urinary ascites, (ab), Morrell P; Coulthard MG; Hey EN, *Radiology* 1986; 160: 288
- neonatal uterine morphology as seen on real-time US, Nussbaum AR; Sanders RC; Jones MD, *Radiology* 1986; 160: 641
- non-functioning kidney associated with neonatal adrenal hemorrhage: report of 2 cases, Starinsky R; Manor A; Segal M, *Pediatr Radiol* 1986; 16: 427
- normal standards for kidney length in premature infants: determination with US work in progress, Schlesinger AE; Hedlund GL; Pierson WP; Null DM, *Radiology* 1987; 164: 127
- pelvic kidney in cloacal exstrophy, Herman TE; Cleveland RH; Kushner DC, *Pediatr Radiol* 1986; 16: 306
- percutaneous studies of the upper urinary tract in children, with special emphasis on infants, Riedy MJ; Lebowitz RL, *Radiology* 1986; 160: 231
- prenatal and immediate postnatal ultrasonographic diagnosis of ureteroceles, Fitzsimons PJ; Frost KA; Millward SE; et al, *J Canad Assoc Radiol* 1986; 37: 189
- rapidly expanding mass in a neonate, Kremer SM; Rosenberg HK; Sherman NH; et al, *JCU* 1986; 14: 569
- renal calcification incidence in very low birth weight infants, (ab), Jacinto JS; Modanlou HD; Crade M; et al, *Radiology* 1988; 168: 591
- septated urinomas in the neonate, Feinstein KA; Fernbach SK, *AJR* 1987; 149: 997
- spontaneous resolution of neonatal ovarian cysts, Nussbaum AR; Sanders RC; Benator RM; et al, *AJR* 1987; 148: 175
- suprarenal abscess in the neonate: technetium-99m glucoheptonate imaging, Wells RG; Sty JR; Hodgson NB, *Clin Nucl Med* 1986; 11: 32
- suprarenal haematoma versus neuroblastoma complicated by haemorrhage: diagnostic dilemma in the newborn, Eklof O; Mortenson W; Sandstedt B, *Acta Radiol* 1986; 27: 3
- unusual renal mass in a newborn infant, Newman B; Smith S, *Radiology* 1987; 163: 193
- ### Infants, newborn, respiratory system
- acquired tracheomegaly in very preterm neonates, (ab), Bhutani VK; Ritchie WG; Shaffer TH, *Radiology* 1986; 161: 864
- anterior junction line: a radiographic sign of bilateral pneumothorax in neonates, Markowitz RI, *Radiology* 1988; 167: 717
- bony inlet stenosis as a cause of nasal airway obstruction, Ey EH; Han BK; Towbin RB; Jaun W-K, *Radiology* 1988; 168: 477
- cerebral hemodynamics in infants undergoing extracorporeal membrane oxygenation: further observations, Taylor GA; Short BL; Glass P; Ichord R, *Radiology* 1988; 168: 163
- contralateral pneumothoraces in the newborn: incidence and predisposing factors, (ab), Ryan CA; Barrington KJ; Phillips HJ; et al, *Radiology* 1987; 165: 296
- dense pulmonary opacification in neonates treated with extracorporeal membrane oxygenation, Schlesinger AE; Cornish JD; Null DM, *Pediatr Radiol* 1986; 16: 448
- esophageal dilatation and reflux in neonates supported by ECMO after diaphragmatic hernia repair, Stolar CHJ; Berdon WE; Dillon FW; et al, *AJR* 1988; 151: 135
- exogenous lung surfactant: effect on radiographic appearance in premature infants, Wood BP; Sinkin RA; Kendig JW; Notter RH; Shapiro DL, *Radiology* 1987; 165: 11
- extracorporeal membrane oxygenation: radiographic appearance of the neonatal chest, Taylor GA; Short BL; Kriesmer P, *AJR* 1986; 146: 1257
- febrile infants less than 3 months old: value of chest radiography, Heulitt MJ; Ablow RC; Santos CC; O'Shea TM; Hilfer CL, *Radiology* 1988; 167: 135
- high-frequency ventilation in the treatment of infants weighing less than 1,500 grams with pulmonary interstitial emphysema: a pilot study, (ab), Gaylord MS; Quissell BJ; Lair ME, *Radiology* 1987; 163: 888
- iatrogenic causes of large pleural fluid collections in the premature infant: ultrasonic and radiographic findings, Amodio JB; Abramson SJ; Berdon WE; et al, *Pediatr Radiol* 1987; 17: 104
- intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, Taylor GA; Fitz CR; Miller MK; Garin DB; Catena LM; Short BL, *Radiology* 1987; 165: 675
- is chronic lung disease in low birth weight infants preventable? a survey of eight centers, (ab), Avery ME; Tooley WH; Keller JB; et al, *Radiology* 1987; 164: 295
- miliary pattern in neonatal pneumonia, Flores JAM, *Pediatr Radiol* 1988; 18: 355
- nasal airway obstruction: CT assessment, Chinwuba C; Wallman J; Strand R, *Radiology* 1986; 159: 503
- neonatal brain: color Doppler imaging, part II. altered flow patterns from extracorporeal membrane oxygenation, Mitchell DG; Merton D; Desai H; Needleman L; Kurtz AB; Goldberg BB; Graziani L; Wolfson P, *Radiology* 1988; 167: 307
- neonatal tension pulmonary interstitial emphysema in bronchopulmonary dysplasia: treatment with lateral decubitus positioning, Schwartz AN; Graham CB, *Radiology* 1986; 161: 351
- neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, Taylor GA; Glass P; Fitz CR; Miller MK, *Radiology* 1987; 165: 679
- neurosonographic changes in newborns treated with extracorporeal membrane oxygenation, Luisiri A; Gravin ER; Weber T; et al, *J Ultrasound Med* 1988; 7: 429
- persistent pulmonary abnormalities in newborns: changing picture of bronchopulmonary dysplasia, Heneghan MA; Sosulski R; Baquero JM, *Pediatr Radiol* 1986; 16: 180
- primary (isolated) bilateral pulmonary hypoplasia: a comparative study of radiologic findings and autopsy results, Langer R; Kaufmann HJ, *Pediatr Radiol* 1986; 16: 175
- prolonged mechanical ventilation and intracranial hemorrhage: impact on developmental progress through 18 months in infants weighing 1,200 grams or less at birth, (ab), Bozynski MEA; Nelson MN; Matalon TAS; et al, *Radiology* 1987; 165: 591
- retrocardiac pneumomediastinum in association with tracheal and esophageal perforations, Amodio JB; Berdon WE; Abramson SJ; et al, *Pediatr Radiol* 1986; 16: 380
- single, mediastinal, unilobar lung—rare form of subtotal pulmonary agenesis, Markowitz RI; Frederick W; Rosenfield NS; et al, *Pediatr Radiol* 1987; 17: 269
- ultrasonographic findings (CNS, thorax, abdomen) in infants undergoing extracorporeal oxygenation therapy, Slovis TL; Sell LL; Bedard MP; et al, *Pediatr Radiol* 1988; 18: 112
- unusual tracheal foreign body in a neonate, Horimoto Y; Kasuya T; Yoshizawa M; et al, *Pediatr Radiol* 1986; 16: 420
- ventilator-induced pulmonary pseudocysts in preterm neonates, Williams DW; Merten DF; Eifmann EL; et al, *AJR* 1988; 150: 885
- ### Infants, newborn, skeletal system
- acquired bone dysplasia secondary to catheter-related complications in the neonate, Seibert JJ; McCarthy RE; Alexander JE; et al, *Pediatr Radiol* 1986; 16: 43
- ateloosteogenesis: evidence for heterogeneity, Silience DO; Kozlowski K; Rogers JC; et al, *Pediatr Radiol* 1987; 17: 112

bone cortical mass in newborn infants: comparison between standards in the femur and humerus. Odita JC, Okolo AA; Omene JA, *Skeletal Radiol* 1986; 15: 648

cloverleaf skull associated with unusual skeletal anomalies. Say B, Poznanski AK, *Pediatr Radiol* 1987; 17: 93

cystic sacrococcygeal teratoma: ultrasound diagnosis and perinatal management. Hogge WA; Thiagarajah S; Barber VG; et al, *J Ultrasound Med* 1987; 6: 707

fracture of the clavicle in the newborn: an ultrasound diagnosis. Katz R; Landman J; Dulitzky F; et al, *J Ultrasound Med* 1988; 7: 21

infantile-onset multisystem inflammatory disease: radiologic findings. Kaufman RA; Lovell DJ, *Radiology* 1986; 160: 741

measurements of bone mineral content in the term and preterm infant. (ab). Vyhmeister NR; Linkhart TA; Hay S; et al, *Radiology* 1988; 166: 912

metabolic bone disease in preterm infants. (ab). Brooke OG; Lucas A, *Radiology* 1986; 160: 288

progressive and regressive changes in the nucleus pulposus: part I. the neonate. Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM, *Radiology* 1988; 169: 87

radiological rickets in extremely low birthweight infants. Lyon AJ; McIntosh N; Wheeler K; et al, *Pediatr Radiol* 1987; 17: 56

sonography of slipped humeral epiphysis due to birth injury. Zieger M; Dorr U; Schulz RD, *Pediatr Radiol* 1987; 17: 425

trisomy 21 in newborn infants: chest radiographic diagnosis. Edwards DK; Berry CC; Hilton SW, *Radiology* 1988; 167: 317

ultrasonic investigation of the hip in newborns in the diagnosis of congenital hip dislocation: classification and results of a screening program. Langer R, *Skeletal Radiol* 1987; 16: 275

ultrasonography of the infant hip. part IV: normal development in the newborn and preterm neonate. Zieger MM; Hilpert S, *Pediatr Radiol* 1987; 17: 470

ultrasound appearance of positive hip instability tests. Berman L; Hollingdale J, *Clin Radiol* 1987; 38: 117

Infants, premature
See Infants, newborn

Infants, respiratory system
complementary roles of ultrasound and plain film radiography in differentiating pediatric chest abnormalities. Rosenberg HK, *Radiographics* 1986; 6: 427

course of bronchopulmonary dysplasia: radiographic follow-up. Mortenson W; Lindroth M, *Acta Radiol* 1986; 27: 19

febrile infants less than 3 months old: value of chest radiography. Heullitt MJ; Ablow RC; Santos CC; O'Shea TM; Hilfer CL, *Radiology* 1988; 167: 135

hyperinflation of the lungs in infants with large left-to-right shunts. Markowitz RI; Johnson KM; Weinstein EM, *Invest Radiol* 1988; 23: 354

primary pulmonary tuberculosis in infancy: resurgent disease in the urban United States. Amodio JB; Abramson SJ; Berdon WE, *Pediatr Radiol* 1986; 16: 185

pulmonary hyperinflation and emphysema in infants with the Marfan syndrome. Dominguez R; Weisgrau RA; Santamaria M, *Pediatr Radiol* 1987; 17: 365

pulmonary sequestration of the upper lobe in children. Hoefel J-C; Bernard C, *Radiology* 1986; 160: 513

Infants, skeletal system

calcifying discopathy in infancy in the cervical spine: evaluation of vertebral alterations over a period of time. Urso S; Colajacomo M; Migliorini A; et al, *Pediatr Radiol* 1987; 17: 387

complex infantile and congenital hip dislocation: assessment with MR imaging. Johnson ND; Wood BP; Jackman KV, *Radiology* 1988; 168: 151

infantile-onset multisystem inflammatory disease: radiologic findings. Kaufman RA; Lovell DJ, *Radiology* 1986; 160: 741

metaphyseal lesion in abused infants: radiologic-histopathologic study. Kleinman PK; Marks SC; Blackburne B, *AJR* 1986; 146: 895

ossification center of the infant hip: sonographic and radiographic correlation. Harcke HT; Lee MS; Sinning L; et al, *AJR* 1986; 147: 317

percentage of migration as indicator of femoral head position. Eklöf O; Ringertz H; Samuelsson L, *Acta Radiol* 1988; 29: 363

practical radiologic approach to skeletal dysplasias in infancy. Dutton RV, *Radiol Clin North Am* 1987; 25: 1211

real-time sonography of infant hip dislocation. Keller MS; Chawla HS; Weiss AA, *Radiographics* 1986; 6: 447

sonographic evaluation of the infant hip. Harcke HT; Grissom LE, *Semin US CT MR* 1986; 7: 331

sonographic findings in infants with macrocrania. Babcock DS; Han BK; Dine MS, *AJR* 1988; 150: 1359

sonographic guidance for infant hip reduction under anesthesia. Keller MS; Weiss AA, *Pediatr Radiol* 1988; 18: 174

sonography in pediatric hip disorders. Novick GS, *Radiol Clin North Am* 1988; 26: 29

ultrasonography of the infant hip. part III: clinical application. Zieger M; Schulz RD, *Pediatr Radiol* 1987; 17: 226

ultrasound of the infant hip. part 1. basic principles. Zieger M; Hilpert S; Schulz RD, *Pediatr Radiol* 1986; 16: 483

ultrasound of the infant hip. part 2. validity of the method. Zieger M, *Pediatr Radiol* 1986; 16: 488

Infertility
See Sterility

Inflammation, MR studies
magnetic resonance imaging of infections and inflammatory diseases. Sze G; Zimmerman RD, *Radiol Clin North Am* 1988; 26: 839

Inflammation, radionuclide studies
acquired immunodeficiency syndrome: Ga-67 citrate imaging. Woolfenden JM; Carrasquillo JA; Larson SM; Simmons JT; Masur H; Smith PD; Shelhamer JH; Ognibene FP, *Pediatr Radiol* 1987; 162: 383

comparison of purified indium-111 granulocytes and indium-111 mixed leukocytes for imaging of infections. Schaeffer DS; Burt RW; Park H-M; et al, *J Nucl Med* 1988; 29: 23

diagnostic significance of indium-111 granulocyte scintigraphy in febrile patients. Syrjala MT; Valtonen V; Liewendahl K; et al, *J Nucl Med* 1987; 28: 155

effect of chronicity of infection on the sensitivity of the In-111-labeled leukocyte scan. Datz FL; Thorne DA, *AJR* 1986; 147: 809

In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities. Magnuson JE; Brown ML; Hauser MF; Berquist TH; Fitzgerald RH; Klee GG, *Radiology* 1988; 168: 235

inflammation: imaging with Tc-99m HMPAO-labeled leukocytes. Roddie ME; Peters AM; Danpure HJ; Osman S; Henderson BL; Lavender JP; Carroll MJ; Neirincx RD; Kelly JD, *Radiology* 1988; 166: 767

influence of various factors on the accuracy of gallium-67 imaging for occult infection. Madecazo EC; Hickingbotham NB; Wordnick CL; et al, *J Nucl Med* 1988; 29: 608

limitations in the use of indium-111-oxine-labeled leukocytes for the diagnosis of occult infection in children. Haentjens M; Piepsz A; Schell-Frederick E; et al, *Pediatr Radiol* 1987; 17: 139

Informed consent

overview of informed consent for radiologists. Reuter SR, *AJR* 1987; 148: 219

response of patients to informed consent for excretory urography. Winfield AC; Ford CV; James AE Jr; et al, *Urol Radiol* 1986; 8: 35

two methods of implementing informed consent. (ab). Lidz CW; Appelbaum PS; Miesel A, *Radiology* 1988; 169: 296

what should patients be told prior to a medical procedure? ethical and legal perspectives on medical informed consent. (ab). Mazur DJ, *Radiology* 1987; 163: 592

Insulinoma

See Pancreas, neoplasms

International Commission on Radiological Protection (ICRP)

low-attenuation materials and rare-earth screens in radiodiagnosis. Br J Radiol Br J Radiol 1986; 59: 745

lung cancer risk from indoor exposures to radon daughters. *Acta Oncol Acta Oncol* 1987; 26: 489

origins and work of the International Commission on Radiological Protection. Smith H; Thorne MC, *Invest Radiol* 1987; 22: 918

practical implementation of ICRP recommendations. Beaver PF, Br J Radiol 1987; 60: 38

principles of the International Commission on Radiological Protection system of dose limitation. Thorne MC, Br J Radiol 1987; 60: 32

statement from the 1987 Como meeting of the International Commission on Radiological Protection, International Commission on Radiological Protection, *Radiology* 1988; 167: 263

statement from the 1987 Washington meeting of the International Commission on Radiological Protection, Smith H, *J Canad Assoc Radiol* 1988; 39: 216

Interventional procedures

antibiotic commentary. vanSonnenberg E; Varney RR; Casola G, *Radiology* 1988; 166: 901

antibiotic prophylaxis in vascular and interventional radiology: a rational approach. Spies JB; Rosen RJ; Lebowitz AS, *Radiology* 1988; 166: 381

antibiotics for radiologic interventional procedures. Hunter DW; Simmons RL; Hulbert JC, *Radiology* 1988; 166: 572

bird's nest inferior vena cava filter: progress report. Roehm JOF Jr; Johnsrude IS; Barth MH; Gianturco C, *Radiology* 1988; 168: 745

can the newer interventional procedures replace cholecystectomy for cholecystolithiasis? the potential role of percutaneous cystic duct ablation. Becker GJ; Kopecky KK, *Radiology* 1988; 167: 275

closed system for arterial puncture in patients at risk for AIDS. Olsen WL; Jeffrey RB Jr; Tolentino CS, *Radiology* 1988; 166: 551

complications of embolization: analysis of 410 procedures. Hemingway AP; Allison DJ, *Radiology* 1988; 166: 669

congenital arteriovenous malformations: tailored embolotherapy. Widlud DM; Murray RR; White RI Jr; Osterman FA Jr; Schreiber ER; Satre RW; Mitchell SE; Kaufman SL; Williams GM; Weiland AJ, *Radiology* 1988; 169: 511

high-flow-rate arteriovenous malformation model for simulated therapeutic embolization. Bartynski WS; O'Reilly GV; Forrest MD, *Radiology* 1988; 167: 419

image-guided pleural biopsies: indications, technique, and results in 23 patients. Mueller PR; Saini S; Simeone JF; Silverman SG; Morris E; Hahn PF; Forman BH; McLoud TC; Shepard JO; Ferrucci JT Jr, *Radiology* 1988; 169: 1

infected pancreatic fluid collections: percutaneous catheter drainage. Freeny PC; Lewis GP; Traverso LW; Ryan JA, *Radiology* 1988; 167: 435

interventional radiology 1988. vanSonnenberg E; Casola G, *Invest Radiol* 1988; 23: 75

motor evoked potentials during interventional neuroradiology. Zentner J; Schumacher M; Bien S, *Neuroradiol* 1988; 30: 252

needle endoscopy in special procedures. Cope C, *Radiology* 1988; 168: 353

new challenge to radiologists. Levin DC, *Radiology* 1988; 169: 855

pediatric interventional radiology. Towbin RB; Ball WS Jr, *Radiol Clin North Am* 1988; 26: 419

percutaneous dilation of ureteral strictures in renal transplant patients. Voegeli DR; Crummy AB; McDermott JC; Jensen SR, *Radiology* 1988; 169: 185

preprocedural sedation in children: a review. (ab). Swigart SA; Gould KA, *Radiology* 1988; 167: 592

pulmonary arteriovenous malformations: techniques and long-term outcome of embolotherapy. White RI Jr; Lynch-Nyhan A; Terry P; Buescher PC; Farnlett EJ; Charnas L; Shuman KR; Kim W; Kinnison ML; Mitchell SE, *Radiology* 1988; 169: 663

- sedation, analgesia, and anesthesia for radiologic procedures, Lind LJ; Mushlin PS, *Cardiovasc Intervent Radiol* 1987; 10: 247
- sedation and analgesia for interventional radiologic procedures in adults, (ab), Hurlbert BJ; Landers DF, *Radiology* 1988; 167: 592
- simple apparatus to avoid inadvertent needle puncture, vanSonnenberg E; Casola G; Mayse M, *Radiology* 1988; 166: 550
- Society of Cardiovascular and Interventional Radiology: credentials criteria for peripheral, renal, and visceral percutaneous transluminal angioplasty, Waltman AC; Katzen BT; Ring EJ; Martin EC; Sos TA; Tegtmeyer CJ, *Radiology* 1988; 167: 452
- streamlining operation of an admitting service for interventional radiology, White RJ Jr; Rizer DM; Shuman KR; White EJ; Adams PE; Kinnison ML; Mitchell SE; Osterman FA Jr, *Radiology* 1988; 168: 127
- thoracic empyema: management with image-guided catheter drainage, Silverman SG; Mueller PR; Saini S; Hahn PF; Simeone JF; Forman BH; Steiner E; Ferrucci JT, *Radiology* 1988; 169: 5
- use of antibiotics in interventional radiologic procedures: an important lesson still to be learned, van Waes PFGM; Simoons-Smit IM, *Radiology* 1988; 166: 570
- use of midazolam for sedation of infants and children, Diamant MJ; Stanley P, *AJR* 1988; 150: 377
- who should blow up balloons in arteries, Williams GM, *Radiology* 1988; 169: 857
- Intervertebral disks**
See Spine, intervertebral disks
- Intestinal neoplasms**
annular malignancies of the small bowel, Levine MS; Drooz AT; Herlinger H, *Gastrointest Radiol* 1987; 12: 53
case report: Hodgkin's disease involving the large bowel, Hall AG; Taylor R; Evans RGB, et al, *Clin Radiol* 1988; 39: 193
hypertrophic osteoarthropathy and primary intestinal lymphoma, Bloom RA; Assaf Y; Verstandig A, et al, *Gastrointest Radiol* 1986; 11: 185
ileal leiomyosarcoma and leiomyoma: false-positive scintiscans for Meckel's diverticulum, Dunn EK; Farman J; Teicher J, et al, *Clin Nucl Med* 1987; 12: 440
inflammatory pseudotumor of the mesentery and small intestine, Day DL; Sane S; Dehner LP, *Pediatr Radiol* 1986; 16: 210
intussusception secondary to squamous carcinoma of the lung, Liström MB; Davis M; Lowry S, et al, *Gastrointest Radiol* 1988; 13: 224
malignancy complicating inflammatory bowel disease, Feczko PJ, *Radiol Clin North Am* 1987; 25: 157
multiple mystifying melanas, Price J; McGuire LJ; Chan MSY, *Br J Radiol* 1988; 61: 521
small bowel disease in children: diagnosis with CT, Siegel MJ; Evans SJ; Balfe DM, *Radiology* 1988; 169: 127
tumors of the small intestine with little or no malignant predisposition: review of the literature and report of 56 cases, Olmsted WW; Ros PR; Hjertstad BM, et al, *Gastrointest Radiol* 1987; 12: 231
- Intestinal neoplasms, CT**
carcinoid tumors: CT and I-131 meta-iodobenzylguanidine scintigraphy, Adolph JMG; Kimmig BN; Georgi P; Winkel Kz, *Radiology* 1987; 164: 199
computed tomographic staging of gastrointestinal malignancies part II. small bowel, colon, and rectum, Thompson WM; Halvorsen RA Jr, *Invest Radiol* 1987; 22: 96
- Intestinal neoplasms, diagnosis**
Ruvalcaba-Myhre-Smith syndrome: new consideration in the differential diagnosis of intestinal polyposis, Foster MA; Kilcoyne RF, *Gastrointest Radiol* 1986; 11: 349
- Intestinal neoplasms, radionuclide studies**
carcinoid tumors: CT and I-131 meta-iodobenzylguanidine scintigraphy, Adolph JMG; Kimmig BN; Georgi P; Winkel Kz, *Radiology* 1987; 164: 199
detection of small bowel leiomyosarcoma during a Meckel's scan, Moote D; Ehrlich L; Martin RH, *Clin Nucl Med* 1987; 12: 152
false positive Meckel's scan caused by carcinoid tumors of the small bowel, Reddin A; Rosenbaum RC, *Clin Nucl Med* 1987; 12: 128
scintigraphic demonstration of mesenteric metastasis invading small bowel, Habibian MR; Hinton AA, *Clin Nucl Med* 1986; 11: 442
technetium-99m RBC scintigraphy in the evaluation of small bowel leiomyoma, McDonald KL, *Clin Nucl Med* 1987; 12: 131
- Intestinal neoplasms, staging**
computed tomographic staging of gastrointestinal malignancies part II. small bowel, colon, and rectum, Thompson WM; Halvorsen RA Jr, *Invest Radiol* 1987; 22: 96
- Intestinal neoplasms, therapeutic radiology**
cell proliferation and differentiation in the small intestine after irradiation with multiple fractions, Becciolini A; Cremonini D; Fabbria D, et al, *Acta Oncol* 1986; 25: 51
- Intestines**
See also Appendix; Colon; Duodenum; Gastrointestinal tract; Intestinal neoplasms; Rectum
- Intestines, abnormalities**
appendices epiploicae of the large bowel: sonographic appearance and differentiation from peritoneal seeding, Derchi LE; Reggiani L; Rebaudi F, et al, *J Ultrasound Med* 1988; 7: 11
familial apple peel jejunal atresia: surgical, genetic, and radiographic aspects, (ab), Seashore JH; Collins FS; Markowitz RI, et al, *Radiology* 1988; 168: 296
radiological findings in torsion of an appendix epiploica, Jennings CM; Collins MC, *Br J Radiol* 1987; 60: 508
segmental intestinal muscular thinning: a possible cause of intestinal obstruction in the newborn, Johnson JF; Coughlin WF; Pearson JT; Hill RB; Huang Y-C, *Radiology* 1987; 165: 659
sonographic double target in a case of type Ia cecal duplication cyst, Gupta AK; Berry M; Bhargava S, *JCU* 1987; 15: 273
technetium-99m pertechnetate visualization of ileal duplication, Flynn BM; Summerville DA; Treves ST, *Clin Nucl Med* 1987; 12: 880
- Intestines, angiography**
angiographic preoperative bowel segment localization using methylene blue, isosulfan blue, and fluorescein, Jasinski RW; Smith DC; Chase DR, et al, *Invest Radiol* 1987; 22: 462
impact of emergency angiography in massive lower gastrointestinal bleeding, (ab), Browder W; Cerise EJ; Litwin MS, *Radiology* 1987; 164: 291
small bowel hemorrhage: angiographic localization and intervention, Tillotson CL; Geller SC; Kantrowitz L, et al, *Gastrointest Radiol* 1988; 13: 207
- Intestines, biopsy**
fine-needle aspiration biopsy of bowel lesions under ultrasound guidance: indications and results, Solbiati L; Montali G; Croce F, et al, *Gastrointest Radiol* 1986; 11: 172
- Intestines, CT**
abdominal and pelvic CT: use of oral metoclopramide to enhance bowel opacification, Thoeni RF; Filson RG, *Radiology* 1988; 169: 391
analysis of the tethered-bowel sign on abdominal CT as a predictor of malignant ascites, Seltzer SE, *Gastrointest Radiol* 1987; 12: 245
computed tomographic findings of giant intestinal pseudopolyps, Archibald GR; Scholz FJ; Larsen CR, *Gastrointest Radiol* 1988; 13: 155
computed tomography of bowel infarction, Clark RA, *JCAT* 1987; 11: 757
computed tomography of intramural intestinal hemorrhage and bowel ischemia, Balthazar EJ; Hulnick DH; Megibow AJ, et al, *JCAT* 1987; 11: 67
computed tomography of the ileocecal region, Silverman PM; Kelvin FM; Baker ME, et al, *Comput Med Imag Graph* 1988; 12: 293
computed tomography of the small bowel, Scarlata JC; Allen HA III; Fishman EK, *Semin US CT MR* 1987; 8: 403
- computed tomography vs barium studies in the acutely symptomatic patient with Crohn disease, Orel SG; Rubenstein SE; Jones B, et al, *JCAT* 1987; 11: 1009
- Crohn disease: perirectal and perianal findings at CT, Yousem DM; Fishman EK; Jones B, *Radiology* 1988; 167: 331
- cross-sectional imaging of inflammatory bowel disease, Gore RM, *Radiol Clin North Am* 1987; 25: 115
- CT abnormalities in right lower quadrant inflammatory disease: review of findings in 26 adults, Scarlata JC; Yousem DM; Fishman EK, et al, *Gastrointest Radiol* 1987; 12: 156
- CT appearance of giant sigmoid diverticulum, Siskind BN; Burrell MI; Richter JO, et al, *JCAT* 1986; 10: 543
- CT demonstration of an unusual enteric duplication cyst, Kelly RB; Mahoney PD; Johnson JF, *JCAT* 1986; 10: 506
- CT diagnosis of primary small-bowel volvulus, Jaramillo D; Kaval B, *AJR* 1986; 147: 941
- CT evaluation of Crohn's disease: effect on patient management, Fishman EK; Wolf EJ; Jones B, et al, *AJR* 1987; 148: 537
- enteroenteric intussusception: CT findings in nine patients, Merline D; Fishman EK; Jones B, et al, *AJR* 1987; 148: 1129
- infarcted Meckel diverticulum detected by CT, Russ PD; Friefeld GD; Nauck CJ, et al, *JCAT* 1988; 156: 299
- intestinal ischemia: comparison of plain radiographic and computed tomographic findings, Lund EC; Han SY; Holley HC; Berland LL, *Radiographics* 1988; 8: 1083
- ischemic or infarcted bowel: CT findings, Alpern MB; Glazer GM; Francis IR, *Radiology* 1988; 166: 149
- small-bowel disease: categorization by CT examination, James S; Balfe DM; Lee JKT, et al, *AJR* 1987; 148: 863
- small bowel disease in children: diagnosis with CT, Siegel MJ; Evans SJ; Balfe DM, *Radiology* 1988; 169: 127
- Intestines, cysts**
CT demonstration of an unusual enteric duplication cyst, Kelly RB; Mahoney PD; Johnson JF, *JCAT* 1986; 10: 506
enterocyst formation: late complication of neonatal necrotizing enterocolitis, Ball TL; Wyly JB, *AJR* 1986; 147: 806
pneumatosis intestinalis after bone marrow transplantation, Day DL; Ramsay NKC; Letourneau JG, *AJR* 1988; 151: 85
pneumatosis intestinalis in a patient with polyarteritis nodosa, Buffo GC; Deitch JS, *Gastrointest Radiol* 1986; 11: 286
pneumatosis intestinalis in children after allogeneic bone marrow transplantation, Yeager AM; Kanof ME; Kramer SS, et al, *Pediatr Radiol* 1987; 17: 18
pneumatosis intestinalis in cystic fibrosis, Hernandez-Schulman M; Kirkpatrick J Jr; Schwachman H; Herman T; Schulman G; Vawter GF, *Radiology* 1986; 160: 497
pneumatosis intestinalis related to cytomegalovirus infection—new etiology?, van der Jagt EJ; van Son WJ; van der Woude FJ, et al, *Eur J Radiol* 1987; 7: 28
sonographic double target in a case of type Ia cecal duplication cyst, Gupta AK; Berry M; Bhargava S, *JCU* 1987; 15: 273
- Intestines, diseases**
abscesses in: Crohn disease: percutaneous drainage, Casola G; vanSonnenberg E; Neff CC; Saba RM; Withers C; Emarine CW, *Radiology* 1987; 163: 19
aphthoid ulcers in Crohn disease: radiographic course and relationship to bowel appearance, Ni X-Y; Goldberg HL, *Radiology* 1986; 158: 589
appendicitis as the initial manifestation of Crohn's disease: radiologic features and prognosis, Agha FP; Ghahremani GG; Panella JS, et al, *AJR* 1987; 149: 515
association of Meckel's diverticulum and Crohn's disease, Glick SN; Maglinte DDT; Herlinger H, *Gastrointest Radiol* 1988; 13: 67
CMV colitis mimicking Crohn's disease in a patient with acquired immune deficiency syndrome (AIDS), Caroline DF; Hilpert PL; Russin VL, *J Canad Assoc Radiol* 1987; 38: 227

- colitis: radiographic features and differentiation of idiopathic inflammatory bowel disease, Caroline DF; Evers K, Radiol Clin North Am 1987; 25: 47
- complex cystic abdominal mass: an unusual presentation of Crohn's disease in an anticoagulated patient, Khan AN; Bisset RAL, JCU 1988; 16: 271
- computed tomography vs barium studies in the acutely symptomatic patient with Crohn disease, Orel SG; Rubenstein SE; Jones B; et al, JCAT 1987; 11: 1009
- Crohn disease of the ileocecal region: US visualization of the appendix, Puylaert JBCM; van der Werf SDJ; Ulrich C; Veldhuizen RW, Radiology 1988; 166: 741
- Crohn disease: perirectal and perianal findings at CT, Yousem DM; Fishman EK; Jones B, Radiology 1988; 167: 331
- Crohn's disease isolated to the appendix: truths and fallacies, (ab), Ariel I; Vinograd I; Hershlag A; et al, Radiology 1987; 163: 289
- Crohn's disease: less common radiographic manifestations, Javors BR; Wecksel A; Fagelman D, Radiographics 1988; 8: 259
- Crohn's disease of the duodenum complicated by adenocarcinoma, Meiselman MS; Ghahremani GG; Kaufman MW, Gastrointest Radiol 1987; 12: 333
- Crohn's disease of the small intestine, Glick SN, Radiol Clin North Am 1987; 25: 25
- cross-sectional imaging of inflammatory bowel disease, Gore RM, Radiol Clin North Am 1987; 25: 115
- CT abnormalities in right lower quadrant inflammatory disease: review of findings in 26 adults, Scarlata JC; Yousem DM; Fishman EK; et al, Gastrointest Radiol 1987; 12: 156
- CT evaluation of Crohn's disease: effect on patient management, Fishman EK; Wolf EJ; Jones B; et al, AJR 1987; 148: 537
- current management of inflammatory bowel disease, Ruderman WB; Farmer RG, Radiol Clin North Am 1987; 25: 221
- diarrhea, weight loss, and lymphadenopathy in a 50-year-old man, Smith HJ; Dunnagan SA; Feldman M; et al, Invest Radiol 1986; 21: 808
- enteropathic arthropathies, Björkengren AG; Resnick D; Sartoris DJ, Radiol Clin North Am 1987; 25: 189
- enterovenous fistula: unusual complication of Crohn disease, Ajzen SA; Gibney RG; Cooperberg PL; Scudamore CH; Miller RR, Radiology 1988; 166: 745
- gastric and duodenal fistulas in Crohn's disease, (ab), Jacobson IM; Schapiro RH; Warshaw AL, Radiology 1986; 160: 284
- gastrointestinal manifestations of essential mixed cryoglobulinemia, Baxter R; Nino-Murcia M; Bloom RJ; et al, Gastrointest Radiol 1988; 13: 160
- genitourinary complications of inflammatory bowel disease, Banner MP, Radiol Clin North Am 1987; 25: 199
- giant pseudopolypoid in Crohn's disease with computed tomography correlation, Foderaro AE; Barloon TJ; Murray JA, CT 1987; 11: 288
- hepatobiliary complications of inflammatory bowel disease, Williams SM; Harned RK, Radiol Clin North Am 1987; 25: 175
- Hermansky-Pudlak syndrome: radiographic features, Leitman BS; Balthazar EJ; Garay SM; et al, J Canad Assoc Radiol 1986; 37: 42
- imaging inflammatory bowel disease in the pediatric patient, Stringer DA, Radiol Clin North Am 1987; 25: 93
- immunoproliferative small-intestinal disease: clinical features and outcome in 30 cases, (ab), Gillsky NH; Novis EH; Wright JP; et al, Radiology 1988; 167: 883
- intestinal and extraintestinal complications of inflammatory bowel disease, Feczko PJ, Radiol Clin North Am 1987; 25: 145
- irritable bowel syndrome: is a barium enema necessary?, Treacher DF; Chapman JR; Nolan DJ; et al, Clin Radiol 1986; 37: 87
- jejunal fold separation in adult celiac disease: relevance of enteroclysis, Herlinger H; Maglinte DDT, Radiology 1986; 158: 605
- malignancy complicating inflammatory bowel disease, Feczko PJ, Radiol Clin North Am 1987; 25: 157
- modern clinical aspects of inflammatory bowel disease, Kraft SC, Radiol Clin North Am 1987; 25: 213
- nonspecific involvement of bowel adjoining Crohn disease, Herlinger H; O'Riordan D; Saul S; Levine MS, Radiology 1986; 159: 47
- nuclear medicine imaging of inflammatory bowel disease, Froelich JW, Radiol Clin North Am 1987; 25: 133
- percutaneous abscess drainage in Crohn's disease, Safrit HD; Mauro MA; Jaques PF, AJR 1987; 148: 859
- percutaneous drainage of abscesses in patients with Crohn's disease, Doemeny JM; Burke DR; Meranze SG, Gastrointest Radiol 1988; 13: 237
- percutaneous drainage of abscesses in patients with Crohn disease, Lambiase RE; Cronan JJ; Dorfman GS; et al, AJR 1988; 150: 1043
- percutaneous drainage of iliopsoas abscess in Crohn's disease, Millward SF; Ramsewak W; Fitzsimons PJ; et al, Gastrointest Radiol 1986; 11: 289
- perspective: small bowel examination in the diagnosis of Crohn's disease, Carlson HC, AJR 1986; 147: 63
- pharmacologic agents in gastrointestinal radiology, Hall FM, Radiology 1987; 165: 289
- primary adenocarcinoma of the terminal ileum simulating Crohn's disease, Gallego MS; Pulpeiro JR; Arenas A; et al, Gastrointest Radiol 1986; 11: 355
- radiologic-pathologic correlation of inflammatory bowel disease, Lichtenstein JE, Radiol Clin North Am 1987; 25: 3
- real-time ultrasound in Crohn's disease: characteristic features and clinical implications, Dinkel E; Dittich M; Peters H; et al, Pediatr Radiol 1986; 16: 8
- small-bowel disease: categorization by CT examination, James S; Balfé DM; Lee JKT; et al, AJR 1987; 148: 863
- small bowel disease in children: diagnosis with CT, Siegel MJ; Evans SJ; Balfé DM, Radiology 1988; 169: 127
- small bowel radiography: how, when, and why?, Maglinte DDT; Lappas JC; Kelvin FM; Rex D; Chernish SM, Radiology 1987; 163: 297
- small intestine ischemia simulating primary colonic disease, Glick SN; Teplick SK; Whiteman MS; Haskin PH, Radiology 1987; 164: 43
- sonographic detection of postsurgical recurrence of Crohn disease, DiCandia G; Mosca F; Campatelli A; et al, AJR 1986; 146: 523
- sonographic detection of small intestinal subserosal lymphofollicular hyperplasia, Murayama S; Haruta R, J Ultrasound Med 1986; 5: 217
- sonographic features of urinary bladder involvement in regional enteritis, Boag GS; Nolan RL, J Ultrasound Med 1988; 7: 125
- sonography of intestinal lymphangiectasia, Dorne HL; Jequier S, J Ultrasound Med 1986; 5: 13
- submucosal accumulation of fat in inflammatory bowel disease: CT/pathologic correlation, Jones B; Fishman EK; Hamilton SR; et al, JCAT 1986; 10: 759
- toxic dilatation of the colon, Halpert RD, Radiol Clin North Am 1987; 25: 147
- ultrasound findings in Crohn's disease and ulcerative colitis: prospective study, Worlicek H; Lutz H; Heyder N; et al, JCU 1987; 15: 153
- Intestines, diverticula**
- association of Meckel's diverticulum and Crohn's disease, Glick SN; Maglinte DDT; Herlinger H, Gastrointest Radiol 1988; 13: 67
- CT appearance of giant sigmoid diverticulum, Siskind BN; Burrell MI; Richter JO; et al, JCAT 1986; 10: 543
- diagnosis of Meckel's diverticulum: a continuing challenge, Dixon PM; Nolan DJ, Clin Radiol 1987; 38: 615
- early visualization of diverticulitis by technetium-99m pertechnetate imaging, Kwai AH; Tumeah SS, Clin Nucl Med 1988; 13: 373
- gravity-aided Meckel's scan, Powsner R; Royal H; Parker JA, Clin Nucl Med 1987; 12: 654
- ileal leiomyosarcoma and leiomyoma: false-positive scintiscans for Meckel's diverticulum, Dunn EK; Farman J; Teitcher J; et al, Clin Nucl Med 1987; 12: 440
- infarcted Meckel diverticulum detected by CT, Russ PD; Friefeld GD; Nauck CJ; et al, AJR 1988; 150: 299
- intussuscepted Meckel diverticulum: radiologic-pathologic correlation, Black ML; Ros PR; Smirniotopoulos JG; et al, Comput Radiol 1987; 11: 245
- small bowel disease in children: diagnosis with CT, Siegel MJ; Evans SJ; Balfé DM, Radiology 1988; 169: 127
- small-bowel diverticulitis: CT findings, Greenstein S; Jones B; Fishman EK; et al, AJR 1986; 147: 271
- ultrasonography of hepatic venous gas due to diverticulitis, Fataar S; Cadogan E; Spruyt O, Br J Radiol 1986; 59: 183
- uptake of iodine-131 by a Meckel's diverticulum mimicking metastatic thyroid cancer, Caplan RH; Gundersen GA; Abellera RM; et al, Clin Nucl Med 1987; 12: 760
- Intestines, effects of drugs on**
- CT appearance of antibiotic-induced colitis, Letourneau JG; Day DL; Steely JW; et al, Gastrointest Radiol 1987; 12: 257
- radiologic manifestations of small-bowel toxicity due to flouxuridine therapy, Kelvin FM; Gramm HF; Gluck WL; et al, AJR 1986; 146: 39
- reversible enteropathy complicating continuous hepatic artery infusion chemotherapy with 5-fluoro-2-deoxyuridine, (ab), Gluck WL; Akwari OE; Kelvin FM; et al, Radiology 1986; 159: 570
- Intestines, effects of irradiation on**
- absence of bile acid malabsorption as a late effect of pelvic irradiation, Schuster JJ; Stryker JA; Demers LM; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1605
- alterations in the length of jejunal villi in mice irradiated with graded doses of x rays, Rao KR; Fritz-Niggli H, Br J Radiol 1988; 61: 839
- effects of accelerated fractionation on radiation injury of the small intestine: a new rat model, Hauer-Jensen M; Poulakos L; Osborne JW, Int J Radiat Oncol Biol Phys 1988; 14: 1205
- fractionated low doses of abdominal irradiation alters jejunal uptake of nutrients, Thomson ABR; Keelan M; Cheeseman CI; et al, Int J Radiat Oncol Biol Phys 1986; 12: 917
- gastro-duodenal morbidity of para-aortic and iliac lymph node irradiation using a single anterior 16 MV X-ray field, Pradhan DG; Brown CH, Clin Radiol 1988; 39: 438
- preservation of intestinal integrity during radiotherapy using live *Lactobacillus acidophilus* cultures, Salminen E; Elomaa I; Minkinen J; et al, Clin Radiol 1988; 39: 435
- vascular injury in the mouse rectum after irradiation and cis-diamminedichloroplatinum (II), Dewit L; Oussoren Y, Br J Radiol 1987; 60: 1037
- Intestines, hemorrhage**
- computed tomography of intramural intestinal hemorrhage and bowel ischemia, Balthazar EJ; Hulnick DH; Megibow AJ; et al, JCAT 1987; 11: 67
- embolization in small bowel hemorrhage, Chalmers AG; Robinson PJ; Chapman AH, Clin Radiol 1986; 37: 379
- false positive Meckel's scan caused by carcinoid tumors of the small bowel, Reddin A; Rosenbaum RC, Clin Nucl Med 1987; 12: 128
- impact of emergency angiography in massive lower gastrointestinal bleeding, (ab), Browder W; Cerise EJ; Litwin MS, Radiology 1987; 164: 291
- small bowel hemorrhage: angiographic localization and intervention, Tüllotson CL; Geller SC; Kantrowitz L; et al, Gastrointest Radiol 1988; 13: 207
- Intestines, hernia**
- radiologic imaging of herniation of the small bowel through a defect in the broad ligament, Suzuki M; Takashima T; Funaki H; et al, Gastrointest Radiol 1986; 11: 102

- transmesocolic herniation of small bowel following colonic intorsion, (ab), Agha FF, Radiology 1986; 158: 858
- Intestines, infarction**
- cholesterol embolization as a cause of cecal infarct mimicking carcinoma, Chan T; Levine MS; Park Y, AJR 1988; 150: 1315
- computed tomography of bowel infarction, Clark RA, JCAT 1987; 11: 757
- ischemic or infarcted bowel: CT findings, Alpern MB; Glazer GM; Francis IR, Radiology 1988; 166: 149
- Intestines, infection**
- campylobacter* ileocolitis mimicking acute appendicitis: differentiation with graded-compression US, Puylaert JBCM; Lalissang RI; van der Werf SDJ; Doornbos L, Radiology 1988; 166: 737
- contaminated small bowel syndrome presenting as an abdominal emergency in infants and children, (ab), Schwobel M; Hirsig J; Stauffer UG, Radiology 1986; 159: 576
- infective enterocolitides, Gardiner R; Smith C, Radiol Clin North Am 1987; 25: 67
- intestinal infections in patients with the acquired immunodeficiency syndrome (AIDS): etiology and response in therapy, (ab), Smith PD; Lane HC; Gill VJ; et al, Radiology 1988; 169: 585
- Intestines, inflammation**
- colitis: radiographic features and differentiation of idiopathic inflammatory bowel disease, Caroline DF; Evers K, Radiol Clin North Am 1987; 25: 47
- cross-sectional imaging of inflammatory bowel disease, Gore RM, Radiol Clin North Am 1987; 25: 115
- CT abnormalities in right lower quadrant inflammatory disease: review of findings in 26 adults, Scatarige JC; Yousem DM; Fishman EK; et al, Gastrointest Radiol 1987; 12: 156
- current management of inflammatory bowel disease, Ruderman WB; Farmer RG, Radiol Clin North Am 1987; 25: 221
- enteropathic arthropathies, Björkengren AG; Resnick D; Sartoris DJ, Radiol Clin North Am 1987; 25: 189
- extraintestinal manifestations of idiopathic inflammatory bowel disease, (ab), Danzi JT, Radiology 1988; 168: 883
- genitourinary complications of inflammatory bowel disease, Banner MP, Radiol Clin North Am 1987; 25: 199
- giant and symptomatic inflammatory polyps of the colon in idiopathic inflammatory bowel disease, (ab), Kelly JK; Langevin JM; Price LM; et al, Radiology 1987; 162: 883
- hepatobiliary complications of inflammatory bowel disease, Williams SM; Harned RK, Radiol Clin North Am 1987; 25: 175
- imaging inflammatory bowel disease in the pediatric patient, Stringer DA, Radiol Clin North Am 1987; 25: 93
- intestinal and extraintestinal complications of inflammatory bowel disease, Feczko PJ, Radiol Clin North Am 1987; 25: 145
- malignancy complicating inflammatory bowel disease, Feczko PJ, Radiol Clin North Am 1987; 25: 157
- modern clinical aspects of inflammatory bowel disease, Kraft SC, Radiol Clin North Am 1987; 25: 213
- nonspecific involvement of bowel adjoining Crohn disease, Herlinger H; O'Riordan D; Saul S; Levine MS, Radiology 1986; 159: 47
- nuclear medicine imaging of inflammatory bowel disease, Froelich JW, Radiol Clin North Am 1987; 25: 133
- osteoporosis in patients with inflammatory bowel disease, (ab), Compston JE; Judd D; Crawley EO; et al, Radiology 1987; 165: 882
- plain abdominal radiographs in children with inflammatory bowel disease, Taylor GA; Nancarrow PA; Hernandez-Schulman M; et al, Pediatr Radiol 1986; 16: 206
- radiologic-pathologic correlation of inflammatory bowel disease, Lichtenstein JE, Radiol Clin North Am 1987; 25: 3
- small bowel disease in children: diagnosis with CT, Siegel MJ; Evans SJ; Balfe DM, Radiology 1988; 169: 127
- sonographic diagnosis of neutropenic typhilitis, Teefey SA; Montana MA; Goldfogel GA; et al, AJR 1987; 149: 731
- submucosal accumulation of fat in inflammatory bowel disease: CT/pathologic correlation, Jones B; Fishman EK; Hamilton SR; et al, JCAT 1986; 10: 759
- three-phase white blood cell scan: diagnostic validity in abdominal inflammatory diseases, Becker W; Fischbach W; Reiners C; et al, J Nucl Med 1986; 27: 1109
- toxic dilatation of the colon, Halpert RD, Radiol Clin North Am 1987; 25: 147
- typhilitis in acute childhood leukaemia: radiological features, McNamara MJ; Chalmers AG; Morgan M; et al, Clin Radiol 1986; 37: 83
- ultrasonographic diagnosis of typhilitis (neutropenic colitis), Alexander JE; Williamson SL; Seibert JJ; et al, Pediatr Radiol 1988; 18: 200
- Intestines, interventional procedure**
- balloon dilatation of stricture of the ileal loop after ileal conduit diversion, Hildell J, AJR 1987; 149: 993
- Intestines, intubation**
- direct percutaneous jejunostomy, Gray RR; Ho C-S; Yee A; et al, AJR 1987; 149: 931
- distension of intestinal tube balloons causing small bowel obstruction, Shapir J; Braver J, J Canad Assoc Radiol 1986; 37: 203
- enteric alimentation: radiologic approach, McLean GK; Meranze SG; Burke DR, Radiology 1986; 160: 555
- hyperbaric therapy for the removal of an obstructing intestinal tube balloon, Lautin EM; Scheinbaum KR, Gastrointest Radiol 1987; 12: 243
- inadvertent inflation of the balloon: a rare but serious complication of Miller-Abbott intubation, Cho S-R; Messmer J; Bundrick T; et al, Br J Radiol 1987; 60: 547
- intubation routes for enteroclysis, Maglinte DDT; Lappas JC; Chernish SM; Sellink JL, Radiology 1986; 158: 553
- percutaneous conversion of surgical gastrostomy to jejunostomy: indications and technique, Gray RR; St. Louis EL; Grossman H, J Canad Assoc Radiol 1987; 38: 275
- strangulation of the colon caused by an intestinal decompression tube: radiographic findings, Yoshino MT; Boyle RR Jr, AJR 1987; 149: 735
- Intestines, intussusception**
- See Intussusception
- Intestines, ischemia**
- computed tomography of intramural intestinal hemorrhage and bowel ischemia, Balthazar EJ; Hulnick DH; Megibow AJ; et al, JCAT 1987; 11: 67
- Doppler ultrasound in the diagnosis of intestinal ischemia, Hartnell GG; Gibson RN, Gastrointest Radiol 1987; 12: 285
- Doppler ultrasound, laser Doppler, and perfusion fluorimetry in bowel ischemia, (ab), Lynch TG; Hobson RW II; Kerr JC; et al, Radiology 1988; 168: 883
- intestinal angina: percutaneous transluminal angioplasty of the celiac and superior mesenteric arteries, Odurny A; Sniderman KW; Colapinto RF, Radiology 1988; 167: 59
- intestinal ischemia: comparison of plain radiographic and computed tomographic findings, Lund EC; Han SY; Holley HC; Berland LL, Radiographics 1988; 8: 1083
- ischemic or infarcted bowel: CT findings, Alpern MB; Glazer GM; Francis IR, Radiology 1988; 166: 149
- magnetic resonance imaging of ischemic bowel in rabbit model, Kaufman AJ; Tarr RW; Holburn GE; et al, Invest Radiol 1988; 23: 93
- radionuclide visualization of acute occlusive and nonocclusive intestinal ischemia, (ab), Frantzides CT; Condon RE; Taftis D; et al, Radiology 1986; 160: 856
- small intestine ischemia simulating primary colonic disease, Glick SN; Teplick SK; Whiteman MS; Haskin PH, Radiology 1987; 164: 43
- water-soluble contrast media compared with barium in enteric follow-through: urinary excretion and radiographic efficacy in rats with intestinal ischemia, Stordahl A; Laerum F, Invest Radiol 1988; 23: 471
- Intestines, malrotation**
- Hirschsprung's disease and asymptomatic malrotation: rare association, Tamburrini O; Bartolomeo-De Iuri A; Palescandolo P; et al, Pediatr Radiol 1986; 16: 250
- midgut malrotation diagnosed by ultrasound, Gaines PA; Saunders AJ; Drake D, Clin Radiol 1987; 38: 51
- neonatal duodenum: fluid-aided US examination, Cohen HL; Haller JO; Mentel AL; Coren C; Schechter S; Eaton DH, Radiology 1987; 164: 805
- pitfalls in the radiological diagnosis of malrotation, Beasley SW; De Campo JF, Australas Radiol 1987; 31: 376
- vascular compromise in chronic volvulus with midgut malrotation, Mori H; Hayashi K; Futagawa S; et al, Pediatr Radiol 1987; 17: 277
- Intestines, motility**
- abdominal and pelvic CT: use of oral metoclopramide to enhance bowel opacification, Thoeni RF; Filson RG, Radiology 1988; 169: 391
- enteric alimentation: radiologic approach, McLean GK; Meranze SG; Burke DR, Radiology 1986; 160: 555
- pseudoobstruction in the geriatric population, Adler YT; Draths KG; Markey WS, Radiographics 1986; 6: 995
- radiological appearance of migrating motor complex of the small intestine, Stevenson GW; Collins SM; Somers S, Gastrointest Radiol 1988; 13: 215
- segmental intestinal muscular thinning: a possible cause of intestinal obstruction in the newborn, Johnson JF; Coughlin WF; Pearson JT; Hill RB; Huang Y-C, Radiology 1987; 165: 659
- Intestines, MR studies**
- cross-sectional imaging of inflammatory bowel disease, Gore RM, Radiol Clin North Am 1987; 25: 115
- ferrite particles for bowel contrast in MR imaging: design issues and feasibility studies, Hahn PF; Stark DD; Saini S; Lewis JM; Wittenberg J; Ferrucci JT Jr, Radiology 1987; 164: 37
- magnetic resonance imaging of ischemic bowel in rabbit model, Kaufman AJ; Tarr RW; Holburn GE; et al, Invest Radiol 1988; 23: 93
- Intestines, mucosa**
- aphthoid ulcers in Crohn disease: radiographic course and relationship to bowel appearance, Ni X-Y; Goldberg HL, Radiology 1986; 158: 589
- granular small bowel mucosa: reflection of villous abnormality, Jones B; Hamilton SR; Rubenstein SE; et al, Gastrointest Radiol 1987; 12: 219
- Intestines, neoplasms**
- See Intestinal neoplasms
- Intestines, obstruction**
- See Intestines, stenosis or obstruction
- Intestines, parasites**
- See Parasites
- Intestines, perforation**
- fetal bowel perforation simulating sacrococcygeal teratoma, Lockwood C; Ghidini A; Romero R; et al, J Ultrasound Med 1988; 7: 227
- Intestines, polyps**
- See Intestinal neoplasms
- Intestines, radiography**
- anisakiasis confirmed by radiography of the large intestine, Higashi M; Tanaka K; Kitada T; et al, Gastrointest Radiol 1988; 13: 85
- duodenal perforation during intubation for small bowel enema study, Diner WC, Radiology 1988; 168: 39
- intestinal ischemia: comparison of plain radiographic and computed tomographic findings, Lund EC; Han SY; Holley HC; Berland LL, Radiographics 1988; 8: 1083
- intubation routes for enteroclysis, Maglinte DDT; Lappas JC; Chernish SM; Sellink JL, Radiology 1986; 158: 553
- jejunal fold separation in adult celiac disease: relevance of enteroclysis, Herlinger H; Maglinte DDT, Radiology 1986; 158: 605
- modified technique for duodenal intubation, Jeffrey RB Jr, Radiology 1988; 169: 873
- pharmacologic agents in gastrointestinal radiology, Hall FM, Radiology 1987; 163: 289

Intestines, radiography

- radiography of the small bowel and enteroclysis: a perspective, Thoeni RF, *Invest Radiol* 1987; 22: 930
- retrograde examination of the small bowel in patients with an ileostomy, Zagoria RJ; Gelfand DW; Ott DJ, *Gastrointest Radiol* 1986; 11: 97
- retrograde ileography: value of glucagon, Morstein LH; Halpert RD; Harris ED; Feczko PJ, *Radiology* 1986; 161: 558
- small bowel edema: mosaic pattern, Davis M; Siegel M; Parker T; et al, *Gastrointest Radiol* 1988; 13: 219
- small bowel enteroclysis survey, Barloon TJ; Lu CC; Franken EA Jr; et al, *Gastrointest Radiol* 1988; 13: 203
- small bowel radiography: how, when, and why?, Maglinte DDT; Lappas JC; Kelvin FM; Rex D; Chernish SM, *Radiology* 1987; 163: 297
- Intestines, radionuclide studies**
- biliary obstruction after cholecystectomy: diagnosis with quantitative cholecystigraphy, Kloiber R; AuCoin R; Hershfield NB; Logan K; Molnar CP; Blair KM; Shaffer EA, *Radiology* 1988; 169: 643
- bowel visualization in bone scintigraphy, Ackerman L; Elam E; Bushnell D; et al, *Semin Nucl Med* 1987; 17: 81
- cholescintigraphic pattern of small bowel obstruction, Tobin M; Velchik MG; Powe J; et al, *Clin Nucl Med* 1987; 12: 223
- diagnostic significance of unusual small intestinal pattern of technetium-99m DISIDA hepatobiliary imaging studies, Chandramouly BS; Burgess CK; Vaccaro RM, *Clin Nucl Med* 1987; 12: 852
- early visualization of diverticulitis by technetium-99m pertechnetate imaging, Kwai AH; Tumeah SS, *Clin Nucl Med* 1988; 13: 373
- gravity-aided Meckel's scan, Powsner R; Royal H; Parker JA, *Clin Nucl Med* 1987; 12: 654
- nuclear medicine imaging of inflammatory bowel disease, Froelich JW, *Radiol Clin North Am* 1987; 25: 133
- postprandial blush in multiphase bone scanning, Mandell GA; Harcke HT; Sharkey C; et al, *J Nucl Med* 1987; 28: 1550
- radionuclide visualization of acute occlusive and nonocclusive intestinal ischemia, (ab), Frantzides CT; Condon RE; Tsiftsis D; et al, *Radiology* 1986; 160: 856
- technetium-99m albumin scintigraphy in the diagnosis of protein-losing enteropathy, Divgi CR; Lisann NM; Yeh SDJ; et al, *J Nucl Med* 1986; 27: 1710
- technetium-99m pertechnetate visualization of ileal duplication, Flynn BM; Summerville DA; Treves ST, *Clin Nucl Med* 1987; 12: 880
- Intestines, stenosis or obstruction**
- balloon dilatation of stricture of the ileal loop after ileal conduit diversion, Hildell J, *AJR* 1987; 149: 993
- bowel obstruction caused by gastric balloons, Conti PS; Warner CH; Fleisher AG; et al, *AJR* 1988; 151: 313
- case report: balloon catheter dilatation of an ileocolic stricture, Dobson HM; Robertson DAR, *Clin Radiol* 1988; 39: 202
- case report: ion-exchange resin bezoar in a neonate, Berman L; Briggs R; Thomas RM, *Clin Radiol* 1986; 37: 297
- cholescintigraphic pattern of small bowel obstruction, Tobin M; Velchik MG; Powe J; et al, *Clin Nucl Med* 1987; 12: 223
- chronic intestinal obstruction: value of percutaneous gastrostomy tube placement, Picus D; Marx MV; Weyman PJ, *AJR* 1988; 150: 295
- chronic traumatic diaphragmatic hernia: the significance of pleural effusion, Aronchick JM; Epstein DM; Geffer WB; Miller WT, *Radiology* 1988; 168: 675
- distension of intestinal tube balloons causing small bowel obstruction, Shapir J; Braver J, *J Canad Assoc Radiol* 1986; 37: 203
- food allergy presenting as obstruction in an infant, McIlhenny J; Sutphen JL; Block CA, *AJR* 1988; 150: 373
- gallstone ileus diagnosed by computed tomography, Grumbach K; Levine MS; Wexler JA, *JCAT* 1986; 10: 146

- heterotopic gastric mucosa presenting as small-bowel obstruction, Lodge JPA; Brennan TG; Chapman AH, *Br J Radiol* 1987; 60: 710
- intestinal pseudoobstruction caused by a new form of visceral neuropathy: palliation by radical small bowel resection, (ab), Schuffler MD; Leon SH; Krishnamurthy S, *Radiology* 1986; 160: 284
- malignant jejunal strictures after Whipple procedure: stenting with large-bore tubes and use of combined transhepatic and peroral approach, Burke DR; Weinstein JK, *Radiology* 1988; 169: 258
- neonatal duodenum: fluid-aided US examination, Cohen HL; Haller JO; Mestel AL; Coren C; Schechter S; Eaton DH, *Radiology* 1987; 164: 805
- pseudoobstruction in the geriatric population, Adler YT; Draths KG; Markey WS, *Radiographics* 1986; 6: 995
- radiologically guided balloon dilation of gastrointestinal strictures: part I. technique and factors influencing procedural success, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, *Radiology* 1987; 165: 35
- radiologically guided balloon dilation of gastrointestinal strictures: part II. results of long-term follow-up, McLean GK; Cooper GS; Hartz WH; Burke DR; Meranze SG, *Radiology* 1987; 165: 41
- renal stone ileus, Bahn DK; Brown RK; Reidinger AA; et al, *AJR* 1988; 150: 145
- small bowel obstruction due to enterolith: CT appearance, Berry DF; Willing SJ; Beers GJ, *JCAT* 1987; 11: 707
- small bowel obstruction due to Garren gastric bubble: radiographic diagnosis, Zeman RK; Benjamin SB; Cunningham MB; et al, *AJR* 1988; 150: 581
- small bowel pseudo-obstruction in Kawasaki disease, Miyake T; Kawamori J; Yoshida T; et al, *Pediatr Radiol* 1987; 17: 383
- use of tubes and radiographs in the management of small bowel obstruction, (ab), Brolin RE; Krasna MJ; Mast BA, *Radiology* 1988; 166: 908
- water-soluble contrast media in radiography of small bowel obstruction: comparison of ionic and non-ionic contrast media, Stordahl A; Laerum J; Gjøllberg T; et al, *Acta Radiol* 1988; 29: 53
- Intestines, surgery**
- augmentation and replacement cystoplasty: sonographic findings, Hertzberg BS; Bowie JD; King LR; Webster GD, *Radiology* 1987; 165: 853
- Intestines, ulcer**
- See Peptic ulcer
- Intestines, US studies**
- appendices epiploicae of the large bowel: sonographic appearance and differentiation from peritoneal seeding, Derchi LE; Reggiani L; Rebaudi F; et al, *J Ultrasound Med* 1988; 7: 11
- campylobacter ileocolitis mimicking acute appendicitis: differentiation with graded-compression US, Puylaert JBCM; Lalisang RI; van der Werf SDJ; Doornbos L, *Radiology* 1988; 166: 737
- Crohn disease of the ileocecal region: US visualization of the appendix, Puylaert JBCM; van der Werf SDJ; Ulrich C; Veldhuizen RW, *Radiology* 1988; 166: 741
- cross-sectional imaging of inflammatory bowel disease, Gore RM, *Radiol Clin North Am* 1987; 25: 115
- Doppler ultrasound in the diagnosis of intestinal ischemia, Hartnell GG; Gibson RN, *Gastrointest Radiol* 1987; 12: 285
- Doppler ultrasound, laser Doppler, and perfusion fluorimetry in bowel ischemia, (ab), Lynch CG; Hobson RW II; Kerr JC; et al, *Radiology* 1988; 168: 883
- enterovenous fistula: unusual complication of Crohn disease, Ajzen SA; Gibney RG; Cooperberg PL; Scudamore CH; Miller RR, *Radiology* 1988; 166: 745
- midgut malrotation diagnosed by ultrasound, Gaines PA; Saunders AJ; Drake D, *Clin Radiol* 1987; 38: 51
- sonographic and pathologic correlation in intussusception of the bowel, Verbanck JJ; Rutgeerts LJ; Douterlungne PH; et al, *JCU* 1986; 14: 393
- sonographic detection of postsurgical recurrence of Crohn disease, DiCandio G; Mosca F; Campatelli A; et al, *AJR* 1986; 146: 523

- sonographic detection of small intestinal subserosal lymphofollicular hyperplasia, Murayama S; Haruta R, *J Ultrasound Med* 1986; 5: 217
- sonographic diagnosis of neutropenic typhilitis, Teeffey SA; Montana MA; Goldfogel GA; et al, *AJR* 1987; 149: 731
- ultrasonographic diagnosis of typhilitis (neutropenic colitis), Alexander JE; Williamson SL; Seibert JJ; et al, *Pediatr Radiol* 1988; 18: 200
- ultrasound findings in Crohn's disease and ulcerative colitis: prospective study, Worlicek H; Lutz H; Heyder N; et al, *JCU* 1987; 15: 153
- ultrasound in the evaluation of bowel disorders, Poznaniak MA; Scanlan K; Yandow D, *Semin US CT MR* 1987; 8: 366
- Intestines, varices**
- small-bowel varices due to mesenteric metastasis, Radin DR; Siskind BN; Alpert S; et al, *Gastrointest Radiol* 1986; 11: 183
- Intestines, volvulus**
- cecal volvulus: complication of colonoscopy, Radin DR; Halls JM, *Gastrointest Radiol* 1986; 11: 110
- complications of endoscopic gastrostomy: pneumoperitoneum and volvulus of the colon, Ghahremani GG; Tsang T-K; Vakil N, *Gastrointest Radiol* 1987; 12: 172
- CT diagnosis of primary small-bowel volvulus, Jaramillo D; Raval B, *AJR* 1986; 147: 941
- neonatal duodenum: fluid-aided US examination, Cohen HL; Haller JO; Mestel AL; Coren C; Schechter S; Eaton DH, *Radiology* 1987; 164: 805
- percutaneous decompression of cecal volvulus, Patel D; Ansari E; Berman MD, *AJR* 1987; 148: 747
- simultaneous intussusception and sigmoid volvulus in a child, Leeba JM; Boas RN, *Pediatr Radiol* 1986; 16: 248
- vascular compromise in chronic volvulus with midgut malrotation, Mori H; Hayashi K; Futagawa S; et al, *Pediatr Radiol* 1987; 17: 277
- Intussusception**
- adult jejunojejunal intussusception: a case report, Nuruddin RN; Zakariya AH; Abdullah D, *Australas Radiol* 1987; 31: 269
- case report: diagnosis and hydrostatic reduction of an intussusception under ultrasound guidance, (ab), Bolia AA, *Radiology* 1986; 159: 571
- cholecystojejunostomy intussusception, Porter DH; Kim D; Austin RM, *Gastrointest Radiol* 1988; 13: 227
- comparison of oxygen and barium reduction of ileocolic intussusception, Phelan E; de Campo JF; Malecky G, *AJR* 1988; 150: 1349
- computed tomography of intussusception due to colon lipoma, Hodgman CC; Lantz EJ; Maus TP; et al, *JCAT* 1987; 11: 740
- diagnosis of a right iliac fossa mass by computed tomography, McLaughlin SJ; Gray JG; Braithwaite M, *Br J Radiol* 1986; 59: 623
- duodenojejunal intussusception secondary to duodenal tumors, Van Beers B; Trigaux J-P; Pringot J, *Gastrointest Radiol* 1988; 13: 24
- enteroenteric intussusception: CT findings in nine patients, Merine D; Fishman EK; Jones B; et al, *AJR* 1987; 148: 1129
- gastroduodenal intussusception secondary to prolapsing gastric tumors, Kleinhau U; Weich YL; Maoz S, *Gastrointest Radiol* 1986; 11: 229
- ileocolic intussusception: hydrostatic reduction in the presence of the dissection sign, Johnson JF; Shiels WE II, *Pediatr Radiol* 1986; 16: 514
- intimo-intimal intussusception: an unusual presentation of aortic dissection, Kastan DJ; Sharma RP; Keith F; et al, *AJR* 1988; 151: 603
- intussuscepted Meckel diverticulum: radiologic-pathologic correlation, Black ML; Ros PR; Smirniotopoulos JG; et al, *Comput Radiol* 1987; 11: 245
- intussusception in adults, Agha FP, *AJR* 1986; 146: 527
- intussusception in infants and children: diagnosis and therapy, Bisset GS III; Kirks DR, *Radiology* 1988; 168: 141

- intussusception reduction in children by rectal insufflation of air, Gu L; Alton DJ; Daneman A; et al, *AJR* 1988; 150: 1345
- intussusception secondary to squamous carcinoma of the lung, Listrom MB; Davis M; Lowry S; et al, *Gastrointest Radiol* 1988; 13: 224
- management of intussusception, Paes RA; Hyde I; Griffiths DM, *Br J Radiol* 1988; 61: 187
- nonsurgical treatment of intussusception, Franken EA Jr, *AJR* 1988; 150: 1353
- pneumatic reduction of ileocolic intussusception in children, Miles SG; Cumming WA; Williams JL, *Pediatr Radiol* 1988; 18: 3
- radiographic and sonographic findings in spontaneous retrograde intussusception, Halasa C; Quon D; Preshaw RM; et al, *J Canad Assoc Radiol* 1987; 38: 294
- retrograde jejuno-duodeno-gastric intussusception, (ab), Lamont AC; Rode H, *Radiology* 1986; 158: 575
- simultaneous intussusception and sigmoid volvulus in a child, Leeba JM; Boas RN, *Pediatr Radiol* 1986; 16: 248
- sonographic and pathologic correlation in intussusception of the bowel, Verbanck JJ; Rutgeerts J; Douterlungne PH; et al, *JCU* 1986; 14: 393
- ultrasound case of the day: annual meeting, 1987, Sandler MA; Katz ME; Madrazo BL; Beute HG; Keigley BA; Riga PM; Berger JA; Kellman GM, *Radiographics* 1988; 8: 585
- ultrasound findings of chronic intussusception in a patient with cystic fibrosis, Mulvihill DM, *J Ultrasound Med* 1988; 7: 353
- Iodine and iodine compounds**
- distribution of iodized oil within the liver after hepatic arterial injection, Miller DL; O'Leary TJ; Gorton ME, *Radiology* 1987; 162: 849
- distribution of iodized oil within the liver after hepatic arterial injection, Park CH; Thakur ML; Madsen MT, *Radiology* 1987; 164: 585
- distribution of iodized oil within the liver after hepatic arterial injection: reply, Miller DL; Gorton ME; O'Leary TJ, *Radiology* 1987; 164: 586
- hepatocellular carcinoma: treatment with intraarterial iodized oil with and without chemotherapeutic agents, Takayasu K; Shima Y; Muramatsu Y; Moriama N; Yamada T; Makuuchi M; Hasegawa H; Hirohashi S, *Radiology* 1987; 163: 345
- iodized oil in the portal vein after arterial embolization, Nakamura H; Hashimoto T; Oi H; Sawada S, *Radiology* 1988; 167: 415
- multiple sclerosis: gadolinium enhancement in MR imaging, Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH, *Radiology* 1986; 161: 721
- Nal(Tl) camera crystals: imaging capabilities of hydrated regions on the crystal surface, Kesztelyi-Landori S, *Radiology* 1986; 158: 823
- Iodine and iodine compounds, radioactive**
- cerebral edema following iodine-131 therapy for thyroid carcinoma metastatic to the brain, Datz FL, *J Nucl Med* 1986; 27: 637
- determination of iodine-131 diagnostic dose for imaging metastatic thyroid cancer, Arnstein NB; Carey JE; Spaulding SA; et al, *J Nucl Med* 1986; 27: 1764
- hepatic artery injection of I-131-labeled lipiodol. part I. biodistribution study results in patients with hepatocellular carcinoma and liver metastases, Raoul J-L; Bourguet P; Bretagne J-F; Duvauferrier R; Coornaert S; Darnault P; Ramée A; Herry J-Y; Gastard J, *Radiology* 1988; 168: 541
- hepatic artery injection of I-131-labeled lipiodol. part II. preliminary results of therapeutic use in patients with hepatocellular carcinoma and liver metastases, Bretagne J-F; Raoul J-L; Bourguet P; Duvauferrier R; Deugnier Y; Faroux R; Ramée A; Herry J-Y; Gastard J, *Radiology* 1988; 168: 547
- human breast milk excretion of iodine-131 following diagnostic and therapeutic administration to a lactating patient with Graves' disease, Dydek CJ; Blue FW, *J Nucl Med* 1988; 29: 407
- impact of radiocontaminants in commercially available iodine-123: dosimetric evaluation, Ziesman HA; Fahey FH; Gochoco JM, *J Nucl Med* 1986; 27: 428
- iodine 131 total body scan—extrathyroidal uptake of radioiodine, Wu S-Y; Brown T; Milne N; et al, *Semin Nucl Med* 1986; 16: 82
- ¹²⁵Iodine implantation after lymphadenectomy in early carcinoma of the prostate, Giles GM; Brady LW, *Int J Radiat Oncol Biol Phys* 1986; 12: 2117
- lithium as an adjuvant of iodine-131 uptake when treating patients with well-differentiated thyroid carcinoma, Pons F; Carro I; Estorch M; et al, *Clin Nucl Med* 1987; 12: 644
- long-term hazards of the treatment of thyroid cancer with radioiodine, Edmonds CJ; Smith T, *Br J Radiol* 1986; 59: 45
- lung tumors: percutaneous implantation of I-125 sources with CT treatment planning, Heelan RT; Hilaris BS; Anderson LL; Nori D; Martini N; Watson RC; Caravelli JF; Linares LA, *Radiology* 1987; 164: 735
- measurement of myocardial fatty acid metabolism: kinetics of iodine-123 heptadecanoic acid in normal dog hearts, Schon HR; Senekowitsch R; Berg D; et al, *J Nucl Med* 1986; 27: 1449
- mediastinal hemorrhage after treatment of thyrotoxicosis using radioiodine, Piers DA; Janssen S; Oosten HR; et al, *Clin Nucl Med* 1988; 13: 574
- metabolism of iodine-131 metaiodobenzylguanidine in patients with metastatic pheochromocytoma, Mangner TJ; Tobes MC; Wieland DM; et al, *J Nucl Med* 1986; 27: 37
- metastatic differentiated carcinoma of the thyroid and radioiodine, Andrews JT; McGinnisken MR, *Australas Radiol* 1987; 31: 41
- oedema of the neck after ablation of the thyroid with radioactive iodine, Goolden AWG; Kam KC; Fitzpatrick ML; et al, *Br J Radiol* 1986; 59: 583
- portosystemic shunting in portal hypertension: evaluation with portal scintigraphy with transrectally administered I-123 IMP, Kashiwagi T; Azuma M; Ikawa T; Takehara T; Matsuda H; Yoshioka H; Mitsutani N; Koizumi T; Kimura K, *Radiology* 1988; 169: 137
- preleukemia following large dose radioiodine therapy for metastatic thyroid carcinoma, Yoosufani Z; Slavin JD Jr; Hellman RM; et al, *J Nucl Med* 1987; 28: 1348
- prostatic cancer therapy: comparison of external-beam radiation and I-125 seed implantation treatment of stages B and C neoplasms, Morton JD; Harrison LB; Peschel RE, *Radiology* 1986; 159: 249
- quantitative evaluation of iodine-123 hippuran gamma camera renography in normal children, Carlsen O; Kvinesdal B; Nathan E, *J Nucl Med* 1986; 27: 117
- radiation dosimetry from breast milk excretion of radioiodine and perchlorate, Hedrick WR; Di Simone RN; Keen RL, *J Nucl Med* 1986; 27: 1569
- radioactive iodine and cesium in travellers to different parts of Europe after the Chernobyl accident, Stenke L; Axelsson B; Ekman M; et al, *Acta Oncol* 1987; 26: 207
- radioactive iodine exchange reaction of HIPDM: kinetics and mechanism, Lui B; Chang J; Sun JS; et al, *J Nucl Med* 1987; 28: 360
- radiochemical purity and in vitro stability of commercial hippurans, Hammermaier A; Reich E; Bogl W, *J Nucl Med* 1986; 27: 850
- radioiodinated biotin derivatives for in vitro radioassays, Livaniou E; Evangelatos GP; Ithakissios DS, *J Nucl Med* 1987; 28: 1430
- radioiodine therapy of hyperthyroidism precludes thallium-201 myocardial scintigraphy, Orzel JA; Krueyer WB; Borchert RD, *Clin Nucl Med* 1987; 12: 110
- radioiodine treatment of solitary functioning thyroid nodules, Ratcliffe GE; Cooke S; Fogelman I; et al, *Br J Radiol* 1986; 59: 385
- radiolabeling with organomercury compounds: part 2. high specific activity synthesis of iodine-125 and iodine-131-6-iodocholest-5-en-3 β -ol and its tissue distribution in rats, Flanagan RJ; Charleson FP; Synnes EI; et al, *J Nucl Med* 1986; 27: 1165
- scanning with iodine-131 MIBG in children with solid tumors: initial appraisal, Hadley GP; Rabe E, *J Nucl Med* 1986; 27: 620
- serial thyroid iodine content in hyperthyroid patients treated with radioiodine, Lee GS; Sandler MP; Patton JA; et al, *Clin Nucl Med* 1986; 11: 115
- side effects of "rational dose" iodine-131 therapy for metastatic well-differentiated thyroid carcinoma, Van Nostrand D; Neutze J; Atkins F, *J Nucl Med* 1986; 27: 1519
- spurious thyroid cancer metastasis: saliva contamination artifact in high dose iodine-131 metastases survey, Park H-M; Tarver RD; Schaeffer DS; et al, *J Nucl Med* 1986; 27: 634
- technetium-99m-d,l-HM-PAO: new radiopharmaceutical for imaging regional brain perfusion using SPECT—comparison with iodine-123 HIPDM, Leonard J-P; Nowotnik DP; Neirincx RD, *J Nucl Med* 1986; 27: 1819
- therapeutic doses of iodine-131 reveal undiagnosed metastases in thyroid cancer patients with detectable serum thyroglobulin levels, Pacini F; Lippi F; Formica N; et al, *J Nucl Med* 1987; 28: 1888
- virally carrier for I-125 seeds: percutaneous transperineal insertion, Kumar PP; Good RR, *Radiology* 1986; 159: 276
- Iohexol**
- adverse reactions after iohexol lumbar myelography: influence of postprocedural positioning, Kuuliala IK; Goransson HJ, *AJNR* 1987; 8: 547
- adverse reactions following two separate intravascular injections of contrast media in the same patient: comparison between iohexol and monomeric ionic media, Sogn EE; Odegard T; Haider T; et al, *Acta Radiol* 1987; 28: 93
- ascending lower-limb phlebography: comparative study of Hexabrix 320, iohexol 300 and iohexol 240, Hall-Craggs MA; Hine AL, *Br J Radiol* 1986; 59: 685
- comparative trial of hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and iopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report, Doyon D; Ducot B; Halimi PH; et al, *Br J Radiol* 1987; 60: 671
- comparison of iohexol and iopamidol for lumbar myelography, Hoe JWM; Ng AMN; Tan LKA, *Clin Radiol* 1986; 37: 505
- comparison of iohexol and ioxaglate for intravenous digital subtraction angiography of the neck and head, Delcour C; Vanderhofstad A; Vandenbosch G; et al, *Invest Radiol* 1987; 22: 811
- comparison of two strengths of iohexol and iohalamate in urography, Davies P; Glaves J; Panto PN; et al, *Urol Radiol* 1987; 9: 30
- complications in cerebral angiography with iohexol (Omnipaque) and meglumine metrizoate (Isopaque cerebral), Skalte IO, *Neuroradiol* 1988; 30: 69
- computed tomography, magnetic resonance imaging, and pathologic observations of effects of intrathecal metrizamide and iohexol on the canine central nervous system, Wood AKW; Kundel HL; McGrath JT; et al, *Invest Radiol* 1987; 22: 672
- contrast enhancement of brain tumors and irradiated normal brain: comparison of iohexol and iohalamate, Fike JR; Cann CE; Turowski K; et al, *Neuroradiol* 1986; 28: 61
- effect of intrathecal iohexol on visual evoked response latency: comparison including incidence of headache with iopamidol and metrizamide in myelographic studies, Broadbridge AT; Baylis SG; Brayshaw CI, *Clin Radiol* 1987; 38: 71
- effects of intravascular contrast media on blood-brain barrier: comparison between iohalamate, iohexol, iopentol and iodoxanol, Michelet AA, *Acta Radiol* 1987; 28: 329

- effects of metrizoate and iohexol on the liver at visceral angiography. Billström A; Hietala S-O; Wirell S. *Acta Radiol* 1987; 28: 707
- esophageal disruption: evaluation with iohexol esophagography. Brick SH; Caroline DF; Lev-Toaff AS; Friedman AC; Grumbach K; Radecki PD. *Radiology* 1988; 169: 141
- excretion of iohexol and metrizoate in human breast milk. Nielsen ST; Matheson I; Rasmussen JN; et al. *Acta Radiol* 1987; 28: 523
- experiences with iohexol (Omnipaque) at urography. Fjellidal A; Nordshus I; Eriksson J. *Pediatr Radiol* 1987; 17: 491
- fatal acute vasculitis after high-dose urography with iohexol. Goodfellow T; Holdstock GE; Brunton FJ; et al. *Br J Radiol* 1986; 59: 620
- high-dose iohexol myelography. Simon JH; Ekholm SE; Kido DK; Utz R; Erickson J. *Radiology* 1987; 163: 455
- idiosyncratic reaction to intracoronary injection of non-ionic contrast media. Bishop N; Rees MR. *Clin Radiol* 1988; 39: 396
- incidence of ventricular fibrillation during coronary arteriography in the rabbit: comparative study of isotonic ioxaglate and iohexol. Donadieu AM; Hartl C; Cardinal A; et al. *Invest Radiol* 1987; 22: 106
- iohexol 300 mg I/ml versus iopamidol 300 mg I/ml for cervical myelography double blind trial. Valk J; Crezee FC; de Slegte RGM; et al. *Neuroradiol* 1987; 29: 202
- iohexol and ioxaglate in peripheral angiography. Stiris MG; Laerum F. *Acta Radiol* 1987; 28: 767
- iohexol inhibits adenylate cyclase. Harnish PP; Northington FK; Samuel KA. *Invest Radiol* 1988; 23: 139
- iohexol in paediatric myelography: open non-comparative trial. Kendall B. *Neuroradiol* 1986; 28: 65
- iopamidol and neural tissue metabolism: comparative in vitro study. Ekholm SE; Morris TW; Fonte D; et al. *Invest Radiol* 1986; 21: 798
- low dose low osmolar intravenous urography. Eyes BE; Goldman M; Nixon TE; et al. *Clin Radiol* 1987; 38: 403
- lumbar myelography with Omnipaque (iohexol). Lilleas F; Bach-Gansmo T; Weber H. *Neuroradiol* 1986; 28: 344
- metrizamide compared with iohexol for cervical myelography: a double-blind study. Reisin R; Ethier R; de la Sayette V; et al. *J Canad Assoc Radiol* 1988; 39: 107
- myelography with iohexol (Omnipaque): a clinical report with special reference to the adverse effects. Skälpe IO; Nakstad P. *Neuroradiol* 1988; 30: 169
- nonionic versus ionic contrast media in intravenous urography: clinical trial in 1,000 consecutive patients. Jacobson BF; Jorulf H; Kalantar MS; Narasimham DL. *Radiology* 1988; 167: 601
- penetration of subarachnoid contrast medium into rabbit spinal cord: comparison between metrizamide and iohexol. Holtas S; Morris TW; Ekholm SE; et al. *Invest Radiol* 1986; 21: 151
- quality of urograms in infants: a comparison of sodium diatrizoate, metrizamide and iohexol. Rawlinson J; Hyde I; Williams J. *Br J Radiol* 1988; 61: 592
- risk of seizures after myelography: comparison of iohexol and metrizamide. Maly P; Bach-Gansmo T; Elmquist D. *AJNR* 1988; 9: 879
- side effects after diagnostic lumbar puncture and lumbar iohexol myelography. Sand T; Stovner LJ; Dale L; et al. *Neuroradiol* 1987; 29: 385
- spinal angiography with iohexol. Kendall B. *Neuroradiol* 1986; 28: 72
- three new low-osmolality contrast agents: a comparative study of patient discomfort. Smith DC; Yahiku PY; Maloney MD; et al. *AJNR* 1988; 9: 137
- Iopamidol**
- acute systemic and renal hemodynamic effects of meglumine/sodium diatrizoate 76% and iopamidol in euvoletic and dehydrated dogs. Katzberg RW; Morris TW; Lasser EC; et al. *Invest Radiol* 1986; 21: 793
- blood gas pH and pulmonary response to the inhalation of low osmolar contrast media iopamidol and ioxaglate. Isdale JM; Leibowitz B; Austin JC; et al. *Invest Radiol* 1987; 22: 908
- comparative effects of nonionic (iopamidol) and ionic (sodium and meglumine diatrizoate) contrast media for urography on urinary excretion of water and solutes. Garibotto G; Saffioti S; Garlaschi G; et al. *Urol Radiol* 1986; 8: 199
- comparison of iohexol and iopamidol for lumbar myelography. Hoe JWM; Ng AMN; Tan LKA. *Clin Radiol* 1986; 37: 505
- CT iopamidol cisternographic diagnosis of coexisting partial empty sella and pituitary adenoma: report of two cases. Pompili A; Iachetti M; Bianchini AL; et al. *Neuroradiol* 1987; 29: 93
- double-blind study comparing the efficiency, tolerance and renal effects of iopromide and iopamidol. Kennedy C; Richards D; Lee S; et al. *Br J Radiol* 1988; 61: 288
- effect of intrathecal iohexol on visual evoked response latency: comparison including incidence of headache with iopamidol and metrizamide in myelographic urography. Broadbridge AT; Bayliss SG; Brayshaw CI. *Clin Radiol* 1987; 38: 71
- effect on the blood-brain barrier of intracarotid contrast media—iopamidol and diatrizoate. Hayakawa K; Nakamura R; Ishii Y. *Eur J Radiol* 1988; 8: 47
- evaluation of iopamidol and diatrizoate in excretory urography: a double-blind clinical study. Cochran ST; Ballard JW; Katzberg RW; et al. *AJR* 1988; 151: 523
- haemorrhagic necrosis of the grey matter of the spinal cord due to accidental injection of iopamidol in a patient with multiple neurofibromas: a clinico-pathological study. Roos RAC; Voormolen JHC; Vielvoje GJ; et al. *Neuroradiol* 1988; 30: 178
- heating contrast media: role in contemporary angiography. Halsell RD. *Radiology* 1987; 164: 276
- idiosyncratic reaction to intracoronary injection of non-ionic contrast media. Bishop N; Rees MR. *Clin Radiol* 1988; 39: 396
- intrathecal administration of iopamidol in children: clinical and diagnostic results. Wells RG; Seidel FG; Sty JR; et al. *Pediatr Radiol* 1988; 18: 190
- iohexol 300 mg I/ml versus iopamidol 300 mg I/ml for cervical myelography double blind trial. Valk J; Crezee FC; de Slegte RGM; et al. *Neuroradiol* 1987; 29: 202
- iopamidol 150 in intra-arterial digital angiography of the peripheral vasculature: a comparative study. Rossi P; Pavone P; Castrucci M; et al. *Eur J Radiol* 1988; 8: 85
- iopamidol 300—induced epilepsy: intensive treatment and pathogenic hypothesis. Carchetti E; Baldassarre M; Penco T; et al. *Neuroradiol* 1988; 30: 256
- iopamidol and neural tissue metabolism: comparative in vitro study. Ekholm SE; Morris TW; Fonte D; et al. *Invest Radiol* 1986; 21: 798
- iopamidol in the diagnosis of suspected upper gastro-intestinal perforation. Bell KE; McKinstry CS; Mills JOM. *Clin Radiol* 1987; 38: 165
- iotrolan versus iopamidol for radiculography: a randomized double-blind study. Coutinho C; McGeorge A; Macpherson P; et al. *Br J Radiol* 1988; 61: 89
- low dose low osmolar intravenous urography. Eyes BE; Goldman M; Nixon TE; et al. *Clin Radiol* 1987; 38: 403
- pharmacokinetics of iopamidol after intrathecal administration in humans. Duchin KL; Drayer BP; Ross M; et al. *AJNR* 1986; 7: 895
- pulmonary angiography with iopamidol: patient comfort, image quality, and hemodynamics. Saeed M; Braun SD; Cohan RH; Sussman SK; Illescas FF; Perlmutter LM; Newman GE; Dunnick NR. *Radiology* 1987; 165: 345
- rate of clearance of intrathecal iopamidol in the dog. Wilcox J; Evill CA; Sage MR. *Neuroradiol* 1986; 28: 359
- seizure after intrathecal administration of iopamidol. Lipman JC; Wang A-M; Brooks ML; et al. *AJNR* 1988; 9: 787
- three new low-osmolality contrast agents: a comparative study of patient discomfort. Smith DC; Yahiku PY; Maloney MD; et al. *AJNR* 1988; 9: 137
- tissue reaction following endobronchial application of iopamidol and ioxithalamate in rats. Aufermann W; Geisel T; Wohltmann D; et al. *Eur J Radiol* 1988; 8: 13
- Iophendylate**
- cerebrospinal fluid-iophendylate contrast on gradient-echo MR images. Jack CR Jr; Gehring DG; Ehman RL; Felmlee JP. *Radiology* 1988; 169: 561
- iophendylate (Pantopaque) and MR imaging of the spine. Anand AK; Halthore SN; Wani S. *Comput Radiol* 1987; 11: 165
- MR characteristics of iophendylate (Pantopaque). Hackney DB; Grossman RI; Zimmerman RA; et al. *JCAT* 1986; 10: 401
- Pantopaque mimicking spinal lipoma: MR pitfall. Suojanen J; Wang A-M; Winston KR. *JCAT* 1988; 12: 346
- Ioxaglate**
- anaphylaxis following "hexabrix" during routine coronary angiography. Langton JA; Magee P; Sedgwick J; et al. *Eur J Radiol* 1988; 8: 60
- ascending lower-limb phlebography: comparative study of Hexabrix 320, iohexol 300 and iohexol 240. Hall-Craggs MA; Hine AL. *Br J Radiol* 1986; 59: 685
- blood gas pH and pulmonary response to the inhalation of low osmolar contrast media iopamidol and ioxaglate. Isdale JM; Leibowitz B; Austin JC; et al. *Invest Radiol* 1987; 22: 908
- clinical use of Hexabrix for radiological evaluation of leakage from the upper gastrointestinal tract based on experimental study. Ginal AZ. *Br J Radiol* 1987; 60: 343
- comparative trial of hexabrix (320 mg iodine/ml), iohexol (300 mg iodine/ml) and iopamiron (300 mg iodine/ml) in cerebral and spinal angiography: a preliminary report. Doyon D; Ducot B; Halimi PH; et al. *Br J Radiol* 1987; 60: 671
- comparison of iohexol and ioxaglate for intravenous digital subtraction angiography of the neck and head. Delcour C; Vanderhofstad A; Vandenbosch G; et al. *Invest Radiol* 1987; 22: 811
- experimental investigations of the Hexabrix-papaverine interaction. McGill JE; Rysavy JA; Erick MP. *Radiology* 1988; 166: 577
- heating contrast media: role in contemporary angiography. Halsell RD. *Radiology* 1987; 164: 276
- high dose brain CT with ioxaglate and diatrizoate adverse reactions and effects on urine protein tests. Raininko R; Laivola J; Irjala K. *Eur J Radiol* 1988; 8: 44
- high-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent. Spataro RF; Katzberg RW; Fischer HW; McMannis MJ. *Radiology* 1987; 162: 9
- incompatibility of Hexabrix and Papaverine. Pilla TJ; Beshany SE; Shields JB. *AJR* 1986; 146: 1300
- iohexol and ioxaglate in peripheral angiography. Stiris MG; Laerum F. *Acta Radiol* 1987; 28: 767
- low dose low osmolar intravenous urography. Eyes BE; Goldman M; Nixon TE; et al. *Clin Radiol* 1987; 38: 403
- Omnipaque vs. Hexabrix in intravenous DSA of the carotid arteries: randomized double-blind crossover study. Nakstad PH; Bakke SJ; Kjartansson O; et al. *AJNR* 1986; 7: 303
- optimal concentration of contrast medium for aortography and femoral arteriography: comparison of Hexabrix 320 and Hexabrix 250. Grainger RG. *Clin Radiol* 1986; 37: 281
- safety and efficacy of sodium and meglumine ioxaglate (Hexabrix) and Hypaque M60% in contrast-enhanced computed cranial tomographic scanning: double-blind chemical study. Ramsey RG; Czervionke L; Dommers M; et al. *Invest Radiol* 1987; 22: 56

- three new low-osmolality contrast agents: a comparative study of patient discomfort. Smith DC; Yahiku PY; Maloney MD; et al. *AJNR* 1988; 9: 137
- Iridium, radioactive**
- accuracy of the line and point source approximations in IR-192 dosimetry. Williamson JF. *Int J Radiat Oncol Biol Phys* 1986; 12: 409
- accurate method of ¹⁹²Ir wire implantation for locally advanced carcinoma of breast. Teo P; Chung D. *Acta Oncol* 1987; 26: 273
- improved dose distribution with customized I-125 source loading in temporary interstitial implants. Ling CC; Huang DY; Barnett C; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 769
- integrated system for interstitial ¹⁹²Ir implants. Bourland JD; Reynolds KL; Chaney EL; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 455
- iridium-192 implants for primary breast cancer: experience with placement at the time of wide local excision. McCormick B; Wesson MF; Cox L; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 745
- limited external beam and interstitial ¹⁹²Ir irradiation in the treatment of carcinoma of the base of the tongue: a ten year experience. Puthawala AA; Syed AMN; Eads DL; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 839
- new methods for implanting plastic tubes for ¹⁹²Ir brachytherapy using steel needles. Colthart RS; Newman HFV; Watson JV. *Clin Radiol* 1987; 38: 275
- radiation therapy for carcinoma of the pinna using iridium 192 wires: series of 70 patients. Mazon J-J; Ghalib R; Zeller J; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1757
- surface mold using iridium-192 seeds. Rosen I; Gordon W Jr; Loyd M. *Int J Radiat Oncol Biol Phys* 1986; 12: 2203
- template-guided interstitial implants: Cs-137 reusable sources as a substitute for Ir-192. Williamson JF; Semnoff T. *Radiology* 1987; 165: 265
- use of simulator-based computed tomography in iridium-192 dosimetry. Kotre CJ; Lambert GD; Dawes PJD. *Br J Radiol* 1986; 59: 1035
- Iron**
- brain iron in patients with Parkinson disease: MR visualization using gradient modification. Norrby JF; Chiaradonna NL; Heiser WJ; et al. *AJNR* 1988; 9: 237
- ferrite-enhanced MR imaging of hepatic lymphoma: an experimental study in rats. Weissleder R; Stark DD; Compton CC; et al. *AJR* 1987; 149: 1161
- ferrite particles as an MR contrast agent. Saini S; Ferrucci JT. *Radiology* 1988; 169: 656
- ferrite particles for bowel contrast in MR imaging: design issues and feasibility studies. Hahn PF; Stark DD; Saini S; Lewis JM; Wittenberg J; Ferrucci JT Jr. *Radiology* 1987; 164: 37
- imaging of the aging brain: part I. normal findings. Drayer BP. *Radiology* 1988; 166: 785
- iron accumulation in the basal ganglia following severe ischemic-anoxic insults in children. Dietrich RB; Bradley WG Jr. *Radiology* 1988; 168: 203
- magnetic resonance imaging of brain iron. Drayer BP; Burger P; Darwin R; et al. *AJNR* 1986; 7: 373
- MR imaging of splenic metastases: ferrite-enhanced detection in rats. Weissleder R; Hahn PF; Stark DD; et al. *AJR* 1987; 149: 723
- multiple system atrophy (Shy-Drager syndrome): MR imaging. Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L. *Radiology* 1986; 159: 499
- Parkinson plus syndrome: diagnosis using high field MR imaging of brain iron. Drayer BP; Olanow W; Burger P; Johnson GA; Herfkens R; Riederer SJ. *Radiology* 1986; 159: 493
- quantitation of MR relaxation effects of iron oxide particles in liver and spleen. Majumdar S; Zoghbi S; Pope CF; Gore JC. *Radiology* 1988; 169: 653
- relaxometry of ferritin solutions and the influence of the Fe³⁺ core ions. Koenig SH; Brown RD III; Gibson JF; et al. *Magn Res Med* 1986; 3: 755
- sickle-cell nephropathy: MR imaging. Lande IM; Glazer GM; Sarnaik S; Aisen AM; Rucknagel D; Martel W. *Radiology* 1986; 158: 379
- splenic lymphoma: ferrite-enhanced MR imaging in rats. Weissleder R; Stark DD; Rummeny EJ; Compton CC; Ferrucci JT. *Radiology* 1988; 166: 423
- structure, function, and regulation of transferrin receptors. Ward JH. *Invest Radiol* 1987; 22: 74
- study of movement disorders and brain iron by MR. Rutledge JN; Hilal SK; Silver AJ; et al. *AJNR* 1987; 8: 397
- superparamagnetic iron oxide: clinical application as a contrast agent for MR imaging of the liver. Stark DD; Weissleder R; Elizondo G; Hahn PF; Saini S; Todd LE; Wittenberg J; Ferrucci JT. *Radiology* 1988; 168: 297
- superparamagnetic iron oxide: enhanced detection of focal splenic tumors with MR imaging. Weissleder R; Hahn PF; Stark DD; Elizondo G; Saini S; Todd LE; Wittenberg J; Ferrucci JT. *Radiology* 1988; 169: 399
- visualization of brain iron by mid-field MR. Norrby JF; Couch JR; Elble RJ; et al. *AJNR* 1988; 9: 77
- Islet-cell neoplasms**
- See Pancreas, neoplasms
- J**
- Jaundice**
- bile duct obstruction: radiologic evaluation of level, cause, and tumor resectability. Gibson RN; Yeung E; Thompson JN; Carr DH; Hemingway AP; Bradpiece HA; Benjamin IS; Blumgart LH; Allison DJ. *Radiology* 1986; 160: 43
- case of biliary atresia and polysplenia: evaluation by hepatobiliary scintigraphy. Sullivan RF; Madell SJ; Oates E; et al. *Clin Nucl Med* 1987; 12: 55
- comparative imaging: bile-plug syndrome. Sty JR; Wells RG; Schroeder BA. *Clin Nucl Med* 1987; 12: 489
- computed tomography of obstructive jaundice secondary to duodenal hematoma. Aston JK. *CT* 1986; 10: 171
- diagnosis and treatment of jaundice. May GR; James EM; Bender CE; Williams HJ Jr; Adson MA. *Radiographics* 1986; 6: 847
- fine needle aspiration biopsy in malignant obstructive jaundice. Cohan RH; Illescas FF; Braun SD; et al. *Gastrointest Radiol* 1986; 11: 145
- idiopathic fibrosing pancreatitis: a cause of obstructive jaundice in childhood. Atkinson GO; Jr; Wyly JB; Gay BB Jr; et al. *Pediatr Radiol* 1988; 18: 28
- mycotic aneurysm of the right hepatic artery presenting with obstructive jaundice. Tierney AB; Palmer FJ. *Australas Radiol* 1987; 31: 50
- non-Hodgkin's lymphoma presenting as periaampullary mass with obstructive jaundice. Berek L; Orron DE. *CT* 1986; 10: 89
- obstructive jaundice from open vessel clip. Davis M; Hart B; Kleinman R. *Gastrointest Radiol* 1988; 13: 259
- obstructive jaundice secondary to multiple myeloma—case report. Zafaranloo S; Bryk D; Gerard PS. *Comput Radiol* 1986; 4: 197
- septo-optic dysplasia: recognition of causes of false-positive hepatobiliary scintigraphy in neonatal jaundice. Kumura D; Miller JH; Sinatra FR. *J Nucl Med* 1987; 28: 966
- technetium-99m BIDA biliary scintigraphy in the evaluation of the jaundiced patient. Lee AW; Ram MD; Shih W-J; et al. *J Nucl Med* 1986; 27: 1407
- ultrasonography in the jaundiced infant: new approach. Green D; Carroll BA. *J Ultrasound Med* 1986; 5: 323
- Jaws**
- "black beard" sign of monostotic Paget's disease of the mandible. Mailander JC. *Clin Nucl Med* 1986; 11: 325
- case report 380. Schultz E; Hermann G; Irwin GAL; et al. *Skeletal Radiol* 1986; 15: 560
- Jaws, abnormalities**
- autosomal dominant type of endosteal hyperostosis with unusual manifestations of sclerosis of the jaw bones. Nakamura T; Yamada N; Nonaka R; et al. *Skeletal Radiol* 1987; 16: 48
- facial bone infarcts in sickle cell syndromes. Royal JE; Harris VJ; Sansi PK. *Radiology* 1988; 169: 529
- radiography after orthognathic surgery: part I. normal appearance. Kaplan PA; Tu HK; Koment MA; Bennion JW; Ruskin JD. *Radiology* 1988; 167: 191
- radiography after orthognathic surgery: part II. surgical complications. Kaplan PA; Tu HK; Koment MA; Ruskin JD; Bennion J. *Radiology* 1988; 167: 195
- Jaws, arthrography**
- inferior joint space arthrography of normal temporomandibular joints: reassessment of diagnostic criteria. Kaplan PA; Tu HK; Sluder PR; Lydiatt DD; Laney TJ. *Radiology* 1986; 159: 585
- temporomandibular joint: correlation between single-contrast videarthrography and postmortem morphology. Westesson P-L; Bronstein SL; Liedberg J. *Radiology* 1986; 160: 767
- Jaws, CT**
- computed tomographic appearances of cherubism. Bianchi SD; Boccardi A; Mela F; et al. *Skeletal Radiol* 1987; 16: 6
- computed tomography of the masticatory system—a review. Raustia AM; Pyhinen J. *Comput Med Imag Graph* 1988; 12: 97
- CT in the preoperative assessment of the mandible and maxilla for endosseous implant surgery: work in progress. Rothman SLG; Chafetz N; Rhodes ML; Schwarz MS. *Radiology* 1988; 168: 171
- Jaws, cysts**
- atypical simple bone cysts of the jaws. II: a possible association with benign fibro-osseous (cemental) lesions of the jaws. Horner K; Forman GH. *Clin Radiol* 1988; 39: 59
- atypical simple bone cysts of the jaws. I: recurrent lesions. Horner K; Forman GH; Smith NJD. *Clin Radiol* 1988; 39: 53
- Jaws, injuries**
- systemization of traumatic mandibular lesions. Peron J-M; Guilbert F. *J Neuroradiol* 1986; 13: 240
- Jaws, neoplasms**
- ameloblastoma associated with basal cell nevus (Gorlin) syndrome: CT findings. Schultz SM; Twickler DM; Wheeler DE; et al. *JCAT* 1987; 11: 901
- case report 359. Remagen W; Nidecker A; Prein J. *Skeletal Radiol* 1986; 15: 251
- case report 392. Hilpert PL; Radecki PD; Edmonds P; et al. *Skeletal Radiol* 1986; 15: 570
- fibrosarcoma of the jaws. Taconis WK; van Rijssel TG. *Skeletal Radiol* 1986; 15: 10
- gigantiform cementoma—unusual incidental finding. Lyons AJ; Babajews AV. *Br J Radiol* 1986; 59: 277
- intraosseous lipomas: radiologic and pathologic manifestations. Milgram JW. *Radiology* 1988; 167: 155
- maxillary squamous cell carcinomas staged by computed tomography. Kondo M; Ando Y; Inuyama Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 111
- Paget disease of the calvaria and facial bones with an osteosarcoma of the maxilla: CT and MR findings. Som PM; Hermann G; Sacher M; et al. *JCAT* 1987; 11: 887
- Jaws, radiography**
- importance of the jaw radiograph in diagnosis of Burkitt's lymphoma. Nzeh DA. *Clin Radiol* 1987; 38: 519
- Jejunum**
- percutaneous gastrostomy. Wills JS; Oglesby JT. *Radiology* 1988; 167: 41
- percutaneous gastrostomy and percutaneous gastrojejunostomy in children: antegrade approach. Towbin RB; Ball WS Jr; Bissett GS III. *Radiology* 1988; 168: 473
- percutaneous transjejunal catheterization of roux-en-Y biliary-jejunal anastomoses. Maroney TP; Ring EJ. *Radiology* 1987; 164: 151

Jejunum, abnormalities

Jejunum, abnormalities

malignant jejunal strictures after Whipple procedure: stenting with large-bore tubes and use of combined transhepatic and peroral approach, Burke DR; Weinstein JK, *Radiology* 1988; 169: 258

recurrent gastrointestinal bleeding from jejunal duplication, Papoff W; Reid RH, *Clin Nucl Med* 1986; 11: 754

Jejunum, diverticula

acquired jejunoileal diverticular disease: subject review, Maglinte DDT; Chernish SM; DeWeese R; Kelvin FM; Brunelle RL, *Radiology* 1986; 158: 577

radiologic diagnosis of jejunal diverticulitis, Freimanis M; Plaza-Ponte M, *Gastrointest Radiol* 1988; 13: 312

Jejunum, hemorrhage

resolving duodenal-jejunal hematoma in abused children, Kleinman PK; Brill PW; Winchester P, *Radiology* 1986; 160: 747

Jejunum, surgery

malignant jejunal strictures after Whipple procedure: stenting with large-bore tubes and use of combined transhepatic and peroral approach, Burke DR; Weinstein JK, *Radiology* 1988; 169: 258

percutaneous transjejunal biliary dilatation: alternate management for benign strictures, Russell E; Yrizarry JM; Huber JS; Nunez D Jr; Hutson DG; Schiff E; Reddy KR; Jeffers LJ; Williams A, *Radiology* 1986; 159: 209

Joints

See also Arthritis; Arthrography; names of joints, such as Ankle; Knee; etc.

costoclavicular joint, Redlund-Johnell L, *Skeletal Radiol* 1986; 15: 25

Joints, abnormalities

accessory sacroiliac joint: a common anatomic variant, Ehara S; El-Khoury GY; Bergman RA, *AJR* 1988; 150: 857

granulomatous pseudotumors in total joint replacement, Griffiths HJ; Burke J; Bonfiglio TA, *Skeletal Radiol* 1987; 16: 146

neuropathic arthropathy as a complication of post-traumatic syringomyelia, Kolawole T; Banna M; Hawass N; et al, *Br J Radiol* 1987; 60: 702

pigmented villonodular synovitis: report of MR imaging in two cases, Kottal RA; Vogler JB III; Matamoros A; Alexander AH; Cookson JL, *Radiology* 1987; 163: 551

radiographic abnormalities in coagulation factor VII deficiency, Baker SR; Tartell J; Lawrence C; et al, *J Canad Assoc Radiol* 1987; 38: 64

temporomandibular joint: MR assessment of rotational and sideways disk displacements, Katzberg RW; Westesson P-L; Tallents RH; Anderson R; Kurita K; Manzoni JV Jr; Totterman S, *Radiology* 1988; 169: 741

Joints, calcification

idiopathic synovial chondromatosis in two unusual sites: inferior radioulnar joint and ischial bursa, Pope TL Jr; Keats TE; de Lange EE; et al, *Skeletal Radiol* 1987; 16: 205

Joints, CT

bone erosion in synovial chondromatosis, Norman A; Steiner GC, *Radiology* 1986; 161: 749

computed arthrography: its role in the screening of joint diseases in pediatric radiology, Paille P; Quesnel C; Baunin C; et al, *Pediatr Radiol* 1988; 18: 386

correlative thin section temporomandibular joint anatomy and computed tomography, Christiansen EL; Thompson JR; Hasso AN; Hinshaw DB Jr, *Radiographics* 1986; 6: 703

CT and MR imaging of the temporomandibular joint, Walter E; Hüls A; Schmelzle R; Klose U; Küper K; Kalender WA, *Radiographics* 1988; 8: 327

CT and MR of the temporomandibular joint: comparison with autopsy specimens, Westesson P-L; Katzberg RW; Tallents RH; et al, *AJR* 1987; 148: 1165

CT diagnosis of synovial chondromatosis of the temporomandibular joint, Manco LG; DeLuke DM, *AJR* 1987; 148: 574

CT findings in synovial chondromatosis of the temporomandibular joint, Casselman JW; Demeulemeester L; Bossuyt M; et al, *JCAT* 1987; 11: 898

CT number characteristics of malpositioned TMJ menisci: diagnosis with CT number highlighting (blinkmode), Christiansen EL; Thompson JR; Hasso AN; et al, *Invest Radiol* 1987; 22: 315

CT of sacral injury, Montana MA; Richardson ML; Kilcoyne RF; Harley JD; Shuman WP; Mack LA, *Radiology* 1986; 161: 499

high resolution computed tomography of the cadaveric sternoclavicular joint: findings in degenerative joint disease, Baker ME; Martinez S; Kier R; et al, *CT* 1988; 12: 13

high-resolution computed tomography: part 5, evaluation of the temporomandibular joint, (ab), Swartz JD; Vanderslice R; Hendler BH; et al, *Radiology* 1986; 159: 823

musculoskeletal radiology: RSNA '87 meeting notes, Murphy WA Jr; Freiburger RH; Vogler JB III, *Radiology* 1988; 166: 922

radiation dose in radiography, CT, and arthrography of the temporomandibular joint, Christiansen EL; Moore RJ; Thompson JR; et al, *AJR* 1987; 148: 107

temporomandibular joint chondromatosis with intracranial extension: MR and CT contributions, Nokes SR; King PS; Garcia R Jr; et al, *AJR* 1987; 148: 1173

Joints, diseases

articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis, Sundaram M, *Radiology* 1988; 166: 285

articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis: reply, Naidich JB; Karmel MI; Stein HL; Mossey RT; Bluestone PA, *Radiology* 1988; 166: 285

clinical picture of the amyloid arthropathy in patients with chronic renal failure maintained on haemodialysis using cellulose membranes, (ab), Muñoz-Gómez J; Gómez-Pérez R; Llopert-Buisán E; et al, *Radiology* 1988; 166: 912

computed arthrography: its role in the screening of joint diseases in pediatric radiology, Paille P; Quesnel C; Baunin C; et al, *Pediatr Radiol* 1988; 18: 386

hemophilic arthropathy: assessment with MR imaging, Yulish BS; Lieberman JM; Strandjord SE; Bryan PJ; Mulopulos GP; Modic MT, *Radiology* 1987; 164: 759

magnetic resonance imaging of joint disease, Sims RE; Genant HK, *Radiol Clin North Am* 1986; 24: 179

osteoarthropathy of the hand and wrist in patients undergoing long-term hemodialysis, Naidich JB; Karmel MI; Mossey RT; Bluestone PA; Stein HL, *Radiology* 1987; 164: 205

pyogenic sacroiliitis in IV drug abusers, Guyot DR; Manoli A II; Kling GA, *AJR* 1987; 149: 1209

radiological evaluation of chronic hemophilic arthropathy by the Pettersson score: problems in correlation in adult patients, Hamel J; Pohlmann H; Schramm W, *Skeletal Radiol* 1988; 17: 32

radiologic features of a pyrophosphate-like arthropathy associated with long-term dialysis, Braunstein EM; Menerey K; Martel W; et al, *Skeletal Radiol* 1987; 16: 437

reliability of computed tomography in the initial diagnosis and follow-up evaluation of Tietze's syndrome: case report with review of the literature, Hamburg C; Abdelwahab IF, *CT* 1987; 11: 83

systemic lupus erythematosus with Jaccoud's arthropathy mimicking juvenile rheumatoid arthritis, (ab), Martini A; Ravelli A; Viola S; et al, *Radiology* 1988; 167: 294

Joints, fluid

infections of the musculoskeletal system: high-field-strength MR imaging, Beltran J; Noto AM; McGhee RB; Freedy RM; McCalla MS, *Radiology* 1987; 164: 449

joint effusions: MR imaging, Beltran J; Noto AM; Herman LJ; Mosure JC; Burk JM; Christoforidis AJ, *Radiology* 1986; 158: 133

widened teardrop distance: a plain film indicator of hip joint effusion in adults, Sweeney JP; Helms CA; Minagi H; et al, *AJR* 1987; 149: 117

Joints, glenohumeral

See Shoulder

Joints, hemophilic

MR imaging of hemophilic arthropathy, Kulkarni MV; Drolshagen LF; Kaye JJ; et al, *JCAT* 1986; 10: 445

Joints, inflammation

See Arthritis

Joints, injuries

localized chondrocalcinosis in traumatized joints, (ab), de Lange EE; Keats TE, *Radiology* 1986; 159: 573

MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, *Radiology* 1988; 169: 281

MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 169: 282

MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 166: 313

patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, Downey EF Jr; Curtis DJ, *Radiology* 1986; 158: 679

Joints, metacarpophalangeal

metacarpophalangeal arthropathy associated with manual labor (Missouri metacarpal syndrome): clinical, radiographic, and pathologic characteristics of an unusual degenerative process, (ab), Williams WV; Cope R; Gaunt WD; et al, *Radiology* 1988; 168: 590

patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, Downey EF Jr; Curtis DJ, *Radiology* 1986; 158: 679

Joints, MR studies

ankle: surface coil MR imaging at 1.5 T, Beltran J; Noto AM; Mosure JC; Shamam OM; Weiss KL; Zuelzer WA, *Radiology* 1986; 161: 203

cartilage disorders: comparison of spin-echo, CHES, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, *Radiology* 1987; 164: 753

comparison of high-resolution MRI and SPECT bone scintigraphy for noninvasive imaging of the temporomandibular joint, Krasnow AZ; Collier BD; Kneeland JB; et al, *J Nucl Med* 1987; 28: 1268

CT and MR imaging of the temporomandibular joint, Walter E; Hüls A; Schmelzle R; Klose U; Küper K; Kalender WA, *Radiographics* 1988; 8: 327

CT and MR of the temporomandibular joint: comparison with autopsy specimens, Westesson P-L; Katzberg RW; Tallents RH; et al, *AJR* 1987; 148: 1165

diagnosis of sacroiliac joint infection in pregnancy by magnetic resonance imaging, Wilbur AC; Langer BG; Spigos DG, *Magn Res Imag* 1988; 6: 341

diagnosis of temporomandibular joint disease: two-compartment arthrography and MR, Schellhas KP; Wilkes CH; Omile MR; et al, *AJNR* 1988; 9: 579

diagnosis of temporomandibular joint disease: two-compartment arthrography and MR, Schellhas KP; Wilkes CH; Omile MR; et al, *AJR* 1988; 151: 341

dynamic display of the temporomandibular joint meniscus by using "fast-scan" MR imaging, Burnett KR; Davis CL; Read J, *AJR* 1987; 149: 959

elbow joint: normal anatomy on MR images, Bunnell DH; Fisher DA; Bassett LW; Gold RH; Ellman H, *Radiology* 1987; 165: 527

failed temporomandibular joint prostheses: MR imaging, Kneeland JB; Ryan DE; Carrera GF; Jesmanowicz A; Froncz W; Hyde JS, *Radiology* 1987; 165: 179

hemophilic arthropathy: assessment with MR imaging, Yulish BS; Lieberman JM; Strandjord SE; Bryan PJ; Mulopulos GP; Modic MT, *Radiology* 1987; 164: 759

high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, Middleton WD; Macrander S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera GF; Foley WD; Jesmanowicz A; Hyde JS, *Radiographics* 1987; 7: 645

infections of the musculoskeletal system: high-field-strength MR imaging, Beltran J; Noto AM; McGhee RB; Freedy RM; McCalla MS, *Radiology* 1987; 164: 449

- magnetic effusions: MR imaging, Beltran J; Noto AM; Herman LJ; Masure JC; Burk JM; Christoforidis AJ, *Radiology* 1986; 158: 133
- juvenile rheumatoid arthritis: assessment with MR imaging, Yulish BS; Lieberman JM; Newman AJ; Bryan PJ; Mulopulos GP; Modic MT, *Radiology* 1987; 165: 149
- knee: surface-coil MR imaging at 1.5 T, Beltran J; Noto AM; Masure JC; Weiss KL; Zuelzer WA; Christoforidis AJ, *Radiology* 1986; 159: 747
- magnetic resonance imaging of internal derangement of the temporomandibular joint, Helms CA; Gillespy T III; Sims RE; et al, *Radiol Clin North Am* 1986; 24: 189
- magnetic resonance imaging of joint disease, Sims RE; Genant HK, *Radiol Clin North Am* 1986; 24: 179
- magnetic resonance imaging of pigmented villonodular synovitis: report of two cases, Spritzer CE; Dalinka MK; Kressel HY, *Skeletal Radiol* 1987; 16: 316
- magnetic resonance imaging of the temporomandibular joint, Harms SE; Wilk RM, *Radiographics* 1987; 7: 521
- MR arthrography: anatomic-pathologic investigation, Hajek PC; Baker LL; Sartoris DJ; Neumann CH; Resnick D, *Radiology* 1987; 163: 141
- MR imaging in juvenile rheumatoid arthritis, Senac MO Jr; Deutsch D; Bernstein BH; et al, *AJR* 1988; 150: 873
- MR imaging of a fractured temporomandibular disk prosthesis, Kneeland JB; Carrera GF; Ryan DE; et al, *JCAT* 1987; 11: 199
- MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, *Radiology* 1988; 169: 281
- MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 169: 282
- MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 166: 313
- musculoskeletal radiology: RSNA '87 meeting notes, Murphy WA Jr; Freiburger RH; Vogler JB III, *Radiology* 1988; 166: 922
- normal and abnormal temporomandibular joint: MR imaging with surface coil, Katzberg RW; Bessette RW; Tallents RH; Plewes DB; Manzione JV; Schenck JF; Foster TH; Hart HR, *Radiology* 1986; 158: 183
- normal temporomandibular joint: MR and arthrographic correlation, Kaplan PA; Tu HK; Williams SM; Lydiatt DD, *Radiology* 1987; 165: 177
- osteoarthritis dissecans: analysis of mechanical stability with radiography, scintigraphy, and MR imaging, Mesgarzadeh M; Sapega AA; Bonakdarpour A; Revesz G; Moyer RA; Maurer AH; Alburger PD, *Radiology* 1987; 165: 775
- permanent Proplast temporomandibular joint implants: MR imaging of destructive complications, Schellhas KP; Wilkes CH; El Deeb M; et al, *AJR* 1988; 151: 731
- potential contrast agents for MR arthrography: in vitro evaluation and practical observations, Hajek PC; Sartoris DJ; Neumann CH; et al, *AJR* 1987; 149: 97
- rheumatoid arthritis: MR imaging manifestations, Beltran J; Caudill JL; Herman LA; Kantor SM; Hudson PN; Noto AM; Baran AS, *Radiology* 1987; 165: 153
- switched surface coil system for bilateral MR imaging, Hardy CJ; Katzberg RW; Frey RL; Szumowski J; Totterman S; Mueller OM, *Radiology* 1988; 167: 835
- temporomandibular joint chondromatosis with intracranial extension: MR and CT contributions, Nokes SR; King PS; Garcia R Jr; et al, *AJR* 1987; 148: 1173
- temporomandibular joint: comparison of MR images with cryosectional anatomy, Westesson P-L; Katzberg KW; Tallents RH; Sanchez-Woodworth RE; Svensson SA; Espeland MA, *Radiology* 1987; 164: 59
- temporomandibular joint: MR assessment of rotational and sideways disk displacements, Katzberg RW; Westesson P-L; Tallents RH; Anderson R; Kurita K; Manzione JV Jr; Totterman S, *Radiology* 1988; 169: 741
- temporomandibular joint: MR imaging of internal derangements and postoperative changes, Schellhas KP; Wilkes CH; Fritts HM; et al, *AJNR* 1987; 8: 1093
- temporomandibular joint: multilab, three-dimensional Fourier transformation MR imaging, Wilk RM; Harms SE, *Radiology* 1988; 167: 861
- transient osteoporosis: transient bone marrow edema?, Wilson AJ; Murphy WA; Hardy DC; Totty WC, *Radiology* 1988; 167: 757
- Joints, neoplasms**
- bone erosion in synovial chondromatosis, Norman A; Steiner GC, *Radiology* 1986; 161: 749
- incidence of malignant bone and joint tumors in Olmsted County, Minnesota, 1935 through 1981, (ab), Beard CM; Griffin MR; Schwenk NM; et al, *Radiology* 1988; 168: 590
- Joints, prostheses**
- evaluation of CT techniques for reducing artifacts in the presence of metallic orthopedic implants, Robertson DD; Weiss PJ; Fishman EK; et al, *JCAT* 1988; 12: 236
- evaluation of metallic osseous implants with nuclear medicine, Wellman HN; Schaeffer DC; Capello WN, *Semin Nucl Med* 1988; 18: 126
- failed temporomandibular joint prostheses: MR imaging, Kneeland JB; Ryan DE; Carrera GF; Jesmanowicz A; Froncisz W; Hyde JS, *Radiology* 1987; 165: 179
- granulomatous pseudotumors in total joint replacement, Griffiths HJ; Burke J; Bonfiglio TA, *Skeletal Radiol* 1987; 16: 146
- indium-granulocyte scanning in the painful prosthetic joint, Pring DJ; Henderson RG; Keshavarzian A; et al, *AJR* 1986; 147: 167
- MR imaging of a fractured temporomandibular disk prosthesis, Kneeland JB; Carrera GF; Ryan DE; et al, *JCAT* 1987; 11: 199
- problem prostheses: the radiologic evaluation of total joint replacement, Rabin DN; Smith C; Kubicka RA; Rabin S; Ali A; Charters JR; Rabin H, *Radiographics* 1987; 7: 1107
- radionuclide bone imaging findings in loose cemented joint prostheses appear to be normal postoperative findings in cementless joint prostheses: preliminary case report, Higgins WL; Blaha JD; Mace AH, *Clin Nucl Med* 1988; 13: 82
- sequential technetium-99m HMDP-gallium-67 citrate imaging for the evaluation of infection in the painful prosthesis, Merkel KD; Brown ML; Fitzgerald RH Jr, *J Nucl Med* 1986; 27: 1413
- total joint replacement: overview, Habermann ET, *Semin Roentgenol* 1986; 21: 7
- Joints, radiography**
- antibiotic-containing acrylic beads: radiographic appearances, Daffner RH; Foss DE, *AJR* 1987; 149: 123
- patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, Downey EF Jr; Curtis DJ, *Radiology* 1986; 158: 679
- problem prostheses: the radiologic evaluation of total joint replacement, Rabin DN; Smith C; Kubicka RA; Rabin S; Ali A; Charters JR; Rabin H, *Radiographics* 1987; 7: 1107
- radiation dose in radiography, CT, and arthrography of the temporomandibular joint, Christiansen EL; Moore RJ; Thompson JR; et al, *AJR* 1987; 148: 107
- Joints, radionuclide studies**
- clinical significance of increased temporomandibular joint uptake by planar isotope bone scan, Epstein DH; Graves RW; Higgins WL, *Clin Nucl Med* 1987; 12: 705
- comparison of high-resolution MRI and SPECT bone scintigraphy for noninvasive imaging of the temporomandibular joint, Krasnow AZ; Collier BD; Kneeland JB; et al, *J Nucl Med* 1987; 28: 1268
- detection of occult infection following total joint arthroplasty using sequential technetium-99m HDP bone scintigraphy and indium-111 WBC imaging, Johnson JA; Christie MJ; Sandler MP; et al, *J Nucl Med* 1988; 29: 1347
- evaluation of indium-111 chloride as a radiopharmaceutical for joint imaging in a rabbit model of arthritis, Zalutsky MR; de Sousa M; Venkatesan P; et al, *Invest Radiol* 1987; 22: 733
- evaluation of metallic osseous implants with nuclear medicine, Wellman HN; Schaeffer DC; Capello WN, *Semin Nucl Med* 1988; 18: 126
- indium-111 leukocyte imaging in patients with rheumatoid arthritis, Uno K; Matsui N; Nohira K; et al, *J Nucl Med* 1986; 27: 339
- indium-granulocyte scanning in the painful prosthetic joint, Pring DJ; Henderson RG; Keshavarzian A; et al, *AJR* 1986; 147: 167
- joint scintigraphy using technetium-99m pyrophosphate in experimental hemarthrosis, Salimi Z; Vas W; Restrepo G, *J Nucl Med* 1986; 27: 246
- negative bone scans of joints after aspiration or arthrography: experimental studies, Traugott PD; Manaster BJ; Murphy K; et al, *AJR* 1986; 146: 87
- osteoarthritis dissecans: analysis of mechanical stability with radiography, scintigraphy, and MR imaging, Mesgarzadeh M; Sapega AA; Bonakdarpour A; Revesz G; Moyer RA; Maurer AH; Alburger PD, *Radiology* 1987; 165: 775
- radionuclide bone imaging findings in loose cemented joint prostheses appear to be normal postoperative findings in cementless joint prostheses: preliminary case report, Higgins WL; Blaha JD; Mace AH, *Clin Nucl Med* 1988; 13: 82
- radionuclide bone/joint imaging in children with rheumatic complaints, Jones MM; Moore WH; Brewer EJ; et al, *Skeletal Radiol* 1988; 17: 1
- sequential technetium-99m HMDP-gallium-67 citrate imaging for the evaluation of infection in the painful prosthesis, Merkel KD; Brown ML; Fitzgerald RH Jr, *J Nucl Med* 1986; 27: 1413
- Joints, sacroiliac**
- accessory sacroiliac joint: a common anatomic variant, Ehara S; El-Khoury GY; Bergman RA, *AJR* 1988; 150: 857
- bone scintigraphy in tuberculous sacroiliitis, Salomon CG; Ali A; Fordham EW, *Clin Nucl Med* 1986; 11: 407
- cartilage disorders: comparison of spin-echo, CHES, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, *Radiology* 1987; 164: 753
- CT of sacral injury, Montana MA; Richardson ML; Kilcoyne RF; Harley JD; Shuman WP; Mack LA, *Radiology* 1986; 161: 499
- diagnosis of sacroiliac joint infection in pregnancy by magnetic resonance imaging, Wilbur AC; Langer BG; Spigos DG, *Magn Res Imag* 1988; 6: 341
- gas in spinal articulations, Yetkin Z; Chintapalli K; Daniels DL; et al, *Neuroradiol* 1986; 28: 150
- pyogenic sacroiliitis in IV drug abusers, Guyot DR; Manoli A II; Kling GA, *AJR* 1987; 149: 1209
- sacroiliitis as a sole manifestation of brucella melitensis infection in a child, Miron D; Garty I; Tal I; et al, *Clin Nucl Med* 1987; 12: 466
- spondyloarthropathies, Weissman BN, *Radiol Clin North Am* 1987; 25: 1235
- Joints, sternoclavicular**
- high resolution computed tomography of the cadaveric sternoclavicular joint: findings in degenerative joint disease, Baker ME; Martinez S; Kier R; et al, *CT* 1988; 12: 13
- inter-sterno-costo-clavicular ossification, Colhoun EN; Hayward C; Evans KT, *Clin Nucl Med* 1987; 12: 33
- osteoarthritis of the sternoclavicular joint: radiographic features and pathologic correlation, Kier R; Wain SL; Apple J; et al, *Invest Radiol* 1986; 21: 227
- painful swollen sterno-clavicular joint, (ab), Hamilton-Wood C; Hollingsworth P; Dieppe P; et al, *Radiology* 1986; 159: 286
- posterior dislocation of the sternoclavicular joint: report of two cases, with emphasis on radiologic management and early diagnosis, Cope R; Riddervold HO, *Skeletal Radiol* 1988; 17: 247

Joints, sternoclavicular

usefulness of bone imaging in diagnosis of sternoclavicular hyperostosis, Otsuka N; Fukunaga M; Sone T; et al, Clin Nucl Med 1986; 11: 651

Joints, sternocostal

radiographic findings in patients with clinical Tietze syndrome, Jurik AG; Justesen T; Graudal H, Skeletal Radiol 1987; 16: 517

Joints, sternomandibular

dislocation of the manubriosternal joint: detection on frontal chest radiographs, Nicholson AA; Holt ME; Jessop JD, Br J Radiol 1988; 61: 643

psoriatic arthritis affecting the manubriosternal joint, (ab), Becker NJ; DeSmet AA; Cathcart-Rake W; et al, Radiology 1987; 162: 589

Joints, temporomandibular

clinical significance of increased temporomandibular joint uptake by planar isotope bone scan, Epstein DH; Graves RW; Higgins WL, Clin Nucl Med 1987; 12: 705
comparison of high-resolution MRI and SPECT bone scintigraphy for noninvasive imaging of the temporomandibular joint, Krasnow AZ; Collier BD; Kneeland JB; et al, J Nucl Med 1987; 28: 1268

computed tomography of the masticatory system—a review, Raustia AM; Pyhtinen J, Comput Med Imag Graph 1988; 12: 97

correlative thin section temporomandibular joint anatomy and computed tomography, Christiansen EL; Thompson JR; Hasso AN; Hinshaw DB Jr, Radiographics 1986; 6: 703

CT and MR imaging of the temporomandibular joint, Walter E; Hüls A; Schmelzle R; Klose U; Küper K; Kalender WA, Radiographics 1988; 8: 327

CT and MR of the temporomandibular joint: comparison with autopsy specimens, Westesson P-L; Katzberg RW; Tallents RH; et al, AJR 1987; 148: 1165

CT diagnosis of synovial chondromatosis of the temporomandibular joint, Manco LG; DeLuca DM, AJR 1987; 148: 574

CT findings in synovial chondromatosis of the temporomandibular joint, Casselman JW; Demeulemeester L; Bossuyt M; et al, JCAT 1987; 11: 898

CT number characteristics of malpositioned TMJ menisci: diagnosis with CT number highlighting (blinkmode), Christiansen EL; Thompson JR; Hasso AN; et al, Invest Radiol 1987; 22: 315

diagnosis of temporomandibular joint disease: two-compartment arthrography and MR, Schellhas KP; Wilkes CH; Omile MR; et al, AJNR 1988; 9: 579

diagnosis of temporomandibular joint disease: two-compartment arthrography and MR, Schellhas KP; Wilkes CH; Omile MR; et al, AJR 1988; 151: 341

digital subtraction arthrography of the temporomandibular joint, Jacobs JM; Manaster BJ, AJR 1987; 148: 344

dynamic display of the temporomandibular joint meniscus by using "fast-scan" MR imaging, Burnett KR; Davis CL; Read J, AJR 1987; 149: 959

erosive arthritis of the temporomandibular joint caused by Teflon-Proplast implants: plain film features, Kaplan PA; Ruskin JD; Tu HK; et al, AJR 1988; 151: 337

failed temporomandibular joint prostheses: MR imaging, Kneeland JB; Ryan DE; Carrera GF; Jesmanowicz A; Froncisz W; Hyde JS, Radiology 1987; 165: 179

high-resolution computed tomography: part 5, evaluation of the temporomandibular joint, (ab), Swartz JD; Vanderslice R; Hendler BH; et al, Radiology 1986; 159: 823

high-resolution MR imaging using loop-gap resonators: work in progress, Kneeland JB; Jesmanowicz A; Froncisz W; Grist TM; Hyde JS, Radiology 1986; 158: 247

high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, Middleton WD; Macrander S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera GF; Foley WD; Jesmanowicz A; Hyde JS, Radiographics 1987; 7: 645

inferior joint space arthrography of normal temporomandibular joints: reassessment of diagnostic criteria, Kaplan PA; Tu HK; Sieder PR; Lydiatt DD; Laney TJ, Radiology 1986; 159: 585

magnetic resonance imaging of internal derangement of the temporomandibular joint, Helms CA; Gillespy T III; Sims RE; et al, Radiol Clin North Am 1986; 24: 189

magnetic resonance imaging of the temporomandibular joint, Harms SE; Wilk RM, Radiographics 1987; 7: 521

MR imaging of a fractured temporomandibular disk prosthesis, Kneeland JB; Carrera GF; Ryan DE; et al, JCAT 1987; 11: 199

normal and abnormal temporomandibular joint: MR imaging with surface coil, Katzberg RW; Besette RW; Tallents RH; Plewes DB; Manzione JV; Schenck JF; Foster TH; Hart HR, Radiology 1986; 158: 183

normal temporomandibular joint: MR and arthrographic correlation, Kaplan PA; Tu HK; Williams SM; Lydiatt DD, Radiology 1987; 165: 177

oblique head position in temporomandibular joint arthrography, Gillespy T III; Helms CA, Radiology 1986; 158: 541

permanent Proplast temporomandibular joint implants: MR imaging of destructive complications, Schellhas KP; Wilkes CH; El Deeb M; et al, AJR 1988; 151: 731

post-traumatic coronoid process impingement on zygomatic arch: CT demonstration, Henriksen LH; Trebo S, JCAT 1988; 12: 712

radiation dose in temporomandibular joint arthrography, CT, and arthrography of the temporomandibular joint, Christiansen EL; Moore RJ; Thompson JR; et al, AJR 1987; 148: 107

radiographic changes in the condyle of the temporomandibular joint in psoriatic arthritis, Kononen M, Acta Radiol 1987; 28: 185

sideways dislocation of the temporomandibular joint meniscus: edge sign, Khoury MB; Dolan E, AJNR 1986; 7: 869

switched surface coil system for bilateral MR imaging, Hardy CJ; Katzberg RW; Frey RL; Szumowski J; Totterman S; Mueller OM, Radiology 1988; 167: 835

temporomandibular joint arthrography: dynamic study by videorecording, Lott CW; Wilson DJ; Juniper RP, Clin Radiol 1988; 39: 73

temporomandibular joint arthrography following surgical treatment of internal derangements, Kaplan PA; Reiskin AB; Tu HK, Radiology 1987; 163: 217

temporomandibular joint chondromatosis with intracranial extension: MR and CT contributions, Nokes SR; King PS; Garcia R Jr; et al, AJR 1987; 148: 1173

temporomandibular joint: comparison of MR images with cryosectional anatomy, Westesson P-L; Katzberg KW; Tallents RH; Sanchez-Woodworth RE; Svensson SA; Espeland MA, Radiology 1987; 164: 59

temporomandibular joint: comparison of single- and double-contrast arthrography, Westesson P-L; Bronstein SL, Radiology 1987; 164: 65

temporomandibular joint: correlation between single-contrast videarthrography and postmortem morphology, Westesson P-L; Bronstein SL; Liedberg J, Radiology 1986; 160: 767

temporomandibular joint imaging: practical application of available technology, (ab), Schellhas KP; Wilkes CH; Omile MR; et al, Radiology 1988; 166: 294

temporomandibular joint: MR assessment of rotational and sideways disk displacements, Katzberg RW; Westesson P-L; Tallents RH; Anderson R; Kurita K; Manzione JV Jr; Totterman S, Radiology 1988; 169: 741

temporomandibular joint: MR imaging of internal derangements and postoperative changes, Schellhas KP; Wilkes CH; Fritts HM; et al, AJNR 1987; 8: 1093

temporomandibular joint: multislab, three-dimensional Fourier transformation MR imaging, Wilk RM; Harms SE, Radiology 1988; 167: 861

Joints, US studies

arthrosonography of the irritable hip in childhood: review of 1 year's experience, Adam R; Hendry GMA; Moss J; et al, Br J Radiol 1986; 59: 205

Jugular bulb

dehiscent jugular megabulb associated with dominant occipital sinus, Willinsky RA; Nedzelski JM; Cooper PW; et al, Neuroradiol 1987; 29: 408

jugular bulb position and shape are unrelated to temporal bone pneumatization, (ab), Orr JB; Todd NW, Radiology 1988; 169: 590
vascular masses in the middle ear, Phelps PD; Lloyd GAS, Clin Radiol 1986; 37: 359

K

Kaposi sarcoma

acquired immunodeficiency syndrome: Ga-67 citrate imaging, Woolfenden JM; Carrasquillo JA; Larson SM; Simmons JT; Masur H; Smith PD; Shelhamer JH; Ognibene FP, Radiology 1987; 162: 383

AIDS-related Kaposi sarcoma and lymphomas, Nyberg DA; Federle MP, Semin Oncogenol 1987; 22: 54

bronchoscopic and radiologic features of Kaposi's sarcoma involving the respiratory system, (ab), Zibrak JD; Silvestri RC; Costello P; et al, Radiology 1987; 163: 587

case of the month: epidemic tumour, Henderson RG; Rahmatulla TD, Br J Radiol 1987; 60: 511

central nervous system disease in acquired immunodeficiency syndrome: prospective correlation using CT, MR imaging, and pathologic studies, Post MJD; Sheldon JJ; Hensley GT; Soila KP; Tobias JA; Chan JC; Quencer RM; Moskowitz LB, Radiology 1986; 158: 141

defining the role of radiation therapy in the management of epidemic Kaposi's sarcoma, Cooper JS; Fried PR, Int J Radiat Oncol Biol Phys 1987; 13: 35

differential diagnosis between Kaposi's sarcoma and pseudo-Kaposi's arteriovenous malformation by scintigraphy, Zaltzman S; Ophir J; Brenner S, Clin Nucl Med 1986; 11: 556

gastric manifestations of autoimmune deficiency syndrome-related Kaposi's sarcoma on computed tomography, Leibman AJ; Gold BM, CT 1986; 10: 85

gastrointestinal complications of AIDS: radiologic features, Frager DH; Frager JD; Brandt LJ; Wolf EL; Rand LG; Klein RS; Beneventano TC, Radiology 1986; 158: 597

intrathoracic Kaposi sarcoma in AIDS patients: radiographic-pathologic correlation, Davis SD; Henschke CI; Charnick BK; Westcott JL, Radiology 1987; 163: 495

Kaposi's sarcoma involving the thyroid in a patient with AIDS, Krauth PH; Katz JF, Clin Nucl Med 1987; 12: 848

Kaposi's sarcoma of the lung in AIDS: radiologic-pathologic analysis, Sivitz CJ; Schwartz AM; Rockoff SD, AJR 1987; 148: 25

megavoltage radiotherapy using water bolus in the treatment of Kaposi's sarcoma, Weshler Z; Loewinger E; Loewenthal E; et al, Int J Radiat Oncol Biol Phys 1986; 12: 2029

pharyngeal Kaposi's sarcoma in patients with AIDS, Emery CD; Wall SD; Federle MP; et al, AJR 1986; 147: 919

pulmonary Kaposi's sarcoma in the acquired immunodeficiency syndrome: clinical, radiographic, and pathologic manifestations, (ab), Meduri GU; Stover DE; Lee M; et al, Radiology 1987; 162: 587

radiation therapy in AIDS related Kaposi's sarcoma, O'Brien PC; Denham JW, Australas Radiol 1987; 31: 319

radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, Radiology 1988; 166: 553

radiotherapy of Kaposi's sarcoma, Hamilton CR; Cummings BJ; Harwood AR, Int J Radiat Oncol Biol Phys 1986; 12: 1931

Kawasaki disease

coronary artery aneurysms due to Kawasaki disease: diagnosis with ultrafast CT, Frey EE; Matherne GP; Mahoney LT; Sato Y; Stanford W; Smith WL, Radiology 1988; 167: 725

tomographic myocardial perfusion scintigraphy in children with Kawasaki disease, Spielmann RP; Nienaber CA; Hausdorf G; et al, J Nucl Med 1987; 28: 1839

Kidney

See also Genitourinary system;

Hydronephrosis; Kidney neoplasms;
Urography

normal renal growth in children with
myelodysplasia. Gross GW; Thornburg AJ;
Bellinger MF. *AJR* 1986; 146: 615

Kidney, abnormalities

abnormal nephrogram. Dyer RB; Munitz HA;
Bechtold R; Choplin RH. *Radiographics*
1986; 6: 1039

adult polycystic horseshoe kidney.
Dobranowski J; Somers S; Pirani M. *J Canad
Assoc Radiol* 1986; 37: 208

antenatal diagnosis of fetal pelvic kidneys.
Hill LM; Peterson CS. *J Ultrasound Med*
1987; 6: 393

case report: unilateral haematocolpos in
uterine duplication associated with renal
agenesis. Berman L; Stringer DA; St
Onge O; et al. *Clin Radiol* 1987; 38: 545

coexistence of congenital megacalyces and
primary megaureter. Vargas B; Lebowitz RL.
AJR 1986; 147: 313

computerized tomography and ultrasound in
the diagnosis of cerebro-hepato-renal
syndrome of Zellweger. Weese-Mayer DE;
Smith KM; Reddy JK; et al. *Pediatr Radiol*
1987; 17: 170

congenital megacalyces: ultrasound
appearance. Garcia CJ; Taylor KJW;
Weiss RM. *J Ultrasound Med* 1987; 6: 163

crossed fused renal ectopia: sonographic
diagnosis. Goodman JD; Norton KI;
Carr L; et al. *Urol Radiol* 1986; 8: 13

ectopic supernumerary kidney: functional
assessment using radionuclide imaging.
Conrad GR; Loes DJ. *Clin Nucl Med* 1987;
12: 253

"faceless kidney": CT sign of renal duplicity.
Hulnick DH; Bosniak MA. *JCAT* 1986; 10:
771

fatty Wilms' tumor simulating teratoma;
occurrence in a child with horseshoe
kidney. Fernbach SK; Donaldson JS;
Gonzalez-Crussi F; et al. *Pediatr Radiol* 1988;
18: 424

fetal renal anomalies, a diagnostic dilemma in
the presence of intrauterine growth
retardation and oligohydramnios. Reus A;
Wladimiroff JW; v. d. Wijngaard
JAGW; et al. *Ultrasound Med Biol* 1987; 13:
619

follow-up studies of multicystic dysplastic
kidneys. Vinocur L; Slovis TL;
Perlmutter AD; Watts FB Jr; Chang C-H.
Radiology 1988; 167: 311

functional adrenal disease: radiologic
evaluation in a patient with anomalous
kidneys. Kenney PJ; Keller FS; Koehler RE.
AJR 1986; 147: 289

general case of the day: annual meeting, 1986.
Conrad GR; Loes DJ; Franken EA Jr.
Radiographics 1987; 7: 815

giant cyst of the seminal vesicle with renal
agenesis. Heaney JA; Pfister RC;
Meares EM Jr. *AJR* 1987; 149: 139

horseshoe kidney simulating acute
gastrointestinal hemorrhage on technetium-
99m labeled red blood cell imaging. Datz FL;
Bilotta WR. *Clin Nucl Med* 1988; 13: 123

horseshoe kidney simulation by paraortic
metastases from a testicular tumor.
Gray HW. *Clin Nucl Med* 1987; 12: 75

imaging of uretero-pelvic junction obstruction
with stimulated diuresis: with consideration
of the reliability of ultrasonography. Ebel K-
D; Bliesener JA; Garib M. *Pediatr Radiol*
1988; 18: 54

infundibulopelvic stenosis—evaluation of
diagnostic imaging. Schneider K; Martin W;
Helmig FJ; et al. *Eur J Radiol* 1988; 8: 172

kidneys in infants and children: evaluation
with MR. Dietrich RB; Kangaroo H.
Radiology 1986; 159: 215

magnetic resonance imaging of bicornuate
uterus with unilateral hemimetroraspinx
and ipsilateral renal agenesis. Hamlin DJ;
Pettersson H; Ramey SL; et al. *Urol Radiol*
1986; 8: 52

multicystic dysplasia and crossed renal
ectopia. Nussbaum AR; Hartman DS;
Whitley NO; et al. *AJR* 1987; 149: 407

multicystic dysplastic kidney and contralateral
renal aplasia in a twin: diagnosis by prenatal
sonography. Campbell AF. *AJR* 1988; 151:
145

multicystic dysplastic kidney: observations of
contralateral disease in the fetal population.
Kleiner B; Filly RA; Mack LA; Callen PW.
Radiology 1986; 161: 27

multicystic dysplastic kidneys: spontaneous
regression demonstrated with US.
Pedicelli G; Jequier S; Bowen A; Boissert J.
Radiology 1986; 161: 23

nephroblastomatosis: comparison of CT with
US and urography. Fernbach SK;
Feinstein KA; Donaldson JS; Baum ES.
Radiology 1988; 164: 153

new syndrome with ocular, skeletal and renal
involvement. Silengo MC; Bell GL;
Biagioli M; et al. *Pediatr Radiol* 1987; 17: 238

non-functioning kidney associated with
neonatal adrenal hemorrhage: report of 2
cases. Starinsky R; Manor A; Segal M.
Pediatr Radiol 1986; 16: 427

nubbin sign on computed tomography and
sonography. Blair D; Rigsby C;
Rosenfield AT. *Urol Radiol* 1987; 9: 149

obstruction of the upper-pole moiety in renal
duplication in adults: CT evaluation.
Cronan JJ; Amis ES Jr; Zeman RK;
Dorfman GS. *Radiology* 1986; 161: 17

pelvic kidney displacing a sigmoid
diverticular bleed: scintigraphic and
angiographic correlation. Zuckier LS;
Patel YD; Kratka PS; et al. *Clin Nucl Med*
1988; 13: 463

pelvic kidney in cloacal exstrophy.
Herman TE; Cleveland RH; Kushner DC.
Pediatr Radiol 1986; 16: 306

regional function in a kidney with duplex
collecting system. Ramanna L; Moser L. *Clin
Nucl Med* 1986; 11: 53

seminal vesicle cyst and ipsilateral renal
agenesis. case report. Oyen RH; Gielen JL;
van Poppel HP; et al. *Eur J Radiol* 1988; 8:
122

small dense kidneys in a 7-year-old.
Martino CR; Pakter RL; Schultz CL; et al.
Invest Radiol 1986; 21: 76

sonography of the hypertrophied column of
Bertin. Lafortune M; Constantan A;
Bretin G; et al. *AJR* 1986; 146: 53

sonography of wall thickening of the renal
collecting system: nonspecific finding.
Babcock DS. *J Ultrasound Med* 1987; 6: 29

striation of the renal pelvis and ureter in
bilharziasis. Hugosson C. *Clin Radiol* 1987;
38: 407

supernumerary kidney: typical and atypical
features. Macpherson RL. *J Canad Assoc
Radiol* 1987; 38: 116

urological manifestations of S-
hemoglobinopathy. Mapp E; Karasick S;
Pollack H; et al. *Semin Roentgenol* 1987; 22:
186

Kidney, abscess

abdominal abscess drainage under radiologic
guidance: causes of failure. Lang EK;
Springer RM; Glorioso LW III;
Cammarata CA. *Radiology* 1986; 159: 329

abscess drainage in the genitourinary tract.
Bernardino ME; Baumgartner BR. *Radiol
Clin North Am* 1986; 24: 539

case report: renal cell carcinoma—an unusual
presentation and sequel. Scally JK. *Clin
Radiol* 1987; 38: 653

computed tomography of acute renal abscess
due to salmonella chester. Borrero GO;
Jafri SZH; Vazquez PM; et al. *Comput Radiol*
1986; 10: 41

indium-111 leukocyte scanning: false-negative
study in a renal abscess. Kumar R; Bedi DG;
Fawcett HD; et al. *Clin Nucl Med* 1986; 11:
274

inflammatory disease of the kidney.
Morehouse HT; Weiner SN; Hoffman-
Tretin JC. *Semin US CT MR* 1986; 7: 246

renal abscess: complication of ethanol
embolization. Tupper TB; Cronan JJ;
Wald LM; Dorfman GS. *Radiology* 1986; 161:
35

renal allografts: evaluation by MR imaging.
Hricak H; Terrier F; Demas BE. *Radiology*
1986; 159: 435

renal and related retroperitoneal abscesses:
percutaneous drainage. Sacks D; Banner MP;
Meranze SG; Burke DR; Robinson M;
McLean GK. *Radiology* 1988; 167: 447

renal mass with neovascularity. Cornelius RS.
Semin Roentgenol 1987; 22: 229

serendipitous detection of intrarenal abscesses
on technetium-99m MDP imaging while
evaluating a foot ulcer. Malley MJ;
Holmes RA. *Clin Nucl Med* 1988; 13: 127

suprarenal abscess in the neonate: technetium-
99m glucoheptonate imaging. Wells RG;
Sty JR; Hodgson NB. *Clin Nucl Med* 1986;
11: 32

Kidney, agenesis

See Kidney, abnormalities

Kidney, anatomy

anatomy of the perirenal area. McClennan BL;
Lee JKT; Peterson RR. *Radiology* 1986; 158:
555

bridging septa of the perinephric space:
anatomic, pathologic, and diagnostic
considerations. Kunin M. *Radiology* 1986;
158: 361

computed tomography of renal masses: pitfalls
and anatomic variants. Zeman RK;
Cronan JJ; Rosenfield AT; Choyke PL;
Paushter DM; Clark LR; Jaffe MH;
Schiebler ML. *Radiographics* 1986; 6: 351

ultrasound of the normal kidney: sonographic,
anatomic and histologic correlation.
Marchal GJF; Verbeken EE; Oyen R; et al.
Ultrasound Med Biol 1986; 12: 999

Kidney, angiography

See Renal angiography

Kidney, biopsy

arteriovenous fistula secondary to renal
biopsy. Leonard JC; Nanney SM; Tyle T.
Clin Nucl Med 1986; 11: 284

interventional radiology in renal neoplasms.
Wallace S; Charnsangavej C;
Carrasco CH; et al. *Semin Roentgenol* 1987;
22: 303

intraoperative hemorrhage after renal biopsy:
a grave prognostic sign. Low RN;
Jeffrey RB Jr. *AJR* 1988; 151: 113

new technique for renal allograft biopsy.
Ubhi CS; Irving HC; Guillou PJ; et al. *Br J
Radiol* 1987; 60: 599

percutaneous renal biopsies: accuracy, safety,
and indications. Nadel L; Baumgartner BR;
Bernardino ME. *Urol Radiol* 1986; 8: 67

prostatic carcinoma metastasis to the kidney:
diagnosis by thin needle aspiration biopsy.
Kutcher R; Greenebaum E;
Rosenblatt R; et al. *Urol Radiol* 1986; 8: 98

renal biopsy—related hemorrhage: frequency
and comparison of CT and sonography.
Ralls PW; Barakos JA; Kaptein EM; et al.
JCAT 1987; 11: 1031

renal cell carcinoma complicating long-term
dialysis: computed tomography-guided
aspiration cytology. Nunez D Jr;
Yrizarry JM; Nadi M; et al. *CT* 1986; 10: 61

ultrasonography of the kidney following renal
biopsy in children. Nybode T;
Mortenson W. *Acta Radiol* 1988; 29: 151

Kidney, blood supply

cine-CT measurement of cortical renal blood
flow. Jaschke WR; Gould RG;
Cogan MG; et al. *JCAT* 1987; 11: 779

delay in renal perfusion due to elongated
vascular graft. Ginsberg F; Sziklas JJ;
Spencer RP; et al. *Clin Nucl Med* 1987; 12:
253

unusual causes of increased vascular
impedance in renal transplants: duplex
Doppler evaluation. Warshawer DM;
Taylor KJW; Bia MJ; Marks WH; Weltin GG;
Rigsby CM; True LD; Lorber MI. *Radiology*
1988; 169: 367

Kidney, calcification

Frustrated-induced nephrocalcinosis in very
low birth weight infants. Kenney JJ;
Aiken CG; Lenney W. *Pediatr Radiol* 1988;
18: 323

MR imaging of milk of calcium renal cyst.
Kinard RE; Orrison WW; Brogdon BG; et al.
JCAT 1986; 10: 1057

partial, combined cortical and medullary
nephrocalcinosis: US and CT patterns in
AIDS-associated MAI infection. Falkoff GE;
Rigsby CM; Rosenfield AT. *Radiology* 1987;
162: 343

renal calcification incidence in very low birth
weight infants. (ab) Jacinto JS;
Modanlou D; Crade M; et al. *Radiology*
1988; 168: 591

ultrasound diagnosis of renal calcification in
infants on chronic furosemide therapy.
Myracle MR; McCahan JP;
Goetzman BW; et al. *JCU* 1986; 14: 281

Kidney, calculi

Kidney, calculi

- case of the recalcitrant Welshman, Lyons K; Evans C, *Br J Radiol* 1987; 60: 93
- combined treatment of branched calculi by percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy, (ab), Schulze H; Hertle L; Graff J; et al, *Radiology* 1986; 161: 860
- CT demonstration of spontaneous extrusion of staghorn calculus, Breatnach E; Stanley RJ; Bueschen AJ, *JCAT* 1986; 10: 346
- demonstration of a matrix calculus using computed tomography, Sheppard PW; White FE, *Br J Radiol* 1987; 60: 1028
- digital radiography using laser stimulated luminescence for evaluation of urinary calcifications, Aspelin P; Pettersson H; Boijesen E, *Acta Radiol* 1988; 29: 277
- double puncture: effective percutaneous technique for removing complex, multiple renal calculi, Mercado S; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Young AT; Cardella JF; Lange PH; Hulbert JC; Reddy PK, *Radiology* 1986; 158: 207
- entrapment of renal calculi by Malecot nephrostomy tubes, Preminger GM; Miller RH III; Curry T, *Br J Radiol* 1988; 61: 81
- extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center, Cochran ST; Barbaric ZL; Mindell HJ; Chaussey CD; Fuchs GJ; Lupu AN, *Radiology* 1987; 163: 655
- extracorporeal shock wave lithotripsy: interventional radiologic solutions to associated problems, Tegtmeyer CJ; Kellum CD; Jenkins A; Gillenwater JY; Way WG; Barr J; Pirog G; Springer R; Lippert MC; Wyker AW, *Radiology* 1986; 161: 587
- extracorporeal shock wave lithotripsy of caliceal diverticula calculi, (ab), Psihramis KE; Dretler SP, *Radiology* 1988; 167: 292
- extracorporeal shock-wave lithotripsy: prevalence of renal stones 3-21 months after treatment, Miles SG; Kaude JV; Newman RC; et al, *AJR* 1988; 150: 307
- extracorporeal shockwave lithotripsy: role of the radiologist, Bush WH; Gibbons RP, *Radiology* 1986; 158: 855
- extracorporeal shockwave lithotripsy: role of the radiologist: reply, Barth KH; Pahira JJ; Elliott LP, *Radiology* 1986; 158: 855
- factors affecting the success rate of percutaneous nephrolithotripsy and the incidence of retained fragments, (ab), Goldwasser B; Weinerth JL; Carson CC; et al, *Radiology* 1987; 162: 291
- in-bath filming during extracorporeal shock wave lithotripsy, Eusek JF; Bush WH; Burnett LL; Gibbons RP, *Radiology* 1986; 158: 850
- kidney changes after extracorporeal shock wave lithotripsy: CT evaluation, Rubin JI; Arger PH; Pollack HM; Banner MP; Coleman BG; Mintz MC; VanArsdalen KN, *Radiology* 1987; 162: 21
- kidney changes after extracorporeal shock wave lithotripsy: appearance on MR imaging, Baumgartner BR; Dickey KW; Ambrose SS; Walton KN; Nelson RC; Bernardino ME, *Radiology* 1987; 163: 531
- monotherapy of staghorn renal calculi: a comparative study between percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy, (ab), Winfield HN; Clayman RV; Chaussey CG; et al, *Radiology* 1988; 169: 586
- multiple percutaneous access routes to multiple calculi, calculi in caliceal diverticula, and staghorn calculi, Lang EK; Glorioso LW III, *Radiology* 1986; 158: 211
- nephrolithiasis and cholelithiasis in a premature infant, Ramey SL; Williams JL, *JCU* 1986; 14: 203
- nephrolithiasis following in utero diuretic exposure: an unusual case, (ab), Fischer AF; Parker BR; Stevenson DK, *Radiology* 1988; 169: 888
- percutaneous dissolution of uric acid calculi with THAM irrigation, Ebisuno S; Fukutani T; Yoshida M; et al, *Urol Radiol* 1987; 9: 146
- percutaneous nephrostolithotomy and lithotripsy: multi-institutional survey of complications, Lang EK, *Radiology* 1987; 162: 25
- percutaneous nephrostolithotomy vs open surgery for renal calculi: comparative study, (ab), Preminger GM; Clayman RV; Hardeman SW; et al, *Radiology* 1986; 158: 281
- percutaneous nephrostomy in conjunction with ESWL in treatment of nephrolithiasis, Cochran ST; Liu E; Barbaric ZL, *AJR* 1988; 151: 103
- percutaneous removal of renal and ureteral calculi: experience with 400 cases, (ab), Reddy PK; Hulbert JC; Lange PH; et al, *Radiology* 1986; 158: 859
- percutaneous removal of renal calculi, LeRoy AJ; Segura JW, *Radiol Clin North Am* 1986; 24: 615
- percutaneous removal of renal caliceal calculi: alternative approach, Glanz S; Laungani GB; Gordon DH; et al, *Urol Radiol* 1986; 8: 40
- percutaneous renal calculus removal in an extracorporeal shock wave lithotripsy practice, (ab), Leroy AJ; Segura JW; Williams HJ Jr; et al, *Radiology* 1988; 167: 293
- percutaneous techniques for the management of caliceal diverticula containing calculi, (ab), Hulbert JC; Reddy PK; Hunter DW; et al, *Radiology* 1986; 160: 285
- percutaneous ultrasonic lithotripsy of symptomatic renal calculi in children, Papanicolaou N; Pfister RC; Young HH; et al, *Pediatr Radiol* 1986; 16: 13
- pseudoureteroceles following extracorporeal shock wave lithotripsy, Barber L; Amendola MA; Pollack HM; Van Arsdalen KN, *Radiology* 1988; 167: 397
- radionuclide evaluation pre- and postextracorporeal shock wave lithotripsy for renal calculi, Boman J; Boddy SAM; Britton KE; et al, *J Nucl Med* 1987; 28: 1284
- renal calcium deposition in children: sonographic demonstration of the Anderson-Carr progression, Patriquin HB; Robitaille P, *AJR* 1986; 146: 1253
- renal calculi: sensitivity for detection with US, Middleton WD; Dodds WJ; Lawson TL; Foley WD, *Radiology* 1988; 167: 239
- renal obstruction from persistent struvite stone matrix: complication of extracorporeal shock wave lithotripsy, LaBerge JM; Sheff CD, *Radiology* 1987; 163: 535
- renal stone disease treated with extracorporeal shock wave lithotripsy: short-term observations in 100 patients, Grantham JR; Millner MR; Kaude JV; Finlayson B; Hunter PT II; Newman RC, *Radiology* 1986; 158: 203
- right upper quadrant renal milk of calcium mimicking limy bile, Dyer R; Montgomery J; Thiele A; et al, *JCU* 1987; 15: 140
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- role of silicone ureteral stents in extracorporeal shock wave lithotripsy of large renal calculi, (ab), Libby JM; Meacham RB; Griffith DP, *Radiology* 1988; 168: 885
- small caliceal stones: is extracorporeal shock wave lithotripsy justified? (ab), Mee SL; Thuroff JW, *Radiology* 1988; 169: 586
- sonographic evaluation of renal stones treated by extracorporeal shock-wave lithotripsy, Baumgartner BR; Steinberg HV; Ambrose SS; et al, *AJR* 1987; 149: 131
- spontaneous delivery of renal stone into the retroperitoneum, Moskovitz B; Bolker M; Levin DR, *Urol Radiol* 1986; 8: 214
- staghorn calculi: endourologic management in 120 patients, Lee WJ; Snyder JA; Smith AD, *Radiology* 1987; 165: 85
- staghorn calculi: percutaneous extraction versus anatomic nephrolithotomy, (ab), Snyder JA; Smith AD, *Radiology* 1987; 162: 291
- ultrasound used to detect a stone in the vesico-ureteric junction during pregnancy, Rubin G; Fitzsimons PJ, *Br J Radiol* 1986; 59: 1044
- upper urinary tract calculi: extrusion into perinephric and periureteric tissues during percutaneous management, Verstandig AC; Banner MP; Van Arsdalen KN; Pollack HM, *Radiology* 1986; 158: 215

Kidney, CT

- acquired cystic disease of the kidneys: computed tomography and ultrasonography appraisal in patients on peritoneal and hemodialysis, Jabour BA; Ralls FW; Tang WW; et al, *Invest Radiol* 1987; 22: 728
- cine-CT measurement of cortical renal blood flow, Jaschke WR; Gould RG; Cogan MG; et al, *JCAT* 1987; 11: 779
- coexistent xanthogranulomatous pyelonephritis and renal cell carcinoma, Radin DR; Chandrasoma P, *CT* 1987; 11: 294
- computed tomography after percutaneous renal stone extraction, Geterud K; Henriksson C; Pettersson S; et al, *Acta Radiol* 1987; 28: 55
- computed tomography demonstration of renal dysplasia with a vaginal ectopic ureter, Korogi Y; Takahashi M; Fujimura N; et al, *CT* 1986; 10: 273
- computed tomography in renal replacement lipomatosis, Kullendorff B; Nyman U; Aspelin P, *Acta Radiol* 1987; 28: 447
- computed tomography in the diagnosis of renal pseudotumors, Simpson EL; Mintz MC; Pollack HM; et al, *CT* 1986; 10: 341
- computed tomography of acute radiation nephritis, Moore L; Curry NS; Jenrette JM III, *Urol Radiol* 1986; 8: 80
- computed tomography of acute renal abscess due to salmonella chester, Borrero GO; Jafri SZH; Vazquez PM; et al, *Comput Radiol* 1986; 10: 41
- computed tomography of end-stage renal transplant rejection, Curry NS; Frangos DN; Tague DF, *CT* 1986; 10: 51
- computed tomography of high density renal cysts in adult polycystic kidney disease, Mezziane MA; Fishman EK; Goldman SM; et al, *JCAT* 1986; 10: 767
- computed tomography of renal aspergillosis, Zirnisky K; Auh YH; Hartman BJ; et al, *JCAT* 1987; 11: 177
- computed tomography of the kidneys in a patient with methoxyflurane abuse, Brennan RP; Pearlstein AE; Miller SA, *JCAT* 1988; 12: 155
- CT demonstration of aneurysms in polyarteritis nodosa, Wilms GE; Oyen R; Waer M; et al, *JCAT* 1986; 10: 513
- CT demonstration of spontaneous extrusion of staghorn calculus, Breatnach E; Stanley RJ; Bueschen AJ, *JCAT* 1986; 10: 346
- CT diagnosis of renal angiomyolipoma: the importance of detecting small amounts of fat, Bosniak MA; Megibow AJ; Hulnick DH; et al, *AJR* 1988; 151: 497
- CT evaluation of severe renal inflammatory disease in children, Montgomery P; Kuhn JP; Afshani E, *Pediatr Radiol* 1987; 17: 216
- CT findings in complications of acquired renal cystic disease, Soffer O; Miller LR; Lichtman JB, *JCAT* 1987; 11: 905
- CT findings in xanthogranulomatous pyelonephritis with coexistent renocolic fistula, Sussman SK; Gallmann WH; Cohan RH; et al, *JCAT* 1987; 11: 1088
- CT visualization of medullary sponge kidney, Boag GS; Nolan RL, *Urol Radiol* 1988; 9: 220
- current radiological approach to renal cysts, Bosniak MA, *Radiology* 1986; 158: 1
- demonstration of a matrix calculus using computed tomography, Sheppard PW; White FE, *Br J Radiol* 1987; 60: 1028
- explanation of renal hemodynamics in acute renal failure based on sequential CT in patients with Korean hemorrhagic fever, Lim TH; Lee JS; Choi BI; et al, *JCAT* 1987; 11: 474
- "faceless kidney": CT sign of renal duplicity, Hulnick DH; Bosniak MA, *JCAT* 1986; 10: 771
- fat-filled postoperative renal cortical defects: sonographic and CT appearance, Papanicolaou N; Harbury OL; Pfister RC, *AJR* 1988; 151: 503
- hemorrhagic focal bacterial nephritis: findings on gray-scale sonography and CT, Rigby CM; Rosenfield AT; Glickman MG; et al, *AJR* 1986; 146: 1173

- kidney changes after extracorporeal shock wave lithotripsy: CT evaluation, Rubin JJ; Arger PH; Pollack HM; Banner MP; Coleman BG; Mintz MC; VanArsdale KN, *Radiology* 1987; 162: 21
- multiloculated renal mass: considerations and differential features, Hartman DS; Davis CJ Jr; Sanders RC; Johns TT; Smirniotopoulos J; Goldman SM, *Radiographics* 1987; 7: 29
- nubbin sign on computed tomography and sonography, Blair D; Rigby C; Rosenfield AT, *Urol Radiol* 1987; 9: 149
- obstruction of the upper-pole moiety in renal duplication in adults: CT evaluation, Cronan JJ; Amis ES Jr; Zeman RK; Dorfman GS, *Radiology* 1986; 161: 17
- parapelvic lymph cyst in a renal allograft mimicking hydronephrosis: CT diagnosis, Ehrman KO; Kopecky KK; Wase JL; et al, *JCAT* 1987; 11: 714
- partial, combined cortical and medullary nephrocalcinosis: US and CT patterns in AIDS-associated MAI infection, Falkoff GE; Rigby CM; Rosenfield AT, *Radiology* 1987; 162: 343
- penetrating renal trauma: CT evaluation, Federle MP; Brown TR; McAninch JW, *JCAT* 1987; 11: 1026
- perinephric hemorrhage in autosomal dominant polycystic kidney disease: CT and MR findings, Levine E; Grantham JJ, *JCAT* 1987; 11: 108
- radiological, ultrasound and computed tomographic findings in a case of renal malacoplakia, Puvaneswary M; Teong CC, *Australas Radiol* 1987; 31: 192
- renal metastases: clinicopathologic and radiologic correlation, Choyke PL; White EM; Zeman RK; Jaffe MH; Clark LR, *Radiology* 1987; 162: 359
- renal sinus histiocytosis, Bechtold RE; Wolfman NT; Karstaedt N; Geisinger K, *Radiology* 1987; 162: 689
- renal trauma: radiological studies, Saibil EA, *Radiology* 1986; 158: 563
- renal trauma: radiological studies, Kotval PS; Weingarten M, *Radiology* 1986; 158: 563
- renal trauma: radiological studies: reply, Lang EK, *Radiology* 1986; 158: 564
- renal vein thrombosis in patients with nephrotic syndrome: CT diagnosis, Gatewood OMB; Fishman EK; Burrow CR; Walker WG; Goldman SM; Siegelman SS, *Radiology* 1986; 159: 117
- renal xanthogranulomatosis: radiological, clinical, and pathological features in two cases, Merine DS; Fishman EK; Siegelman SS, *JCAT* 1987; 11: 785
- retrograde opacification of the renal vein: CT sign of renal artery avulsion, Cates JD; Foley WD; Lawson TL, *Urol Radiol* 1986; 8: 92
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegmeyer CJ; Jenkins AD; Barr JD; Gillenwater JV; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- shrinking and disappearing renal cysts, Friedland GW, *Urol Radiol* 1987; 9: 21
- sonography of hemorrhagic cysts with computed tomographic correlation, Gooding GAW, *J Ultrasound Med* 1986; 5: 699
- spontaneous and traumatic rupture of renal cysts: diagnosis and outcome, Papanicolaou N; Pfister RC; Yoder IC, *Radiology* 1986; 160: 99
- spontaneous renal hemorrhage due to cyst rupture: CT findings, Davis JM III; McLaughlin AP, *AJR* 1987; 148: 763
- suburothelial hemorrhage: value of preinfusion computed tomography, Kossol JM; Patel SK, *JCAT* 1986; 10: 157
- tomographic levels for intravenous urography: CT-determined guidelines, Rhodes RA; Fried AM; Lorman JG; Kryscio RJ, *Radiology* 1987; 163: 673
- ultrasound and computed tomographic evaluation of renal transplantation, Letourneau JG; Day DL; Feinberg SB, *Radiol Clin North Am* 1987; 25: 267
- unusual long term follow-up of xanthogranulomatous pyelonephritis by computed tomography: case report, Castillo M; Castillas J, *Comput Radiol* 1986; 4: 179
- xanthogranulomatous pyelonephritis: comparison of extent using computed tomography and magnetic resonance imaging in one case, Feldberg MAM; Driessen LP; Witkamp TD; et al, *Urol Radiol* 1988; 10: 92
- ### Kidney, cysts
- acquired cystic disease of the kidney in patients on hemodialysis, Taves DH, *J Canad Assoc Radiol* 1986; 37: 161
- acquired cystic disease of the kidneys: computed tomography and ultrasonography appraisal in patients on peritoneal and hemodialysis, Jabour BA; Ralls FW; Tang WW; et al, *Invest Radiol* 1987; 22: 728
- adult polycystic horseshoe kidney, Dobranowski J; Somers S; Pirani M, *J Canad Assoc Radiol* 1986; 37: 208
- advantage of indium-111 leukocytes over ultrasound in imaging an infected renal cyst, Fortner A; Taylor A Jr; Alazraki NP; et al, *J Nucl Med* 1986; 27: 1147
- benign space-occupying conditions of the kidneys, Harrison RB; Dyer R, *Semin Roentgenol* 1987; 22: 275
- bilateral multicystic dysplastic kidneys, Schifter T; Heller RM, *Pediatr Radiol* 1988; 18: 242
- calcified post-traumatic renal pseudotumour, Loughran CF; Ehmke FM, *Br J Radiol* 1986; 59: 515
- chronic renal failure: significant risk factor in the development of acquired renal cysts and renal cell carcinoma: case reports and review of the literature, (ab), Bretan PN Jr; Busch MF; Hricak H; et al, *Radiology* 1986; 161: 574
- complex and simple renal cysts: comparative evaluation with MR imaging, Marotti M; Hricak H; Fritzsche P; Crooks LE; Hedgcock MW; Tanagho EA, *Radiology* 1987; 162: 679
- computed tomography of high density renal cysts in adult polycystic kidney disease, Mezziane MA; Fishman EK; Goldman SM; et al, *JCAT* 1986; 10: 767
- computerized tomography and ultrasound in the diagnosis of cerebro-hepato-renal syndrome of Zellweger, Weese-Mayer DE; Smith KM; Reddy JK; et al, *Pediatr Radiol* 1987; 17: 170
- congenital hepatic fibrosis with saccular dilatation of intrahepatic bile ducts and infantile polycystic kidneys, Davies CH; Stringer DA; Whyte H; et al, *Pediatr Radiol* 1986; 16: 302
- CT findings in complications of acquired renal cystic disease, Soffer O; Miller LR; Lichtman JB, *JCAT* 1987; 11: 905
- current radiological approach to renal cysts, Bosniak MA, *Radiology* 1986; 158: 1
- cystic renal mass evaluation: real-time versus static imaging, Weinreb JC; Arger PH; Coleman BG; et al, *JCU* 1986; 14: 29
- detection of renal masses: sensitivities and specificities of excretory urography/linear tomography, US, and CT, Warshaw DM; McCarthy SM; Street L; Bookbinder MJ; Glickman MG; Richter J; Hammers L; Taylor C; Rosenfield AT, *Radiology* 1988; 169: 363
- diagnosis of autosomal dominant polycystic kidney disease in utero and in the young infant, Pretorius DH; Lee ME; Manco-Johnson ML; et al, *J Ultrasound Med* 1987; 6: 249
- dilemma of the multicystic dysplastic kidney, (ab), Hartman GE; Smolik LM; Shochat SJ, *Radiology* 1987; 164: 296
- dominant and recessive polycystic kidney disease in children: classification by intravenous pyelography, ultrasound, and computed tomography, Käriläinen H; Jäskeläinen J; Kivisaari L; et al, *Pediatr Radiol* 1988; 18: 45
- emergence of hepatic fibrosis and portal hypertension in infants and children with autosomal recessive polycystic kidney disease: initial and follow-up sonographic and radiographic findings, Premkumar A; Berdon WE; Levy J; et al, *Pediatr Radiol* 1988; 18: 123
- epithelial hyperplasia in human polycystic kidney diseases: its role in pathogenesis and risk of neoplasia, (ab), Bernstein J; Evan AP; Gardner KD Jr, *Radiology* 1988; 167: 588
- false-positive iodine-131 body scan caused by a large renal cyst, Brachman MB; Rothman BI; Ramanna L; et al, *Clin Nucl Med* 1988; 13: 416
- fetal renal cystic disease: sonographic-pathologic correlation, Fong KW; Rahman MR; Rose TH; et al, *AJR* 1986; 146: 767
- follow-up studies of multicystic dysplastic kidneys, Vinocur L; Slovis TL; Perlmuter AD; Watts FB Jr; Chang C-H, *Radiology* 1988; 167: 311
- guided cyst puncture and aspiration, Sandler CM; Houston GK; Hall JT; et al, *Radiol Clin North Am* 1986; 24: 527
- infected cyst localization with gallium SPECT imaging in polycystic kidney disease, Amesur P; Castronuovo JJ; Chandramouly B, *Clin Nucl Med* 1988; 13: 35
- intrarenal epidermoid cyst, Duprat G Jr; Filiatrault D; Michaud J, *Pediatr Radiol* 1986; 16: 73
- in vivo and in vitro MR imaging of renal tumors: histopathologic correlation and pulse sequence optimization, Quint LE; Glazer GM; Chenevert TL; Fechner KP; Gikas FW; Shireman PK; Grossman HB; Li KC, *Radiology* 1988; 169: 359
- MR imaging of milk of calcium renal cyst, Kinard RE; Orrison WW; Brogdon BG; et al, *JCAT* 1986; 10: 1057
- MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, *Radiology* 1988; 166: 303
- MRI of hemorrhagic renal cysts in polycystic kidney disease, Hilpert FL; Friedman AC; Radecki PD; et al, *AJR* 1986; 146: 1167
- multicystic dysplastic kidney in utero: changing appearance on US, Hashimoto BE; Filly RA; Callen PW, *Radiology* 1986; 159: 107
- multicystic dysplastic kidney: natural history from in utero diagnosis and postnatal followup, (ab), Avni EF; Thous Y; Lalmand B; et al, *Radiology* 1988; 167: 885
- multicystic dysplastic kidney: observations of contralateral disease in the fetal population, Kleiner B; Filly RA; Mack LA; Callen PW, *Radiology* 1986; 161: 27
- multicystic dysplastic kidneys: spontaneous regression demonstrated with US, Pedicelli G; Jequier S; Bowen A; Boisvert J, *Radiology* 1986; 161: 23
- multilocular renal lesions—a diagnostic challenge, Alanan A; Nurmi M; Ekfors T, *Clin Radiol* 1987; 38: 475
- needle puncture of cystic renal masses: survey of the Society of Uroradiology, Amis ES Jr; Cronan JJ; Pfister RC, *AJR* 1987; 148: 297
- normal and hydronephrotic kidney: evaluation of renal function with contrast-enhanced MR imaging, Kikinis R; von Schulthess GK; Jager F; Durr R; Bino M; Kuoni W; Kubler O, *Radiology* 1987; 165: 837
- palliative punctures in polycystic liver and kidney disease under sonographic monitoring, (ab), Brockmann WP; Klapdor R, *Radiology* 1986; 158: 566
- perinephric hemorrhage in autosomal dominant polycystic kidney disease: CT and MR findings, Levine E; Grantham JJ, *JCAT* 1987; 11: 108
- polycystic kidneys incidentally visualized during renal transplant imaging, Oates E; Vazquez R, *Clin Nucl Med* 1988; 13: 296
- renal cystic disease in childhood, Hayden CK Jr; Swischuk LE; Smith TH; Armstrong EA, *Radiographics* 1986; 6: 97
- renal dysplasia: sonographic findings, Sanders RC; Nussbaum AR; Solez K, *Radiology* 1988; 167: 623
- renal lesions of tuberosclerosis (cysts and angiomyolipoma)—screening with sonography and computerized tomography, Narla LD; Slovis TL; Watts FB; et al, *Pediatr Radiol* 1988; 18: 205
- renal mass with neovascularity, Cornelius RS, *Semin Roentgenol* 1987; 22: 229
- shrinking and disappearing renal cysts, Friedland GW, *Urol Radiol* 1987; 9: 21
- sonographically detectable cysts in polycystic kidney disease in newborn and young infants, Worthington JL; Shackelford GD; Cole BR; et al, *Pediatr Radiol* 1988; 18: 287
- sonography of hemorrhagic cysts with computed tomographic correlation, Gooding GAW, *J Ultrasound Med* 1986; 5: 699
- sonography of the Zellweger syndrome, Luisiri A; Sotelo-Avila C; Silberstein MJ; et al, *J Ultrasound Med* 1988; 7: 169

Kidney, cysts

- spectrum of sonographic findings in infantile polycystic kidney disease with urographic and clinical correlations, (ab), Melson GL; Shackelford GD; Cole BR; et al, *Radiology* 1986; 158: 283
- spontaneous and traumatic rupture of renal cysts: diagnosis and outcome, Papanicolaou N; Pfister RC; Yoder IC, *Radiology* 1986; 160: 99
- spontaneous renal hemorrhage due to cyst rupture: CT findings, Davis JM III; McLaughlin AP, *AJR* 1987; 148: 763
- technetium-99m DISIDA imaging in autosomal-dominant polycystic kidney, Mishkin J; Makler PT Jr; Velchik MG; et al, *Clin Nucl Med* 1986; 11: 368
- ultrasongraphic features of glomerulocystic disease in infancy: similarity to infantile polycystic kidney disease, Fitch SJ; Stapleton FB, *Pediatr Radiol* 1986; 16: 400
- ### Kidney, diseases
- abnormal nephrogram, Dyer RB; Munitz HA; Bechtold R; Choplin RH, *Radiographics* 1986; 6: 1039
- acute renal rejection versus acute tubular necrosis in a canine model: MR evaluation, Rholl KS; Lee JKT; Ling D; Sicard GA; Griffith RC; Freeman M, *Radiology* 1986; 160: 113
- case of the season, Fruauff AA, *Semin Roentgenol* 1988; 23: 6
- case report 401, Vichi GF; Falcini F; Pierattelli M; et al, *Skeletal Radiol* 1986; 15: 665
- computed tomography of renal lymphomatoid granulomatosis, Abeln EL; Pausher DM; Mehta A, *JCAT* 1988; 12: 671
- CT visualization of medullary sponge kidney, Boag GS; Nolan RL, *Urol Radiol* 1988; 9: 220
- displaced calcium as a sign of transitional cell carcinoma in analgesic nephropathy, Marrocco FS; Leekam RN; Matzinger MA; et al, *J Canad Assoc Radiol* 1986; 37: 122
- evaluation of azotemic patients: diagnostic yield of initial US examination, Ritchie WW; Vick CW; Glocheski SK; Cook DE, *Radiology* 1988; 167: 245
- inability to detect kidney disease on the basis of echogenicity, Platt JF; Rubin JM; Bowerman RA; et al, *AJR* 1988; 151: 317
- increased renal cortical echogenicity in pediatric renal disease: histopathologic correlations, Brenbridge AN; Chevalier RL; Kaiser DL, *JCU* 1986; 14: 595
- late ultrasonographic pattern in congenital nephrotic syndrome of Finnish type, Perale R; Talenti E; Lubrano G; et al, *Pediatr Radiol* 1988; 18: 71
- lupus nephritis: new sonographic findings, Longmaid HE III; Rider EA; Tymkiw J, *J Ultrasound Med* 1987; 6: 75
- metastatic calcification of the heart and lungs in end-stage renal disease: detection and quantification by dual-energy digital chest radiography, Sanders C; Frank MS; Rostand SG; et al, *AJR* 1987; 149: 881
- more medullary sponge variants, Gedroyc WMW; Saxton HM, *Clin Radiol* 1988; 39: 423
- morphology, progression, and regression of arterial and periarterial calcifications in patients with end-stage renal disease, Meema HE; Oreopoulos DG, *Radiology* 1986; 158: 671
- MR in renal disease: importance of cortical-medullary distinction, Marotti M; Hricak H; Terrier F; et al, *Magn Res Med* 1987; 5: 160
- percutaneous renal ablation in patients with end-stage renal disease: alternative to surgical nephrectomy, Keller FS; Coyle M; Rosch J; Dotter CT, *Radiology* 1986; 159: 447
- perinephric hemorrhage in autosomal dominant polycystic kidney disease: CT and MR findings, Levine E; Grantham JJ, *JCAT* 1987; 11: 108
- primary amyloidosis of the ureter and renal pelvis, Davis PS; Babaria A; March DE; et al, *Urol Radiol* 1987; 9: 158
- radiological, ultrasound and computed tomographic findings in a case of renal malacoplakia, Puvaneswary M; Teong CC, *Australas Radiol* 1987; 31: 192
- renal adenocarcinoma and end stage kidney disease, (ab), Boileau M; Foley R; Flechner S; et al, *Radiology* 1988; 166: 909
- renal amyloidosis: evaluation by gallium imaging, Lee VW; Skinner M; Cohen AS; et al, *Clin Nucl Med* 1986; 11: 642
- renal involvement in AIDS: sonographic-pathologic correlation, Hamper UM; Goldblum LE; Hutchins GM; et al, *AJR* 1988; 150: 1321
- renal sinus histiocytosis, Bechtold RE; Wolfman NT; Karstaedt N; Geisinger K, *Radiology* 1987; 162: 689
- renal vein thrombosis in patients with nephrotic syndrome: CT diagnosis, Gatewood OMB; Fishman EK; Burrow CR; Walker WG; Goldman SM; Siegelman SS, *Radiology* 1986; 159: 117
- renal xanthogranulomatosis: radiological, clinical, and pathological features in two cases, Merline DS; Fishman EK; Siegelman SS, *JCAT* 1987; 11: 785
- spontaneous subcapsular and perinephric hemorrhage in end-stage kidney disease: clinical and CT findings, Levine E; Grantham JJ; MacDougall ML, *AJR* 1987; 148: 755
- ### Kidney, diverticula
- growing caliceal diverticular defect, Conrad M; Newton J; Harkins J, *Urol Radiol* 1987; 9: 194
- percutaneous techniques for the management of caliceal diverticula containing calculi, (ab), Hulbert JC; Reddy PK; Hunter DW; et al, *Radiology* 1986; 160: 285
- pyelocalyceal diverticula in the Beckwith-Wiedemann syndrome, Bronk JB; Parker BR, *Pediatr Radiol* 1987; 17: 80
- ### Kidney, dysplasia
- circumscribed renal mass in dysplastic kidney: pseudomass vs. tumor, Gordillo R; Vilario M; Sherman NH; et al, *J Ultrasound Med* 1987; 6: 613
- computed tomography demonstration of renal dysplasia with a vaginal ectopic ureter, Korogi Y; Takahashi M; Fujimura N; et al, *CT* 1986; 10: 273
- development of the hypodysplastic kidney: contribution of antenatal US diagnosis, Avni EF; Thoma Y; Van Gansbeke D; Matos C; Didier F; Droulez P; Schulman CC, *Radiology* 1987; 164: 123
- ectopic ureter and ureterocele: their varied sonographic manifestations, Nussbaum AR; Dorst JP; Jeffs RD; Gearhart JP; Sanders RC, *Radiology* 1986; 159: 227
- multicystic dysplasia and crossed renal ectopia, Nussbaum AR; Hartman DS; Whitley NO; et al, *AJR* 1987; 149: 407
- multicystic dysplastic kidney and contralateral renal aplasia in a twin: diagnosis by prenatal sonography, Campbell AF, *AJR* 1988; 151: 145
- multicystic dysplastic kidneys and diagnostic confusion on renal scan, (ab), Carey PO; Howards SS, *Radiology* 1988; 168: 588
- renal dysplasia: sonographic findings, Sanders RC; Nussbaum AR; Solez K, *Radiology* 1988; 167: 623
- reversible renal fibromuscular dysplasia, Nemcek AA Sr; Holmberg CE, *AJR* 1986; 147: 737
- ### Kidney, edema
- thickening of the renal collecting system: a nonspecific finding at US, Nicolet V; Carignan L; Dubuc G; Hébert G; Bourdon F; Paquin F, *Radiology* 1988; 168: 411
- ### Kidney, effects of drugs on
- amylase-creatinine clearance ratio: a simple test to predict gentamicin nephrotoxicity, (ab), Aderka D; Tene M; Graff E; et al, *Radiology* 1988; 169: 288
- analgesic nephropathy: ultrasonic features, Puvaneswary M; Segasothy M, *Australas Radiol* 1988; 32: 247
- contrast agent nephrotoxicity: comparison of ionic and nonionic contrast agents, Stacul F; Carraro M; Magnaldi S; et al, *AJR* 1987; 149: 1287
- contrast media and renal function in the immature kidney, Newman B; Caldicott WJH; Michelow P, *Invest Radiol* 1987; 22: 608
- distinction between acute renal transplant rejection and cyclosporine nephrotoxicity: value of duplex sonography, Buckley AR; Cooperberg PL; Reeve GE; et al, *AJR* 1987; 149: 521
- effect of cisplatin on renal function in patients with testicular tumours, Macleod PM; Tyrell CJ; Keeling DH, *Clin Radiol* 1988; 39: 190
- effects of contrast media on renal function and subcellular morphology in the dog, Katzberg RW; Pabico RC; Morris TW; et al, *Invest Radiol* 1986; 21: 64
- evaluation of cyclosporine nephrotoxicity in rats with various renal radioactive agents, McAfee JG; Thomas FD; Subramanian G; et al, *J Nucl Med* 1988; 29: 1577
- renal damage in mice after treatment with cisplatin alone or in combination with x-irradiation, Stewart F; Bohlken S; Begg A; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 927
- ### Kidney, effects of irradiation on
- computed tomography of acute radiation nephritis, Moore L; Curry NS; Jenrette JM III, *Urol Radiol* 1986; 8: 89
- late radiation response of kidney assayed by tubule-cell survival, Withers HR; Mason KA; Thames HD Jr, *Br J Radiol* 1986; 59: 587
- radiation nephropathy in young and adult rats, Jongejan HTM; van der Kogel AJ; Provoost AP; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 225
- renal complications secondary to radiation treatment of upper abdominal malignancies, Willett CG; Tepper JE; Orloff EL; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1601
- renal damage in mice after treatment with cisplatin alone or in combination with x-irradiation, Stewart F; Bohlken S; Begg A; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 927
- repair of sublethal radiation injury after multiple small doses in mouse kidney: an estimate of flexure dose, Stewart FA; Oussoren Y; Luts A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 765
- unilateral kidney irradiation and late retreatment with cis-dichlorodiammineplatinum (II): functional measurements with ^{99m}technetium-dimercaptosuccinic acid, Lenduyt W; Van der Kogel AJ; De Roo M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 95
- ### Kidney, failure
- acute pancreatitis associated with end-stage renal disease, Van Dyke JA; Rutsky EA; Stanley RJ, *Radiology* 1986; 160: 403
- acute renal failure in children: an ultrasonographic-clinical study, Vergesslich KA; Sommer G; Wittich GR; et al, *Eur J Radiol* 1987; 7: 263
- acute renal vein thrombosis: successful treatment with intraarterial urokinase, Vogelzang RL; Moel DI; Cohn RA; Donaldson JS; Langman CB; Nemcek AA Jr, *Radiology* 1988; 169: 681
- annotation: renal failure radiology—1987, Evans C, *Clin Radiol* 1987; 38: 457
- bilateral metachronous xanthogranulomatous pyelonephritis in end-stage renal failure, Colomb J; Solomon A; Peer G; et al, *Urol Radiol* 1986; 8: 95
- bladder mucosal tears during voiding cystourethrography in chronic renal failure, Matsumoto AH; Clark RL; Cuttino JT Jr, *Urol Radiol* 1986; 8: 81
- Breast calcifications in renal hyperparathyroidism, Sommer G; Kopsa H; Zazgornik J; et al, *AJR* 1987; 148: 855
- calcification of the heart: rare manifestation of chronic renal failure, de Moraes RC, *Pediatr Radiol* 1986; 16: 422
- chronic renal failure: significant risk factor in the development of acquired renal cysts and renal cell carcinoma: case reports and review of the literature, (ab), Bretan PN Jr; Busch MP; Hricak H; et al, *Radiology* 1986; 161: 574
- clinical picture of the amyloid arthropathy in patients with chronic renal failure maintained on haemodialysis using cellulose membranes, (ab), Muñoz-Gómez J; Gómez-Pérez R; Llopert-Buisán E; et al, *Radiology* 1988; 166: 912
- contrast-induced renal failure: detection by the persistent nephrogram: a case report, Davies RP; Sage MR, *Australas Radiol* 1987; 31: 386
- diagnostic role of intravenous urography in acute and chronic renal failure, Keeton GR; Pillay GP, *Urol Radiol* 1986; 8: 72

- digoxin-like substance in term pregnancy, newborns, and renal failure, Witherspoon L; Shuler S; Alyea K; et al, *J Nucl Med* 1986; 27: 1418
- explanation of renal hemodynamics in acute renal failure based on sequential CT in patients with Korean hemorrhagic fever, Lim TH; Lee JS; Choi BI; et al, *JCAT* 1987; 11: 474
- extensive breast calcification in renal failure, Cooper RA; Berman S, *J Thorac Imag* 1988; 3-2: 81
- failure to visualize acutely injured kidneys with technetium-99m DMSA does not preclude recoverable function, Taylor A Jr; Akiya F; Gregory MC, *J Nucl Med* 1986; 27: 377
- fatal outcome after ethanol renal ablation in child with end-stage kidneys, Garel L; Mareschal JJ; Gagnadoux MF; et al, *AJR* 1986; 146: 593
- hemodialysis is not essential for the development of destructive spondylarthropathy in patients with chronic renal failure, (ab), Alcalay M; Goupay M-C; Azais I; et al, *Radiology* 1988; 167: 590
- intravascular contrast media: effect of dose on renal function, Miller DL; Chang R; Wells WT; Dowjat BA; Malinsky RM; Doppman JL, *Radiology* 1988; 167: 607
- nondilated obstructive acute renal failure: diagnostic procedures and therapeutic management, Maillet PJ; Pelle-Francoz D; Laville M; Gay F; Pinet A, *Radiology* 1986; 160: 659
- nondilated obstructive uropathy, Goldfarb CR; Ongseng F; Chokshi V, *Radiology* 1987; 162: 879
- nondilated obstructive uropathy: percutaneous nephrostomy performed to reverse renal failure, Naidich JB; Rackson ME; Mossey RT; Stein HL, *Radiology* 1986; 160: 653
- nondilated obstructive uropathy: reply, Naidich JB; Rackson ME; Stein HL; Mossey RT, *Radiology* 1987; 162: 879
- proton MR study of different types of experimental acute renal failure in rats, Iaina A; Abrashkin S; Weininger J, *Magn Res Imag* 1986; 4: 241
- recognition of renal osteodystrophy on bone imaging, Eggleston DE; Bartold K; Abghari R, *Clin Nucl Med* 1986; 11: 543
- renal allografts: evaluation by MR imaging, Hricak H; Terrier F; Demas BE, *Radiology* 1986; 159: 435
- renal failure and advanced atherosclerotic lesions: salvage by vascular reconstruction, (ab), Elmore JR; Ray FS; Dillihunt RC; et al, *Radiology* 1988; 169: 288
- renal subcapsular rim sign: radionuclide pattern, Howman-Giles R; Gatt M; Roy P, *Clin Nucl Med* 1986; 11: 285
- reversible CT changes in uremic encephalopathy, Komatsu Y; Shinohara A; Kukita C; et al, *AJNR* 1988; 9: 215
- Rhabdomyolysis and renal failure in child abuse, Mukherji SK; Siegel MJ, *AJR* 1987; 148: 1203
- risk factors and outcome of hospital-acquired acute renal failure: clinical epidemiologic study, (ab), Shusterman N; Strom BL; Murray TG; et al, *Radiology* 1988; 166: 587
- spontaneous subcapsular and perinephric hemorrhage in end-stage kidney disease: clinical and CT findings, Levine E; Grantham JJ; MacDougall ML, *AJR* 1987; 148: 755
- technetium-99m pyrophosphate imaging in acute renal failure associated with nontraumatic rhabdomyolysis, Patel R; Mishkin FS, *AJR* 1986; 147: 815
- uremic pleural effusion detected on radionuclide renogram, Abdel-Dayem HM; Nawaz MK; Suhaili AR; et al, *Clin Nucl Med* 1986; 11: 196
- Kidney, function**
- aluminemic disturbance of technetium-99m DTPA renal function measurement, Specht HD; Belsey R; Hanada J, *J Nucl Med* 1987; 28: 383
- calculation of relative glomerular filtration rate and correlation with delayed technetium-99m DMSA imaging, Taylor A Jr; Kipper M; Witztum K, *Clin Nucl Med* 1986; 11: 28
- comparison between four simple methods for measuring glomerular filtration rate using technetium-99m DTPA, Ginjaume M; Casey M; Barker F; et al, *Clin Nucl Med* 1986; 11: 647
- comparison of clearance and arteriovenous extraction techniques for measurements of renal hemodynamic functions, Katzberg RW; Pabico RC; Morris TW; et al, *Invest Radiol* 1986; 21: 910
- comparison of simplified and standard methods for the measurement of glomerular filtration rate and renal tubular function, Notghi A; Merrick MV; Ferrington C; et al, *Br J Radiol* 1986; 59: 35
- contrast media and renal function in the immature kidney, Newman B; Caldicott WJH; Michelow P, *Invest Radiol* 1987; 22: 608
- determination of glomerular filtration rate by single-plasma sampling technique following injection of radioiodinated diatrizoate, Tauxe WN, *J Nucl Med* 1986; 27: 45
- differential renal function in unilateral renal injury: possible effects of radiopharmaceutical choice, (ab), Taylor A Jr; Lallone R, *Radiology* 1986; 158: 569
- estimating kidney function during urography: comparison of contrast medium clearance and simultaneous ⁵¹Cr-EDTA clearance, Sjöberg S; Hellsten S; Almén T; et al, *Acta Radiol* 1987; 28: 587
- importance of using anterior and posterior views in the calculation of differential renal function using ^{99m}Tc-DMSA, Wujanto R; Lawson RS; Prescott MC; et al, *Br J Radiol* 1987; 60: 869
- incidentally evaluating the status of renal function in technetium-99m DISIDA hepatobiliary imaging, Shih W-J; DeLand FH; Coupal JJ; et al, *Clin Nucl Med* 1986; 11: 860
- measurement of effective renal plasma flow: a comparison of methods, Fine EJ; Axelrod M; Gorkin J; et al, *J Nucl Med* 1987; 28: 1393
- measurement of glomerular filtration rate with technetium-99m DTPA: comparison of plasma clearance techniques, Waller DG; Keast CM; Fleming JS; et al, *J Nucl Med* 1987; 28: 372
- measurement of relative renal function: a comparison of methods and assessment of reproducibility, Nimmo MJ; Merrick MV; Allan PL, *Br J Radiol* 1987; 60: 861
- normal and hydronephrotic kidney: evaluation of renal function with contrast-enhanced MR imaging, Kikinis R; von Schulthess GK; Jager P; Durr R; Bino M; Kuoni W; Kubler O, *Radiology* 1987; 165: 837
- rapid method for the measurement of differential renal function: validation, Chachati A; Meyers A; Godon JP; et al, *J Nucl Med* 1987; 28: 829
- regional function in a kidney with duplex collecting system, Ramanna L; Moser L, *Clin Nucl Med* 1986; 11: 53
- renal function measured by x-ray fluorescence analysis: a comparison between contrast medium clearance and non-simultaneous ⁵¹Cr-EDTA clearance, Boijpen M; Jacobsson L; Tylen U, *Acta Radiol* 1987; 28: 581
- scintigraphy of kidneys located at different depths: the geometric mean method for determination of differential renal function: case report, Hartling OJ; Marving J; Munck O, *Clin Nucl Med* 1987; 12: 956
- simplified method for the routine determination of effective renal plasma flow, Floyd JL; Jackson DE Jr; Thomas JM, *Clin Nucl Med* 1986; 11: 758
- single-sample method for the estimation of glomerular filtration rate in children, Tauxe WN; Bagchi A; Tepe PG; et al, *J Nucl Med* 1987; 28: 366
- ^{99m}Tc-glucosylate for quantitation of differential renal function, Ziessman HA; Balseiro J; Fahey FH; et al, *AJR* 1987; 148: 889
- three-hour volume of distribution method: accurate simplified method of glomerular filtration rate measurement, Fawdry RM; Gruenewald SM, *J Nucl Med* 1987; 28: 510
- urographic visualization of the native kidneys following renal transplantation: a demonstration of the intact nephron hypothesis, Liano F; Matesanz R; Teruel JL; et al, *Br J Radiol* 1988; 61: 255
- visual determination of differential renal function, Kipper MS; Witztum K; Taylor A Jr, *Clin Nucl Med* 1986; 11: 313
- Kidney, hematoma**
- See Kidney, hemorrhage
- Kidney, hemorrhage**
- bridging septa of the perinephric space: anatomic, pathologic, and diagnostic considerations, Kunin M, *Radiology* 1986; 158: 361
- magnetic resonance imaging of experimental renal hemorrhage, Paajanen H; Schmiedl U; Aho HJ; et al, *Invest Radiol* 1987; 22: 792
- perinephric hemorrhage in autosomal dominant polycystic kidney disease: CT and MR findings, Levine E; Grantham JJ, *JCAT* 1987; 11: 108
- significant renal hemorrhage following extracorporeal shock wave lithotripsy: imaging and clinical features, Papanicolaou N; Stafford SA; Pfister RC; Althausen AF; Dretler SP, *Radiology* 1987; 163: 661
- spontaneous renal hemorrhage due to cyst rupture: CT findings, Davis JM III; McLaughlin AP, *AJR* 1987; 148: 763
- spontaneous subcapsular and perinephric hemorrhage in end-stage kidney disease: clinical and CT findings, Levine E; Grantham JJ; MacDougall ML, *AJR* 1987; 148: 755
- spontaneous subcapsular renal hematoma: diagnosis and management, (ab), Kendall AR; Senay BA; Coll ME, *Radiology* 1988; 168: 886
- suburothelial hemorrhage: value of preinfusion computed tomography, Kossol JM; Patel SK, *JCAT* 1986; 10: 157
- suprarenal haematoma versus neuroblastoma complicated by haemorrhage: diagnostic dilemma in the newborn, Eklof O; Mortenson W; Sandstedt B, *Acta Radiol* 1986; 27: 3
- unusual renal mass in a newborn infant, Newman B; Smith S, *Radiology* 1987; 163: 193
- Kidney, infarction**
- acute renal infarction: diagnosis by Doppler ultrasound, Martin KW; McAlister WH; Shackelford GD, *Pediatr Radiol* 1988; 18: 373
- chemical ablation of the canine kidney using sodium tetradeceyl sulfate (Sotradeol): histopathologic study, Griffin DJ; Oke EJ; Cho KJ; et al, *Invest Radiol* 1986; 21: 217
- polar infarct in a transplanted kidney: cause of a pseudomass, Sussman SK; Baker ME; Saeed M; et al, *Urol Radiol* 1987; 9: 42
- Kidney, infection**
- acute and chronic urinary infection: present concepts and controversies, Goldman SM, *Urol Radiol* 1988; 10: 17
- computed tomography of renal aspergillosis, Zirinsky K; Auh YH; Hartman BJ; et al, *JCAT* 1987; 11: 177
- imaging in acute renal infection in children, Sty JR; Wells RC; Starshak RJ; et al, *AJR* 1987; 148: 471
- inflammatory disease of the kidney, Morehouse HT; Weiner SN; Hoffman-Tretin JC, *Semin US CT MR* 1986; 7: 246
- neonatal renal candidiasis: sonographic diagnosis, Kintanar C; Cramer BC; Reid WD; et al, *AJR* 1986; 147: 801
- percutaneous extraction of renal fungus ball, Doemeny JM; Banner MP; Shapiro MJ; et al, *AJR* 1988; 150: 1331
- renal candidiasis of the infant: ultrasound evaluation, Cohen HL; Haller JO; Schechter S; et al, *Urol Radiol* 1986; 8: 17
- renal obstruction from persistent struvite stone matrix: complication of extracorporeal shock wave lithotripsy, LaBerge JM; Sheff CD, *Radiology* 1987; 163: 535
- sonography of renal inflammatory disease, Piccirillo M; Rigaby CM; Rosenfield AT, *Urol Radiol* 1987; 9: 66
- striation of the renal pelvis and ureter in bilharziasis, Hugosson C, *Clin Radiol* 1987; 38: 407

Kidney, infection

- thickening of the renal collecting system: a nonspecific finding at US, Nicolet V; Carignan L; Dubuc G; Hébert C; Bourdon F; Paquin F, *Radiology* 1988; 168: 411
- urinary tract infection in children: putting radiology in its place, Lebowitz RL; Mandell J, *Radiology* 1987; 165: 1
- Kidney, inflammation**
- See Nephritis
- Kidney, injuries**
- calicified post-traumatic renal pseudotumour, Loughran CF; Ehmké FM, *Br J Radiol* 1986; 59: 515
- clinical indications for radiographic evaluation of blunt renal trauma, (ab), Cass AS; Luxenberg M; Gleich P; et al, *Radiology* 1987; 162: 292
- differential renal function in unilateral renal injury: possible effects of radiopharmaceutical choice, (ab), Taylor A Jr; Lallone R, *Radiology* 1986; 158: 569
- penetrating renal trauma: CT evaluation, Federle MP; Brown TR; McAninch JW, *JCAT* 1987; 11: 1026
- president's address: caring for the major trauma victim: role for radiology, McCort JJ, *Radiology* 1987; 163: 1
- renal trauma: radiological studies, Saibil EA, *Radiology* 1986; 158: 563
- renal trauma: radiological studies, Kotval PS; Weingarten M, *Radiology* 1986; 158: 563
- renal trauma: radiological studies: reply, Lang EK, *Radiology* 1986; 158: 564
- unusual renal mass in a newborn infant, Newman B; Smith S, *Radiology* 1987; 163: 193
- use of CT in acute trauma victims, Young JWR; Burgess AR, *Radiology* 1988; 166: 903
- use of CT in acute trauma victims: reply, McCort JJ, *Radiology* 1988; 166: 903
- Kidney, interventional procedure**
- abscess drainage in the genitourinary tract, Bernardino ME; Baumgartner BR, *Radiol Clin North Am* 1986; 24: 539
- combined percutaneous and extracorporeal shock wave lithotripsy for staghorn calculi: an alternative to anastrophic nephrolithotomy, (ab), Kahnoski RJ; Lingeman JE; Coury TA; et al, *Radiology* 1986; 160: 857
- complications of percutaneous nephrolithotomy, Lee WJ; Smith AD; Cubelli V; et al, *AJR* 1987; 148: 177
- distal ureteral obstruction complicating percutaneous nephrolithotomy, (ab), Culkin DJ; Wheeler JS Jr; Canning JR, *Radiology* 1988; 167: 293
- Dray ureteral stent set: clinical experience in 25 patients, Rozenblit G; Tarasov E; Surur MF; Neithamer CD Jr; Summers EH; Sos TA, *Radiology* 1986; 160: 737
- entrapment of renal calculi by Malecot nephrostomy tubes, Preminger GM; Miller RH III; Curry T, *Br J Radiol* 1988; 61: 81
- exchange of occluded catheters with transcatheter and pericatheter maneuvers, Lee AS; vanSonnenberg E; Wittich GR; Casola G, *Radiology* 1987; 163: 273
- extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center, Cochran ST; Barbaric ZL; Mindell HJ; Chaussy CD; Fuchs GJ; Lupu AN, *Radiology* 1987; 163: 655
- failure in placement of trocar-mounted catheters, Gray RR; St. Louis EL; Grosman H, *J Canad Assoc Radiol* 1986; 37: 102
- guided cyst puncture and aspiration, Sandler CM; Houston GK; Hall JT; et al, *Radiol Clin North Am* 1986; 24: 527
- indwelling ureteral stents: percutaneous management of complications, LeRoy AJ; Williams HJ Jr; Segura JW; Patterson DE; Benson RC Jr, *Radiology* 1986; 158: 219
- intercostal-space nephrostomy for percutaneous stone removal, Picus D; Weyman PJ; Clayman RV; et al, *AJR* 1986; 147: 393
- interventional radiology: reflections and expectations, the 1985 Eugene F. Pendergrass New Horizons Lecture, White RI Jr, *Radiology* 1987; 162: 593
- morphologic and functional changes in the kidney after percutaneous nephrostolithotomy, Schiff RG; Lee WJ; Esnghi M; et al, *AJR* 1986; 147: 283
- morphologic changes following nephrostomy track dilatation: experimental investigation in the pig, Ivancey K; Ekelund L; Jonsson N, *Acta Radiol* 1986; 27: 123
- multiple percutaneous access routes to multiple calculi, calculi in caliculi diverticula, and staghorn calculi, Lang EK; Glorioso LW III, *Radiology* 1986; 158: 211
- nephro-duodenal fistula: complication of percutaneous nephrolithotomy, (ab), Culkin DJ; Wheeler JS Jr; Canning JR, *Radiology* 1986; 158: 858
- nephrostomy tube communication with renal vein: demonstration by integrate contrast and radioisotopic pyelographic examination, Nawaz MK; Al-Suhaili AR; Johny KV; et al, *Clin Nucl Med* 1987; 12: 665
- new pediatric 5-F drainage system, Towbin RB; Ball WS Jr, *Radiology* 1987; 163: 827
- nondilated obstructive acute renal failure: diagnostic procedures and therapeutic management, Maillet PJ; Pelle-Francoz D; Laville M; Gay F; Pinet A, *Radiology* 1986; 160: 659
- nondilated obstructive uropathy, Goldfarb CR; Ongseng F; Chokshi V, *Radiology* 1987; 162: 879
- nondilated obstructive uropathy: percutaneous nephrostomy performed to reverse renal failure, Naidich JB; Rackson ME; Mossey RT; Stein HL, *Radiology* 1986; 160: 653
- nondilated obstructive uropathy: reply, Naidich JB; Rackson ME; Stein HL; Mossey RT, *Radiology* 1987; 162: 879
- pediatric percutaneous nephrostomy: experience with 50 patients, (ab), Stanley P; Diamant MJ, *Radiology* 1986; 161: 863
- percutaneous dissolution of uric acid calculi with THAM irrigation, Ebisuno S; Fukutani T; Yoshida M; et al, *Urol Radiol* 1987; 9: 146
- percutaneous drainage access: simplified coaxial technique, vanSonnenberg E; Wittich GR; Schiffman HR; Cabrera OA; Willson SA; Quinn SF; Casola G; Hayne LA; Polansky AD, *Radiology* 1986; 159: 266
- percutaneous endourologic approach for transitional cell carcinoma of the renal pelvis, Nolan RL; Nickel JC; Froud PJ, *Urol Radiol* 1988; 9: 217
- percutaneous intervention in the solitary kidney, Perlmutt LM; Braun SD; Newman GE; et al, *Cardiovasc Intervent Radiol* 1987; 10: 223
- percutaneous management of the urological complications of renal transplantation, Voegelé DR; Crummy AB; McDermott JC; Jensen SR; Montague TL, *Radiographics* 1986; 6: 1007
- percutaneous nephrolithotomy: analysis of 500 consecutive cases, Lee WJ; Smith AD; Cubelli V; et al, *Urol Radiol* 1986; 8: 61
- percutaneous nephrostolithotomy and lithotripsy: multi-institutional survey of complications, Lang EK, *Radiology* 1987; 162: 25
- percutaneous nephrostolithotomy vs open surgery for renal calculi: comparative study, (ab), Preminger GM; Clayman RV; Hardeman SW; et al, *Radiology* 1986; 158: 281
- percutaneous nephrostomy for endopyelotomy, Lee WJ; Badlani GH; Smith AD, *AJR* 1987; 148: 189
- percutaneous nephrostomy in conjunction with ESWL in treatment of nephrolithiasis, Cochran ST; Liu E; Barbaric ZL, *AJR* 1988; 151: 103
- percutaneous nephrostomy in paediatrics, Irving HC; Arthur RJ; Thomas DFM, *Clin Radiol* 1987; 38: 245
- percutaneous removal of renal and ureteral calculi: experience with 400 cases, (ab), Reddy PK; Hulbert JC; Lange PH; et al, *Radiology* 1986; 158: 859
- percutaneous removal of renal calculi, LeRoy AJ; Segura JW, *Radiol Clin North Am* 1986; 24: 615
- percutaneous removal of renal caliculi calculi: alternative approach, Glanz S; Laungani GB; Gordon DH; et al, *Urol Radiol* 1986; 8: 40
- percutaneous studies of the upper urinary tract in children, with special emphasis on infants, Riedy MJ; Lebowitz RL, *Radiology* 1986; 160: 231
- percutaneous techniques for the management of urological renal transplant complications, (ab), Strem SB; Novick AC; Steinmuller DR; et al, *Radiology* 1986; 160: 573
- renal and related retroperitoneal abscesses: percutaneous drainage, Sacks D; Banner MP; Meranze SG; Burke DR; Robinson M; McLean GK, *Radiology* 1988; 167: 447
- renal obstruction from persistent struvite stone matrix: complication of extracorporeal shock wave lithotripsy, LaBerge JM; Sheff CD, *Radiology* 1987; 163: 535
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- serious complications associated with percutaneous nephrolithotomy, (ab), Kalash SS; Young JD Jr, *Radiology* 1987; 164: 589
- split-away technique for percutaneous nephrostomy, Aspelin F; Nilsson P, *Acta Radiol* 1988; 29: 376
- staghorn calculi: endourologic management in 120 patients, Lee WJ; Snyder JA; Smith AD, *Radiology* 1987; 165: 85
- treatment of ureteropelvic strictures with percutaneous pyelotomy: experience in 62 patients, Lee WJ; Badlani GH; Karlin GS; et al, *AJR* 1988; 151: 515
- upper urinary tract calculi: extrusion into perinephric and periureteric tissues during percutaneous management, Verstandig AG; Banner MP; Van Arsdalen KN; Pollack HM, *Radiology* 1986; 158: 215
- Kidney, MR studies**
- acute renal allograft rejection: difficulty in diagnosis of histologically mild cases by MR imaging, Mitchell DG; Roza AM; Spritzer CE; et al, *JCAT* 1987; 11: 655
- acute renal rejection versus acute tubular necrosis in a canine model: MR evaluation, Rholl KS; Lee JKT; Ling D; Sicard GA; Griffith RC; Freeman M, *Radiology* 1986; 160: 113
- acute tubular necrosis: use of gadolinium-DTPA and fast MR imaging to evaluate renal function in the rabbit, Carvlin MJ; Arger PH; Kundel HL; et al, *JCAT* 1987; 11: 488
- application of image-guided surface coil P-31 MR spectroscopy to human liver, heart, and kidney, Matson GB; Twieg DB; Karczmar GS; Lawry TJ; Gober JR; Valenza M; Boska MD; Weiner MW, *Radiology* 1988; 169: 541
- comparison of magnetic resonance imaging and radionuclide imaging in the evaluation of renal transplant failure, Goldsmith MS; Tanasescu DE; Waxman AD; et al, *Clin Nucl Med* 1988; 13: 250
- complete and partial ureteral obstruction: evaluation of renal effects with P-31 MR spectroscopy and Tc-DMSA scintigraphy, Vigneron DB; Tzika AA; Hricak H; Price DC; Bretan P; Abouseif S; Müller S; James TL, *Radiology* 1988; 168: 645
- complex and simple renal cysts: comparative evaluation with MR imaging, Marotti M; Hricak H; Fritzsche P; Crooks LE; Hedgcock MW; Tanagho EA, *Radiology* 1987; 162: 679
- determination of renal molar concentrations of phosphorus-containing metabolites in vivo using ³¹P NMR, Shine NR; Xuan JA; Koretsky AP; et al, *Magn Res Med* 1987; 4: 244
- diagnostic value of renal cortex-to-medulla contrast on magnetic resonance images, Terrier F; Hricak H; Justich E; et al, *Eur J Radiol* 1986; 6: 121
- differential diagnosis of renal transplant rejection: is MR imaging the answer?, Halasz NA, *AJR* 1986; 147: 954
- dynamic digital subtraction imaging using fast low-angle shot MR movie sequences, Haase A; Matthaei D; Hanicke W; Frahm J, *Radiology* 1986; 160: 537
- edema and the lack of blood perfusion produce opposite effects on the magnetic resonance characteristics of acutely ischemic rat kidneys, Terrier F; Hricak H; Berry I; et al, *Invest Radiol* 1987; 22: 118

- fast-field-echo MR imaging with Gd-DTPA: physiologic evaluation of the kidney and liver, Pettigrew RI; Avuruch L; Dannels W; Coumans J; Bernardino ME, *Radiology* 1986; 160: 561
- kidney changes after extracorporeal shock wave lithotripsy: appearance on MR imaging, Baumgartner BR; Dickey KW; Ambrose SS; Walton KN; Nelson RC; Bernardino ME, *Radiology* 1987; 163: 531
- kidneys in infants and children: evaluation with MR, Dietrich RB; Kangaroo H, *Radiology* 1986; 159: 215
- magnetic resonance appearance of the kidneys in paroxysmal nocturnal hemoglobinuria, Lupetin AR, *Urol Radiol* 1986; 8: 101
- magnetic resonance imaging of experimental renal hemorrhage, Paajanen H; Schmiedl U; Aho HJ; et al, *Invest Radiol* 1987; 22: 792
- magnetic resonance imaging of renal transplants: initial experience, McCreath GT; McMillan N; Patterson J; et al, *Br J Radiol* 1988; 61: 113
- magnetic resonance imaging of renal transplants: its value in the differentiation of acute rejection and cyclosporin A nephrotoxicity, te Strake L; Schultze Kool LJ; Paul LC; et al, *Clin Radiol* 1988; 39: 220
- magnetic resonance imaging of the kidney, Papanicolaou N; Hahn PF; Edelman RR; et al, *Urol Radiol* 1986; 8: 139
- magnetic resonance imaging of the kidneys, Newhouse JH; Markisz JA; Kazam E, *Cardiovasc Intervent Radiol* 1986; 8: 351
- MRI in organ transplantation, Lund G; Letourneau JG; Day DL; et al, *Radiol Clin North Am* 1987; 25: 281
- MR imaging of milk of calcium renal cyst, Kinard RE; Orrison WW; Brogdon BG; et al, *JCAT* 1986; 10: 1057
- MR imaging of renal transplants, Baumgartner BR; Nelson RC; Ball TI; et al, *AJR* 1986; 147: 949
- MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, *Radiology* 1988; 166: 303
- MR imaging of xanthogranulomatous pyelonephritis, Mulopulos GP; Patel SK; Pessis D, *JCAT* 1986; 10: 154
- MR in renal disease: importance of cortical-medullary distinction, Marotti M; Hricak H; Terrier F; et al, *Magn Res Med* 1987; 5: 160
- MRI of hemorrhagic renal cysts in polycystic kidney disease, Hilpert PL; Friedman AC; Radecki PD; et al, *AJR* 1986; 146: 1167
- MRI of the kidneys, Leung AW-L, *Semin US CT MR* 1986; 7: 259
- MRI of the kidneys in paroxysmal nocturnal hemoglobinuria, Mulopulos GP; Turner DA; Schwartz MM; et al, *AJR* 1986; 146: 51
- non-obstructive kidney transplant dysfunction: magnetic resonance evaluation, Van Gansbeke D; Segebarth C; Toussaint C; et al, *Br J Radiol* 1988; 61: 473
- normal and hydronephrotic kidney: evaluation of renal function with contrast-enhanced MR imaging, Kikinis R; von Schulthess GK; Jager P; Durr R; Bino M; Kuoni W; Kubler O, *Radiology* 1987; 165: 837
- perinephric hemorrhage in autosomal dominant polycystic kidney disease: CT and MR findings, Levine E; Grantham JJ, *JCAT* 1987; 11: 108
- ³¹P nuclear magnetic resonance study of acute renal dysfunction in rat kidney transplants, Shapiro JI; Haug CE; Weil R III; et al, *Magn Res Med* 1987; 5: 346
- posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging, Hricak H; Terrier F; Marotti M; Engelstad BL; Filly RA; Vincenti F; Duca RM; Bretan PN Jr; Higgins CB; Feduska N, *Radiology* 1987; 162: 685
- proton MR study of different types of experimental acute renal failure in rats, Iaina A; Abrashkin S; Weininger J, *Magn Res Imag* 1986; 4: 241
- renal allograft rejection: evaluation by Doppler US and MR imaging, Steinberg HV; Nelson RC; Murphy FB; Chezmaz JL; Baumgartner BR; Delaney VB; Whelchel JD; Bernardino ME, *Radiology* 1987; 162: 337
- renal allografts: evaluation by MR imaging, Hricak H; Terrier F; Demas BE, *Radiology* 1986; 159: 435
- renal imaging studies at 1.5 and 9.4 T: effects of diuretics, Sarkar SK; Holland GA; Lenkinski RE; et al, *Magn Res Med* 1988; 7: 117
- renal transplant dysfunction: MR evaluation, Winsett MZ; Amparo EG; Fawcett HD; et al, *AJR* 1988; 150: 319
- role of MRI in diseases of the kidney, Choyke PL; Pollack HM, *Radiol Clin North Am* 1988; 26: 617
- sickle-cell nephropathy: MR imaging, Lande IM; Glazer GM; Sarnaik S; Aisen AM; Rucknagel D; Martel W, *Radiology* 1986; 158: 379
- single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T, Unger EC; Cohen MS; Gatenby RA; et al, *JCAT* 1988; 12: 575
- sodium imaging of human body organs and extremities in vivo, Granot J, *Radiology* 1988; 167: 547
- xanthogranulomatous pyelonephritis: comparison of extent using computed tomography and magnetic resonance imaging in one case, Feldberg MAM; Driessen LP; Witkamp TD; et al, *Urol Radiol* 1988; 10: 92
- ### Kidney, necrosis
- acute renal rejection versus acute tubular necrosis in a canine model: MR evaluation, Rholl KS; Lee JKT; Ling D; Sicard GA; Griffith RC; Freeman M, *Radiology* 1986; 160: 113
- acute tubular necrosis secondary to rhabdomyolysis with complete absence of renal perfusion, Pham DH; Ash JM; Gilday DL; et al, *Clin Nucl Med* 1987; 12: 445
- acute tubular necrosis: use of gadolinium-DTPA and fast MR imaging to evaluate renal function in the rabbit, Carlini MJ; Arger PH; Kundel HL; et al, *JCAT* 1987; 11: 488
- computed tomographic diagnosis of ureteral obstruction caused by a sloughed papilla, Andriole GL; Bahnsen RR, *Urol Radiol* 1987; 9: 45
- renal allografts: evaluation by MR imaging, Hricak H; Terrier F; Demas BE, *Radiology* 1986; 159: 435
- ### Kidney, neoplasms
- See Kidney neoplasms
- ### Kidney, nephroses
- physical characteristics of percutaneous nephroses, (ab), Khasidy LR; Ansong K; Smith AD, *Radiology* 1986; 158: 569
- ### Kidney, parenchymal pattern
- factors associated with renal parenchymal echogenicity in the newborn, Cramer BC; Jequier S; de Chadarevian JP, *J Ultrasound Med* 1986; 5: 633
- ### Kidney, percutaneous drainage
- See Kidney, interventional procedure
- ### Kidney, percutaneous nephrostomy
- See Kidney, interventional procedure
- ### Kidney, radiography
- abnormal nephrogram, Dyer RB; Munitz HA; Bechtold R; Choplin RH, *Radiographics* 1986; 6: 1039
- antegrade pyelography: therapeutic applications, Fritzsche P, *Radiol Clin North Am* 1986; 24: 573
- clinical indications for radiographic evaluation of blunt renal trauma, (ab), Case AS; Luxenberg M; Gleich P; et al, *Radiology* 1987; 162: 292
- diagnostic morphologic and urodynamic antegrade pyelography, Pfister RC; Papanicolaou N; Yoder IC, *Radiol Clin North Am* 1986; 24: 561
- digital radiography using laser stimulated luminescence for evaluation of urinary calcifications, Aspelin P; Pettersson H; Boijesen E, *Acta Radiol* 1988; 29: 277
- in-bath filming during extracorporeal shock wave lithotripsy, Eusek JF; Bush WH; Burnett LL; Gibbons RP, *Radiology* 1986; 158: 850
- ### Kidney, radionuclide studies
- absorbed radiation dose in adults from iodine-131 and iodine-123 orthoiodohippurate and technetium-99m DTPA renography, Carlsen O, *J Nucl Med* 1988; 29: 400
- advantage of indium-111 leukocytes over ultrasound in imaging an infected renal cyst, Fortner A; Taylor A Jr; Alazrak NP; et al, *J Nucl Med* 1986; 27: 1147
- alternating use of ¹²³I and ¹³¹I hippuran for routine postoperative monitoring of transplanted kidneys is impracticable, Thomsen HS; Hvid-Jacobsen K; Nielsen SL, *Acta Radiol* 1987; 28: 365
- animal evaluation of technetium-99m triamide mercaptide complexes as potential renal imaging agents, Eshima D; Taylor A Jr; Fritzberg AR; et al, *J Nucl Med* 1987; 28: 1180
- bilateral urinothorax identified by technetium-99m DTPA renal imaging, Ralston MD; Wilkinson RH Jr, *J Nucl Med* 1986; 27: 56
- calculation of relative glomerular filtration rate and correlation with delayed technetium-99m DMSA imaging, Taylor A Jr; Kipper M; Witzum K, *Clin Nucl Med* 1986; 11: 28
- captopril renography in two kidney and one kidney Goldblatt hypertension in dogs, Nally JV Jr; Clarke HS Jr; Gupta BK; et al, *J Nucl Med* 1987; 28: 1171
- combination of DMSA-scintigraphy and hippuran renography in unilateral obstructive nephropathy: improved prediction of recovery after intervention, Thomsen HS; Hvid-Jacobsen K; Meyhoff H-H; et al, *Acta Radiol* 1987; 28: 653
- comparison between four simple methods for measuring glomerular filtration rate using technetium-99m DTPA, Ginjaume M; Casey M; Barker F; et al, *Clin Nucl Med* 1986; 11: 647
- comparison of different radioactive agents for the detection of renovascular hypertension with captopril in a rat model, McAfee JG; Kopecky RT; Thomas FD; et al, *J Nucl Med* 1988; 29: 509
- comparison of iodine-131 OIH and technetium-99m MAG₃ renal imaging in volunteers, Taylor A Jr; Eshima D; Fritzberg AR; et al, *J Nucl Med* 1986; 27: 795
- comparison of magnetic resonance imaging and radionuclide imaging in the evaluation of renal transplant failure, Goldsmith MS; Tanasescu DE; Waxman AD; et al, *Clin Nucl Med* 1988; 13: 250
- complete and partial ureteral obstruction: evaluation of renal effects with P-31 MR spectroscopy and Tc-DMSA scintigraphy, Vigneron DB; Tzika AA; Hricak H; Price DC; Bretan P; Abouseif S; Müller S; James TL, *Radiology* 1988; 168: 645
- cortex perfusion index: sensitive detector of acute rejection crisis in transplanted kidneys, Anaise D; Oster ZH; Atkins HL; et al, *J Nucl Med* 1986; 27: 1697
- cyclosporin-A nephrotoxicity and acute cellular rejection in renal transplant recipients: correlation between radionuclide and histologic findings, Kim EE; Fjura GA; Lowry PA; Verani R; Sandler CM; Flechner SM; Kahan B, *Radiology* 1986; 159: 443
- delayed accumulation (flip flop) of Tc-99m DTPA in a leiomyosarcoma, Slavov JD Jr; Mack JM; Spencer RP, *Clin Nucl Med* 1988; 13: 654
- delay in renal perfusion due to elongated vascular graft, Ginsberg F; Sziklas JJ; Spencer RP; et al, *Clin Nucl Med* 1987; 12: 233
- demonstration of renal varices using technetium-99m red blood cells in the investigation of recurrent macroscopic hematuria, Rendak I; Pison C; Drouin G, *Clin Nucl Med* 1987; 12: 861
- detection of diffuse glomerular lesions in rats: I. comparisons of conventional radioactive agents, McAfee JG; Thomas FD; Subramanian G; et al, *J Nucl Med* 1986; 27: 502
- detection of diffuse glomerular lesions in rats: II. comparison of indium-111 cationic small macromolecules with technetium-99m DTPA, McAfee JG; Thomas FD; Subramanian G; et al, *J Nucl Med* 1986; 27: 513
- detection of urinary extravasation by delayed technetium-99m DTPA renal imaging, Taki J; Tonami N; Aburano T; et al, *Clin Nucl Med* 1986; 11: 583
- differential diagnosis of prolonged cortical retention of radiotracer in technetium-99m DTPA renal scintigraphy, Blue PW; Manier SM; Chantelais AE; et al, *Clin Nucl Med* 1987; 12: 77

- differential glomerular filtration rate in diagnosis of renovascular hypertension and follow-up of balloon angioplasty, Lamki L; Spence JD; Macdonald AC; et al, Clin Nucl Med 1986; 11: 188
- early diagnosis of acute postoperative renal transplant rejection by indium-111-labeled platelet scintigraphy, Tisdale PL; Collier BD; Kauffman HM; et al, J Nucl Med 1986; 27: 1266
- ectopic supernumerary kidney: functional assessment using radionuclide imaging, Conrad GR; Loes DJ, Clin Nucl Med 1987; 12: 253
- emphysematous pyelonephritis as seen on technetium-99m DTPA renal imaging, Leekam RN; Shankar L; Bayley TA, Clin Nucl Med 1987; 12: 140
- estimating the plasma time-activity curve during radionuclide renography, Kuruc A; Treves ST; Rosen PR; et al, J Nucl Med 1987; 28: 1338
- evaluation of Tc-99m mercaptoacetyltriglycine in patients with impaired renal function, Taylor A Jr; Eshima D; Christian PE; Milton W, Radiology 1987; 162: 365
- evaluation of the renal clearance of technetium-99m PAHIDA in dogs, Summerville DA; Packard AB; Bartsynski B; et al, J Nucl Med 1987; 28: 907
- evaluation of the utility of indium-111 oxine platelet imaging in renal transplant patients on cyclosporine, Marcus CS; Koyle MA; Darcourt J; et al, Clin Nucl Med 1986; 11: 834
- extrarenal abnormalities in Tc-99m DTPA renal perfusion studies due to hypervascularized tumors, Bihl H; Sautter-Bihl ML; Riedasch G, Clin Nucl Med 1988; 13: 590
- failure to visualize acutely injured kidneys with technetium-99m DMSA does not preclude recoverable function, Taylor A Jr; Akiya F; Gregory MC, J Nucl Med 1986; 27: 377
- false-positive iodine-131 body scan caused by a large renal cyst, Brachman MB; Rothman BJ; Ramanna L; et al, Clin Nucl Med 1988; 13: 416
- flip-flop phenomenon in radiohippuran renal imaging: sign of obstructive nephropathy, Shih W-J; DeLand FH; Domstad PA, Clin Nucl Med 1986; 11: 707
- flip-flop phenomenon seen in ¹³¹I Hippuran renal scintigraphy, Shih W-J; Loh F; Domstad PA, Semin Nucl Med 1988; 18: 269
- floating kidney, Oster ZH, Clin Nucl Med 1988; 13: 541
- forced diuresis: cause of "absent" renal uptake of bone imaging agent, Karimeddini MK; Spencer RP, Clin Nucl Med 1987; 12: 407
- Friley's syndrome: case report and update on current diagnostic methods, Zuckier LS; Patel YD; Fine EJ; et al, Urol Radiol 1988; 10: 103
- gallbladder simulating renal fracture during technetium-99m glucoheptonate evaluation for renal trauma, Alexieva-Jackson B; Fetters DV; Cole RL; et al, Clin Nucl Med 1986; 11: 363
- grading of reflux by radionuclide cystography, Zhang G; Day DL; Loken M; et al, Clin Nucl Med 1987; 12: 106
- horseshoe kidney simulating acute gastrointestinal hemorrhage on technetium-99m labeled red blood cell imaging, Datz FL; Bilotta WR, Clin Nucl Med 1988; 13: 123
- importance of using anterior and posterior views in the calculation of differential renal function using ^{99m}Tc-DMSA, Wujanto R; Lawson RS; Prescott MC; et al, Br J Radiol 1987; 60: 869
- incidentally evaluating the status of renal function in technetium-99m DISIDA hepatobiliary imaging, Shih W-J; DeLand FH; Coupland JJ; et al, Clin Nucl Med 1986; 11: 860
- indium-111 leukocyte scanning: false-negative study in a renal abscess, Kumar R; Bedi DG; Fawcett HD; et al, Clin Nucl Med 1986; 11: 274
- infected cyst localization with gallium SPECT imaging in polycystic kidney disease, Amesur P; Castronuovo JJ; Chandramouly B, Clin Nucl Med 1988; 13: 35
- masked obstruction of the renal collecting system, Blue PW; Manier SM; Ghaed N, Clin Nucl Med 1987; 12: 497
- measurement of effective renal plasma flow: a comparison of methods, Fine EJ; Axelrod M; Gorkin J; et al, J Nucl Med 1987; 28: 1393
- measurement of glomerular filtration rate with technetium-99m DTPA: comparison of plasma clearance techniques, Waller DG; Keast CM; Fleming JS; et al, J Nucl Med 1987; 28: 372
- menstruation: hazard in radionuclide renal transplant evaluation, Orzel JA; Jaffers GJ, Clin Nucl Med 1986; 11: 409
- multiple-section radionuclide tomography of the kidney: clinical evaluation, Williams ED; Parker C; Rankin D; et al, Br J Radiol 1986; 59: 975
- "negative" renal outline in prune belly syndrome, Karimeddini MK; Spencer RP, Clin Nucl Med 1986; 11: 129
- nephrostomy tube communication with renal vein: demonstration by antegrade contrast and radioisotopic pyelographic examination, Nawaz MK; Al-Suhaili AR; Johnny KV; et al, Clin Nucl Med 1987; 12: 665
- nonvisualization of both kidneys with I-131 orthiodiodiphenylate scintigraphy, Kim CK; Fine EJ; Blaufox MD, Semin Nucl Med 1988; 18: 68
- nuclear medicine in pediatric urology and nephrology, Sfakianakis GN; Sfakianakis ED, J Nucl Med 1988; 29: 1287
- pathologic fractures in a patient with renal osteodystrophy: failure of early detection on bone scans, Campeau RJ; Bellah RD; Varma DGK, Clin Nucl Med 1987; 12: 510
- phantom kidney: a pitfall in radionuclide study of urinary tract, (ab), Merimsky E; Greenstein A; Baron J; et al, Radiology 1988; 166: 587
- posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging, Hricak H; Terrier F; Marotti M; Engelstad BL; Filly RA; Vincenti F; Duca RM; Bretan PN Jr; Higgins CB; Feduska N, Radiology 1987; 162: 685
- radionuclide evaluation of renal transplants, Dubovsky EV; Russell CD, Semin Nucl Med 1988; 18: 181
- radionuclide evaluation pre- and postextracorporeal shock wave lithotripsy for renal calculi, Bomanji J; Boddy SAM; Britton KE; et al, J Nucl Med 1987; 28: 1284
- rapid method for the measurement of differential renal function: validation, Chachati A; Meyers A; Godon JP; et al, J Nucl Med 1987; 28: 829
- removable hot spot, Oster ZH, Clin Nucl Med 1988; 13: 376
- renal allograft rejection: unusual scintigraphic findings, Desai AG; Park CH, Clin Nucl Med 1986; 11: 773
- renal amyloidosis: evaluation by gallium imaging, Lee VW; Skinner M; Cohen AS; et al, Clin Nucl Med 1986; 11: 642
- renal arteriovenous transit times of technetium-99m radiolabeled chelates, Conrad GR; Wesolowski CA; Berbaum KS; et al, J Nucl Med 1987; 28: 1134
- renal imaging on liver-spleen scans, Williamson SL; Seibert JJ; Tryka AF; et al, Clin Nucl Med 1987; 12: 831
- renal scans in pregnant transplant patients, Goldstein HA; Ziessman HA; Fahey FH; et al, J Nucl Med 1988; 29: 1364
- renal scintigraphic findings in a case of transplant renal vein thrombosis, Myerly KF; Kirchner PT, Clin Nucl Med 1988; 13: 426
- renal subcapsular rim sign: radionuclide pattern, Howman-Giles R; Gatt M; Roy P, Clin Nucl Med 1986; 11: 285
- renal tubular receptor imaging with iodine-131-labeled peanut lectin: pharmacokinetics and renal clearance mechanism in animals, Boniface GR; Suresh MR; Willams DJ; et al, J Nucl Med 1986; 27: 668
- renal uptake in liver scan, Tiu S; Klein B; Kramer EL; et al, Semin Nucl Med 1986; 16: 80
- renocutaneous inflammatory tract shown during technetium-99m DTPA imaging, Slavin JD Jr; Skarzynski JJ; Spencer RP, Clin Nucl Med 1986; 11: 55
- scintigraphic criteria for the diagnosis of renal arteriovenous fistulas, Rosen JM; Binkert BL; Seldin DW; et al, Clin Nucl Med 1986; 11: 847
- scintigraphic evaluation of parenchymal malakoplakia in a transplanted kidney, Melloul MM; Shmueli D; Mechlis-Frish S; et al, Clin Nucl Med 1988; 13: 525
- scintigraphy of kidneys located at different depths: the geometric mean method for determination of differential renal function: case report, Hartling OJ; Marving J; Munck O, Clin Nucl Med 1987; 12: 956
- serendipity in technetium-99m DTPA renal dynamic study, Padhy AK; Gopinath PG; Reddy KG; et al, Clin Nucl Med 1987; 12: 31
- significance of skeletal uptake detected on radionuclide renal perfusion studies, Zuckier LS; Weissmann HS; Kaplan L; et al, Clin Nucl Med 1987; 12: 448
- simplified method for the routine determination of effective renal plasma flow, Floyd JL; Jackson DE Jr; Thomas JM, Clin Nucl Med 1986; 11: 758
- simultaneous pancreatic-renal transplant scintigraphy, Shulkin BL; Dafeo DC; Wahl RL, AJR 1986; 147: 1193
- single-dose captopril scintigraphy in the diagnosis of renovascular hypertension, Sfakianakis GN; Bourgoignie JJ; Jaffe D; et al, J Nucl Med 1987; 28: 1383
- single-sample method for the estimation of glomerular filtration rate in children, Tauxe WN; Bagchi A; Tepe PG; et al, J Nucl Med 1987; 28: 366
- ^{99m}Tc-glucoheptonate for quantitation of differential renal function, Ziessman HA; Balseiro J; Fahey FH; et al, AJR 1987; 148: 889
- technetium-99m DISIDA imaging in autosomal-dominant polycystic kidney, Mishkin J; Makler PT Jr; Velchik MG; et al, Clin Nucl Med 1986; 11: 368
- technetium-99m DMSA imaging and the obstructed kidney, Piepsz A; Ham HR; Roland JH; et al, Clin Nucl Med 1986; 11: 389
- technetium-99m MAG₃ a comparison with iodine-123 and iodine-131 orthiodiodiphenylate, in patients with renal disorders, Jafri RA; Britton KE; Nimmon CC; et al, J Nucl Med 1988; 29: 147
- technetium-99m MAG₃ kit formulation: preliminary results in normal volunteers and patients with renal failure, Taylor A Jr; Eshima D; Christian PE; et al, J Nucl Med 1988; 29: 616
- technetium-99m pyrophosphate imaging in acute renal failure associated with nontraumatic rhabdomyolysis, Patel R; Mishkin FS, AJR 1986; 147: 815
- three-hour volume of distribution method: accurate simplified method of glomerular filtration rate measurement, Fawdry RM; Gruenewald SM, J Nucl Med 1987; 28: 510
- ureteral reflux of recipient's own kidneys: potential source of error in renal transplant evaluation, Serena A; Robles JE; Richter JA; et al, Clin Nucl Med 1986; 11: 59
- urinoam detected by dual isotope renogram-cystogram, Baker AL; Cowan RJ; Assimos DG, Clin Nucl Med 1987; 12: 258
- use of ^{99m}Tc radionuclides to show nephrotoxicity of cyclosporin A in transplanted kidneys, Thomsen HS; Munck O, Acta Radiol 1987; 28: 59
- validity of renal split function by single probe renography in hypertensive patients: a comparison with gamma camera scintigraphy, Thomsen HS; Hvid-Jacobsen K; Nielsen SL, Acta Radiol 1988; 29: 377
- value of obtaining renal images following brain scintigraphy with technetium-99m glucoheptonate, Moreno AJ; Rodriguez AA; Spicer MJ; et al, Clin Nucl Med 1986; 11: 560
- visual determination of differential renal function, Kipper MS; Witztum KF; Taylor A Jr, Clin Nucl Med 1986; 11: 313

Kidney, size

- computerized system for handling renal size measurements from urograms, Claesson I; Jacobsson B; Riha M, Pediatr Radiol 1987; 17: 459
- kidney dimensions in ultrasound compared to somatometric parameters in normal children, Dremsek PA; Kritscher H; Bohm G; et al, Pediatr Radiol 1987; 17: 285

- neonatal renomegaly, (ab), Johnson HW; Gleave M; Coleman GU; et al, *Radiology* 1988; 167: 296
- normal standards for kidney length in premature infants: determination with US work in progress, Schlesinger AE; Hedlund GL; Pierson WF; Null DM, *Radiology* 1987; 164: 127
- quantitation of the prominent medullary pyramid: reappraisal, Faling MR; Black WC, *Canad Assoc Radiol* 1986; 37: 90
- urographic renal size in acute pyelonephritis in childhood, Johansson B; Troell S; Berg U, *Acta Radiol* 1988; 29: 155
- Kidney, stenosis or obstruction**
- combination of DMSA-scintigraphy and hippuran renography in unilateral obstructive nephropathy: improved prediction of recovery after intervention. Thomsen HS; Hvid-Jacobsen K; Meyhoff H; et al, *Acta Radiol* 1987; 28: 653
- complete and partial ureteral obstruction: evaluation of renal effects with P-31 MR spectroscopy and Tc-DMSA scintigraphy, Vigneron DB; Tzika AA; Hricak H; Price DC; Bretan P; Aboseif S; Müller S; James TL, *Radiology* 1988; 168: 645
- ¹²⁵I-hippuran absorption from the human renal pelvis, (ab), Bratt C-G; Granerus G, *Radiology* 1987; 163: 291
- infundibulopelvic stenosis—evaluation of diagnostic imaging, Schneider K; Martin W; Helmig FJ; et al, *Eur J Radiol* 1988; 8: 172
- masked obstruction of the renal collecting system, Blue PW; Manier SM; Ghaed N, *Clin Nucl Med* 1987; 12: 497
- percutaneous pyeloplasty in children: experience in three patients, Towbin RB; Wackman J; Ball WS Jr, *Radiology* 1987; 163: 381
- renal dysplasia: sonographic findings, Sanders RC; Nussbaum AR; Solez K, *Radiology* 1988; 167: 623
- renal obstruction in patients with ileal loops: US evaluation, Cronan JJ; Amis ES Jr; Scola FH; Schepps B, *Radiology* 1986; 158: 647
- sonographic analysis of the fetus with ureteropelvic junction obstruction, Kleiner B; Callen PW; Filly RA, *AJR* 1987; 148: 359
- technetium-99m DMSA imaging and the obstructed kidney, Piepsz A; Ham HR; Roland JH; et al, *Clin Nucl Med* 1986; 11: 389
- transluminal dilatation of ureteropelvic junction strictures, ureteral strictures, and strictures at ureteroneocystostomy sites, Lang EK, *Radiol Clin North Am* 1986; 24: 601
- treatment of ureteropelvic strictures with percutaneous pyelotomy: experience in 62 patients, Lee WJ; Badlani GH; Karlin GS; et al, *AJR* 1988; 151: 515
- urinary obstruction in azotemic patients: detection by sonography, Stuck KJ; White GM; Granke DS; et al, *AJR* 1987; 149: 1191
- Kidney, stone extraction**
- combined treatment of branched calculi by percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy, (ab), Schulze H; Hertle L; Graff J; et al, *Radiology* 1986; 161: 860
- comparison of the costs and morbidity of percutaneous and open flank procedures, (ab), Brown MW; Carson CC III; Dunnick NR; et al, *Radiology* 1986; 161: 859
- computed tomography after percutaneous renal stone extraction, Ceterud K; Henriksson C; Pettersson S; et al, *Acta Radiol* 1987; 28: 55
- double puncture: effective percutaneous technique for removing complex, multiple renal calculi, Mercado S; Hunter DW; Castaneda-Zuniga WR; Amplatz K; Young AT; Cardella JF; Lange PH; Hulbert JC; Reddy PK, *Radiology* 1986; 158: 207
- extracorporeal shock wave lithotripsy and the radiologist, Pollack HM; Banner MP, *AJR* 1986; 147: 94
- factors affecting the success rate of percutaneous nephrolithotripsy and the incidence of retained fragments, (ab), Goldwasser B; Weinert JL; Carson CC; et al, *Radiology* 1987; 162: 291
- impact of extracorporeal shock wave lithotripsy on percutaneous stone procedures, Bush WH; Gibbons RP; Lewis GP; et al, *AJR* 1986; 147: 89
- kidney changes after extracorporeal shock wave lithotripsy: CT evaluation, Rubin JI; Arger PH; Pollack HM; Banner MP; Coleman BG; Mintz MC; VanArsdalen KN, *Radiology* 1987; 162: 21
- monitoring radiation exposure to medical personnel during percutaneous nephrolithotomy, (ab), Lowe FC; Auster M; Beck TJ; et al, *Radiology* 1987; 163: 295
- percutaneous nephrolithotomy: analysis of 500 consecutive cases, Lee WJ; Smith AD; Cubelli V; et al, *Urol Radiol* 1986; 8: 61
- percutaneous nephrostolithotomy and lithotripsy: multi-institutional survey of complications, Lang EK, *Radiology* 1987; 162: 25
- percutaneous nephrostolithotomy vs open surgery for renal calculi: comparative study, (ab), Preminger GM; Clayman RV; Hardeman SW; et al, *Radiology* 1986; 158: 281
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- staghorn calculi: percutaneous extraction versus anastrophic nephrolithotomy, (ab), Snyder JA; Smith AD, *Radiology* 1987; 162: 291
- use of occlusion balloon catheter in percutaneous renal stone extraction, (ab), Littleton RH; Cerny JC; Miles B, *Radiology* 1986; 161: 859
- Kidney, surgery**
- feasibility of surgical enucleation for renal cell carcinoma, (ab), Marshall FF; Taxy JB; Fishman EK; et al, *Radiology* 1986; 160: 284
- percutaneous renal ablation in patients with end-stage renal disease: alternative to surgical nephrectomy, Keller FS; Coyle M; Rosch J; Dotter CT, *Radiology* 1986; 159: 447
- percutaneous surgery for ureteropelvic junction obstruction (endopyelotomy): technique and early results, (ab), Badlani G; Eshghi M; Smith AD, *Radiology* 1986; 159: 821
- Kidney, transplantation**
- accurate diagnosis of renal transplant rejection by indium-111 platelet imaging despite postoperative cyclosporin therapy, Collier BD; Adams MB; Kauffman HM; et al, *Clin Nucl Med* 1988; 13: 606
- acute renal allograft rejection: difficulty in diagnosis of histologically mild cases by MR imaging, Mitchell DG; Roza AM; Spritzer CE; et al, *JCAT* 1987; 11: 655
- acute renal rejection versus acute tubular necrosis in a canine model: MR evaluation, Rholl KS; Lee JKT; Ling D; Sicard GA; Griffith RC; Freeman M, *Radiology* 1986; 160: 113
- alternating use of ¹²⁵I and ¹³¹I hippuran for routine postoperative monitoring of transplanted kidneys is impracticable, Thomsen HS; Hvid-Jacobsen K; Nielsen SL, *Acta Radiol* 1987; 28: 365
- angiographic assessment of potential renal transplant donors, Derauf B; Goldberg ME, *Radiol Clin North Am* 1987; 25: 261
- angiography in non-functioning renal allografts receiving cyclosporin A, Thomsen HS; Rygaard H; Nielsen SL; et al, *Acta Radiol* 1987; 28: 313
- arterial digital angiography in the evaluation of potential renal donors, Petty W; Spigos DG; Abejo R; et al, *Invest Radiol* 1986; 21: 122
- arteriography of renal transplantation, Gedroyc WMW; Reidy JF; Saxton HM, *Clin Radiol* 1987; 38: 239
- changes in transplanted kidney volume measured by ultrasound, Ahsy M; Metreweli C; Matthews C; et al, *Br J Radiol* 1987; 60: 525
- coccidioidomycosis in renal dialysis and transplant patients: radiologic findings in 30 patients, Yoshino MT; Hillman BJ; Gagliani JN, *AJR* 1987; 149: 989
- comparison of magnetic resonance imaging and radionuclide imaging in the evaluation of renal transplant failure, Goldsmith MS; Tanasescu DE; Waxman AD; et al, *Clin Nucl Med* 1988; 13: 250
- computed tomography of end-stage renal transplant rejection, Curry NS; Frangos DN; Tague DF, *CT* 1986; 10: 51
- cortex perfusion index: sensitive detector of acute rejection crisis in transplanted kidneys, Anaise D; Oster ZH; Atkins HL; et al, *J Nucl Med* 1986; 27: 1697
- cyclosporin-A nephrotoxicity and acute cellular rejection in renal transplant recipients: correlation between radionuclide and histologic findings, Kim EE; Pura GA; Lowry PA; Verani R; Sandler CM; Flechner SM; Kahan B, *Radiology* 1986; 159: 443
- cyclosporine therapy and refractory *Pneumocystis carinii* pneumonia: a potential association, (ab), Franson TR; Kauffman HM Jr; Adams MB; et al, *Radiology* 1988; 166: 591
- diagnosis of disease in renal allografts: correlation between ultrasound and histology, Griffin JF; Short CD; Lawler W; et al, *Clin Radiol* 1986; 37: 59
- differential diagnosis of renal transplant rejection: is MR imaging the answer?, Halasz NA, *AJR* 1986; 147: 954
- distinction between acute renal transplant rejection and cyclosporine nephrotoxicity: value of duplex sonography, Buckley AR; Cooperberg PL; Reeve CE; et al, *AJR* 1987; 149: 521
- does cerebral angiography of cadaveric kidney donors interfere with graft function?, Weibull H; Cederholm C; Almén T; et al, *Acta Radiol* 1987; 28: 451
- Doppler evaluation of the renal transplant, Needleman L; Kurtz AB, *JCU* 1987; 15: 661
- Doppler signal quantitation in renal allografts: comparison in normal and rejecting transplants, with pathologic correlation, Rigby CM; Burns PN; Weltin GG; Chen B; Bial M; Taylor KJW, *Radiology* 1987; 162: 39
- duplex ultrasound in the assessment of renal transplant complications, Murphy AM; Robertson RJ; Dobbins PA, *Clin Radiol* 1987; 38: 229
- early diagnosis of acute postoperative renal transplant rejection by indium-111-labeled platelet scintigraphy, Tisdale PL; Collier BD; Kauffman HM; et al, *J Nucl Med* 1986; 27: 1266
- evaluation of renal transplant rejection by duplex Doppler examination: value of the resistive index, Rifkin MD; Needleman L; Pado ME; et al, *AJR* 1987; 148: 759
- evaluation of the utility of indium-111 oxine platelet imaging in renal transplant patients on cyclosporine, Marcus CS; Koyle MA; Darcourt J; et al, *Clin Nucl Med* 1986; 11: 834
- further observations in the ultrasound evaluation of renal allograft rejection, Raiss GJ; Bree RL; Schwab RE; et al, *J Ultrasound Med* 1986; 5: 439
- gastrointestinal complications in renal transplant recipients, (ab), Komorowski RA; Cohen EB; Kauffman HM; et al, *Radiology* 1987; 162: 586
- imaging of renal transplants, Letourneau JG; Day DL; Ascher NL; et al, *AJR* 1988; 150: 833
- infectious arthritis in renal transplant patients, (ab), Bomalaski JS; Williamson PK; Goldstein CS, *Radiology* 1986; 161: 283
- intraarterial digital subtraction angiography of renal transplants, Roeren T; Hauenstein K; Dinkel E; et al, *Urol Radiol* 1986; 8: 77
- intravenous digital subtraction angiography in the evaluation of potential renal donors, (ab), Suseman SK; Weinert JL; Braun SD; et al, *Radiology* 1988; 166: 587
- investigation of Doppler waveforms in porcine renal allografts: Doppler-pathologic correlation, Piccirillo M; Taylor KJW; Flye MW; et al, *Ultrasound Med Biol* 1988; 14: 111
- kidney transplantation in the cyclosporine era, (ab), Halasz NA; Gamboa EA; Ward DM; et al, *Radiology* 1988; 166: 591

Kidney, transplantation

- limitations of indium-111 leukocyte scanning in febrile renal transplant patients, Sebrechts C; Biberstein M; Klein JL; et al, *AJR* 1986; 146: 823
- magnetic resonance imaging of renal transplants: initial experience, McCreath GT; McMillan N; Patterson J; et al, *Br J Radiol* 1988; 61: 113
- magnetic resonance imaging of renal transplants: its value in the differentiation of acute rejection and cyclosporin A nephrotoxicity, te Strake L; Schultze Kool LJ; Paul LC; et al, *Clin Radiol* 1988; 39: 220
- menstruation: hazard in radionuclide renal transplant evaluation, Orzel JA; Jaffers GJ, *Clin Nucl Med* 1986; 11: 409
- MRI in organ transplantation, Lund G; Letourneau JG; Day DL; et al, *Radiol Clin North Am* 1987; 25: 281
- MR imaging of renal transplants, Baumgartner BR; Nelson RC; Ball TJ; et al, *AJR* 1986; 147: 949
- new technique for renal allograft biopsy, Ubhi CS; Irving HC; Guillou PJ; et al, *Br J Radiol* 1987; 60: 599
- non-obstructive kidney transplant dysfunction: magnetic resonance evaluation, Van Gansbeke D; Segebarth C; Toussaint C; et al, *Br J Radiol* 1988; 61: 473
- parapelvic lymph cyst in a renal allograft mimicking hydronephrosis: CT diagnosis, Ehrman KO; Kopecky KK; Wass JL; et al, *JCAT* 1987; 11: 714
- percutaneous drainage of pelvic lymphatic fluid collections in the renal transplant patient, Cohan RH; Saeed M; Sussman SK; et al, *Invest Radiol* 1987; 22: 864
- percutaneous management of the urological complications of renal transplantation, Voegeli DR; Crummy AB; McDermott JC; Jensen SR; Montague TL, *Radiographics* 1986; 6: 1007
- percutaneous techniques for the management of urological renal transplant complications, (ab), Stroom SB; Novick AC; Steinmuller DR; et al, *Radiology* 1986; 160: 573
- percutaneous transluminal angioplasty of renal transplant artery stenosis, Clements R; Evans C; Salaman JR, *Clin Radiol* 1987; 38: 235
- percutaneous transluminal angioplasty of renal transplant arterial stenoses, Raynaud A; Bedrossian J; Remy P; et al, *AJR* 1986; 146: 853
- pneumatosis intestinalis related to cytomegalovirus infection—new etiology?, van der Jagt EJ; van Son WJ; van der Woude FJ; et al, *Eur J Radiol* 1987; 7: 28
- ³¹P nuclear magnetic resonance study of acute renal dysfunction in rat kidney transplants, Shapiro JJ; Haug CE; Weil R III; et al, *Magn Res Med* 1987; 5: 346
- polar infarct in a transplanted kidney: cause of a pseudomass, Sussman SK; Baker ME; Saeed M; et al, *Urol Radiol* 1987; 9: 42
- polycystic kidneys incidentally visualized during renal transplant imaging, Oates E; Vazquez R, *Clin Nucl Med* 1988; 13: 296
- postbiopsy arterial pseudoaneurysm in a renal allograft: detection by duplex sonography, Weissman J; Gyanani VL; Landreneau MD; et al, *J Ultrasound Med* 1988; 7: 515
- posttransplantation cyclosporine-induced lymphoproliferative disorders: clinical and radiologic manifestations, Harris KM; Schwartz ML; Slasky BS; Nalesnik M; Makowka L, *Radiology* 1987; 162: 697
- posttransplant lymphoma: sonographic characteristics of renal allograft involvement, Russ PD; Way DE; Pretorius DH; et al, *J Ultrasound Med* 1987; 6: 453
- posttransplant renal artery stenosis: angiographic study in 32 children, Stanley P; Malekzadeh M; Diamant MJ, *AJR* 1987; 148: 487
- posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging, Hricak H; Terrier F; Marotti M; Engelstad BL; Filly RA; Vincenti F; Duca RM; Bretan PN Jr; Higgins CB; Feduska N, *Radiology* 1987; 162: 685
- pseudoaneurysms complicating organ transplantation: roles of CT, duplex sonography, and angiography, Tobben PJ; Zajko AB; Sumkin JH; Bowen A; Fuhrman CR; Skolnick ML; Bron KM; Esquivel CO; Starzl TE, *Radiology* 1988; 169: 65
- pulmonary infections in renal transplantation patients treated with cyclosporine, Moore EH; Webb WR; Amend WJC, *Radiology* 1988; 167: 97
- quantitation of the prominent medullary pyramid: reappraisal, Paling MR; Black WC, *J Canad Assoc Radiol* 1986; 37: 90
- quantitative evaluation of postembolized splenic tissue using technetium-99m sulfur colloid, Ertzner TW; Sandler MP; Kulkarni MV; et al, *Clin Nucl Med* 1987; 12: 281
- radionuclide evaluation of renal transplants, Dubovsky EV; Russell CD, *Semin Nucl Med* 1988; 18: 181
- real-time ultrasound evaluation of renal transplant failure during the early postoperative period, Swobodnik WL; Spohn BE; Wechsler JG; et al, *Ultrasound Med Biol* 1986; 12: 97
- recurrent hemolytic uremic syndrome in a renal transplant recipient, Granato DB; Salimi Z; George EA; et al, *Clin Nucl Med* 1988; 13: 171
- renal allograft rejection: evaluation by Doppler US and MR imaging, Steinberg HV; Nelson RC; Murphy FB; Chezmur JL; Baumgartner BR; Delaney VB; Wheelchel JD; Bernardino ME, *Radiology* 1987; 162: 337
- renal allograft rejection: unusual scintigraphic findings, Desai AG; Park CH, *Clin Nucl Med* 1986; 11: 773
- renal allograft rejection: US evaluation, Hoddick WK; Filly RA; Backman U; Callen PW; Vincenti F; Hricak H; Mahony BS; Amend W, *Radiology* 1986; 161: 469
- renal allografts: evaluation by MR imaging, Hricak H; Terrier F; Demas BE, *Radiology* 1986; 159: 435
- renal allografts in acute rejection: evaluation using duplex sonography, Rigby CM; Taylor KJW; Weltin GG; Burns FN; Bia M; Princethal RA; Kashgarian M; Flye MW, *Radiology* 1986; 158: 375
- renal allografts: prospective analysis of Doppler sonography, Allen KS; Jorkasky DK; Arger PH; Velchik MG; Grumbach K; Coleman BG; Mintz MC; Betsch SE; Perloff LJ, *Radiology* 1988; 169: 371
- renal scans in pregnant transplant patients, Goldstein HA; Ziessman HA; Fahey FH; et al, *J Nucl Med* 1988; 29: 1364
- renal transplantation: clinical considerations, Hanto DW; Simmons RL, *Radiol Clin North Am* 1987; 25: 239
- renal transplant dysfunction: MR evaluation, Winsett MZ; Amparo EG; Fawcett HD; et al, *AJR* 1988; 150: 319
- role of ultrasound in the diagnosis of parenchymal disease in transplanted kidneys, Lovett J; Doust B; Orr N, *Australas Radiol* 1988; 32: 104
- scintigraphic evaluation of parenchymal malakoplakia in a transplanted kidney, Melloul MM; Shmueli D; Mechlis-Frish S; et al, *Clin Nucl Med* 1988; 13: 525
- selective low-dose streptokinase infusion in the treatment of acute transplant renal vein thrombosis, Robinson JM; Cockrell CH; Tisnado J; et al, *Cardiovasc Intervent Radiol* 1986; 9: 86
- simultaneous pancreatic-renal transplant scintigraphy, Shulkin BL; Dafae DC; Wahl RL, *AJR* 1986; 147: 1193
- sonographic evaluation of the rejecting ureter, Hricak H; Mark AS; Alpers CE; et al, *Urol Radiol* 1986; 8: 25
- sonography in the diagnosis of acute renal allograft rejection and cyclosporine nephrotoxicity, Linkowski GD; Warwariv V; Filly RA; et al, *AJR* 1987; 148: 291
- thickening of the renal collecting system: a nonspecific finding at US, Nicolet V; Carignan L; Dubuc G; Hébert G; Bourdon F; Paquin F, *Radiology* 1988; 168: 411
- transplanted kidney in children: comparative value of various echographic signs of acute rejection, (ab), Garel L; Bonnard V; Barral V; et al, *Radiology* 1986; 158: 283
- UGI series in renal transplant candidates, Lao A; Bach D, *J Canad Assoc Radiol* 1988; 39: 195
- ultrasonographic diagnosis of vesical leakage in a renal transplant recipient, Ravinovic R; Rivkind A; Lebensart PD; et al, *Urol Radiol* 1986; 8: 112
- ultrasound and computed tomographic evaluation of renal transplantation, Letourneau JG; Day DL; Feinberg SB, *Radiol Clin North Am* 1987; 25: 267
- ultrasound changes in the transplant kidney, Cochlin DL; Wake A; Salaman JR; et al, *Clin Radiol* 1988; 39: 373
- ultrasound evaluation of uncommon renal transplant complications, Stuck KJ; Jafri SZH; Adler DD; et al, *Urol Radiol* 1986; 8: 6
- unusual causes of increased vascular impedance in renal transplants: duplex Doppler evaluation, Warshaw DM; Taylor KJW; Bia MJ; Marks WH; Weltin GG; Rigby CM; True LD; Lorber MI, *Radiology* 1988; 169: 367
- unusual transplant renal angioplasty complication: case report, Weissman ID; Ney AL; Andrievic JH; et al, *Cardiovasc Intervent Radiol* 1988; 11: 97
- ureteral reflux of recipient's own kidneys: potential source of error in renal transplant evaluation, Serena A; Robles JE; Richter JA; et al, *Clin Nucl Med* 1986; 11: 59
- urinary obstruction in renal transplants: diagnosis by antegrade pyelography and results of percutaneous treatment, Smith TP; Hunter DW; Letourneau JG; et al, *AJR* 1988; 151: 507
- urine extravasation into the scrotum, Noel AW; Velchik MG, *J Nucl Med* 1986; 27: 807
- urine leaks after renal transplantation: value of percutaneous pyelography and drainage for diagnosis and treatment, Smith TP; Hunter DW; Letourneau JG; et al, *AJR* 1988; 151: 511
- urinoma detected by dual isotope renogram-cystogram, Baker AL; Cowan RJ; Assimos DG, *Clin Nucl Med* 1987; 12: 258
- urographic visualization of the native kidneys following renal transplantation: a demonstration of the intact nephron hypothesis, Liano F; Matesanz R; Teruel JL; et al, *Br J Radiol* 1988; 61: 255
- urologic complications following renal transplantation: role of interventional radiologic procedures, Bennett LN; Voegeli DR; Crummy AB; McDermott JC; Jensen SR; Sollinger HW, *Radiology* 1986; 160: 531
- use of ^{99m}Tc radionuclides to show nephrotoxicity of cyclosporin A in transplanted kidneys, Thomsen HS; Munck O, *Acta Radiol* 1987; 28: 59
- vascular complications in renal allografts: detection with duplex Doppler US, Taylor KJW; Morse SS; Rigby CM; Bia M; Schiff M, *Radiology* 1987; 162: 31
- visualization of the uterus on evaluation of transplanted kidneys, Feldman N; Makler PT Jr; Velchik MG, *Clin Nucl Med* 1986; 11: 62

Kidney, US studies

- acquired cystic disease of the kidneys: computed tomography and ultrasonography appraisal in patients on peritoneal and hemodialysis, Jabour BA; Ralls FW; Tang WW; et al, *Invest Radiol* 1987; 22: 728
- acute renal infarction: diagnosis by Doppler ultrasound, Martin KW; McAlister WH; Shackelford GD, *Pediatr Radiol* 1988; 18: 373
- changes in transplanted kidney volume measured by ultrasound, Absy M; Metreweli C; Matthews C; et al, *Br J Radiol* 1987; 60: 525
- compound renal pyramid: normal hypoechoic region on the pediatric sonogram, Jones BE; Hoffer FA; Teele RL; et al, *J Ultrasound Med* 1987; 6: 515
- congenital megacalyces: ultrasound appearance, Garcia CJ; Taylor KJW; Weiss RM, *J Ultrasound Med* 1987; 6: 163
- cortical echogenicity in the hemolytic uremic syndrome: clinical correlation, Choyke PL; Grant EG; Hoffer FA; et al, *J Ultrasound Med* 1988; 7: 439
- crossed fused renal ectopia: sonographic diagnosis, Goodman JD; Norton KJ; Carr L; et al, *Urol Radiol* 1986; 8: 13

- current radiological approach to renal cysts, Bosniak MA, *Radiology* 1986; 158: 1
- cystic renal mass evaluation: real-time versus static imaging, Weinreb JC, Arger PH, Coleman BG, et al, *JCU* 1986; 14: 29
- development of the hypodysplastic kidney: contribution of antenatal US diagnosis, Avni EF, Thous Y, Van Gansbeke D, Matos C, Didier F, Droulez P, Schulman CC, *Radiology* 1987; 164: 123
- diagnosis of disease in renal allografts: correlation between ultrasound and histology, Griffin JF, Short CD, Lawler W, et al, *Clin Radiol* 1986; 37: 59
- distinction between acute renal transplant rejection and cyclosporine nephrotoxicity: value of duplex sonography, Buckley AR, Cooperberg PL, Reeve CE, et al, *AJR* 1987; 149: 521
- Doppler evaluation of the renal transplant, Needleman L, Kurtz AB, *JCU* 1987; 15: 661
- Doppler signal quantitation in renal allografts: comparison in normal and rejecting transplants, with pathologic correlation, Rigby CM, Burns PN, Weltin GG, Chen B, Bia M, Taylor KJW, *Radiology* 1987; 162: 39
- duplex ultrasound in the assessment of renal transplant complications, Murphy AM, Robertson RJ, Dubbins PA, *Clin Radiol* 1987; 38: 229
- ectopic ureter and ureterocele: their varied sonographic manifestations, Nussbaum AR, Dorst JP, Jeffs RD, Gearhart JP, Sanders RC, *Radiology* 1986; 159: 227
- effects of maternal hydration on fetal renal pyelectasis, Allen KS, Arger PH, Mennuti M, Coleman BG, Mintz MC, Fishman M, *Radiology* 1987; 163: 807
- evaluation of azotemic patients: diagnostic value of initial US examination, Ritchie WW, Vick CW, Glocheski SK, Cook DE, *Radiology* 1988; 167: 245
- evaluation of renal transplant rejection by duplex Doppler examination: value of the resistive index, Rifkin MD, Needleman L, Pasto ME, et al, *AJR* 1987; 148: 759
- fat-filled postoperative renal cortical defects: sonographic and CT appearance, Papanicolaou N, Harbury OL, Pfister RC, *AJR* 1988; 151: 503
- follow-up studies of multicystic dysplastic kidneys, Vinocur L, Slovis TL, Perlmuter AD, Watts FB Jr, Chang C-H, *Radiology* 1988; 167: 311
- Fraley's syndrome: case report and update on current diagnostic methods, Zuckier LS, Patel YD, Fine EJ, et al, *Urol Radiol* 1988; 10: 103
- further observations in the ultrasound evaluation of renal allograft rejection, Raiss GJ, Bree RL, Schwab RE, et al, *J Ultrasound Med* 1986; 5: 439
- genitourinary radiology. RSNA '87 meeting notes, Dunnick NR, Bettmann MA, Foley WD, Lang E, McClellan BL, Newhouse JH, Rifkin MD, *Radiology* 1988; 166: 601
- hemorrhagic focal bacterial nephritis: findings on gray-scale sonography and CT, Rigby CM, Rosenfield AT, Glickman MG, et al, *AJR* 1986; 146: 1173
- inability to detect kidney disease on the basis of echogenicity, Platt JF, Rubin JM, Bowerman RA, et al, *AJR* 1988; 151: 317
- increased renal cortical echogenicity in pediatric renal disease: histopathologic correlations, Brenbridge AN, Chevalier RL, Kaiser DL, *JCU* 1986; 14: 595
- infantile glomerulonephritis mimicking polycystic kidney disease, Evans JB, Shapero LG, Roscelli JD, *J Ultrasound Med* 1988; 7: 29
- investigation of Doppler waveforms in porcine renal allografts: Doppler-pathologic correlation, Piccirillo M, Taylor KJW, Flye MW, et al, *Ultrasound Med Biol* 1988; 14: 111
- kidney dimensions in ultrasound compared to somatometric parameters in normal children, Dremsek PA, Kritscher H, Bohm G, et al, *Pediatr Radiol* 1987; 17: 285
- lupus nephritis: new sonographic findings, Longmaid HE III, Rider EA, Tymkiw J, *J Ultrasound Med* 1987; 6: 75
- multicystic dysplastic kidney in utero: changing appearance on US, Hashimoto BE, Filly RA, Callen PW, *Radiology* 1986; 159: 107
- multicystic dysplastic kidneys: spontaneous regression demonstrated with US, Pedicelli G, Jequier S, Bowen A, Boisvert J, *Radiology* 1986; 161: 23
- multiloculated renal mass: considerations and differential features, Hartman DS, Davis CJ Jr, Sanders RC, Johns TT, Smirniotopoulos J, Goldman SM, *Radiographics* 1987; 7: 29
- nondilated obstructive acute renal failure: diagnostic procedures and therapeutic management, Maillet PJ, Pelle-Francoz D, Laville M, Gay F, Pinet A, *Radiology* 1986; 160: 659
- normal renal papillae simulating caliceal filling defects on sonography, Dillard JP, Talner LB, Pinckney L, *AJR* 1987; 148: 895
- normal standards for kidney length in premature infants: determination with US, work in progress, Schlesinger AE, Hedlund GL, Pierson WP, Null DM, *Radiology* 1987; 164: 127
- nubbin sign on computed tomography and sonography, Blair D, Rigby C, Rosenfield AT, *Urol Radiol* 1987; 9: 149
- partial, combined cortical and medullary nephrocalcinosis: US and CT patterns in AIDS-associated MAI infection, Falkoff GE, Rigby CM, Rosenfield AT, *Radiology* 1987; 162: 343
- posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging, Hricak H, Terrier F, Marotti M, Engelstad BL, Filly RA, Vincenti F, Duca RM, Bretan PN Jr, Higgins CB, Feduska N, *Radiology* 1987; 162: 685
- radiological, ultrasound and computed tomographic findings in a case of renal malacoplakia, Puvanewary M, Teong CC, *Australas Radiol* 1987; 31: 192
- real-time ultrasound evaluation of renal transplant failure during the early postoperative period, Swobodnik WL, Spohn BE, Wechsler JG, et al, *Ultrasound Med Biol* 1986; 12: 97
- renal allograft rejection: evaluation by Doppler US and MR imaging, Steinberg HV, Nelson RC, Murphy BF, Chezman JL, Baumgartner BR, Delaney VB, Whelchel JD, Bernardino ME, *Radiology* 1987; 162: 337
- renal allograft rejection: US evaluation, Hoddick WK, Filly RA, Backman U, Callen PW, Vincenti F, Hricak H, Mahony BS, Amend W, *Radiology* 1986; 161: 469
- renal allografts: prospective analysis of Doppler sonography, Allen KS, Jorkasky DK, Arger PH, Velchik MG, Grumbach K, Coleman BG, Mintz MC, Betsch SE, Perloff LJ, *Radiology* 1988; 169: 371
- renal calculi: sensitivity for detection with US, Middleton WD, Dadds WJ, Lawson TL, Foley WD, *Radiology* 1988; 167: 239
- renal dysplasia: sonographic findings, Sanders RC, Nussbaum AR, Solez K, *Radiology* 1988; 167: 623
- renal obstruction in patients with ileal loops: US evaluation, Cronan JJ, Amis ES Jr, Scola FH, Schepps B, *Radiology* 1986; 158: 647
- renal parenchymal junctional line in children: ultrasonic frequency and appearances, Kenney IJ, Wild SR, Br J Radiol 1987; 60: 865
- renal parenchymal volume in children: normal values assessed by ultrasonography, Troell S, Berg U, Johansson B, et al, *Acta Radiol* 1988; 29: 127
- renal sinus histiocytosis, Bechtold RE, Wolfman NT, Karstaedt N, Geisinger K, *Radiology* 1987; 162: 689
- renal sonography in Bartter syndrome, Strauss S, Robinson G, Lotan D, et al, *J Ultrasound Med* 1987; 6: 265
- renal ultrasound evaluation of urinary tract infections in children, (ab), Johnson CE, DeBaz BP, Shurin PA, et al, *Radiology* 1987; 164: 888
- renal ultrasound in metabolic bone disease, Jequier S, Cramer B, Goodyer P, et al, *Pediatr Radiol* 1986; 16: 135
- right upper quadrant renal milk of calcium mimicking limy bile, Dyer R, Montgomery J, Thiele A, et al, *JCU* 1987; 15: 140
- role of radiology in extracorporeal shock wave therapy, Kellum CD, Tegtmeyer CJ, Jenkins AD, Barr JD, Gillenwater JY, Wyker AW, Lippert MC, *Radiology* 1987; 163: 431
- role of ultrasound in the diagnosis of parenchymal disease in transplanted kidneys, Lovett J, Doust B, Orr N, *Australas Radiol* 1988; 32: 104
- small hyperechoic nodules of the renal parenchyma, (ab), Zappasodi F, Sanna G, Fiorentini G, et al, *Radiology* 1986; 159: 571
- sonographically detectable cysts in polycystic kidney disease in newborn and young infants, Worthington JL, Shackelford GD, Cole BR, et al, *Pediatr Radiol* 1988; 18: 287
- sonographic demonstration of thickened renal pelvic mucosa/submucosa in mixed candida infection, Bick RJ, Bryan PJ, *JCU* 1987; 15: 333
- sonographic evaluation of renal masses, Baltarowich OH, Kurtz AB, *Urol Radiol* 1987; 9: 79
- sonographic evaluation of renal stones treated by extracorporeal shock-wave lithotripsy, Baumgartner BR, Steinberg HV, Ambrose SS, et al, *AJR* 1987; 149: 131
- sonographic evaluation of the kidney following extracorporeal shock wave lithotripsy, Kaude JV, Williams JK, Wright PG, et al, *J Ultrasound Med* 1987; 6: 299
- sonographic evaluation of the rejecting ureter, Hricak H, Mark AS, Alpers CE, et al, *Urol Radiol* 1986; 8: 25
- sonographic renal parameters as related to age, Vade A, Lau P, Smick J, et al, *Pediatr Radiol* 1987; 17: 212
- sonography in the diagnosis of acute renal allograft rejection and cyclosporine nephrotoxicity, Linkowski GD, Warwariv V, Filly RA, et al, *AJR* 1987; 148: 291
- sonography of hemorrhagic cysts with computed tomographic correlation, Gooding GAW, *J Ultrasound Med* 1986; 5: 699
- sonography of renal inflammatory disease, Piccirillo M, Rigby CM, Rosenfield AT, *Urol Radiol* 1987; 9: 66
- sonography of the hypertrophied column of Bertin, Lafortune M, Constantine A, Breton G, et al, *AJR* 1986; 146: 53
- sonography of the kidneys in hemolytic uremic syndrome, Kenney PJ, Brinsko RE, Patel DV, et al, *Invest Radiol* 1986; 21: 547
- sonography of the Zellweger syndrome, Luisiri A, Sotelo-Avila C, Silberstein MJ, et al, *J Ultrasound Med* 1988; 7: 169
- sonography of wall thickening of the renal collecting system: nonspecific finding, Babcock DS, *J Ultrasound Med* 1987; 6: 29
- thickening of the renal collecting system: a nonspecific finding at US, Nicolet V, Carignan L, Dubuc G, Hébert G, Bourdon F, Paquin F, *Radiology* 1988; 168: 411
- ultrasonographic diagnosis of vesical leakage in a renal transplant recipient, Ravinovi R, Rivkind A, Lebensart PD, et al, *Urol Radiol* 1986; 8: 112
- ultrasonographic features of glomerulocystic disease in infancy: similarity to infantile polycystic kidney disease, Fitch SJ, Stapleton FB, *Pediatr Radiol* 1986; 16: 400
- ultrasonography and needle aspiration in diagnosis of xanthogranulomatous pyelonephritis, (ab), Sease WC, Elyaderani MK, Belis JA, *Radiology* 1987; 164: 883
- ultrasound and computed tomographic evaluation of renal transplantation, Letourneau JG, Day DL, Feinberg SB, *Radiol Clin North Am* 1987; 25: 267
- ultrasound changes in the transplant kidney, Cochlin DL, Wake A, Salaman JR, et al, *Clin Radiol* 1988; 39: 373
- ultrasound evaluation of uncommon renal transplant complications, Stuck KJ, Jafri SZH, Adler DD, et al, *Urol Radiol* 1986; 8: 6
- ultrasound of the normal kidney: sonographic, anatomic and histologic correlation, Marchal GJF, Verbeke EE, Oyen R, et al, *Ultrasound Med Biol* 1986; 12: 999

Kidney, US studies

- ultrasound used to detect a stone in the vesico-ureteric junction during pregnancy, Rubin G; Fitzsimons PJ, *Br J Radiol* 1986; 59: 1044
- unusual causes of increased vascular impedance in renal transplants: duplex Doppler evaluation, Warshaw DM; Taylor KJW; Bia MJ; Marks WH; Weltin GG; Rigby CM; True LD; Lorber MI, *Radiology* 1988; 169: 367
- urinary obstruction in azotemic patients: detection by sonography, Stuck KJ; White GM; Granke DS; et al, *AJR* 1987; 149: 1191
- urologic complications following renal transplantation: role of interventional radiologic procedures, Bennett LN; Voegeli DR; Crummy AB; McDermott JC; Jensen SR; Sollinger HW, *Radiology* 1986; 160: 531
- vascular complications in renal allografts: detection with duplex Doppler US, Taylor KJW; Morse SS; Rigby CM; Bia M; Schiff M, *Radiology* 1987; 162: 31
- Kidney, varices**
- demonstration of renal varices using technetium-99m red blood cells in the investigation of recurrent macroscopic hematuria, Rendak I; Pison C; Drouin G, *Clin Nucl Med* 1987; 12: 861
- Kidney, volume**
- See also Kidney, size
- renal parenchymal volume in children: normal values assessed by ultrasonography, Troell S; Berg U; Johansson B; et al, *Acta Radiol* 1988; 29: 127
- Kidney neoplasms**
- asymptomatic abdominal mass in a child, Richards DG; Stafford AJ; DeMaria JE, *Br J Radiol* 1987; 60: 775
- bone scan detection of renal vein thrombosis secondary to hypernephroma, Swayne LC, *Clin Nucl Med* 1986; 11: 133
- carcinoid of the kidney: radiologic findings, McKeown DK; Nguyen G-K; Rudrick B; et al, *AJR* 1988; 150: 143
- chronic renal failure: significant risk factor in the development of acquired renal cysts and renal cell carcinoma: case reports and review of the literature, (ab), Bretan PN Jr; Busch MP; Hricak H; et al, *Radiology* 1986; 161: 574
- clear cell sarcoma of the kidney: renal tumor of childhood that metastasizes to bone, Kagan AR; Steckel RJ, *AJR* 1986; 146: 64
- coexistent xanthogranulomatous pyelonephritis and renal cell carcinoma, Radin DK; Chandrasoma P, *CT* 1987; 11: 294
- computed tomography of renal masses: pitfalls and anatomic variants, Zeman RK; Cronan JJ; Rosenfield AT; Choyke PL; Paushter DM; Clark LR; Jaffe MH; Schiebler ML, *Radiographics* 1986; 6: 351
- contraindications to needle aspiration of a solid renal mass: tumor dissemination by renal needle aspiration, (ab), Wehle MJ; Grabstald H, *Radiology* 1987; 162: 587
- cortical bone metastases, Coerkamp EG; Kroon HM, *Radiology* 1988; 169: 525
- cystic renal cell carcinoma, (ab), Hartman DS; Davis CJ Jr; Johns TT; et al, *Radiology* 1987; 162: 587
- displaced calcium as a sign of transitional cell carcinoma in analgesic nephropathy, Marrocco FS; Leekam RN; Matzinger MA; et al, *J Canad Assoc Radiol* 1986; 37: 122
- fatty Wilms' tumor simulating teratoma; occurrence in a child with horseshoe kidney, Fernbach SK; Donaldson JS; Gonzalez-Crussi F; et al, *Pediatr Radiol* 1988; 18: 424
- flank mass and hypertension, Pollack H; Kenney PJ; McAfee JC; et al, *AJR* 1986; 146: 67
- growing caliceal diverticular defect, Conrad M; Newton J; Harkins J, *Urol Radiol* 1987; 9: 194
- hypercalcemia in association with mesoblastic nephroma: report of a case and review of the literature, Ferraro EM; Klein SA; Fakhrj J; et al, *Pediatr Radiol* 1986; 16: 516
- interventional radiology in renal neoplasms, Wallace S; Charnsangavej C; Carrasco CH; et al, *Semin Roentgenol* 1987; 22: 303
- juvenile xanthogranuloma of the kidney, Gilbert TJ; Parker BR, *Pediatr Radiol* 1988; 18: 169
- lipomatous tumors of the liver: evaluation with CT and US, Roberts JL; Fishman EK; Hartman DS; Sanders RC; Goodman ZD; Siegelman SS, *Radiology* 1986; 158: 613
- long-term follow-up of the upper urinary tract for transitional cell carcinoma: how much is enough?, Pollack HM, *Radiology* 1988; 167: 871
- low-grade renal cell carcinoma: a clinicopathologic study of 53 cases, (ab), Medeiros LJ; Gelb AB; Weiss LM, *Radiology* 1988; 166: 587
- multilocular cystic nephroma: report of three cases, Garrett A; Carty H; Pilling D, *Clin Radiol* 1987; 38: 55
- multiloculated renal mass: considerations and differential features, Hartman DS; Davis CJ Jr; Sanders RC; Johns TT; Smirniotopoulos J; Goldman SM, *Radiographics* 1987; 7: 29
- neoplasms of the renal collecting system, Goldman SM; Bohlman ME; Gatewood OMB, *Semin Roentgenol* 1987; 22: 284
- nephroblastomatosis: missed diagnosis, Cormier PJ; Donaldson JS; Gonzalez-Crussi F, *Radiology* 1988; 169: 737
- other malignant neoplasms of the renal parenchyma, Pollack HM; Banner MP; Amendola MA, *Semin Roentgenol* 1987; 22: 260
- pathology of renal neoplasms, Davis CJ Jr, *Semin Roentgenol* 1987; 22: 233
- pediatric renal masses, Donaldson JS; Shkolnik A, *Semin Roentgenol* 1988; 23: 194
- percutaneous endourologic approach for transitional cell carcinoma of the renal pelvis, Nolan RL; Nickel JC; Froud PJ, *Urol Radiol* 1988; 9: 217
- phase II trial of misondazole (MISO) and cyclophosphamide (CYC) in metastatic renal cell carcinoma, Glover D; Trump D; Kvoils L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1405
- preoperative devascularization of advanced renal adenocarcinoma using a sclerosing agent, (ab), Konchani RP; Cho KJ; Grossman HB, *Radiology* 1987; 164: 883
- radiology of sarcomas and sarcomatoid carcinomas of the kidney, Mucci B; Lewi HJE; Fleming S, *Clin Radiol* 1987; 38: 249
- recurrent pheochromocytoma: intrarenal and pulmonary spread, Puech JL; Song MY; Rousseau H; et al, *Urol Radiol* 1986; 8: 49
- renal and scapular masses in a 57-year-old woman, van der Vliet AH; Ling D, *Urol Radiol* 1986; 8: 56
- renal carcinoma after retrograde pyelography with Thorotrast, Kauzlaric D; Barneir E; Lusciati P; et al, *AJR* 1987; 148: 897
- renal carcinoma: clinical aspects and therapy, Bracken RB, *Semin Roentgenol* 1987; 22: 241
- renal cell carcinoma complicating long-term dialysis: computed tomography-guided aspiration cytology, Nunez D Jr; Yrizarry JM; Nadj M; et al, *CT* 1986; 10: 61
- renal lymphoma, Heiken JP; McClennan BL; Gold RP, *Semin US CT MR* 1986; 7: 58
- renal lymphoma: unusual example, Deuskar V; Martin LFW; Leung W, *J Canad Assoc Radiol* 1987; 38: 133
- renal malignancies: outcome of patients in stage 4 with or without embolization procedure, (ab), Bakke A; Goethlin J; Hoisaeter PA, *Radiology* 1986; 159: 571
- renal mass with neovascularity, Cornelius RS, *Semin Roentgenol* 1987; 22: 229
- renal neoplasms in infants and children, Kirks DR; Kaufman RA; Babcock DS, *Semin Roentgenol* 1987; 22: 292
- renal oncocytoma: benign tumour on the increase, (ab), White MA; Taylor JS; Murugasu R, *Radiology* 1986; 159: 371
- renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features, Shirkhoda A; Lewis E, *Radiology* 1987; 162: 353
- renal sinus malignant lymphoma: a case report, Honda H; Lu CC; Franken EA Jr; et al, *CT* 1988; 12: 190
- renal thorium deposition associated with transitional cell carcinoma: radiologic demonstration in two patients, Oyen RH; Gielen JL; Van Poppel HP; Verbeek EK; Van Damme BJ; Baert LV; Baert AL, *Radiology* 1988; 169: 705
- small renal cell carcinomas: resolving a diagnostic dilemma, Amendola MA; Bree RL; Pollack HM; Francis IR; Glazer GM; Jafri SZH; Tomaszewski JE, *Radiology* 1988; 166: 637
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 158: 113
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Levine E, *Radiology* 1986; 159: 817
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course: reply, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 159: 817
- spontaneous gas formation in a sterile renal cell carcinoma, Wolf S; Markowitz SK, *Urol Radiol* 1988; 9: 222
- synchronous and metachronous transitional cell carcinoma of the urinary tract: prevalence, incidence, and radiographic detection, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, *Radiology* 1988; 167: 613
- unusual appearance of renal lymphoma, Cadman PJ; Lindsell DRM; Golding SJ, *Clin Radiol* 1988; 39: 452
- ureteral and renal pelvic metastases from renal cell carcinoma, Mitty HA; Droller MJ; Dikman SH, *Urol Radiol* 1987; 9: 16
- ureteral pseudodiverticulosis associated with carcinoma of renal pelvis, Kenney PJ; Wasserman NF, *Urol Radiol* 1987; 9: 161
- venous invasion in renal cell carcinoma: a correlative clinical and radiologic study, Hietala S-O; Ekelund L; Ljungberg B, *Urol Radiol* 1988; 9: 210
- Wilms tumor in children: abdominal CT and US evaluation, Reiman TAH; Sieg M; Shackelford GD, *Radiology* 1986; 160: 501
- Wilms tumor occurring as a botryoid renal pelvicalyceal mass, Johnson KM; Horvath LJ; Gaisie G; Mesrobian HG; Koepke JF; Askin FB, *Radiology* 1987; 163: 385
- Kidney neoplasms, angiography**
- renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features, Shirkhoda A; Lewis E, *Radiology* 1987; 162: 353
- small renal cell carcinomas: resolving a diagnostic dilemma, Amendola MA; Bree RL; Pollack HM; Francis IR; Glazer GM; Jafri SZH; Tomaszewski JE, *Radiology* 1988; 166: 637
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 158: 113
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Levine E, *Radiology* 1986; 159: 817
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course: reply, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 159: 817
- Kidney neoplasms, calcification**
- calcified renal masses, (ab), Patterson J; Lohr D; Briscoe C; et al, *Radiology* 1987; 165: 589
- calcified transitional cell carcinoma of the renal pelvis, Dinsmore BJ; Pollack HM; Banner MP, *Radiology* 1988; 167: 401
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 158: 113
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Levine E, *Radiology* 1986; 159: 817
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course: reply, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 159: 817
- Kidney neoplasms, CT**
- angiomylipoma and renal cell carcinoma occurring in same kidney: CT evaluation, Ueda J; Kobayashi Y; Itoh H; et al, *JCAT* 1987; 11: 340
- computed tomography in urothelial tumors of renal pelvis and related filling defects, Cholanteril JV; Freundlich R; Ketyer S; et al, *CT* 1986; 10: 263
- computed tomography of perirenal metastases, Shirkhoda A, *JCAT* 1986; 10: 435

- computed tomography of renal angiomyolipoma presenting as right atrial mass, Rothenberg DM; Brandt TD; D'Cruz I, JCAT 1986; 10: 1054
- computed tomography of renal masses: pitfalls and anatomic variants, Zeman RK; Cronan JJ; Rosenfield AT; Choyke PL; Paushter DM; Clark LR; Jaffe MH; Schiebler ML, Radiographics 1986; 6: 351
- CT appearance of giant renal angiomyolipoma, Castillo M; Casillas J, Comput Radiol 1987; 11: 49
- CT characteristics of a hyperdense renal mass due to Richter syndrome, Olson M; Posniak H, JCAT 1988; 12: 669
- CT of renal cell carcinoma in patients on chronic hemodialysis, Siegel SC; Sandier MA; Alpern MB; et al, AJR 1988; 150: 583
- cystic renal melanoma: CT/ultrasound correlation, Tipton A; Goldman SM; Fishman EK; et al, Urol Radiol 1987; 9: 39
- detection of renal masses: sensitivities and specificities of excretory urography/linear tomography, US, and CT, Warshawer DM; McCarthy SM; Street L; Bookbinder MJ; Clickman MG; Richter J; Hammers L; Taylor C; Rosenfield AT, Radiology 1988; 169: 363
- diagnosis and staging of renal cell carcinoma: a comparison of MR imaging and CT, Fein AB; Lee JKT; Balfe DM; et al, AJR 1987; 148: 749
- infiltrative renal lesions: CT-sonographic-pathologic correlation, Hartman DS; Davidson AJ; Davis CJ Jr; et al, AJR 1988; 150: 1061
- multiloculated renal mass: considerations and differential features, Hartman DS; Davis CJ Jr; Sanders RC; Johns TT; Smirniotopoulos J; Goldman SM, Radiographics 1987; 7: 29
- nephroblastomatosis: comparison of CT with US and urography, Fernbach SK; Feinstein KA; Donaldson JS; Baum ES, Radiology 1988; 166: 153
- nephroblastomatosis: missed diagnosis, Cormier PJ; Donaldson JS; Gonzalez-Crussi F, Radiology 1988; 169: 737
- renal adenocarcinoma: CT staging of 100 tumors, Johnson CD; Dunnick NR; Cohan RH; et al, AJR 1987; 148: 59
- renal cell carcinoma: dynamic thin-section CT assessment of vascular invasion and tumor vascularity, Zeman RK; Cronan JJ; Rosenfield AT; Lynch JH; Jaffe MH; Clark LR, Radiology 1988; 167: 393
- renal metastases: clinicopathologic and radiologic correlation, Choyke PL; White EM; Zeman RK; Jaffe MH; Clark LR, Radiology 1987; 162: 359
- renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features, Shirkhoda A; Lewis E, Radiology 1987; 162: 353
- renal thorium deposition associated with transitional cell carcinoma: radiologic demonstration in two patients, Oyen RH; Gielen JL; Van Poppel HP; Verbeke EK; Van Damme BJ; Baert LV; Baert AL, Radiology 1988; 169: 705
- role of computed tomography in staging of renal cell carcinoma, Doda SS; Mathur RK; Buxi TS, Comput Radiol 1986; 4: 183
- small renal cell carcinomas: resolving a diagnostic dilemma, Amendola MA; Bree RL; Pollack HM; Francis IR; Glazer GM; Jafri SZH; Tomaszewski JE, Radiology 1988; 166: 637
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Curry NS; Schabel SI; Betsill WL Jr, Radiology 1986; 158: 113
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Levine E, Radiology 1986; 159: 817
- small renal neoplasms: diagnostic imaging, pathologic features, and clinical course: reply, Curry NS; Schabel SI; Betsill WL Jr, Radiology 1986; 159: 817
- sonography of small renal masses with indeterminate density characteristics on computed tomography, Foster WL Jr; Roberts L Jr; Halvorsen RA Jr; et al, Urol Radiol 1988; 10: 59
- staging of the abdominal extent of renal carcinoma by computed tomography, McKinstry CS; McIlraith EM, Eur J Radiol 1987; 7: 165
- ultrasonographic and computed tomographic features of renal sinus lymphoma, Ruchman RB; Yeh H-C; Mitty HA; et al, JCU 1988; 16: 35
- use of computed tomography in the diagnosis of carcinoma of the renal pelvis causing ureteropelvic junction obstruction, Schwartz JM; Bosniak MA; Hulnick DH; et al, Urol Radiol 1988; 9: 204
- Wilms tumor in children: abdominal CT and US evaluation, Reiman TAH; Siegel MJ; Shackelford GD, Radiology 1986; 160: 501
- Wilms tumor occurring as a botryoid renal pelvicalyceal mass, Johnson KM; Horvath LJ; Gaisie G; Mesrobian HG; Koepke JF; Askin FB, Radiology 1987; 163: 385
- Wilms' tumour: ultrasound and changing concepts, Cremin BJ, Clin Radiol 1987; 38: 465
- Kidney neoplasms, diagnosis**
- aggressive neuroblastoma simulating Wilms tumor, Rosenfield NS; Leonidas JC; Barwick KW, Radiology 1988; 166: 165
- aggressive neuroblastoma simulating Wilms tumor, Oliphant M; Berne AS, Radiology 1988; 167: 878
- algorithmic approach to the diagnosis and staging of renal neoplasms, Lang EK, Radiol Clin North Am 1986; 24: 683
- calcified transitional cell carcinoma of the renal pelvis, Dinsmore BJ; Pollack HM; Banner MP, Radiology 1988; 167: 401
- current radiologic approach to renal cysts, Bosniak MA, Radiology 1986; 158: 1
- detection and staging of renal neoplasms: a reassessment of MR imaging, Hricak H; Thoeni RF; Carroll PR; Demas BE; Marotti M; Tanagho EA, Radiology 1988; 166: 643
- detection of renal masses: sensitivities and specificities of excretory urography/linear tomography, US, and CT, Warshawer DM; McCarthy SM; Street L; Bookbinder MJ; Clickman MG; Richter J; Hammers L; Taylor C; Rosenfield AT, Radiology 1988; 169: 363
- diagnosis and staging of renal cell carcinoma: a comparison of MR imaging and CT, Fein AB; Lee JKT; Balfe DM; et al, AJR 1987; 148: 749
- diagnosis of neoplasia in patients with asymptomatic microscopic hematuria: a decision analysis, (ab), Corwin HL; Silverstein MD, Radiology 1988; 169: 882
- in vivo and in vitro MR imaging of renal tumors: histopathologic correlation and pulse sequence optimization, Quint LE; Glazer GM; Chenevert TL; Fechner KP; Gikas PW; Shireman PK; Grossman HB; Li KC, Radiology 1988; 169: 359
- multilocular renal lesions—a diagnostic challenge, Alanen A; Nurmi M; Ekfors T, Clin Radiol 1987; 38: 475
- nephroblastomatosis: comparison of CT with US and urography, Fernbach SK; Feinstein KA; Donaldson JS; Baum ES, Radiology 1988; 166: 153
- prostatic carcinoma metastasis to the kidney: diagnosis by thin needle aspiration biopsy, Kutcher R; Greenbaum E; Rosenblatt R; et al, Urol Radiol 1986; 8: 98
- renal cell carcinoma: radiological diagnosis and staging, Levine E, Semin Roentgenol 1987; 22: 248
- small renal cell carcinomas: resolving a diagnostic dilemma, Amendola MA; Bree RL; Pollack HM; Francis IR; Glazer GM; Jafri SZH; Tomaszewski JE, Radiology 1988; 166: 637
- Wilms tumor occurring as a botryoid renal pelvicalyceal mass, Johnson KM; Horvath LJ; Gaisie G; Mesrobian HG; Koepke JF; Askin FB, Radiology 1987; 163: 385
- Wilms' tumour: ultrasound and changing concepts, Cremin BJ, Clin Radiol 1987; 38: 465
- Kidney neoplasms, hemorrhage**
- suprarenal haematoma versus neuroblastoma complicated by haemorrhage: diagnostic dilemma in the newborn, Eklof O; Mortenson W; Sandstedt B, Acta Radiol 1986; 27: 3
- Kidney neoplasms, metastases**
- computed tomography of perirenal metastases, Shirkhoda A, JCAT 1986; 10: 435
- mediastinal adenopathy and endobronchial involvement in metastatic renal cell carcinoma, Merline DS; Fishman EK, CT 1988; 12: 216
- unusual solitary soft tissue metastases from renal cell carcinoma, Lipman JC; Loughlin KR; Ritchie JP; et al, Urol Radiol 1988; 10: 110
- value of routine radionuclide bone scans in renal cell carcinoma, (ab), Blacher E; Johnson DE; Haynie TP, Radiology 1986; 159: 571
- Kidney neoplasms, MR studies**
- arteriovenous fistula associated with renal cell carcinoma: demonstration by magnetic resonance imaging, Selli C; Bartolozzi C; Lizzadro G; et al, Urol Radiol 1986; 8: 190
- complex and simple renal cysts: comparative evaluation with MR imaging, Marotti M; Hricak H; Fritzsche P; Crooks LE; Hedgcock MW; Tanagho EA, Radiology 1987; 162: 679
- detection and staging of renal neoplasms: a reassessment of MR imaging, Hricak H; Thoeni RF; Carroll PR; Demas BE; Marotti M; Tanagho EA, Radiology 1988; 166: 643
- diagnosis and staging of renal cell carcinoma: a comparison of MR imaging and CT, Fein AB; Lee JKT; Balfe DM; et al, AJR 1987; 148: 749
- gadolinium-DTPA enhancement of VX-2 carcinoma of the rabbit kidney on T1 weighted magnetic resonance images, Yancy JM; Ackerman N; Kauda JV; et al, Acta Radiol 1987; 28: 479
- Hippel-Lindau disease: MR imaging, Sato Y; Waziri M; Smith W; Frey EE; Yuh WTC; Hanson J; Franken EA Jr, Radiology 1988; 166: 241
- in vivo and in vitro MR imaging of renal tumors: histopathologic correlation and pulse sequence optimization, Quint LE; Glazer GM; Chenevert TL; Fechner KP; Gikas PW; Shireman PK; Grossman HB; Li KC, Radiology 1988; 169: 359
- magnetic resonance imaging in staging of renal cell carcinoma, Patel SK; Stack CM; Turner DA, Radiographics 1987; 7: 703
- magnetic resonance imaging of renal masses at 0.02 tesla, Ekelund L; Hietala S-O; Ljungberg B; et al, Acta Radiol 1988; 29: 61
- magnetic resonance imaging of renal oncocytoma, (ab), Remark RR; Berquist TH; Lieber MM; et al, Radiology 1988; 168: 885
- magnetic resonance imaging of Wilms tumor, (ab), Kangaroo L; Dietrich RB; Ehrlich RM; et al, Radiology 1987; 163: 291
- MR imaging in renal cell carcinoma, Choyke PL, Radiology 1988; 169: 572
- MR imaging of a renal oncocytoma, Sohn HK; Kim SY; Seo HS, JCAT 1987; 11: 1085
- MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, Radiology 1988; 166: 303
- MRI of an angiomyolipoma, Vas W; Wolverson MK; Johnson F; et al, Magn Res Imag 1986; 4: 485
- MRI of multilocular cystic nephroma, Dikengil A; Benson M; Sanders L; et al, Urol Radiol 1988; 10: 95
- MRI of Wilms' tumor: promise as the primary imaging method, Belt TG; Cohen MD; Smith JA; et al, AJR 1986; 146: 955
- scar sign of renal oncocytoma: magnetic resonance imaging appearance and lack of specificity, Ball DS; Friedman AC; Hartman DS; et al, Urol Radiol 1986; 8: 46
- Kidney neoplasms, radionuclide studies**
- functional oncocytoma of the kidney: evaluation by dual tracer scintigraphy, Lee VW; Allard JC; Foster J; et al, J Nucl Med 1987; 28: 1911
- Misleading technetium-99m DTPA renogram in renal carcinoma, Cosgriff PS; Lavelle J, Br J Radiol 1987; 60: 717
- perfusion of tumor-bearing kidneys as a model for scintigraphic screening of monoclonal antibodies, van Dijk J; Oosterwijk E; van Kroonenburgh MJP; et al, J Nucl Med 1988; 29: 1078

Kidney neoplasms, radionuclide studies

renal involvement first diagnosed by radionuclide bone imaging in a patient with lymphocytic lymphoma, Fleming MC; Tyson JB; Tenorio LE, Clin Nucl Med 1987; 12: 892

ring-like uptake pattern of a skeletal imaging agent in a huge renal cell carcinoma, Shih W-J; DeLand FH; Domstad PA; et al, Clin Nucl Med 1986; 11: 319

technetium-99m DMSA abnormal uptake by metastatic lesion of a renal cell carcinoma, Kosuda S; Hirono Y; Yoshinaga H; et al, Clin Nucl Med 1986; 11: 432

Kidney neoplasms, secondary

metastatic deposits from a previously treated carcinoma of the lung presenting as a renal cell carcinoma, Bailey MJ; Williams JE; Riddle PR, Br J Radiol 1986; 59: 333

other malignant neoplasms of the renal parenchyma, Pollack HM; Banner MP; Amendola MA, Semin Roentgenol 1987; 22: 260

prostatic carcinoma metastasis to the kidney: diagnosis by thin needle aspiration biopsy, Kutcher R; Greenebaum E; Rosenblatt R; et al, Urol Radiol 1986; 8: 98

renal metastases: clinicopathologic and radiologic correlation, Choyke PL; White EM; Zeman RK; Jaffe MH; Clark LR, Radiology 1987; 162: 359

renal metastases from neuroblastoma: report of two cases, Filiatrault D; Hoyoux C; Benoit P; et al, Pediatr Radiol 1987; 17: 137

Kidney neoplasms, staging

algorithmic approach to the diagnosis and staging of renal neoplasms, Lang EK, Radiol Clin North Am 1986; 24: 683

detection and staging of renal neoplasms: a reassessment of MR imaging, Hricak H; Thoen RF; Carroll PR; Demas BE; Marotti M; Tanagho EA, Radiology 1988; 166: 643

diagnosis and staging of renal cell carcinoma: a comparison of MR imaging and CT, Fein AB; Lee JKT; Balfé DM; et al, AJR 1987; 148: 749

magnetic resonance imaging in staging of renal cell carcinoma, Patel SK; Stack CM; Turner DA, Radiographics 1987; 7: 703

renal adenocarcinoma: CT staging of 100 tumors, Johnson CD; Dunnick NR; Cohen RH; et al, AJR 1987; 148: 59

renal cell carcinoma: dynamic thin-section CT assessment of vascular invasion and tumor vascularity, Zeman RK; Cronan JJ; Rosenfield AT; Lynch JH; Jaffe MH; Clark LR, Radiology 1988; 167: 393

renal cell carcinoma: radiological diagnosis and staging, Levine E, Semin Roentgenol 1987; 22: 248

role of computed tomography in staging of renal cell carcinoma, Doda SS; Mathur RK; Buxi TS, Comput Radiol 1986; 4: 183

staging of the abdominal extent of renal carcinoma by computed tomography, McKinstry CS; McIlraith EM, Eur J Radiol 1987; 7: 165

Kidney neoplasms, therapeutic radiology

adult nephroblastoma—five cases treated by surgery, radiotherapy and chemotherapy, Slevin NJ; McWilliam LJ; Pearson D, Clin Radiol 1987; 38: 483

chronic effects of fractionated renal irradiation on the pharmacokinetics of intravenous methotrexate, Holcenberg JS; Moulder JE; Kamen BA; et al, Int J Radiat Oncol Biol Phys 1987; 13: 759

postoperative radiotherapy in stage II and III renal adenocarcinoma. a randomized trial by the Copenhagen renal cancer study group, Kjaer M; Frederiksen PL; Engelholm SA, Int J Radiat Oncol Biol Phys 1987; 13: 665

renal irradiation and the pharmacology and toxicity of methotrexate and cisplatin, Moulder JE; Holcenberg JS; Kamen BA; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1415

treatment and prognosis of patients with renal adenocarcinoma with solitary metastasis. 10 year survival results, Kjaer M, Int J Radiat Oncol Biol Phys 1987; 13: 619

Kidney neoplasms, therapy

adult nephroblastoma—five cases treated by surgery, radiotherapy and chemotherapy, Slevin NJ; McWilliam LJ; Pearson D, Clin Radiol 1987; 38: 483

feasibility of surgical enucleation for renal cell carcinoma, (ab), Marshall FF; Taxy JB; Fishman EK; et al, Radiology 1986; 160: 284

intraarterial doxorubicin infusion treatment with and without occlusion of the renal artery in rabbit renal VX-2 carcinoma: establishing an animal model, Gadeholt G; Göthlin JH, Acta Radiol 1987; 28: 467

percutaneous management of renal pelvic tumors: a treatment option in selected cases, (ab), Smith AD; Orihuela E; Crowley AR, Radiology 1988; 166: 588

percutaneous transluminal embolization for improved prognosis of renal cell carcinoma—dependence on tumor stages, Stoesslein F; Schwenne A; Muenster W, Cardiovasc Intervent Radiol 1988; 11: 91

preoperative renal tumor embolization: a useful procedure?, Fischedick A-R; Peters PE; Kleinhans G; et al, Acta Radiol 1987; 28: 303

renal abscess: complication of ethanol embolization, Tupper TB; Cronan JJ; Wald LM; Dorfman GS, Radiology 1986; 161: 35

renal carcinoma: clinical aspects and therapy, Bracken RB, Semin Roentgenol 1987; 22: 241

renal irradiation and the pharmacology and toxicity of methotrexate and cisplatin, Moulder JE; Holcenberg JS; Kamen BA; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1415

renal vein ethanol concentration during ablation of renal cell carcinoma, Haapanen AA; Dean PB, Cardiovasc Intervent Radiol 1986; 9: 205

selective therapeutic embolization of renal cell carcinoma in solitary kidneys, (ab), Kozak BE; Keller FS; Rosch J; et al, Radiology 1987; 165: 884

Kidney neoplasms, US studies

cystic renal melanoma: CT/ultrasound correlation, Tipton A; Goldman SM; Fishman EK; et al, Urol Radiol 1987; 9: 39

detection of renal masses: sensitivities and specificities of excretory urography/linear tomography, US, and CT, Warshaw DM; McCarthy SM; Street L; Bookbinder MJ; Glickman MG; Richter J; Hammers L; Taylor C; Rosenfield AT, Radiology 1988; 169: 363

infiltrative renal lesions: CT-sonographic-pathologic correlation, Hartman DS; Davidson AJ; Davis CJ Jr; et al, AJR 1988; 150: 1061

intratumoral blood flow: evaluation with color Doppler echography, Shimamoto K; Sakuma S; Ishigaki T; Makino N, Radiology 1987; 165: 683

massive Wilms' tumor: sonographic demonstration of therapeutic response without alteration in size, Shimizu H; Jaffe N; Eftekhari F, Pediatr Radiol 1987; 17: 493

multiloculated renal mass: considerations and differential features, Hartman DS; Davis CJ Jr; Sanders RC; Johns TT; Smirniotopoulos J; Goldman SM, Radiographics 1987; 7: 29

nephroblastomatosis: comparison of CT with US and urography, Fernbach SK; Feinstein KA; Donaldson JS; Baum ES, Radiology 1988; 166: 153

rapidly expanding mass in a neonate, Kremer SM; Rosenberg HK; Sherman NH; et al, JCU 1986; 14: 569

renal carcinoma: duplex Doppler evaluation, Dubbins PA; Wells I, Br J Radiol 1986; 59: 231

renal cell carcinoma: unusual sonographic appearance, Katz JF; Nichols L; Kane RA; et al, J Ultrasound Med 1986; 5: 517

renal sonography in American Burkitt lymphoma, Strauss S; Libson E; Schwartz E; et al, AJR 1986; 146: 549

renal transitional cell carcinoma mimicking stone echoes, Janetschek G; Putz A; Feichtinger H, J Ultrasound Med 1988; 7: 83

small renal cell carcinomas: resolving a diagnostic dilemma, Amendola MA; Bree RL; Pollack HM; Francis IR; Glazer GM; Jafri SZH; Tomaszewski JE, Radiology 1988; 166: 637

sonographic evaluation of renal masses, Balarowich OH; Kurtz AB, Urol Radiol 1987; 9: 79

sonography in transitional cell carcinoma of the renal pelvis, Grant DC; Dee GJ; Yoder IC; et al, Urol Radiol 1986; 8: 1

sonography of small renal masses with indeterminate density characteristics on computed tomography, Foster WL Jr; Roberts L Jr; Halvorsen RA Jr; et al, Urol Radiol 1988; 10: 59

tumor vascular signals in renal masses: detection with Doppler US, Ramos IM; Taylor KJW; Kier R; Burns PN; Snower DP; Carter D, Radiology 1988; 168: 633

ultrasonographic and computed tomographic features of renal sinus lymphoma, Ruchman RB; Yeh H-C; Mitty HA; et al, JCU 1988; 16: 35

ultrasound of Wilms' tumor, De Campo JF, Pediatr Radiol 1986; 16: 21

Wilms' tumor detection in patients with sporadic aniridia: successful use of ultrasound, (ab), Friedman AL, Radiology 1986; 161: 863

Wilms tumor in children: abdominal CT and US evaluation, Reiman TAH; Siegel MJ; Shackelford GD, Radiology 1986; 160: 501

Wilms tumor occurring as a botryoid renal pelvicalyceal mass, Johnson KM; Horvath LJ; Gaisie G; Mesrobian HG; Koepke JF; Askin FB, Radiology 1987; 163: 385

Wilms' tumours: ultrasound and changing concepts, Cremin BJ, Clin Radiol 1987; 38: 465

Klippel-Feil syndrome

See Spine, abnormalities

Knee

case report 348, Present DA; Bertoni F; Enneking WF, Skeletal Radiol 1986; 15: 82

case report 348, Present DA; Bertoni F; Enneking WF, Skeletal Radiol 1986; 15: 236

case report 451, Lagier R, Skeletal Radiol 1987; 16: 660

juvenile rheumatoid arthritis: assessment with MR imaging, Yulish BS; Lieberman JM; Newman AJ; Bryan PJ; Mulopulos GP; Modic MT, Radiology 1987; 165: 149

Knee, abnormalities

angular deformity of the lower extremity: evaluation with quantitative bone scintigraphy. work in progress, Harcke HT; Zapf SE; Mandell GA; Sharkey CA; Cooley LA, Radiology 1987; 164: 437

cartilage disorders: comparison of spin-echo, CHES, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, Radiology 1987; 164: 753

dorsal defect of the patella and infection, Alexander JE; Seibert JJ; Aronson J, Pediatr Radiol 1987; 17: 325

dorsal defect of the patella: concept of its origin and relationship with bipartite and multipartite patella, van Holsbeek M; Vandamme B; Marchal CJF; et al, Skeletal Radiol 1987; 16: 304

meniscal abnormalities: prospective correlation of double-contrast arthrography and arthroscopy, Dumas J-M; Edde DJ, Radiology 1986; 160: 453

MR imaging of the knee. part II. chronic disorders, Hartzman S; Reicher MA; Bassett LW; Duckwiler GR; Mandelbaum B; Gold RH, Radiology 1987; 162: 553

patellofemoral joint: kinematic MR imaging to assess tracking abnormalities, Shellock FC; Mink JH; Fox JM, Radiology 1988; 168: 551

stress radiographs in the evaluation of degenerative femorotibial joint disease, Tallroth K; Lindholm TS, Skeletal Radiol 1987; 16: 617

Knee, anatomy

knee arthrography, Freiburger RH; Pavlov H, Radiology 1988; 166: 489

knee injuries: high-resolution MR imaging, Gallimore GW Jr; Harms SE, Radiology 1986; 160: 457

- pitfalls in MR imaging of the knee, Herman LJ; Beltran J, *Radiology* 1988; 167: 775
- Knee, arthritis**
- development of criteria for the classification and reporting of osteoarthritis: classification of osteoarthritis of the knee, (ab), Altman R; Asch E; Bloch D; et al, *Radiology* 1987; 162: 589
- hemophilic arthropathy: assessment with MR imaging, Yulish BS; Lieberman JM; Strandjord SE; Bryan PJ; Mulopulos GP; Modic MT, *Radiology* 1987; 164: 759
- pigmented villonodular synovitis: report of MR imaging in two cases, Kottal RA; Vogler JB III; Matamoros A; Alexander AH; Cookson JL, *Radiology* 1987; 163: 551
- prevalence of knee osteoarthritis in the elderly: the Framingham Osteoarthritis Study, (ab), Felson DT; Naitmark A; Anderson J; et al, *Radiology* 1988; 167: 590
- proximal tibial varus osteotomy for osteoarthritis of the lateral compartment of the knee, (ab), Coventry MB, *Radiology* 1987; 164: 294
- radiographic assessment and psychologic variables as predictors of pain and functional impairment in osteoarthritis of the knee or hip, (ab), Summers MN; Haley WE; Reveille JD; et al, *Radiology* 1988; 169: 886
- tuberculosis of the patella, Gimenez MH; Beltran JVT; Segui MIF; et al, *Pediatr Radiol* 1987; 17: 328
- Knee, arthrography**
- bucket-handle tears of the meniscus: appearance at CT, Manco LG; Berlow ME; Czajka J; Alfred R, *Radiology* 1988; 168: 709
- contrast media in double-contrast arthrography of the knee: comparison of ioxaglate and iohalamate preparations, Ingram C; Stoker DJ, *Br J Radiol* 1986; 59: 143
- cystic masses of the knee: arthrographic and CT evaluation, Lee KR; Cox GG; Neff JR; et al, *AJR* 1987; 148: 329
- knee arthrography, Freiburger RH; Pavlov H, *Radiology* 1988; 166: 489
- knee arthrography: comparison of iohexol, ioxaglate sodium meglumine, and metrizoate, Obermann WR; Kieft GJ, *Radiology* 1987; 162: 729
- knee arthrography: effects of various contrast media and epinephrine on synovial fluid, Corbetti F; Malatesta V; Camposampiero A; Mazzi A; Punzi L; Angelini F; Vigo M; Todesco S, *Radiology* 1986; 161: 195
- locking and unlocking of the knee: arthrographic demonstration, Salazar JE; Duke RA; Winer-Muram HT, *AJR* 1986; 146: 575
- magnetic resonance imaging of internal derangements of the knee, Bellon EM; Keith MW; Coleman PE; Shah ZR, *Radiographics* 1988; 8: 95
- meniscal abnormalities: prospective correlation of double-contrast arthrography and arthroscopy, Dumas J-M; Edde DJ, *Radiology* 1986; 160: 453
- meniscal tears on knee arthrography: patterns of arthrographic abnormalities, (ab), De Smet AA, *Radiology* 1986; 159: 572
- meniscus tears of the knee: prospective evaluation with CT, Manco LG; Kavanaugh JH; Fay JJ; Bilfield BS, *Radiology* 1986; 159: 147
- pitfalls in MR imaging of the knee, Herman LJ; Beltran J, *Radiology* 1988; 167: 775
- scatter radiation exposure during knee arthrography, Light MC; Molloy SY; Yandow DR; Ranallo FN, *Radiology* 1987; 164: 867
- Knee, CT**
- bucket-handle tears of the meniscus: appearance at CT, Manco LG; Berlow ME; Czajka J; Alfred R, *Radiology* 1988; 168: 709
- computed arthrotopography with multiplanar reformations and three-dimensional image analysis in the evaluation of the cruciate ligaments: preliminary investigation, Kursunoglu S; Pate D; Resnick D; et al, *J Canad Assoc Radiol* 1986; 37: 153
- computed tomography and ultrasound imaging of jumper's knee—patellar tendinitis, Mourad K; King J; Guggiana P, *Clin Radiol* 1988; 39: 162
- computed tomography of meniscal cysts of the knee joint, Passariello R; Masciocchi C; Zobel BB; et al, *Eur J Radiol* 1987; 7: 83
- CT demonstration of capsuloligamentous lesions of the knee joint, Passariello R; Trecco F; De Paulis F; et al, *JCAT* 1986; 10: 450
- cystic masses of the knee: arthrographic and CT evaluation, Lee KR; Cox GG; Neff JR; et al, *AJR* 1987; 148: 329
- diagnosis of meniscal tears using high-resolution computed tomography, (ab), Manco LG; Kavanaugh JH; Lozman J; et al, *Radiology* 1987; 165: 589
- functional dynamics of the knee joint by ultrafast, cine-CT, Shapero LG; Dye SF; Lipton MJ; et al, *Invest Radiol* 1988; 23: 118
- high resolution computed tomography of knee menisci, Steinbach LS; Helms CA; Sims RE; et al, *Skeletal Radiol* 1987; 16: 11
- meniscus tears of the knee: prospective evaluation with CT, Manco LG; Kavanaugh JH; Fay JJ; Bilfield BS, *Radiology* 1986; 159: 147
- noninvasive evaluation of knee meniscal tears: preliminary comparison of MR imaging and CT, Manco LG; Lozman J; Coleman ND; Kavanaugh JH; Bilfield BS; Dougherty J, *Radiology* 1987; 163: 727
- normal findings and pathological changes of the ligamentum patellae on CT, (ab), Lehner K; Reiser M; Biehl T, *Radiology* 1986; 158: 570
- Knee, cysts**
- adventitial cystic disease of the popliteal artery, Jasinski RW; Masselink BA; Partridge RW; Deckinga BG; Bradford PF, *Radiology* 1987; 163: 153
- computed tomography of meniscal cysts of the knee joint, Passariello R; Masciocchi C; Zobel BB; et al, *Eur J Radiol* 1987; 7: 83
- cystic masses of the knee: arthrographic and CT evaluation, Lee KR; Cox GG; Neff JR; et al, *AJR* 1987; 148: 329
- meniscal and ganglion cysts of the knee: MR evaluation, Burk DL Jr; Dalinka MK; Kanal E; et al, *AJR* 1988; 150: 331
- migrating mouse: a sign of dissecting popliteal cyst, Wilson AJ; Ford LT; Gilula LA, *AJR* 1988; 150: 867
- Knee, fractures**
- Second tibial condyle fracture: lateral capsular ligament avulsion, Dietz GW; Wilcox DM; Montgomery JB, *Radiology* 1986; 159: 467
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- Knee, injuries**
- anterior cruciate ligament tears: MR imaging compared with arthroscopy and clinical tests, Lee JK; Yao L; Phelps CT; Wirth CR; Czajka J; Lozman J, *Radiology* 1988; 166: 561
- bucket-handle tears of the meniscus: appearance at CT, Manco LG; Berlow ME; Czajka J; Alfred R, *Radiology* 1988; 168: 709
- case report 398, Fornasier VL; Zitron AA; Evans JA; et al, *Skeletal Radiol* 1987; 16: 57
- case report 483, Howe MA; Buckwalter KA; Braunstein EM; et al, *Skeletal Radiol* 1988; 17: 293
- computed tomography and ultrasound imaging of jumper's knee—patellar tendinitis, Mourad K; King J; Guggiana P, *Clin Radiol* 1988; 39: 162
- CT demonstration of capsuloligamentous lesions of the knee joint, Passariello R; Trecco F; De Paulis F; et al, *JCAT* 1986; 10: 450
- diagnosis of meniscal tears using high-resolution computed tomography, (ab), Manco LG; Kavanaugh JH; Lozman J; et al, *Radiology* 1987; 165: 589
- dynamic ultrasonography of capsuloligamentous knee joint traumas, De Flaviis L; Nessel R; Leonardi M; et al, *JCU* 1988; 16: 487
- fast three-dimensional MR imaging of the knee: comparison with arthroscopy, Tyrell RL; Gluckert K; Pathria MN; Modic MT, *Radiology* 1988; 166: 865
- knee arthrography, Freiburger RH; Pavlov H, *Radiology* 1988; 166: 489
- knee injuries: high-resolution MR imaging, Callimore GW Jr; Harms SE, *Radiology* 1986; 160: 457
- knee ligament reconstruction: plain film analysis, Manaster BJ; Remley K; Newman AP; et al, *AJR* 1988; 150: 337
- locking and unlocking of the knee: arthrographic demonstration, Salazar JE; Duke RA; Winer-Muram HT, *AJR* 1986; 146: 575
- magnetic resonance imaging of internal derangements of the knee, Bellon EM; Keith MW; Coleman PE; Shah ZR, *Radiographics* 1988; 8: 95
- magnetic resonance imaging of knee injuries, Turner DA; Prodromos CC; Semin US CT MR 1986; 7: 339
- meniscal injuries: detection using MR imaging, Reicher MA; Hartzman S; Duckwiler GR; Bassett LW; Anderson LJ; Gold RH, *Radiology* 1986; 159: 753
- meniscal tears: MR demonstration of experimentally produced injuries, Beltran J; Noto AM; Mosure JC; Boos JC; Zaelzer WA; Christoforidis AJ, *Radiology* 1986; 158: 691
- meniscal tears of the knee: accuracy of MR imaging, Crues JV III; Mink JH; Levy TL; Lotysch M; Stoller DW, *Radiology* 1987; 164: 445
- meniscal tears on knee arthrography: patterns of arthrographic abnormalities, (ab), De Smet AA, *Radiology* 1986; 159: 572
- meniscal tears: pathologic correlation with MR imaging, Stoller DW; Martin C; Crues JV III; Kaplan L; Mink JH, *Radiology* 1987; 163: 731
- meniscal tears: pathologic correlation with MR imaging, Quinn SF; Muus C; Sara A; Estrada J; Walling A, *Radiology* 1988; 166: 580
- meniscal tears: pathologic correlation with MR imaging: reply, Stoller DW, *Radiology* 1988; 166: 580
- meniscus tears of the knee: prospective evaluation with CT, Manco LG; Kavanaugh JH; Fay JJ; Bilfield BS, *Radiology* 1986; 159: 147
- MR imaging of the knee. part I. traumatic disorders, Reicher MA; Hartzman S; Bassett LW; Mandelbaum B; Duckwiler GR; Gold RH, *Radiology* 1987; 162: 547
- noninvasive evaluation of knee meniscal tears: preliminary comparison of MR imaging and CT, Manco LG; Lozman J; Coleman ND; Kavanaugh JH; Bilfield BS; Dougherty J, *Radiology* 1987; 163: 727
- occult intraosseous fracture: detection with MR imaging, Yao L; Lee JK, *Radiology* 1988; 167: 749
- pitfalls in MR imaging of the knee, Herman LJ; Beltran J, *Radiology* 1988; 167: 775
- posttrauma intracapsular bone fragments: association with meniscal tears, Richmond J; Sarno RC, *AJR* 1988; 150: 159
- Second tibial condyle fracture: lateral capsular ligament avulsion, Dietz GW; Wilcox DM; Montgomery JB, *Radiology* 1986; 159: 467
- sonography in the detection of meniscal injuries of the knee: evaluation in cadavers, Selby B; Richardson ML; Nelson BD; et al, *AJR* 1987; 149: 549
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- tears of the anterior cruciate ligament and menisci of the knee: MR imaging evaluation, Mink JH; Levy T; Crues JV III, *Radiology* 1988; 167: 769
- Knee, MR studies**
- 1.5-T surface-coil MRI of the knee, Burk DL Jr; Kanal E; Brunberg JA; et al, *AJR* 1986; 147: 293
- accuracy of selective magnetic resonance imaging compared with the findings of arthroscopy of the knee, (ab), Polly DW Jr; Callaghan JJ; Sikes RA; et al, *Radiology* 1988; 168: 590
- anterior cruciate ligament tears: MR imaging compared with arthroscopy and clinical tests, Lee JK; Yao L; Phelps CT; Wirth CR; Czajka J; Lozman J, *Radiology* 1988; 166: 561
- articular cartilage defects: detectability in cadaver knees with MR, Gylis-Morin VM; Hajek PC; Sartoris DJ; et al, *AJR* 1987; 148: 1153

Knee, MR studies

- cartilage disorders: comparison of spin-echo, CHES, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, *Radiology* 1987; 164: 753
- chondromalacia patellae: assessment with MR imaging, Yulish BS; Montanaz J; Goodfellow DB; Bryan PJ; Mulpulos GP; Modic MT, *Radiology* 1987; 164: 763
- enhancement of parallel MR image acquisition by rotation of the plane of section, Kneeland JB; Jesmanowicz A; Hyde JS, *Radiology* 1988; 166: 886
- fast three-dimensional MR imaging of the knee: comparison with arthroscopy, Tyrrell RL; Gluckert K; Pathria MN; Modic MT, *Radiology* 1988; 166: 865
- high-resolution MR imaging using loop-gate resonators: work in progress, Kneeland JB; Jesmanowicz A; Fronczak W; Grist TM; Hyde JS, *Radiology* 1986; 158: 247
- high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, Middleton WD; Macrander S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera CF; Foley WD; Jesmanowicz A; Hyde JS, *Radiographics* 1987; 7: 645
- high signal intensity meniscus of the knee: magnetic resonance evaluation and in vivo correlation, Hajek PC; Gyls-Morin VM; Baker LL; et al, *Invest Radiol* 1987; 22: 883
- joint effusions: MR imaging, Beltran J; Noto AM; Herman LJ; Mosure JC; Burk JM; Christoforidis AJ, *Radiology* 1986; 158: 133
- knee injuries: high-resolution MR imaging, Callimore GW Jr; Harms SE, *Radiology* 1986; 160: 457
- knee: surface-coil MR imaging at 1.5 T, Beltran J; Noto AM; Mosure JC; Weiss KL; Zuelzer WA; Christoforidis AJ, *Radiology* 1986; 159: 747
- magnetic resonance imaging in hemophilic arthropathy of the knee, Pettersson H; Gillespie T; Kitchens C; et al, *Acta Radiol* 1987; 28: 621
- magnetic resonance imaging in the evaluation of suspected osteonecrosis of the knee, Pollack MS; Dalinka MK; Kressel HY; et al, *Skeletal Radiol* 1987; 16: 121
- magnetic resonance imaging of internal derangements of the knee, Bellon EM; Keith MW; Coleman PE; Shah ZR, *Radiographics* 1988; 8: 95
- magnetic resonance imaging of knee injuries, Turner DA; Prodomos CC, *Semin US CT MR* 1986; 7: 339
- magnetic resonance imaging of the knee and correlation with normal anatomy, Mesgarzadeh M; Schneek CD; Bonakdarpour A, *Radiographics* 1988; 8: 707
- magnetic resonance imaging of the ligaments and menisci of the knee, Li DKB; Adams ME; McConkey JP, *Radiol Clin North Am* 1986; 24: 209
- meniscal abnormalities of the knee: 3DFT fast-scan GRASS MR imaging, Hagger AM; Froelich JW; Hearshen DO; et al, *AJR* 1988; 150: 1341
- meniscal and ganglion cysts of the knee: MR evaluation, Burk DL Jr; Dalinka MK; Kanal E; et al, *AJR* 1988; 150: 331
- meniscal injuries: detection using MR imaging, Reicher MA; Hartzman S; Duckwiler GR; Bassett LW; Anderson LJ; Gold RH, *Radiology* 1986; 159: 753
- meniscal tears: MR demonstration of experimentally produced injuries, Beltran J; Noto AM; Mosure JC; Bools JC; Zuelzer WA; Christoforidis AJ, *Radiology* 1986; 158: 691
- meniscal tears of the knee: accuracy of MR imaging, Crues JV III; Mink JH; Levy TL; Lotysch M; Stoller DW, *Radiology* 1987; 164: 445
- meniscal tears: pathologic correlation with MR imaging, Stoller DW; Martin C; Crues JV III; Kaplan L; Mink JH, *Radiology* 1987; 163: 731
- meniscal tears: pathologic correlation with MR imaging, Quinn SF; Muus C; Sara A; Estrada J; Walling A, *Radiology* 1988; 166: 580
- meniscal tears: pathologic correlation with MR imaging: reply, Stoller DW, *Radiology* 1988; 166: 580
- MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, *Radiology* 1988; 169: 281
- MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 169: 282
- MR imaging of hemophilic arthropathy, Kulkarni MV; Drolshagen LF; Kaye JJ; et al, *JCAT* 1986; 10: 445
- MR imaging of the knee. part I. traumatic disorders, Reicher MA; Hartzman S; Bassett LW; Mandelbaum B; Duckwiler GR; Gold RH, *Radiology* 1987; 162: 547
- MR imaging of the knee. part II. chronic disorders, Hartzman S; Reicher MA; Bassett LW; Duckwiler GR; Mandelbaum B; Gold RH, *Radiology* 1987; 162: 553
- MR imaging of the knee: preliminary results with a 3DFT GRASS pulse sequence, Spritzer CE; Vogler JB; Martinez S; et al, *AJR* 1988; 150: 597
- MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, *Radiology* 1988; 166: 313
- noninvasive evaluation of knee meniscal tears: preliminary comparison of MR imaging and CT, Manco LG; Lozman J; Coleman ND; Kavanagh JH; Bilfield BS; Dougherty J, *Radiology* 1987; 163: 727
- occult intraosseous fracture: detection with MR imaging, Yao L; Lee JK, *Radiology* 1988; 167: 749
- patellofemoral joint: kinematic MR imaging to assess tracking abnormalities, Shellock FG; Mink JH; Fox JM, *Radiology* 1988; 168: 551
- pigmented villonodular synovitis: report of MR imaging in two cases, Kottal RA; Vogler JB III; Matamoros A; Alexander AH; Cookson JL, *Radiology* 1987; 163: 551
- pitfalls in MR imaging of the knee, Herman LJ; Beltran J, *Radiology* 1988; 167: 775
- rotator cuff tears: preliminary application of high-resolution MR imaging with counter rotating current loop-gate resonators, Kneeland JB; Carrera CF; Middleton WD; Campagna NF; Ryan LM; Jesmanowicz A; Fronczak W; Hyde JS, *Radiology* 1986; 160: 695
- tears of the anterior cruciate ligament and menisci of the knee: MR imaging evaluation, Mink JH; Levy T; Crues JV III, *Radiology* 1988; 167: 769
- three-dimensional MR imaging of the knee using surface coils, Harms SE; Muschler G, *JCAT* 1986; 10: 773
- Knee, neoplasms**
- case report 383, Kouwenberg JJ; Simons AJ, *Skeletal Radiol* 1986; 15: 484
- case report 460, Manivel JC; Dehner LP; Thompson R, *Skeletal Radiol* 1988; 17: 66
- knee pain and swelling in a 38-year-old woman, Hayward I; Yaru N; Grafe M; et al, *Invest Radiol* 1987; 22: 516
- synovial osteochondroma of the knee in Tc-99m HMDP bone imaging, Shih W-J; Ryo UY, *Clin Nucl Med* 1988; 13: 617
- Knee, prostheses**
- granulomatous pseudotumors in total joint replacement, Griffiths HJ; Burke J; Bonfiglio TA, *Skeletal Radiol* 1987; 16: 146
- In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities, Magnuson JE; Brown ML; Hauser MF; Berquist TH; Fitzgerald RH; Klee GG, *Radiology* 1988; 168: 235
- knee prostheses, Schneider R; Goldman AB; Insall JN, *Semin Roentgenol* 1986; 21: 29
- radionuclide scanning after total knee replacement: correlation with pain and radiolucent lines, a prospective study, Duus BR; Boeckstyns M; Kjaer L; et al, *Invest Radiol* 1987; 22: 891
- radiophosphate visualization of the foreign body reaction to wear debris from total knee prosthesis, Rosenthal L, *J Nucl Med* 1987; 28: 915
- tibiofemoral alignment and the results of knee replacement, (ab), Tew M; Waugh W, *Radiology* 1986; 158: 570
- Knee, radiography**
- axial view of the patello-femoral joint: description of a new radiographic method for routine use, Egund N, *Acta Radiol* 1986; 27: 101
- Second tibial condyle fracture: lateral capsular ligament avulsion, Dietz GW; Wilcox DM; Montgomery JB, *Radiology* 1986; 159: 467
- stress radiographs in the evaluation of degenerative femorotibial joint disease, Tallroth K; Lindholm TS, *Skeletal Radiol* 1987; 16: 617
- Knee, radionuclide studies**
- angular deformity of the lower extremity: evaluation with quantitative bone scintigraphy, work in progress, Harcke HT; Zapf SE; Mandell GA; Sharkey CA; Cooley LA, *Radiology* 1987; 164: 437
- chondromalacia of the patella: bone imaging correlated with arthroscopic findings, Kohn HS; Guten GN; Collier BD; et al, *Clin Nucl Med* 1988; 13: 96
- "hot" patella on bone images, Lin DS, *Semin Nucl Med* 1986; 16: 218
- In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities, Magnuson JE; Brown ML; Hauser MF; Berquist TH; Fitzgerald RH; Klee GG, *Radiology* 1988; 168: 235
- radionuclide scanning after total knee replacement: correlation with pain and radiolucent lines, a prospective study, Duus BR; Boeckstyns M; Kjaer L; et al, *Invest Radiol* 1987; 22: 891
- radiophosphate uptake in asymptomatic knee arthroplasty, Rosenthal L; Lepanto L; Raymond F, *J Nucl Med* 1987; 28: 1546
- radiophosphate visualization of the foreign body reaction to wear debris from total knee prosthesis, Rosenthal L, *J Nucl Med* 1987; 28: 915
- spontaneous osteonecrosis of the knee: scintigraphic findings, Traflet R; Desai A; Park C, *Clin Nucl Med* 1987; 12: 525
- synovial osteochondroma of the knee in Tc-99m HMDP bone imaging, Shih W-J; Ryo UY, *Clin Nucl Med* 1988; 13: 617
- usefulness of SPECT in the early detection of avascular necrosis of the knees, Gupta SM; Foster CR; Kayani N, *Clin Nucl Med* 1987; 12: 99
- Knee, surgery**
- supracondylar fracture of the femur after total knee arthroplasty, (ab), Merkel KD; Johnson EW Jr, *Radiology* 1986; 160: 285
- Knee, US studies**
- computed tomography and ultrasound imaging of jumper's knee—patellar tendinitis, Mourad K; King J; Guggiana P, *Clin Radiol* 1988; 39: 162
- dynamic ultrasonography of capsuloligamentous knee joint traumas, De Flaviis L; Nessi R; Leonardi M; et al, *JCU* 1988; 16: 487
- high resolution sonography of the menisci of the knee, Selby B; Richardson ML; Montana MA; et al, *Invest Radiol* 1986; 21: 332
- sonography in the detection of meniscal injuries of the knee: evaluation in cadavers, Selby B; Richardson ML; Nelson BD; et al, *AJR* 1987; 149: 549
- ultrasonographic detection of the patellar plica in the knee, Derks WHJ; de Hooge P; van Linge B, *JCU* 1986; 14: 355
- ultrasonography in the knee: clinical aspects, Teitz CC, *Radiol Clin North Am* 1988; 26: 55
- ultrasonography of the knee, Richardson ML; Selby B; Montana MA; et al, *Radiol Clin North Am* 1988; 26: 63
- ultrasonography of the popliteal fossa and lower extremities, Pathria MN; Zlatkin M; Sartoris DJ; et al, *Radiol Clin North Am* 1988; 26: 77
- ultrasound in the evaluation of the knee and patellar regions, Laine HR; Harjula AL; Peltohallio P, *J Ultrasound Med* 1987; 6: 33
- Krypton, radioactive**
- evaluation of the accuracy of steady-state krypton-81m method for calculating right ventricular ejection fraction, Ham HR; Franken PR; Georges B; et al, *J Nucl Med* 1986; 27: 593
- gated right ventricular studies using krypton-81m: comparison with first-pass studies using gold-199m, Caplin JL; Flatman WD; Dymond DS, *J Nucl Med* 1986; 27: 602
- krypton-79m: new radionuclide for applications in nuclear medicine, Myers WG; Dahl JR; Graham MC, *J Nucl Med* 1986; 27: 1436
- Kyphosis**
- See Spine, curvature

L

Lacrimal gland and duct

- antennal sonographic detection of benign dacryocystoceles (lacrimal duct cysts), Davis WK; Mahony BS; Carroll BA; et al, *J Ultrasound Med* 1987; 6: 461
- lacrimal gland and fossa lesions: role of computed tomography, Mafee MF; Haik BG, *Radiol Clin North Am* 1987; 25: 767
- obstructive pattern in dacryoscintigraphy, Hulseley JM; Smith R, *Semin Nucl Med* 1988; 18: 65

Lacrimal gland and duct, CT

- lacrimal gland and fossa lesions: role of computed tomography, Mafee MF; Haik BG, *Radiol Clin North Am* 1987; 25: 767

Lacrimal gland and duct, radiography

- dacryocystography after paranasal sinus surgery, Hunink MGM; de Vries-Knoppert WAJ; Balm AJM; et al, *Br J Radiol* 1988; 61: 362
- dacryocystography: the technique and its role in the practice of ophthalmology, Millman AL; Liebeskind A; Putterman AM, *Radiol Clin North Am* 1987; 25: 781

Lactobezoar

- demonstration of a lactobezoar by ultrasound, Naik DR; Bolia A; Boon AW, *Br J Radiol* 1987; 60: 506

Laparotomy

- See Abdomen, surgery

Laryngectomy

- See Larynx, surgery

Laryngocoele

- laryngocoele—a study of five cases with reference to the radiological features, Hubbard C, *Clin Radiol* 1987; 38: 639

Larynx

- airway-obstructing epiglottic cyst, (ab), Henderson LT; Denneny JC III; Teichgraber J, *Radiology* 1986; 161: 861

Larynx, abnormalities

- cricoarytenoiditis: CT assessment in rheumatoid arthritis, Brazeau-Lamontagne L; Charlin B; Levesque R-Y; Lussier A, *Radiology* 1986; 158: 463

Larynx, abscess

- laryngeal perichondritis and abscess, (ab), Souliere CR Jr; Kirchner JA, *Radiology* 1986; 159: 574

Larynx, anatomy

- larynx and hypopharynx: MR imaging with surface coils, Lufkin RB; Hanafee WN; Wortham DG; Hoover LA, *Radiology* 1986; 158: 747
- sonographic anatomy of the larynx, with particular reference to the vocal cords, Raghavendra BN; Horii SC; Reede DL; et al, *J Ultrasound Med* 1987; 6: 225

Larynx, CT

- cricoarytenoiditis: CT assessment in rheumatoid arthritis, Brazeau-Lamontagne L; Charlin B; Levesque R-Y; Lussier A, *Radiology* 1986; 158: 463

- CT findings of laryngeal involvement in von Recklinghausen disease, Stines J; Rodde A; Carolus JM; et al, *JCAT* 1987; 11: 141

- imaging the laryngopharynx, Lufkin RB; Hanafee WN, *Semin US CT MR* 1986; 7: 166

- invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, Castelijns JA; Gerritsen GJ; Kaiser MC; Valk J; van Zanten TEG; Golding RG; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB, *Radiology* 1988; 167: 199

- larynx and hypopharynx: MR imaging with surface coils, Lufkin RB; Hanafee WN; Wortham DG; Hoover LA, *Radiology* 1986; 158: 747

- medullary space involvement in laryngeal carcinoma: computed tomographic demonstration, (ab), Silverman PM, *Radiology* 1986; 159: 823

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- polychondritis affecting the laryngeal cartilages: CT findings, Casselman JW; Lemahieu SF; Peene P; et al, *AJR* 1988; 150: 355

- Teflon paste implant in unilateral vocal cord paralysis: CT characteristics, Rao VM; Melnick H; Wechsler RJ; et al, *JCAT* 1987; 11: 624

Larynx, diseases

- CT findings of laryngeal involvement in von Recklinghausen disease, Stines J; Rodde A; Carolus JM; et al, *JCAT* 1987; 11: 141

- progressive stridor and hoarseness in a young black woman, Picus D; Marx MV; Middleton WD, *Invest Radiol* 1987; 22: 338

Larynx, injuries

- laryngeal injury demonstrated by aerosol ventilation imaging, Greyson ND; Ador-Dionisio J, *Clin Nucl Med* 1988; 13: 204

Larynx, MR studies

- application of MRI to the analysis of speech production, Baer T; Gore JC; Boyce S; et al, *Magn Res Imag* 1987; 5: 1

- imaging the laryngopharynx, Lufkin RB; Hanafee WN, *Semin US CT MR* 1986; 7: 166

- invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, Castelijns JA; Gerritsen GJ; Kaiser MC; Valk J; van Zanten TEG; Golding RG; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB, *Radiology* 1988; 167: 199

- larynx and hypopharynx: MR imaging with surface coils, Lufkin RB; Hanafee WN; Wortham DG; Hoover LA, *Radiology* 1986; 158: 747

- MR imaging of laryngeal cancer, Castelijns JA; Kaiser MC; Valk J; et al, *JCAT* 1987; 11: 134

- surface coil magnetic resonance imaging of the normal larynx, (ab), McArdle CB; Bailey BJ; Amparo EC, *Radiology* 1987; 163: 294

Larynx, neoplasms

- advanced head and neck cancer: response to and toxicity of multimodality therapy, Chang H; Leone LA; Tefft M; Nigri PT, *Radiology* 1988; 168: 863

- cancer of the piriform sinus: treatment by radiation therapy alone and with surgery, Dobois JB; Guerrier B; Di Ruggiero JM; Pourquier H, *Radiology* 1986; 160: 831

- early results of radiotherapy for advanced laryngeal cancer using three small fractions per day, Morgan DAL; Bradley PJ; MacLennan KA, *Acta Oncol* 1987; 26: 437

- effect of fraction size on control of early glottic cancer, Schwaibold F; Scariato A; Nunno M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 451

- effects of irradiation on alaryngeal voice of totally laryngectomized patients, Izdebski K; Fontanesi J; Ross JC; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1281

- invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, Castelijns JA; Gerritsen GJ; Kaiser MC; Valk J; van Zanten TEG; Golding RG; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB, *Radiology* 1988; 167: 199

- laryngeal papillomatosis, Clements R; Gravelle IH, *Clin Radiol* 1986; 37: 547

- laryngeal paraganglioma: update on diagnosis and treatment, (ab), Konowitz PM; Lawson W; Som P; et al, *Radiology* 1988; 168: 888

- larynx and hypopharynx: MR imaging with surface coils, Lufkin RB; Hanafee WN; Wortham DG; Hoover LA, *Radiology* 1986; 158: 747

- medullary space involvement in laryngeal carcinoma: computed tomographic demonstration, (ab), Silverman PM, *Radiology* 1986; 159: 823

- metastases to the larynx, (ab), Batsakis JG; Luna MA; Byers RM, *Radiology* 1986; 159: 823

- MR imaging of laryngeal cancer, Castelijns JA; Kaiser MC; Valk J; et al, *JCAT* 1987; 11: 134

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

- neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy, Niemeyer JH; Balfe DM; Hayden RE, *Radiology* 1987; 162: 493

Larynx, therapeutic radiology

- president's address: cancer cure with organ preservation using radiation therapy, Brady LW; Markoe AM; Fisher S, *Radiology* 1986; 160: 1

- prognostic significance of thyroid gland involvement in laryngeal carcinoma, (ab), Gilbert RW; Cullen RJ; van Nostrand P; et al, *Radiology* 1987; 163: 839

- radiation therapy for advanced (T3T4N0-N3M0) laryngeal carcinoma: the need for a change of strategy: a radiotherapeutic viewpoint, Karim ABMF; Kralendonsk JH; Njo KH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1625

- regression after 50 Gy as a selection for therapy in advanced laryngeal cancer, Terhaard CHJ; Wiggensraad RG; Hordijk GJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 591

- resectional management of airway invasion by thyroid carcinoma, (ab), Grillo HC; Zannini P, *Radiology* 1987; 163: 290

- squamous cell carcinoma of the supraglottic larynx treated with surgery and/or radiation therapy, Weems DH; Mendenhall WM; Parsons JT; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1483

- thyroid cartilage imaging with diagnostic ultrasound: correlative studies, (ab), Rothberg R; Noyek AM; Freeman JL; et al, *Radiology* 1987; 163: 294

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

- twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

history of irradiation in squamous cell carcinomas of the larynx and hypopharynx, Fletcher GH, *Int J Radiat Oncol Biol Phys* 1986; 12: 2019

hyperfractionated photon radiation therapy in the treatment of advanced squamous cell carcinoma of the oral cavity, pharynx, larynx, and sinuses, using radiation therapy as the only planned modality: (preliminary report) by the Radiation Therapy Oncology Group (RTOG), Marcial VA, Pajak TF, Chang C, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 41

hypofractionation reduces the therapeutic ratio in early glottic carcinoma, Harrison D; Crennan E; Cruickshank D; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 365

impact of neck node radioresponsiveness on the regional control probability in patients with oropharynx and pharyngolarynx cancers managed by definitive radiotherapy, Bataini JP; Bernier J; Jaulerry C; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 817

president's address: cancer cure with organ preservation using radiation therapy, Brady LW; Markoe AM; Fisher S, *Radiology* 1986; 160: 1

primary radiotherapy of larynx and pharynx carcinoma—an analysis of some factors influencing local control and survival, Overgaard J; Hansen HS; Jorgensen K; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 515

radiation therapy for advanced (T34N0-N3M0) laryngeal carcinoma: the need for a change of strategy: a radiotherapeutic viewpoint, Karim ABMF; Kralendonk JH; Njo KH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1625

regression after 50 Gy as a selection for therapy in advanced laryngeal cancer, Terhaard CHJ; Wiggensraad RG; Hordijk GJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 591

squamous cell carcinoma of the supraglottic larynx treated with surgery and/or radiation therapy, Weems DH; Mendenhall WM; Parsons JT; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1483

twice-a-day radiation therapy for supraglottic carcinoma, Wang CC; Suit HD; Blitzer PH, *Int J Radiat Oncol Biol Phys* 1986; 12: 3

vocal quality 10 years after radiotherapy for early glottic cancer, Morgan DAL; Robinson HF; Marsh L; et al, *Clin Radiol* 1988; 39: 295

Larynx, US studies

sonographic anatomy of the larynx, with particular reference to the vocal cords, Raghavendra BN; Horii SC; Reede DL; et al, *J Ultrasound Med* 1987; 6: 225

thyroid cartilage imaging with diagnostic ultrasound: correlative studies, (ab), Rothberg R; Noyek AM; Freeman JL; et al, *Radiology* 1987; 163: 294

Lasers

acute radiation effects on cutaneous microvasculature: evaluation with a laser Doppler perfusion monitor, Amols HI; Goffman TE; Komaki R; Cox JD, *Radiology* 1988; 169: 557

coronary artery laser therapy, Anderson HV; King SB III, *AJR* 1988; 150: 995

CT-guided laser therapy in resistant human tumors: phase I clinical trials, Gatenby RA; Hartz WH; Engstrom PF; Rosenblum JS; Hammond ND; Kessler HB; Moldofsky PJ; Clair MR; Unger E; Broder GJ, *Radiology* 1987; 163: 172

direct argon laser exposure for recanalization of peripheral arteries: early results, Nordstrom LA; Castaneda-Zuniga WR; Young EG; Von Seggern KB, *Radiology* 1988; 168: 359

esophageal malignancy: imaging results and complications of combined endoscopic-radiologic palliation, Jaffe MH; Fleischer D; Zeman RK; Benjamin SB; Choyke PL; Clark LR, *Radiology* 1987; 164: 623

hepatic inferior vena cava obstructions: clinical results of treatment with percutaneous transluminal laser-assisted angioplasty, Furui S; Yamauchi T; Ohtomo K; Tsuchiya K; Makita K; Takenaka E, *Radiology* 1988; 166: 673

laser angioplasty: controlled delivery of argon laser energy, Nordstrom LA; Castaneda-Zuniga WR; Lindeke CC; Rasmussen TM; Burnside DK, *Radiology* 1988; 167: 463

laser angioplasty of arterial stenoses, Geschwind HJ; Teisseire B; Bousnignac G; et al, *Cardiovasc Intervent Radiol* 1986; 9: 313

laser-assisted percutaneous angioplasty: initial clinical experience in peripheral arteries, Cumberland DC; Taylor DI; Procter AE, *Clin Radiol* 1986; 37: 423

laser induced shock wave lithotripsy: biologic effects of nanosecond pulses, (ab), Hofmann R; Hartung R; Geissdörfer K; et al, *Radiology* 1988; 169: 587

massive pneumoperitoneum following laser therapy of inoperable oesophageal carcinoma, Brooks PT; Troop AC; Barr H; et al, *Clin Radiol* 1988; 39: 305

MR imaging of laser-tissue interactions, Jolesz FA; Bleier AR; Jakab P; Ruenzel PW; Huttli K; Jako GJ, *Radiology* 1988; 168: 249

orderly approach: comments on the intravascular use of lasers, Carnic JD, *Cardiovasc Intervent Radiol* 1986; 9: 318

percutaneous laser catheter recanalization of carotid arteries in seven cadavers and one patient, Choy DSJ; Ascher P; Lammer J; et al, *AJNR* 1986; 7: 1050

percutaneous laser thermal angioplasty: initial results and 1-year follow-up in 129 femoropopliteal lesions, Sanborn TA; Cumberland DC; Greenfield AJ; Welsh CL; Guben JK, *Radiology* 1988; 168: 121

percutaneous laser treatment of atherosclerosis: overview of emerging techniques, Spears JR, *Cardiovasc Intervent Radiol* 1986; 9: 303

percutaneous transluminal laser angioplasty with contact probes, Lammer J; Karmel F, *Radiology* 1988; 168: 733

performance characteristics of a laser scanner and laser printer system for radiological imaging, Lo S-CB; Taira RK; Mankovich NJ; et al, *Comput Radiol* 1986; 4: 227

preoperative laser photodynamic therapy in combination with operation in lung cancer, (ab), Kato H; Konaka C; Ono J; et al, *Radiology* 1986; 159: 570

radiographic appearance of the esophagus and stomach after laser treatment of obstructing carcinoma, Wolf EL; Finkelstein J; Brandt LJ; et al, *AJR* 1986; 146: 519

thermodynamic correlates of hot tip laser angioplasty, Labs JD; White RI Jr; Anderson JH; et al, *Invest Radiol* 1987; 22: 954

transluminal laser irradiation of coronary arteries in live dogs: angiographic and morphologic study of acute effects, (ab), Crea F; Abela GS; Fenech A; et al, *Radiology* 1986; 161: 286

tumor therapy with hematoporphyrin derivative and lasers via a percutaneous fiberoptic technique: preclinical experiments, Gatenby RA; Hammond ND; Brown DQ, *Radiology* 1987; 163: 167

ultrasonic and histopathological correlations of deep focal hepatic lesions induced by stereotactic Nd-YAG laser applications, Godlewski G; Bourgeois JM; Sambuc P; et al, *Ultrasound Med Biol* 1988; 14: 287

Lead

radiologic "lead band" revisited, Blickman JG; Wilkinson RH; Graef JW, *AJR* 1986; 146: 245

Legg-Calve-Perthes disease

See Bones, necrosis

Legionnaires' disease

Legionnaires' disease: an emerging surgical problem, (ab), Korvick JA; Yu VL, *Radiology* 1987; 164: 881

Legionnaires' disease: review of 79 community acquired cases in Nottingham, (ab), Woodhead MA; Macfarlane JT, *Radiology* 1987; 162: 885

Leiomyoma

See Myoma

Leiomyosarcoma

See Myoma

Leprosy

erythema nodosum leprosum reaction of leprosy causing the double stripe sign on bone scan: case report, Datz FL, *Clin Nucl Med* 1987; 12: 212

Leprosy, lepromatous

bone loss in limbs with decreased or absent sensation: ten year follow-up of the hands in leprosy, MacMoran JW; Brand PW, *Skeletal Radiol* 1987; 16: 452

ultrasonographic findings in the livers of patients with lepromatous leprosy, Doehring E; Reider F; Dittrich M; et al, *JCU* 1986; 14: 179

Leprosy, tuberculoid

sonographic diagnosis of tuberculoid leprosy, Fornace BD; Nerot C, *J Ultrasound Med* 1987; 6: 105

Letters to the Editor

abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Kadar N; Romero R, *Radiology* 1986; 161: 854

abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels: reply, Filly RA; Laing FC; Nyberg DA, *Radiology* 1986; 161: 854

abused "silhouette", Jackson H, *Radiology* 1988; 169: 578

abused "silhouette": reply, Arnold RE, *Radiology* 1988; 169: 578

adhesive capsulitis, Hall FM, *Radiology* 1988; 169: 579

adrenal gland: MR imaging, McGahan JP, *Radiology* 1988; 166: 284

adrenal gland: MR imaging: reply, Glazer HS; Lee JKT, *Radiology* 1988; 166: 285

aggressive neuroblastoma simulating Wilms tumor, Oliphant M; Berne AS, *Radiology* 1988; 167: 878

aluminum bone disease in children: radiographic features from diagnosis to resolution, Daves ML, *Radiology* 1986; 159: 283

aluminum bone disease in children: radiographic features from diagnosis to resolution: reply, Andreoli SF; Smith JA; Bergstein JM, *Radiology* 1986; 159: 284

aluminum bone disease in children: radiographic features from diagnosis to resolution, Vukicevic S, *Radiology* 1987; 163: 583

antibiotic commentary, vanSonnenberg E; Varney RR; Casola G, *Radiology* 1988; 166: 901

articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis, Sundaram M, *Radiology* 1988; 166: 285

articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis: reply, Naidich JB; Karmel MI; Stein HL; Mossey RT; Bluestone PA, *Radiology* 1988; 166: 285

balloon embolectomy catheter used percutaneously, McDermott JC; Crummy AB; Starck EE, *Radiology* 1986; 160: 279

balloon embolectomy catheter used percutaneously: reply, Cipriano PR, *Radiology* 1986; 160: 279

barium enema scout film: cost effectiveness and clinical efficacy, Pochaczewsky R, *Radiology* 1987; 162: 581

barium filling for glucagon-resistant spasm, Feuerstein IM; Margulis AR, *Radiology* 1987; 164: 876

beer company more ethical than medical community?, Forrest JW; Lasser EC, *Radiology* 1988; 166: 901

benign gastric ulcers: diagnosis and follow-up with double-contrast radiography, Gelfand DW; Ott DJ, *Radiology* 1987; 165: 878

biliary stricture dilatation: multicenter review of clinical management in 73 patients, Kadir S; White RI Jr, *Radiology* 1987; 162: 286

blood cell aggregates with low-osmolality and nonionic contrast media, Fischer HW; Morris TW, *Radiology* 1987; 165: 583

blood clot formation in angiographic syringes containing nonionic contrast media, Millward S; Wedding K; Frankow-Reid E, *Radiology* 1987; 164: 879

blood clot formation in angiographic syringes containing nonionic contrast media, Rasuli P, *Radiology* 1987; 165: 582

blood clot formation in angiographic syringes containing nonionic contrast media: reply, Robertson HJF, *Radiology* 1987; 165: 582

- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women, Mazess RB, Radiology 1987; 165: 289
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: reply, Genant HK, Radiology 1987; 165: 290
- breast attenuation artifacts in TI-201 scintigraphy, Botvinick EH, Radiology 1988; 168: 878
- breast attenuation artifacts in TI-201 scintigraphy: reply, Goodgold HM; Rehder JC; Samuels LD; Chaitman BR, Radiology 1988; 168: 879
- breast cancer screening: underuse of mammography, Williams JC, Radiology 1986; 159: 566
- breast masses: US-guided fine-needle aspiration biopsy, Flamm MB, Radiology 1987; 163: 831
- breast tumor seeding along localization guide wire tracks, Fajardo LL, Radiology 1988; 169: 580
- breast tumor seeding along localization guide wire tracks: reply, Kopans DB, Radiology 1988; 169: 581
- can mammography exclude cancer?, Kopans DB, Radiology 1988; 166: 286
- can mammography exclude cancer?: reply, Hall FM, Radiology 1988; 166: 287
- cecal diverticulitis: evaluation with CT, Hall FM, Radiology 1987; 163: 832
- cecal diverticulitis evaluation with CT: reply, Balhazar EJ, Radiology 1987; 163: 832
- cerebrovascular disease: evaluation with transcranial intraarterial digital subtraction angiography using a 4-F catheter, Halsell RD, Radiology 1987; 163: 284
- cerebrovascular disease: evaluation with transcranial intraarterial digital subtraction angiography using a 4-F catheter: reply, Becker GJ; Hicks ME, Radiology 1987; 163: 285
- cervical spinal stenosis: determination with vertebral body ratio method, Chappell BW, Radiology 1988; 167: 282
- cervical spinal stenosis: determination with vertebral body ratio method: reply, Pavlov H, Radiology 1988; 167: 282
- changes in cerebral perfusion after acute head injury, Powe J; Thompson T; Maguire C, Radiology 1988; 167: 581
- changes in cerebral perfusion after acute head injury: reply, Abdel-Dayem HM, Radiology 1988; 167: 582
- cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances, Lumsden AB; Alspaugh JP, Radiology 1986; 158: 856
- cholangiocarcinoma complicating primary sclerosing cholangitis: cholangiographic appearances: reply, MacCarty RL, Radiology 1986; 158: 856
- color Doppler analysis of penile arteries in impotence, Krut RH; Giesbers AAGM, Radiology 1988; 169: 283
- comments on calf hematoma mimicking thrombophlebitis, Bettmann MA, Radiology 1986; 160: 567
- complications due to inadvertent tracheobronchial placement of feeding tubes, Ghahremani GC, Radiology 1988; 167: 875
- complications due to inadvertent tracheobronchial placement of feeding tubes: reply, Woodall BH; Winfield DF; Bisset GS III, Radiology 1988; 167: 876
- complications due to inadvertent tracheobronchial placement of feeding tubes: reply, Wheeler PS, Radiology 1988; 167: 877
- complications of transluminal angioplasty, McDermott JC; Crummy AB; Voegeli DR; Starck EE, Radiology 1987; 162: 286
- complications of transluminal angioplasty: reply, Gardiner GA Jr; Meyerovitz MF; Harrington DP, Radiology 1987; 162: 287
- congenital heart disease: gated MR imaging in 72 patients, Julsrud PR, Radiology 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D, Radiology 1986; 161: 278
- congenitally corrected transposition in the adult: detection by radionuclide angiocardiology, Daves ML; Pryor RJ; Bowles CR, Radiology 1986; 160: 854
- congenitally corrected transposition in the adult: detection by radionuclide angiocardiology: reply, Guit GL; Kroon HM; Chin JG; Fauwels EK; van Voorthuisen AE, Radiology 1986; 160: 854
- contrast venography of the leg: diagnosis efficacy, tolerance, and complication rates with ionic and nonionic contrast media, Hüpscher DN, Radiology 1988; 168: 878
- contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media: reply, Bettmann MA, Radiology 1988; 168: 878
- controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall, Wills JS; Oglesby JT, Radiology 1986; 160: 278
- controlled percutaneous gastrostomy: nylon T-fastener for fixation of the anterior gastric wall: reply, Brown AS; Mueller PR, Radiology 1986; 160: 278
- CT of the brain is alive and well, Hyman RA; Gorey MT; Nuskund RL; Black KS, Radiology 1988; 167: 877
- CT of the brain is alive and well: reply, Brant-Zawadzki M, Radiology 1988; 167: 878
- current status of lumbar diskography, Shapiro R, Radiology 1986; 159: 815
- current status of lumbar diskography, Shapter AE, Radiology 1986; 161: 853
- current status of lumbar diskography: reply, Shapiro R, Radiology 1986; 161: 853
- destructive noninfectious spondyloarthropathy in hemodialysis patients, Varga J; Fenves A, Radiology 1987; 164: 584
- destructive noninfectious spondyloarthropathy in hemodialysis patients: reply, Kaplan PA; Resnick D, Radiology 1987; 164: 585
- difficult mammographic needle localizations: use of alternate orthogonal projections, Yagan R; Wiesen E; Bellon EM, Radiology 1987; 163: 829
- difficult mammographic needle localizations: use of alternate orthogonal projections: reply, Vyborny CJ; Merrill TN; Geurkink RE, Radiology 1987; 163: 830
- distance-weighted backprojection: SPECT reconstruction technique, Bice AN; Clausen M; Loncaric S; Zeeberg B; Wagner HN Jr, Radiology 1986; 161: 852
- distance-weighted backprojection: SPECT reconstruction technique: reply, Eisner RL; Fajman WA; Nowak DJ, Radiology 1986; 161: 852
- distribution of iodized oil within the liver after hepatic arterial injection, Park CH; Thakur ML; Madsen MT, Radiology 1987; 164: 585
- distribution of iodized oil within the liver after hepatic arterial injection: reply, Miller DL; Giron ME; O'Leary TJ, Radiology 1987; 164: 586
- don't discard diskography, Bernard TN Jr, Radiology 1987; 162: 285
- double cortical line in the acetabular roof: a sign of disuse osteoporosis, Watt JH, Radiology 1988; 167: 873
- double cortical line in the acetabular roof: a sign of disuse osteoporosis: reply, Yagan R; Radovoyevitch MA; Khan MA, Radiology 1988; 167: 873
- drainage of pelvic abscesses through the greater sciatic foramen, Jaques PF; Mauro MA, Radiology 1986; 160: 278
- drainage of pelvic abscesses through the greater sciatic foramen: reply, Butch RJ; Mueller PR; Ferrucci JT Jr, Radiology 1986; 160: 279
- efficacy of embolic occlusion of needle tracks after biopsy, Hall FM; Simon M, Radiology 1988; 168: 581
- efficacy of embolic occlusion of needle tracks after biopsy: reply, Chuang VP; Alspaugh JP, Radiology 1988; 168: 582
- equipment choices for mammography, Wolfe JN, Radiology 1988; 166: 903
- equipment choices for mammography: reply, de Paredes ES; Hartwell GD; Frazier AB; Scheer C, Radiology 1988; 166: 904
- esophageal speech: double-contrast evaluation of the pharyngo-esophageal segment, Timmons JH; Howard WH; Wright HR Jr, Radiology 1986; 160: 852
- expanding spectrum of pulmonary disease caused by nontuberculous mycobacteria, Rubinstein I, Radiology 1986; 159: 815
- experimental investigations of the Hexabrix-papaverine interaction, McGill JE; Rysavy JA; Frick MP, Radiology 1988; 166: 577
- extracorporeal shockwave lithotripsy: role of the radiologist, Bush WH; Gibbons RP, Radiology 1986; 158: 855
- extracorporeal shockwave lithotripsy: role of the radiologist: reply, Barth KH; Fahra J; Elliott LP, Radiology 1986; 158: 855
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures, Redmond PL; Kumpe DA, Radiology 1987; 164: 284
- fentanyl and diazepam for analgesia and sedation during radiologic special procedures: reply, Miller DL, Radiology 1987; 164: 284
- fentanyl and midazolam: an alternative to diazepam, Ayre-Smith G, Radiology 1987; 164: 285
- flow velocity in cerebral arteries in the newborn, van Bel F, Radiology 1988; 166: 904
- flow velocity in cerebral arteries in the newborn: reply, Grant E, Radiology 1988; 166: 905
- focal hepatic mass screening: MR imaging or CT scanning?, Slizofski WJ, Radiology 1987; 163: 830
- follow-up chest radiographs in Vietnam veterans: are they useful?, Winkler SS, Radiology 1987; 163: 583
- follow-up chest radiographs in Vietnam veterans: are they useful?: reply, Pollei SR; Mettler FA Jr, Radiology 1987; 163: 583
- galactocoele: three distinctive radiographic appearances, Hall FM, Radiology 1986; 160: 852
- galactocoele: three distinctive radiographic appearances: reply, Gomez A; Mata JM; Donoso L; Rams A, Radiology 1986; 160: 853
- gastric ulcer localization by direct in vivo labeling of sucralate, Tietze P; Gratz KF; Hundeshagen H, Radiology 1986; 161: 569
- gastric ulcer localization by direct in vivo labeling of sucralate: reply, Sewers RH, Radiology 1986; 161: 569
- given dose, Agard ET, Radiology 1988; 169: 581
- Greenfield filter placement with the extralong sheath technique, Zeit RM, Radiology 1987; 165: 583
- hepatic echinococcal cyst: successful percutaneous drainage, Morris DL, Radiology 1986; 159: 567
- hepatic echinococcal cyst: successful percutaneous drainage: reply, Mueller PR, Radiology 1986; 159: 567
- hepatic metastasis detection: comparison of three CT contrast enhancement methods, Matsui O, Radiology 1988; 168: 283
- hepatic metastasis detection: comparison of three CT contrast enhancement methods: reply, Miller DL, Radiology 1988; 168: 284
- high-resolution MR imaging of abnormal parathyroid glands, Sandler MP, Radiology 1988; 166: 582
- high-resolution MR imaging of abnormal parathyroid glands: reply, Spritzer CE, Radiology 1988; 166: 582
- hyoid bone elevation: sign of tracheal transection, Fisher MS, Radiology 1986; 158: 564
- hyoid bone elevation: sign of tracheal transection: reply, Resnick D; Polansky AD, Radiology 1986; 158: 564
- hypotensive shock associated with bradycardia after intravenous injection of contrast medium, Katzberg RW; Morris TW, Radiology 1987; 165: 877
- hypovolemic shock in children, Kaufman RA; Stalker HP, Radiology 1988; 166: 579
- In-111-labeled white blood cell uptake in noninfected closed fracture, Siddiqui AR, Radiology 1988; 169: 579
- In-111-labeled white blood cell uptake in noninfected closed fracture: reply, Van Nostrand D, Radiology 1988; 169: 580
- inadvertent pulmonary placement of feeding tubes, Gelfand DW; Ott DJ, Radiology 1988; 167: 283
- inadvertent tracheobronchial placement of feeding tubes, Miller WT, Radiology 1988; 167: 875
- inadvertent tracheobronchial placement of feeding tubes, Zeiss J; Woldenberg LS, Radiology 1988; 169: 874

- indium-111 labeled leukocyte uptake: false-positive results in noninfected pseudoneurysms, Bauman JM; Landry AJ; Cawthon MA; Hartshorne MF, Radiology 1986; 161: 570
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications, LeMaitre GD, Radiology 1987; 163: 583
- in situ saphenous vein bypass grafts: angiographic evaluation and interventional repair of complications: reply, Kinnison ML; Perler BA, Radiology 1987; 163: 584
- integrated imaging of hepatic tumors in childhood, Neuenschwander S; Couanet D; Montagne JP, Radiology 1986; 158: 278
- integrated imaging of hepatic tumors in childhood: reply, Miller JH; Greenspan BS, Radiology 1986; 158: 278
- intermittent hydronephrosis: unique feature of ureteropelvic junction obstruction caused by a crossing renal vessel, Evison G, Radiology 1986; 159: 283
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Milne ENC; Cyrlak D, Radiology 1987; 164: 286
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply, Panicek DM; Heitzman ER; Ewing DK; Markarian B, Radiology 1987; 164: 286
- intracranial hematomas: imaging by high-field MR, Zimmerman RD; Deck MDF, Radiology 1986; 159: 565
- intracranial hematomas: imaging by high-field MR: reply, Gomori JM; Grossman RI, Radiology 1986; 159: 566
- iodine-131-labeled Lipiodol retention within hepatic cavernous hemangioma, Park CH; Suh JH; Yoo HS; Lee JT; Kim DI; Lee KS, Radiology 1987; 163: 283
- ischemic colitis: serial changes in double-contrast barium enema examination, Reeders JWAJ; Tytgat GNJ, Radiology 1987; 162: 583
- localization grid for MR-guided biopsy, Widder DJ, Radiology 1988; 166: 581
- localization of parathyroid adenomas in patients who have undergone surgery, Winzelberg GG; Hydovitz JD, Radiology 1987; 163: 828
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries, Koppensteiner R; Minar E; Ahmadi R; Jung M; Ehringer H, Radiology 1988; 168: 877
- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries: reply, Risius B, Radiology 1988; 168: 877
- lumbar diskography, Scullin DR, Radiology 1987; 162: 284
- lumbar diskography, Milette PC; Melanson D, Radiology 1987; 163: 828
- lung cancer risk from indoor exposure to radon daughters, Smith H, Radiology 1988; 167: 580
- magnetic resonance imaging of prosthetic heart valves, Soulen RL, Radiology 1986; 158: 279
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Wolochow MS, Radiology 1987; 162: 879
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display: reply, Smathers RL, Radiology 1987; 162: 879
- mammographic screening: how to operate successfully at low cost, Evens RG, Radiology 1986; 161: 850
- mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, Radiology 1986; 161: 850
- mammographic screening: how to operate successfully at low cost, Hall FM, Radiology 1986; 161: 851
- mammographic screening: how to operate successfully at low cost: reply, Sickles EA; Weber WN; Galvin HB; Ominsky SH; Sollitto RA, Radiology 1986; 161: 851
- mammography in women under age 30: is there clinical benefit?, Hall FM, Radiology 1987; 162: 582
- meniscal tears: pathologic correlation with MR imaging, Quinn SF; Muus C; Sara A; Estrada J; Walling A, Radiology 1988; 166: 580
- meniscal tears: pathologic correlation with MR imaging: reply, Stoller DW, Radiology 1988; 166: 580
- modified technique for duodenal intubation, Jeffrey RB Jr, Radiology 1988; 169: 873
- morbid obesity treated by gastroplasty: radionuclide gastric emptying studies, Drane WE, Radiology 1986; 159: 816
- morbid obesity treated by gastroplasty: radionuclide gastric emptying studies: reply, Arnstein NB; Shapiro B, Radiology 1986; 159: 816
- MR detection of liver metastases, Reing JW; Dwyer AJ; Miller DL; Frank JA; Doppman JL, Radiology 1987; 163: 582
- MR imaging findings in the posterior pituitary gland, Fujisawa I; Asato R, Radiology 1988; 168: 282
- MR imaging findings in the posterior pituitary gland: reply, Colombo N; Berry I; Kucharczyk J; Kucharczyk W, Radiology 1988; 168: 282
- MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, Radiology 1988; 169: 281
- MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, Radiology 1988; 169: 282
- multiphasic examinations of the stomach, Op den Orth JO, Radiology 1987; 165: 583
- multiphasic examinations of the stomach: reply, Gelfand DW; Ott DJ; Chen YM, Radiology 1987; 165: 584
- musculoskeletal infection of the extremities: evaluation with MR imaging, Scott JA; Palmer EL, Radiology 1988; 168: 284
- musculoskeletal infection of the extremities: evaluation with MR imaging: reply, Tang JSH; Gold RH; Bassett LW; Seeger LL, Radiology 1988; 168: 284
- needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls, Yagan R, Radiology 1987; 163: 284
- needle localization of occult breast lesions with a curved-end retractable wire: techniques and pitfalls: reply, Homer MJ; Pile-Spellman ER, Radiology 1987; 163: 284
- nondilated obstructive uropathy, Goldfarb CR; Ongseng F; Chokshi V, Radiology 1987; 162: 879
- nondilated obstructive uropathy: reply, Naidich JB; Rackson ME; Stein HL; Mossey RT, Radiology 1987; 162: 879
- noninvasive bone densitometry: the need for cooperation and respect in research, Sartoris DJ, Radiology 1988; 166: 902
- nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis, Hall FM, Radiology 1988; 167: 284
- nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis: reply, Hermann G; Janus C; Rabinowitz JG; Schwartz IS, Radiology 1988; 167: 285
- nonpalpable breast lesions: accuracy of prebiopsy mammographic diagnosis: reply, Moskowitz M, Radiology 1988; 167: 285
- nonpalpable lesions detected with mammography, Freundlich IM, Radiology 1988; 167: 281
- nonpalpable lesions detected with mammography: reply, Ciatto S, Radiology 1988; 167: 281
- noninvasive repositioning of central venous catheters, Hartnell GG; Wilde PH, Radiology 1988; 168: 581
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry, Richter JE; Wu WC; Ott DJ; Chen YM, Radiology 1987; 164: 877
- "nutcracker" esophagus: diagnosis with radionuclide esophageal scintigraphy versus manometry: reply, Drane WE, Radiology 1987; 164: 877
- occult cerebral vascular malformations: high-field MR imaging, Kucharczyk W; Brant-Zawadzki M, Radiology 1986; 161: 278
- occult cerebral vascular malformations: high-field MR imaging: reply, Gomori JM; Grossman RI, Radiology 1986; 161: 278
- ode on an MR machine: to the patient beware!, Hartley BS, Radiology 1988; 168: 582
- osmolality and ionicity: confusion in terminology applied to contrast media, De Bono GG, Radiology 1988; 168: 281
- osmolality and ionicity: confusion in terminology applied to contrast media: reply, Sovak M; Robertson HJF, Radiology 1988; 168: 281
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Bohrer SP, Radiology 1986; 161: 277
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation: reply, Schulz EE, Radiology 1986; 161: 277
- percutaneous insertion of the Kimray-Greenfield filter, Braun SD, Radiology 1988; 167: 283
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Daniell SJN; Dacie JE, Radiology 1988; 169: 280
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts: reply, Ingram TL; Reid SH; Cho S-R; Tisnado J, Radiology 1988; 169: 280
- perioperative US, Hall FM; McCordle CR, Radiology 1988; 168: 286
- peripheral low-density area of hepatic tumors: CT-pathologic correlation, Itai Y, Radiology 1987; 162: 876
- peripheral low-density area of hepatic tumors: CT-pathologic correlation: reply, Muramatsu Y, Radiology 1987; 162: 876
- pharmacologic agents in gastrointestinal radiology, Hall FM, Radiology 1987; 165: 289
- pharmacologic treatment of contrast media reactions, Addlestone RB; Roach AC, Radiology 1987; 165: 876
- pharmacologic treatment of contrast media reactions: reply, Neff CC; Pfister RC, Radiology 1987; 165: 876
- potential hazards from movable radiographic tables, Brateman L, Radiology 1987; 165: 878
- potential radiation hazards to personnel during dynamic CT, Kaczmarek RG; Bednarek DR; Wong R; Kaczmarek RV; Rudin S; Alker G, Radiology 1986; 161: 853
- preoperative chest radiography, Mann H, Radiology 1988; 167: 282
- preoperative chest radiography: reply, Mendelson DS; Rabinowitz JG, Radiology 1988; 167: 282
- prognostic value of CT in acute pancreatitis: is the early CT examination indicated?, Balthazar EJ, Radiology 1987; 162: 876
- pulmonary arteriography: comparison of cough stimulation effects of diazotrate and ioxaglate, Seyferth W; Zeitler E, Radiology 1987; 164: 875
- pulmonary arteriography: comparison of cough stimulation effects of diazotrate and ioxaglate: reply, Smith DC; Maloney MD, Radiology 1987; 164: 875
- pulmonary asbestosis: CT study of subpleural curvilinear shadow, Pilate I; Marcellis S; Timmerman H; Beckman P; Osteaux MJC, Radiology 1987; 164: 584
- pulmonary hamartoma: CT findings, Rubinstein I; Hoffstein V, Radiology 1987; 162: 878
- pulmonary hamartoma: CT findings: reply, Siegelman SS; Khouri NF; Scott WW Jr; Leo FF; Hamper UM; Fishman EK; Zerhouni EA, Radiology 1987; 162: 878
- pulmonary metastatic disease: radiologic-surgical correlation, Goodman LR, Radiology 1988; 167: 284
- pulmonary metastatic disease: radiologic-surgical correlation: reply, Libshitz HL, Radiology 1988; 167: 284
- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study, Littleton JT, Radiology 1987; 162: 288
- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study: reply, Chasen MH; McCarthy MJ, Radiology 1987; 162: 288
- radiographic evaluation of Blom-Singer prosthesis, Vincent ME; Robbins AH, Radiology 1987; 162: 289
- radiologist's role in treating reactions to contrast media, Gold RP, Radiology 1988; 169: 875
- radiologist's role in treating reactions to contrast media: reply, vanSonnenberg E; Neff CC; Pfister RC, Radiology 1988; 169: 876

radiologists' roles in mammography, Gulino LA; Tirone GM; Clarke PC, *Radiology* 1988; 169: 873

radiologists' roles in mammography: reply, Logan WW, *Radiology* 1988; 169: 873

radiology department management system: technologists' costs, Janower ML, *Radiology* 1986; 159: 566

radiology department management system: technologists' costs: reply, McNeil BJ, *Radiology* 1986; 159: 566

renal trauma: radiological studies, Saibil EA, *Radiology* 1986; 158: 563

renal trauma: radiological studies, Kotval PS; Weingarten M, *Radiology* 1986; 158: 563

renal trauma: radiological studies: reply, Lang EK, *Radiology* 1986; 158: 564

rights, roles, and relationships in radiology, Jackson FI, *Radiology* 1987; 163: 288

rights, roles, and relationships in radiology, Hopper KD, *Radiology* 1987; 165: 288

rights, roles, and relationships in radiology, Logan WW, *Radiology* 1988; 167: 580

rights, roles, and relationships in radiology: reply, Schreiber MH; Winslade WJ, *Radiology* 1987; 165: 289

role of diskography in the 1980s, Errico TJ, *Radiology* 1987; 162: 285

scimitar syndrome: four new cases examined with CT, Felson B, *Radiology* 1987; 162: 581

scimitar syndrome: four new cases examined with CT: reply, Godwin JD; Tarver RD, *Radiology* 1987; 162: 581

screening for postmenopausal osteoporosis, Korpi CT, *Radiology* 1988; 167: 873

screening for postmenopausal osteoporosis: reply, Meema HE; Meema S, *Radiology* 1988; 167: 873

serpentine (not serpiginous) vessels in spinal arteriovenous malformations, Di Chiro G, *Radiology* 1988; 166: 286

serpentine (not serpiginous) vessels in spinal arteriovenous malformations: reply, Arnold RE, *Radiology* 1988; 166: 286

sheath needle for liver biopsy, Irving HC, *Radiology* 1988; 168: 879

single- versus double-contrast barium studies in elderly patients, Millward S, *Radiology* 1988; 166: 578

single- versus double-contrast barium studies in elderly patients: reply, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1988; 166: 578

small renal neoplasms: diagnostic imaging, pathologic features, and clinical course, Levine E, *Radiology* 1986; 159: 817

small renal neoplasms: diagnostic imaging, pathologic features, and clinical course: reply, Curry NS; Schabel SI; Betsill WL Jr, *Radiology* 1986; 159: 817

spontaneous resolution of gallstones in infants: role of hypocaloric oral feeding, Math MV, *Radiology* 1988; 169: 283

stab wounds to the extremities: indications for angiography, Quinn MF; Lundell CJ, *Radiology* 1987; 165: 291

stab wounds to the extremities: indications for angiography: reply, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, *Radiology* 1987; 165: 291

suprapancreatic biliary obstruction: CT evaluation, Gibson RN, *Radiology* 1987; 165: 875

suprapancreatic biliary obstruction: CT evaluation: reply, Balfe DM; Reiman TH; Weyman PJ, *Radiology* 1987; 165: 875

symmetry of hip bone mineral density, Shukla SS, *Radiology* 1988; 169: 873

technical quality of mammography in centers participating in a regional breast cancer awareness program, Gray JE, *Radiographics* 1988; 8: 823

technical quality of mammography in centers participating in a regional breast cancer awareness program: reply, Galkin BM, *Radiographics* 1988; 8: 823

thoracic disk herniation: MR imaging, Williams MP; Cherryman GR, *Radiology* 1988; 167: 874

thoracic disk herniation: MR imaging: reply, Ross JS, *Radiology* 1988; 167: 875

threatened abortion: sonographic distinction of normal and abnormal gestation sacs, Cadkin AV; McAlpin J, *Radiology* 1986; 160: 567

threatened abortion: sonographic distinction of normal and abnormal gestation sacs: reply, Nyberg DA; Laing FC; Filly RA, *Radiology* 1986; 160: 567

thyroid gland with low uptake lesions: evaluation by ultrasound, Schober O; Schwarzrock R, *Radiology* 1986; 158: 277

thyroid gland with low uptake lesions: evaluation by ultrasound: reply, Solbiati L; Volterrani L; Rizzatto G; Bazzocchi M; Busilacchi P; Candiani F; Ferrari F; Giuseppetti G; Maresca G; Mirk P; Rubaltelli L; Zappasodi F, *Radiology* 1986; 158: 277

to whom should we give the safer contrast media?, Black WC, *Radiology* 1987; 163: 831

to whom should we give the safer contrast media?: reply, McLennan BL, *Radiology* 1987; 163: 831

trabecular bone mineral density measurement in vivo, Lilliecrap S; Scott J, *Radiology* 1988; 166: 283

trabecular bone mineral density measurement in vivo: reply, Shukla SS; Craven JD; Greenfield MA, *Radiology* 1988; 166: 283

transcatheter embolization in the management of pulmonary hemorrhage, Vujic I, *Radiology* 1987; 164: 879

trans thoracic needle aspiration biopsy: evaluation of the blood patch technique, Surprenant EL, *Radiology* 1988; 168: 285

trans thoracic needle aspiration biopsy: evaluation of the blood patch technique: reply, Shepard JO; McClood TC, *Radiology* 1988; 168: 285

treatment of avascular necrosis of the femoral head, Hall FM, *Radiology* 1987; 165: 876

treatment of avascular necrosis of the femoral head: reply, Markisz JA; Altschek DW, *Radiology* 1987; 165: 877

ultrasonography in evaluation of lymph nodes of the neck: reply, Som PM, *Radiology* 1988; 167: 877

ultrasonography in evaluation of lymph nodes of the neck, Jackson FI, *Radiology* 1988; 167: 877

ultrasound examination of the hand, Fornage BD; Rifkin MD, *Radiology* 1986; 160: 853

upper abdomen: CT findings following partial hepatectomy, Quinn SF; Bodne DJ; Clark RA; Karl RC; Nicotia SV, *Radiology* 1988; 168: 879

upper abdomen: CT findings following partial hepatectomy: reply, Letourneau JG; Stealy JW; Crass JR; Goldberg ME; Grage TB; Day DL, *Radiology* 1988; 168: 880

use of contrast media in patients with hypovolemic shock, Schiffer MS, *Radiology* 1988; 166: 579

use of contrast media in patients with hypovolemic shock: reply, Taylor GA; Eichelberger MR, *Radiology* 1988; 166: 579

use of CT in acute trauma victims, Young JWR; Burgess AR, *Radiology* 1988; 166: 903

use of CT in acute trauma victims: reply, McCort JJ, *Radiology* 1988; 166: 903

use of fentanyl and diazepam for special procedures, Neff CC, *Radiology* 1988; 166: 581

use of fentanyl and diazepam for special procedures: reply, Miller DL; Wall RT, *Radiology* 1988; 166: 581

use of glucagon and gas-forming agents in acute esophageal food impaction, Smith JC; Janower ML; Geiger AH, *Radiology* 1986; 159: 567

US-guided aspiration biopsy of the breast, Hall FM, *Radiology* 1987; 164: 285

voice-activated radiology reports, Denshaw DD, *Radiology* 1988; 167: 284

voice recognition system, Hansen GC; Falkenbach KH; Yaghai M, *Radiology* 1988; 169: 580

what is a useful adjunct to mammography?, Seltzer MH, *Radiology* 1987; 163: 584

what is a useful adjunct to mammography?: reply, Kopans DB, *Radiology* 1987; 163: 585

wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, *Radiology* 1988; 169: 578

wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, *Radiology* 1988; 169: 579

white-matter lesions in MR imaging of elderly subjects, Challa VR; Moody DM, *Radiology* 1987; 164: 874

white-matter lesions in MR imaging of elderly subjects: reply, Kirkpatrick JB; Hayman LA, *Radiology* 1987; 164: 874

Leukemia

bone marrow in leukemia and aplastic anemia: MR imaging before, during, and after treatment, McKinstry CS; Steiner RE; Young AT; Jones L; Swirsky D; Aber V, *Radiology* 1987; 162: 701

case report 349, Monsees B; Destouet JM; Totty WG; et al, *Skeletal Radiol* 1986; 15: 154

case report 410, Peterson C; Kaplan PA; Lorenzen KM, *Skeletal Radiol* 1987; 16: 82

case report 429, Aoki J; Yamamoto I; Hino M; et al, *Skeletal Radiol* 1987; 16: 412

cribriform plate: sanctuary site for meningeal leukaemia, Williams MV, *Br J Radiol* 1987; 60: 469

CT myelography of subarachnoid leukemia infiltration of the lumbar thecal sac and lumbar nerve roots, McAllister MD; O'Leary DH, *AJNR* 1987; 8: 568

echocardiographic evidence of mediastinal lymph node enlargement in T-acute lymphoblastic leukemia with acute pericarditis, Mancuso L; Bondi F; Iacona MA; et al, *JCU* 1986; 14: 296

human leukemia cell binding and killing by anti-CD5 radioimmunotoxins, Buchsbaum DJ; Nelson LA; Hanna DE; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1701

ICON: computer-based approach to differential diagnosis in radiology, Swett HA; Miller PL, *Radiology* 1987; 163: 555

intracerebral choroidomas: unusual computed tomography appearance of leukemic infiltration, Woo E; Yue CP; Mann KS; et al, *CT* 1986; 10: 365

magnetic resonance imaging of the bone marrow in patients with leukemia, aplastic anemia, and lymphoma, Olson DO; Shields AF; Scheurich CJ; et al, *Invest Radiol* 1986; 21: 540

osteolytic tumors in acute megakaryoblastic leukemia, (ab), Dharmasena F; Wickham N; McHugh PJ; et al, *Radiology* 1987; 163: 840

skeletal involvement in hairy cell leukemia, Herold CJ; Wittich GR; Schwarzwinger I; et al, *Skeletal Radiol* 1988; 17: 171

Leukemia, complications

analysis by the Carr-Purcell-Meiboom-Gill sequence of the influence of P388 leukemia and of cis-diamminedichloroplatinum(II) nephrotoxicity on water compartmentalization in kidneys and spleens of mice, François A; Van Gerven L; Atassi G; et al, *Magn Res Med* 1988; 7: 449

Brown sequard syndrome secondary to soft tissue infection in a patient with acute lymphocytic leukemia, Khordori N; McCredie K; Bodey GP, *Neuroradiol* 1988; 30: 348

CT findings in hepatosplenic and renal candidiasis, Shirkhoda A, *JCAT* 1987; 11: 795

fungal liver abscesses in acute leukemia—a report of two cases, Maxwell AJ; Mamtara H, *Clin Radiol* 1988; 39: 197

granulocytic sarcoma of the brain: case report and review of the literature, Barnett MJ; Zussman WV, *Radiology* 1986; 160: 223

massive acroosteolysis in adult T-cell leukemia/lymphoma, Austin CB; Young JWR; Park HJ; Needleman BW; Handwerker BS; Rosenbaum RC, *Radiology* 1987; 164: 787

pulmonary leukostasis: radiologic-pathologic study, van Buchem MA; Wondergem JH; Schultze Kool LJ; te Velde J; Kluijn PM; Bode PJ; Busscher DLT, *Radiology* 1987; 165: 739

unusual presentation of opportunistic infections in patients with leukemia: identification of fungal lesions by ultrasound, King DJ; Bayliss AP; Bennett B; et al, *JCU* 1987; 15: 486

Leukemia, in infants and children

absence of white matter changes on magnetic resonance imaging in children treated with CNS prophylaxis therapy for leukemia, (ab), Kramer JH; Norman D; Brant-Zawadzki M; et al, *Radiology* 1988; 169: 295

bone marrow in children with acute lymphocytic leukemia: MR relaxation times, Moore SG; Gooding CA; Brasch RC; Eham RL; Ringertz HG; Ablin AR; Matthay KK; Zoger S, *Radiology* 1986; 160: 237

- bone marrow magnetic resonance studies in childhood leukemia: evaluation of osteonecrosis, (ab), Pieters R; van Breukel AJ; Veerman AJF; et al, *Radiology* 1988; 168: 592
- central nervous system (CNS) prophylaxis in children with low risk acute lymphoblastic leukemia (ALL), Littman P; Coccia P; Bleyer WA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1443
- central nervous system prophylaxis in childhood acute lymphoblastic leukaemia: CT brain appearance after 3 years continuous complete remission in 36 Malaysian children, Nuruddin RN; Daud AB; Lin H-P; *Australas Radiol* 1988; 32: 44
- clinical, haematological, and radiological features in T-cell lymphoblastic malignancy in childhood, Mitchell CD; Gordon I; Chessells JM, *Clin Radiol* 1986; 37: 257
- diagnosis of leukemic relapse in the pelvic soft tissues of juvenile females, Shirkhoda A; Eftekhari F; Frankel LS; et al, *JCU* 1986; 14: 191
- intermittent central nervous system irradiation and intrathecal chemotherapy for central nervous system leukemia in children, Kim TH; Ramsay NK; Steeves RA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1451
- nuclear magnetic resonance imaging of bone marrow in childhood leukaemia, Van Zanten TEG; Golding RP; Taets Van Amerongen AHM; et al, *Clin Radiol* 1988; 39: 77
- orthopaedic manifestations of leukemia in children, (ab), Rogalsky RJ; Black GB; Reed MH, *Radiology* 1986; 161: 287
- tissue characterization of the testes using ultrasonic CT: work in progress, Bland PH; DiPietro MA; Chenevert TL; Hutchinson RJ; Carson PL, *Radiology* 1986; 159: 101
- transient opacification of the urinary pathways by amorphous debris in children with leukemia, Alton DJ; Gu L; et al, *Pediatr Radiol* 1988; 18: 362
- typhlitis in acute childhood leukaemia: radiological features, McNamara MJ; Chalmers AG; Morgan M; et al, *Clin Radiol* 1986; 37: 83
- Leukemia, lymphocytic**
- bone marrow in children with acute lymphocytic leukemia: MR relaxation times, Moore SG; Gooding CA; Brasch RC; Eham RL; Ringertz HG; Ablin AR; Matthay KK; Zoger S, *Radiology* 1986; 160: 237
- Brown sequard syndrome secondary to soft tissue infection in a patient with acute lymphocytic leukemia, Khardori N; McCredie K; Bodey GP, *Neuroradiol* 1988; 30: 348
- CT manifestations of Richter syndrome, Cohen LM; Hill MC; Siegel RS; et al, *JCAT* 1987; 11: 1007
- diagnosis of leukemic relapse in the pelvic soft tissues of juvenile females, Shirkhoda A; Eftekhari F; Frankel LS; et al, *JCU* 1986; 14: 191
- extramedullary hematopoiesis in acute lymphocytic leukemia masquerading as hepatic, renal, and splenic microabscesses, Kopecky KK; Moriarty AT; Antony AC; et al, *AJR* 1986; 147: 846
- ultrasonic evaluation of the scrotum in lymphoproliferative disease, Phillips G; Kumari-Subaiya S; Sawitsky A, *J Ultrasound Med* 1987; 6: 169
- Leukemia, myelogenous**
- avascular bone necrosis in an untreated case of chronic myelogenous leukemia, Salimi Z; Vas W; Sundaram M, *Skeletal Radiol* 1988; 17: 353
- chloroma of cerebellum, tentorium and occipital bone in acute myelogenous leukemia, Wang A-M; Lin JCT; Power TC; et al, *Neuroradiol* 1987; 29: 590
- technetium-99m red blood cell blood-pool imaging in functional aplenia due to leukemic infiltration, Yoo JHK; Orzel JA; Bagnall JW; et al, *Clin Nucl Med* 1986; 11: 493
- three-phase bone scanning in chronic myelogenous leukemia, Ginsberg HN; Swayne LC, *Clin Nucl Med* 1987; 12: 823
- ultrasonic evaluation of the scrotum in lymphoproliferative disease, Phillips G; Kumari-Subaiya S; Sawitsky A, *J Ultrasound Med* 1987; 6: 169
- Leukemia, therapeutic radiology**
- implications of in-vitro radiation-survival curves for the optimal scheduling of total-body irradiation with bone marrow rescue in the treatment of leukaemia, O'Donoghue JA; Wheldon TE; Gregor A, *Br J Radiol* 1987; 60: 279
- influence of prior total body irradiation on the tissue distribution of mouse lymphoma/leukemia, Cobb LM; Butler SA, *Int J Radiat Oncol Biol Phys* 1986; 12: 83
- radiation treatment of testicular relapse in acute lymphoblastic leukemia, Tombolini V; Banelli E; Capua A; et al, *Acta Oncol* 1986; 25: 29
- Leukemia, therapy**
- bone marrow transplantation for acute leukemia, Weisdorf DJ, *Invest Radiol* 1987; 22: 839
- potentiation of nitrogen mustard cytotoxicity to leukemia cells by sulfur-containing compounds administered *in vivo*, Valeriote F; Grates HE, *Int J Radiat Oncol Biol Phys* 1986; 12: 1165
- Leukocytes**
- accumulation of indium-111-labeled granulocytes in malignant tumors, Schmidt KG; Rasmussen JW; Wedebjerg IM; et al, *J Nucl Med* 1988; 29: 479
- advantage of indium-111 leukocytes over ultrasound in imaging an infected renal cyst, Fortner A; Taylor A Jr; Alazraki NP; et al, *J Nucl Med* 1986; 27: 1147
- appearance of hyperostosis frontalis interna on indium-111 leukocyte scans: potential diagnostic pitfall, Floyd JL; Jackson DE Jr; Carretta R, *J Nucl Med* 1986; 27: 495
- cause and significance of cold bone defects on indium-111-labeled leukocyte imaging, Datz FL; Thorne DA, *J Nucl Med* 1987; 28: 820
- clinical comparison of indium-111 acetylacetone and indium-111 tropolone granulocytes, Schauwecker DS; Burt RW; Park H-M; et al, *J Nucl Med* 1986; 27: 1675
- colonic localization of indium-111 labeled leukocytes in active Behcet's disease, Harre RG; Conrad GR; Seabold JE, *Clin Nucl Med* 1988; 13: 459
- comparison of leukocytes labeled with indium-111-2-mercaptopyridine-N-oxide and indium-111 oxine for abscess detection, Intenzo CM; Desai AG; Thakur ML; et al, *J Nucl Med* 1987; 28: 438
- comparison of purified indium-111 granulocytes and indium-111 mixed leukocytes for imaging of infections, Schauwecker DS; Burt RW; Park H-M; et al, *J Nucl Med* 1988; 29: 23
- demonstration of a para-aortic hematoma with indium-111 labeled leukocytes after translumbar angiography, Urrutia EJ; Yushok TJ; Rolfe RJ; et al, *Clin Nucl Med* 1988; 13: 59
- donor indium-111 leukocyte scan in a nonleukopenic patient, Kolla IS; Kell M; Pettigrew R, *Clin Nucl Med* 1988; 13: 529
- effect of antibiotic therapy on the sensitivity of indium-111-labeled leukocyte scans, Datz FL; Thorne DA, *J Nucl Med* 1986; 27: 1849
- false-positive calvarial uptake of indium-111 leukocytes in a patient with hyperostosis frontalis interna, Paulson E; Datz FL, *Clin Nucl Med* 1988; 13: 68
- false-positive early indium-111 leukocyte scan, Lomena F; Abello R; Garcia A; et al, *Clin Nucl Med* 1987; 12: 391
- false-positive leukocyte imaging: case of colon carcinoma, Bauman JM; Hartshorne MF; Cawthon MA; et al, *Clin Nucl Med* 1986; 11: 211
- importance of radiolabelling human granulocytes with ¹¹¹In-tropolone or ¹¹¹In-2-mercaptopyridine-N-oxide in plasma containing acid-citrate-dextrose, Danpure HJ; Osman S, *Br J Radiol* 1986; 59: 907
- indium-111 labeled leukocyte imaging in the diagnosis and follow-up of malignant otitis externa, Mehr SH; Franze I; Faulk RM; et al, *Clin Nucl Med* 1988; 13: 212
- indium-111-labeled white blood cells: dosimetry in children, Gainey MA; Siegel JA; Smergel EM; et al, *J Nucl Med* 1988; 29: 689
- indium-111-labeled white blood cells in the detection of osteomyelitis complicated by a pre-existing condition, McCarthy K; Velchik MG; Alavi A; et al, *J Nucl Med* 1988; 29: 1015
- indium-111 leukocyte scintigraphy in Wegener's granulomatosis involving the spleen, Morayati SJ; Fink-Bennett D, *J Nucl Med* 1986; 27: 1864
- indium-111 leukocyte uptake in neoplasms, Balachandran S; Boyd CM; Husain MM; et al, *Clin Nucl Med* 1987; 12: 920
- indium 111 white blood cell scanning in the pediatric population, Williamson SL; Williamson MR; Seibert JJ; et al, *Pediatr Radiol* 1986; 16: 493
- inflammation: imaging with Tc-99m HMPAO-labeled leukocytes, Roddie ME; Peters AM; Darpure HJ; Osman S; Henderson BL; Lander JP; Carroll MJ; Neirinx RD; Kei JD, *Radiology* 1988; 166: 767
- in vivo* kinetics of canine leukocytes labeled with technetium-99m HM-PAO and indium-111 tropolone, Mock BH; Schauwecker DS; English D; et al, *J Nucl Med* 1988; 29: 1246
- leukocyte labeling with technetium-99m tin colloids, Mock BH; English D, *J Nucl Med* 1987; 28: 1471
- limitations in the use of indium-111-oxine-labeled leukocytes for the diagnosis of occult infection in children, Haentjens M; Piepsz A; Schell-Frederick E; et al, *Pediatr Radiol* 1987; 17: 139
- migratory patterns of different indium-111 labeled leukocyte populations (chiefly lymphocytes) from control and thymectomized rats, Garcia AM; Gagne GM; Ames IH; et al, *J Nucl Med* 1988; 29: 83
- misleading findings on indium-111 leukocyte images, Goodgold HM; Samuels LD, *Clin Nucl Med* 1986; 11: 392
- polymorphonuclear leukocytes labeled with technetium-99m HMPAO: a potential bone marrow imaging agent, Bennett JD; Dubau RA; Driedger AA; et al, *Clin Nucl Med* 1988; 13: 44
- potential use of indium-111-labeled polymorphonuclear leukocytes for the detection of lung microvascular injury, Das DK; Steinberg H; Bandyopadhyay D; et al, *J Nucl Med* 1988; 29: 657
- radiolabeled leukocytes and platelets, Datz FL, *Invest Radiol* 1986; 21: 191
- sensitivity of ¹¹¹In-granulocyte scintigraphy in various local infections, Syrtjäla MT; Liewendahl K; Valtanen V; et al, *Acta Radiol* 1987; 28: 549
- sharp bone marrow uptake of indium-111 leukocytes in a splenectomized patient with sclerosing cholangitis, Oates E; Sarno RC, *Clin Nucl Med* 1988; 13: 623
- submandibular uptake on indium-111 leukocyte scans in children, Williamson SL; Williamson MR; Seibert JJ; et al, *Clin Nucl Med* 1987; 12: 27
- three-phase white blood cell scan: diagnostic validity in abdominal inflammatory diseases, Becker W; Fischbach W; Reiners C; et al, *J Nucl Med* 1986; 27: 1109
- uptake of ¹¹¹In-labeled leukocytes by tumor, Fortner A; Datz FL; Taylor A Jr; et al, *AJR* 1986; 146: 621
- Leukoencephalopathy**
- See Brain, diseases
- Leukomalacia**
- diagnosis and outcome of subcortical cystic leukomalacia, (ab), Trounce JQ; Levene MI, *Radiology* 1986; 160: 288
- end-stage periventricular leukomalacia: MR evaluation, Baker LL; Stevenson DK; Enzmann DR, *Radiology* 1988; 168: 809
- focal necrosis of the white matter (periventricular leukomalacia): sonographic, pathologic, and electroencephalographic features, Bejar R; Coen RW; Merritt TA; et al, *AJNR* 1986; 7: 1073
- late onset cystic leukomalacia, (ab), De Vries LS; Regev R; Dubowitz LMS, *Radiology* 1986; 161: 864
- periventricular leukomalacia and neurodevelopmental outcome in preterm infants, (ab), Fawer CL; Diebold F; Calame A, *Radiology* 1988; 167: 592
- periventricular leukomalacia: evaluation with MR imaging, Wilson DA; Steiner RE, *Radiology* 1986; 160: 507

- periventricular leukomalacia in combination with intraventricular hemorrhage: sonographic features and sequelae, Grant EG, Schellinger D; Smith Y; et al, *AJNR* 1986; 7: 443
- periventricular leukomalacia: radiologic diagnosis, Flodmark O; Roland EH; Hill A; Whitfield MF, *Radiology* 1987; 162: 119
- reliability of sonography in non-hemorrhagic periventricular leukomalacia, Baarsma R; Laurini RN; Baerts W; et al, *Pediatr Radiol* 1987; 17: 189
- sonography of the premature brain: intracranial hemorrhage and periventricular leukomalacia, Grant EG, *Neuroradiol* 1986; 28: 476
- ### Ligaments, cruciate
- anterior cruciate ligament tears: MR imaging compared with arthroscopy and clinical tests, Lee JK; Yao L; Phelps CT; Wirth CR; Czajka J; Lozman J, *Radiology* 1988; 166: 861
- computed arthrography with multiplanar reformations and three-dimensional image analysis in the evaluation of the cruciate ligaments: preliminary investigation, Kursunoglu S; Pate D; Resnick D; et al, *J Canad Assoc Radiol* 1986; 37: 153
- knee arthrography, Freiburger RH; Pavlov H, *Radiology* 1988; 166: 489
- knee: surface-coil MR imaging at 1.5 T, Beltran J; Noto AM; Mosure JC; Weiss KL; Zuelzer WA; Christoforidis AJ, *Radiology* 1986; 159: 747
- stress examination of the cruciate ligaments: a radiologic Lachman test, Rijke AM; Tegtmeyer CJ; Weiland DJ; McCue FC III, *Radiology* 1987; 165: 867
- tears of the anterior cruciate ligament and menisci of the knee: MR imaging evaluation, Mink JH; Levy T; Crues JV III, *Radiology* 1988; 167: 769
- ### Ligaments, CT
- computed tomography of masses in periportal/hepatoduodenal ligament, Baker ME; Silverman PM; Halvorsen RA Jr; et al, *JCAT* 1987; 11: 258
- high resolution CT of the porta hepatis and hepatoduodenal ligament, Weinstein JB; Heiken JP; Lee JKT; DiSantis DJ; Balfe DM; Weyman PJ; Peterson RR, *Radiographics* 1986; 6: 55
- normal findings and pathological changes of the ligamentum patellae on CT, (ab), Lehner K; Reiser M; Biehl T, *Radiology* 1986; 158: 570
- ### Ligaments, hepatoduodenal
- See Ligaments, peritoneal
- ### Ligaments, injuries
- anterior cruciate ligament tears: MR imaging compared with arthroscopy and clinical tests, Lee JK; Yao L; Phelps CT; Wirth CR; Czajka J; Lozman J, *Radiology* 1988; 166: 861
- case report 335, de Carvalho A; Jurik AG; Illum F, *Skeletal Radiol* 1986; 15: 52
- CT demonstration of capsuloligamentous lesions of the knee joint, Passariello R; Trecco F; De Paulis F; et al, *JCAT* 1986; 10: 450
- knee ligament reconstruction: plain film analysis, Manaster BJ; Remley K; Newman AP; et al, *AJR* 1988; 150: 337
- patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries, Downey EF Jr; Curtis DJ, *Radiology* 1986; 158: 679
- radiological analysis of lateral ligament injuries of the ankle, Blanshard KS; Finlay DBL; Scott DJA; et al, *Clin Radiol* 1986; 37: 247
- stress examination of the cruciate ligaments: a radiologic Lachman test, Rijke AM; Tegtmeyer CJ; Weiland DJ; McCue FC III, *Radiology* 1987; 165: 867
- tears of the anterior cruciate ligament and menisci of the knee: MR imaging evaluation, Mink JH; Levy T; Crues JV III, *Radiology* 1988; 167: 769
- ### Ligaments, MR studies
- anterior cruciate ligament tears: MR imaging compared with arthroscopy and clinical tests, Lee JK; Yao L; Phelps CT; Wirth CR; Czajka J; Lozman J, *Radiology* 1988; 166: 861
- knee: surface-coil MR imaging at 1.5 T, Beltran J; Noto AM; Mosure JC; Weiss KL; Zuelzer WA; Christoforidis AJ, *Radiology* 1986; 159: 747
- ligamentum flavum: appearance on sagittal and coronal MR images, Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM, *Radiology* 1988; 168: 469
- tears of the anterior cruciate ligament and menisci of the knee: MR imaging evaluation, Mink JH; Levy T; Crues JV III, *Radiology* 1988; 167: 769
- ### Ligaments, peritoneal
- annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease, Meyers MA; Oliphant M; Berne AS; Feldberg MAM, *Radiology* 1987; 163: 593
- computed tomography of masses in periportal/hepatoduodenal ligament, Baker ME; Silverman PM; Halvorsen RA Jr; et al, *JCAT* 1987; 11: 258
- ultrasound study of adenopathies within the hepatoduodenal ligament: "rosebud" pattern, Weill FS; Costaz R; Racle A; et al, *Gastrointest Radiol* 1986; 11: 142
- ### Ligaments, pulmonary
- inferior pulmonary ligament lymphadenopathy: demonstration by computed tomography, Cross G; Woodring JH, *CT* 1987; 11: 303
- ### Ligaments, spinal
- ligamentum flavum: appearance on sagittal and coronal MR images, Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM, *Radiology* 1988; 168: 469
- posterior longitudinal ligament ossification myelopathy and hypothyroidism, Nichols JN; Tehranzadeh J; Vaccarino FP, *CT* 1987; 11: 61
- radiologic imaging of symptomatic ligamentum flavum thickening with and without ossification, Stollman A; Pinto R; Benjamin V; et al, *AJNR* 1987; 8: 991
- V-shaped predens space, (ab), Bohrer SP; Klein A; Martin W, *Radiology* 1986; 158: 570
- ### Ligaments, US studies
- ultrasound study of adenopathies within the hepatoduodenal ligament: "rosebud" pattern, Weill FS; Costaz R; Racle A; et al, *Gastrointest Radiol* 1986; 11: 142
- ### Linear accelerators
- dosimetric characteristics of a 6 MV photon beam from a linear accelerator with asymmetric collimator jaws, Palta JR; Ayyangar JM; Suntharalingam N, *Int J Radiat Oncol Biol Phys* 1988; 14: 383
- stereotactic percutaneous single dose irradiation of brain metastases with a linear accelerator, Sturm V; Kober B; Hoyer K-H; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 279
- system for stereotactic radiosurgery with a linear accelerator, Lutz W; Winston KR; Maleki N, *Int J Radiat Oncol Biol Phys* 1988; 14: 373
- ### Lipiodol
- See Contrast media, fatty acid
- ### Lipoblastoma
- CT appearance of cervical lipoblastoma, Black WC; Burke JW; Feldman PS; et al, *JCAT* 1986; 10: 696
- ### Lipodystrophy
- case report 381, Pazzaglia UE; Benazzo F; Castelli C; et al, *Skeletal Radiol* 1986; 15: 474
- case report 417, Sebrechts C; Garvey WT; Sartoris DJ; et al, *Skeletal Radiol* 1987; 16: 320
- ### Lipogranulomatosis
- case report 365, Freyschmidt J; Ostertag H; Lang W, *Skeletal Radiol* 1986; 15: 316
- case report: Erdheim-Chester disease: polyostotic sclerosing histiocytosis, Evans S; Williams F, *Clin Radiol* 1986; 37: 93
- Erdheim-Chester disease presenting as malignant exophthalmos, Rozenberg I; Wechsler J; Koenig F; et al, *Br J Radiol* 1986; 59: 173
- ### Lipoma and lipomatosis
- angiomyolipoma and renal cell carcinoma occurring in same kidney: CT evaluation, Ueda J; Kobayashi Y; Itoh H; et al, *JCAT* 1987; 11: 340
- angiomyolipoma of the liver: CT, MR, and ultrasound imaging, Fobbe F; Hamm B; Schwarting R, *JCAT* 1988; 12: 658
- angiomyolipomas in tuberous sclerosis: subselective embolotherapy with alcohol, with long-term follow-up study, Earthman WJ; Mazer MJ; Winfield AC, *Radiology* 1986; 160: 437
- atypical transverse thoracic lipoma: CT diagnosis, Buxton RC; Tan CS; Khine NM; et al, *JCAT* 1988; 12: 196
- benign chondrolipomatous tumour of the breast, Stark AM; Sunter JP, *Clin Radiol* 1988; 39: 328
- benign space-occupying conditions of the kidneys, Harrison RB; Dyer R, *Semin Roentgenol* 1987; 22: 275
- bone changes in diffuse congenital lipomatosis, Bollinger B, *Neuroradiol* 1987; 29: 104
- can mammography exclude cancer?, Kopans DB, *Radiology* 1988; 166: 286
- can mammography exclude cancer? reply, Hall FM, *Radiology* 1988; 166: 287
- case of the month: did he fall or was he pushed?, Hamilton-Wood C, *Br J Radiol* 1987; 60: 199
- case report 377, Hall FM; Cohen RB; Grumbach K, *Skeletal Radiol* 1986; 15: 401
- case report 478, Raby N; Vivian G, *Skeletal Radiol* 1988; 17: 216
- case report: angiomyolipoma of the liver, Blumgart RL; Payne M; Rhodes AH, *Clin Radiol* 1987; 38: 329
- combined arteriovenous malformation and intramedullary lipoma: surgery and embolotherapy, Rice JF; Jelmsa RK, *AJNR* 1986; 7: 171
- computed tomography in renal replacement lipomatosis, Kullendorff B; Nyman U; Aspelin P, *Acta Radiol* 1987; 28: 447
- computed tomography of a symptomatic infarcted thoracic lipoma, Geis JR; Russ PD; Adcock KA, *CT* 1988; 12: 54
- computed tomography of infiltrating benign lipoma, Varma DGK; Muchmore JH; Mizushima A, *CT* 1987; 11: 45
- computed tomography of intussusception due to colon lipoma, Hodgman CG; Lantz EJ; Maus TP; et al, *JCAT* 1987; 11: 740
- computed tomography of lipoma of corpus callosum and choroid plexus lipoma: report of two cases, Baxi TBS; Mathur RK; Doda SS, *CT* 1987; 11: 57
- computed tomography of renal angiomyolipoma presenting as right atrial mass, Rothenberg DM; Brandt TD; D'Cruz I, *JCAT* 1986; 10: 1054
- CT appearance of giant renal angiomyolipoma, Castillo M; Canillas J, *Comput Radiol* 1987; 11: 49
- CT demonstration of extension of renal angiomyolipoma into the inferior vena cava in a patient with tuberous sclerosis, Camáñez F; Lafuente J; Robledo R; et al, *Urol Radiol* 1987; 9: 152
- CT diagnosis of renal angiomyolipoma: the importance of detecting small amounts of fat, Boonak MA; Megibow AJ; Hulnick DH; et al, *AJR* 1988; 151: 497
- CT diagnosis of uterine lipoma, Jacobs JE; Markowitz SK, *AJR* 1988; 150: 1335
- CT findings in lipomatosis of the gallbladder, Miyake H; Takeda H; Mori H; et al, *JCAT* 1987; 11: 165
- diagnosis of a pleural lipoma by CT and fine-needle biopsy to avoid thoracotomy, Millward S; Escott N; Masood K, *J Canad Assoc Radiol* 1988; 39: 57
- epidural lipomatosis, Quint DJ; Boulos RS; Sanders WP; Mehta BA; Patel SC; Tiel RL, *Radiology* 1988; 169: 485
- epidural lipomatosis with lumbar radiculopathy: CT appearance, Randall BC; Muraki AS; Osborn RE; et al, *JCAT* 1986; 10: 1039
- evaluation of MR in spinal dysraphism with lipoma: comparison with metrizamide computed tomography, Wippold FJ; Citrin C; Barkovich AJ; et al, *Pediatr Radiol* 1987; 17: 184
- evaluation of renal angiomyolipoma by traditional and modern imaging in a case of tuberous sclerosis, Hadar H; Gadot N; Schreiber R; et al, *CT* 1987; 11: 67
- hepatic lipomas: ultrasound and computed tomographic findings, Bruneton J-N; Kerboul P; Drouillard J; et al, *Gastrointest Radiol* 1987; 12: 299
- imaging of lipoma of the corpus callosum and intracranial dermoids in the Goldenhar syndrome, Beltinger C; Saule H, *Pediatr Radiol* 1988; 18: 72

Lipoma and lipomatosis

- infiltrating angiolipoma of skeletal muscle: MR findings. Bolen JW Jr; de Lange EE; Frierson HF Jr. *JCAT* 1988; 12: 681
- infiltrating angiolipoma with phlebolith formation. De Orchi D; Ozonoff MB. *Skeletal Radiol* 1986; 15: 464
- intraosseous lipomas: radiologic and pathologic manifestations. Milgram JW. *Radiology* 1988; 167: 155
- intraspinous lumbosacral lipoma: review of literature and report of three cases. Sharma S; Puri S; Das L; et al. *Australas Radiol* 1988; 32: 207
- lipoma of the corpus callosum: diagnosis by ultrasound and magnetic resonance. Fisher RM; Cremin BJ. *Pediatr Radiol* 1988; 18: 409
- lipoma of the liver. Pham DH; Manley PN; Nguyen KT. *J Canad Assoc Radiol* 1986; 37: 283
- lipoma of the septum pellucidum: case report. Willinger JE Jr; Abia A; Rothfus W. *CT* 1987; 11: 79
- lipomatosis of the pancreas: mistake in diagnostic imaging. Bock E; Grandinetti F; Corcioni E; et al. *JCU* 1986; 14: 398
- lipomatous pseudomass of the breast: diagnosis suggested by discordant palpatory and mammographic findings. Hall FM; Connolly JL; Love SM. *Radiology* 1987; 164: 463
- lipomatous tumors of the liver: evaluation with CT and US. Roberts JL; Fishman EK; Hartman DS; Sanders RC; Goodman ZD; Siegelman SS. *Radiology* 1986; 158: 613
- lipomyelomeningocele: a neuro-radiological approach. Cecchini A; Locatelli D; Bonfanti N; et al. *J Neuroradiol* 1988; 15: 49
- medically treated steroid-induced epidural lipomatosis. Maehara T; Tanohata K; Noda M; et al. *Neuroradiol* 1988; 30: 281
- midline central nervous lipomas in children. Macpherson RI; Holgate RC; Gudeman SK. *J Canad Assoc Radiol* 1987; 38: 264
- MR imaging of pericallosal lipoma. Dean B; Drayer BP; Beresini DC; et al. *AJNR* 1988; 9: 929
- MRI of an angiomatous lipoma. Vas W; Wolfson MK; Johnson F; et al. *Magn Res Imag* 1986; 4: 485
- myelolipoma of the liver: CT features. Kaurich JD; Coombs RJ; Zeiss J. *JCAT* 1988; 12: 660
- paraspinal lipomatosis: benign mass. Clickstein MF; Miller WT; Dalinka MK; Lally JF. *Radiology* 1987; 163: 79
- pelvic lipomatosis: 35-year experience. (ab). Klein FA; Smith MJV; Kasnetz I. *Radiology* 1988; 169: 883
- rare presentations of ordinary lipomas of the head and neck: review. Som PM; Scherl MP; Rao VM; et al. *AJNR* 1986; 7: 657
- renal lesions of tuberous sclerosis (cysts and angiomatous lipoma)—screening with sonography and computerized tomography. Narla LD; Slovis TL; Watts FB; et al. *Pediatr Radiol* 1988; 18: 205
- sonographic diagnosis of lipoma of the corpus callosum. Christensen RA; Pinckney LE; Higgins S; et al. *J Ultrasound Med* 1987; 6: 449
- sonographic findings in pancreatic lipomatosis. So CB; Cooperberg PL; Gibney RG; et al. *AJR* 1987; 149: 67
- sonographic findings of a spermatic cord lipoma: case report and review of the literature. Kutchera WA; Bluth EI; Guice SL. *J Ultrasound Med* 1987; 6: 457
- sonography and computed tomography in deep cervical lipomas and lipomatosis of the neck. Grützmann N; Schratte M; Traxler M; et al. *J Ultrasound Med* 1988; 7: 451
- trigeminal nerve lipoma: MR findings. Yuh WTC; Barloon TJ; Jacoby CG. *JCAT* 1987; 11: 518

Lipoproteins

- breast cancer risk in relation to serum cholesterol, serum beta-lipoprotein, height, weight, and blood pressure. Törnberg SA; Holm L-E; Carstensen JM. *Acta Oncol* 1988; 27: 31

- morphologic diagnosis of idiopathic pulmonary alveolar lipoproteinosis—revisited. (ab). Rubinstein I; Mullen JBM; Hoffstein V. *Radiology* 1988; 169: 586
- radiotracers for low density lipoprotein biodistribution studies in vivo: technetium-99m low density lipoprotein versus radioiodinated low density lipoprotein preparations. Vallabhajosula S; Paidi M; Badimon JJ; et al. *J Nucl Med* 1988; 29: 1237
- risk of stomach cancer in association with serum cholesterol and beta-lipoprotein. Törnberg SA; Carstensen JM; Holm L-E. *Acta Oncol* 1988; 27: 39
- Tangier disease. (ab). Labbe A; Dechelotte P; Meyer M; et al. *Radiology* 1986; 159: 823
- Liposarcoma**
- images of liposarcoma using technetium-99m bleomycin and technetium (V)-99m DMSA. Ohta H; Shane JL; Endo K; et al. *Clin Nucl Med* 1986; 11: 842
- intraarterial digital subtraction arteriographic evaluation of extremity tumors: comparison with conventional arteriography. Lee KR; Cox GG; Price HI; Johnson JA; Neff JR. *Radiology* 1986; 158: 255
- pleural liposarcoma: CT diagnosis. Munk PL; Müller NL. *JCAT* 1988; 12: 709
- Liposomes**
- characterization of liposomes containing iodine-125-labeled radiographic contrast agents. Zalutsky MR; Noska MA; Seltzer SE. *Invest Radiol* 1987; 22: 141
- differential uptake of gallium-67-labeled liposomes between tumors and inflammatory lesions in rats. Ogihara I; Kojima S; Jay M. *J Nucl Med* 1986; 27: 1300
- evaluation of the dehydration-rehydration method for production of contrast-carrying liposomes. Seltzer SE; Gregoriadis G; Dick R. *Invest Radiol* 1988; 23: 131
- gadolinium-labeled liposomes containing paramagnetic amphipathic agents: targeted MRI contrast agents for the liver. Kabalka GW; Buonocore E; Hubner K; et al. *Magn Res Med* 1988; 8: 89
- gadolinium-labeled liposomes: targeted MR contrast agents for the liver and spleen. Kabalka G; Buonocore E; Hubner K; Moss T; Norley N; Huang L. *Radiology* 1987; 163: 255
- In-111-labeled liposomes: dosimetry and tumor depiction. Turner AF; Present CA; Proffitt RT; Williams LE; Winsor DW; Werner JL. *Radiology* 1988; 166: 761
- increased delivery of gallium-67 to tumors using serum-stable liposomes. Ogihara Umeda I; Kojima S. *J Nucl Med* 1988; 29: 516
- liposomes containing paramagnetic macromolecules as MRI contrast agents. Navon G; Panigel R; Valensin G. *Magn Res Med* 1986; 3: 876
- magnetic resonance imaging of rabbit brain after intracerebral injection of large multilamellar liposomes containing paramagnetic metals and DTPA. Turski P; Kalinke T; Strother L; et al. *Magn Res Med* 1988; 7: 184
- modulation of water proton relaxation rates by liposomes containing paramagnetic materials. Bacić G; Niczman MR; Bennett HF; et al. *Magn Res Med* 1988; 6: 445
- production and evaluation of contrast-carrying liposomes made with an automatic high-pressure system. Cheng KT; Seltzer SE; Adams DF; et al. *Invest Radiol* 1987; 22: 47
- tumor targeting potential of liposomes encapsulating Ga-67 and antibody to Dalton's lymphoma associated antigen (anti-DLAA). Udayachandrar M; Meenakshi A; Muthiah R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1713
- Lissencephaly**
- See Brain, abnormalities
- Lithium**
- lithium as an adjuvant of iodine-131 uptake when treating patients with well-differentiated thyroid carcinoma. Pons F; Carrio I; Estorch M; et al. *Clin Nucl Med* 1987; 12: 644
- relaxation and imaging of lithium in vivo. Renshaw PF; Haselgrove JC; Bolinger L; et al. *Magn Res Imag* 1986; 4: 193

Lithotripsy

- acoustic cavitation generated by an extracorporeal shockwave lithotripter. Coleman AJ; Saunders JE; Crum LA; et al. *Ultrasound Med Biol* 1987; 13: 69
- advances in hepatobiliary radiology. Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ. *Radiology* 1988; 168: 319
- biliary lithotripsy by extracorporeal shock waves: integral part of nonsurgical intervention. Burhenne HJ; Fache JS; Gibney RG; et al. *AJR* 1988; 150: 1279
- biliary lithotripsy: preliminary experience and prospects. Burhenne HJ. *Radiology* 1988; 168: 336
- biliary lithotripsy: what will the issues be? Ferrucci JT Jr. *AJR* 1987; 149: 227
- biliary lithotripsy with a mechanical lithotripter. Ho C-S; Yee AC; McLoughlin MJ. *Radiology* 1987; 165: 791
- biological effects of shock waves: lung hemorrhage by shock waves in dogs—pressure dependence. Delius M; Enders G; Heine G; et al. *Ultrasound Med Biol* 1987; 13: 61
- choledocholithiasis: successful treatment with extracorporeal lithotripsy. Gelfand DW; McCullough DL; Myers KT; et al. *AJR* 1987; 148: 1114
- choledocholithiasis: treatment with extracorporeal shock wave lithotripsy. Becker CD; Fache JS; Gibney RG; Scudamore CH; Burhenne HJ. *Radiology* 1987; 165: 407
- clinical application of extracorporeal shock wave lithotripsy using microexplosions. (ab). Kuwahara M-A; Kambe K; Kurosu S; et al. *Radiology* 1988; 166: 587
- combined percutaneous and extracorporeal shock wave lithotripsy for staghorn calculi: an alternative to anastrophic nephrolithotomy. (ab). Kahnoski RJ; Lingeman JE; Coury TA; et al. *Radiology* 1986; 160: 857
- combined treatment of branched calculi by percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy. (ab). Schulze H; Hertle L; Graff J; et al. *Radiology* 1986; 161: 860
- comparison of results and morbidity of percutaneous nephrostolithotomy and extracorporeal shock wave lithotripsy. (ab). Lingeman JE; Coury TA; Newman DM; et al. *Radiology* 1988; 166: 909
- cost-effectiveness of extracorporeal shock-wave lithotripsy. (ab). Arnone LJ; Braham RL; Riehle R Jr; et al. *Radiology* 1988; 168: 885
- extracorporeal shock-wave lithotripsy. LeRoy AJ; Segura JW. *Radiol Clin North Am* 1986; 24: 623
- extracorporeal shock wave lithotripsy and its effect on renal function. (ab). Gilbert BR; Riehle R; Vaughan ED Jr. *Radiology* 1988; 168: 885
- extracorporeal shock wave lithotripsy and the radiologist. Pollack HM; Banner MP. *AJR* 1986; 147: 94
- extracorporeal shock wave lithotripsy: clinical results. Cochran ST. *Urol Radiol* 1988; 10: 46
- extracorporeal shock wave lithotripsy experience in children. (ab). Newman DM; Coury T; Lingeman JE; et al. *Radiology* 1987; 162: 295
- extracorporeal shock wave lithotripsy for ureteral stones: a retrospective analysis of 417 cases. (ab). Graff J; Pastor J; Funke PJ; et al. *Radiology* 1988; 168: 885
- extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center. Cochran ST; Barbic ZL; Mindell HJ; Chaussy CD; Fuchs GJ; Lupu AN. *Radiology* 1987; 163: 655
- extracorporeal shock wave lithotripsy in childhood. (ab). Kroovand RL; Harrison LH; McCullough DL. *Radiology* 1988; 167: 296
- extracorporeal shock wave lithotripsy in children. (ab). Kramolowsky EV; Willoughby BL; Loening SA. *Radiology* 1988; 166: 292
- extracorporeal shock wave lithotripsy-induced perirenal hematomas. (ab). Knapp PM; Kulb TB; Lingeman JE; et al. *Radiology* 1988; 169: 289

- extracorporeal shock wave lithotripsy: interventional radiologic solutions to associated problems, Tegtmeier CJ; Kellum CD; Jenkins A; Gillenwater JY; Way WG; Barr J; Piroos G; Springer R; Lippert MC; Wyker AW, *Radiology* 1986; 161: 587
- extracorporeal shock wave lithotripsy in the prone position: treatment of stones in the distal ureter or anomalous kidney, (ab), Jenkins AD; Gillenwater JY, *Radiology* 1988; 169: 587
- extracorporeal shock wave lithotripsy: Methodist Hospital of Indiana experience, (ab), Lingeman JE; Newman D; Mertz JH; et al, *Radiology* 1986; 161: 859
- extracorporeal shock wave lithotripsy of caliceal diverticula calculi, (ab), Pishramis KE; Dretler SP, *Radiology* 1988; 167: 292
- extracorporeal shock wave lithotripsy of ureteral stones: clinical experience and experimental findings, (ab), Mueller SC; Wilbert D; Thueroff JW; et al, *Radiology* 1986; 160: 858
- extracorporeal shock-wave lithotripsy: prevalence of renal stones 3-21 months after treatment, Miles SG; Kaude JV; Newman RC; et al, *AJR* 1988; 150: 307
- extracorporeal shockwave lithotripsy: role of the radiologist, Bush WH; Gibbons RP, *Radiology* 1986; 158: 855
- extracorporeal shockwave lithotripsy: role of the radiologist: reply, Barth KH; Fahra JI; Elliott LP, *Radiology* 1986; 158: 855
- extracorporeal shock-wave lithotripsy: slambang effects, silent side effects?, Mulley AG Jr; Carlson KJ; Dretler SP, *AJR* 1988; 150: 316
- extracorporeal stone disintegration using chemical explosive pellets as an energy source of underwater shock waves, (ab), Kuwahara M-A; Kambe K; Kurosu S; et al, *Radiology* 1986; 160: 857
- factors affecting the success rate of percutaneous nephrolithotripsy and the incidence of retained fragments, (ab), Goldwasser B; Weinerth JL; Carson CC; et al, *Radiology* 1987; 162: 291
- gallstone ESWL—the first 175 patients, Ferrucci JT, *AJR* 1988; 150: 1231
- gallstone lithotripsy: a preview, Ferrucci JT, *Radiology* 1988; 168: 333
- horizons in gallstone therapy—1988, vanSonnenberg E; Hofmann AF, *AJR* 1988; 150: 43
- immersion anesthesia for extracorporeal shock wave lithotripsy: review of two hundred treatments, (ab), London RA; Kudlak T; Riehle RA, *Radiology* 1987; 162: 886
- impact of extracorporeal shock wave lithotripsy on percutaneous stone procedures, Bush WH; Gibbons RP; Lewis GP; et al, *AJR* 1986; 147: 89
- impact of shockwave lithotripsy on upper urinary tract calculi, (ab), Riehle RA Jr; Naslund EB; Fair W; et al, *Radiology* 1987; 163: 588
- in-bath filming during extracorporeal shock wave lithotripsy, Eusek JF; Bush WH; Burnett LL; Gibbons RP, *Radiology* 1986; 158: 850
- initial experience with extracorporeal shock wave lithotripsy in children, (ab), Sigman M; Laudone VP; Jenkins AD; et al, *Radiology* 1988; 167: 296
- kidney changes after extracorporeal shock wave lithotripsy: CT evaluation, Rubin JI; Arger PH; Pollack HM; Banner MP; Coleman BG; Mintz MC; VanArsdalen KN, *Radiology* 1987; 162: 21
- laser induced shock wave lithotripsy: biologic effects of nanosecond pulses, (ab), Hofmann R; Hartung R; Geissdörfer K; et al, *Radiology* 1988; 169: 587
- management of upper ureteral calculi with extracorporeal shock wave lithotripsy, (ab), Lingeman JE; Shirrell WL; Newman DM; et al, *Radiology* 1988; 167: 292
- measurement of shock wave pressures used for lithotripsy, (ab), Hunter FT; Finlayson B; Hirko RJ; et al, *Radiology* 1987; 163: 291
- monotherapy of staghorn renal calculi: a comparative study between percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy, (ab), Winfield HN; Clayman RV; Chaussy CG; et al, *Radiology* 1988; 169: 586
- morphology of urinary stone particles resulting from ESWL treatment, (ab), Khan SR; Hackett RL; Finlayson B, *Radiology* 1987; 163: 588
- new generation shock wave lithotripsy, (ab), Wilbert DM; Reichenberger H; Noske E; et al, *Radiology* 1988; 166: 909
- outpatient extracorporeal shock-wave lithotripsy, (ab), Breaux E; Burns JR, *Radiology* 1987; 164: 884
- patient exposure and radiation environment of an extracorporeal shock wave lithotripter system, (ab), Lin P-JP; Hrejsa AF, *Radiology* 1988; 167: 293
- percutaneous nephrostolithotomy and lithotripsy: multi-institutional survey of complications, Lang EK, *Radiology* 1987; 162: 25
- percutaneous nephrostomy in conjunction with ESWL in treatment of nephrolithiasis, Cochran ST; Liu E; Barbaric ZL, *AJR* 1988; 151: 103
- percutaneous renal calculus removal in an extracorporeal shock wave lithotripter practice, (ab), Leroy AJ; Segura JW; Williams HJ Jr; et al, *Radiology* 1988; 167: 293
- percutaneous ultrasonic lithotripsy of symptomatic renal calculi in children, Papanicolaou N; Pfister RC; Young HH; et al, *Pediatr Radiol* 1986; 16: 13
- piezoelectric extracorporeal lithotripsy by ultrashort waves with the EDAP LT 01 device, (ab), Vallancien G; Aviles J; Munoz R; et al, *Radiology* 1988; 169: 288
- pressure waveforms generated by a Dornier extracorporeal shock-wave lithotripter, Coleman AJ; Saunders JE; Preston RC; et al, *Ultrasound Med Biol* 1987; 13: 651
- promise of extracorporeal shock-wave lithotripsy for the treatment of gallstones, Burhenne HJ, *AJR* 1987; 149: 233
- radiation dose to patient and personnel during extracorporeal shock wave lithotripsy, (ab), Bush WH; Jones D; Gibbons RP, *Radiology* 1988; 167: 293
- radioculide evaluation pre- and postextracorporeal shock wave lithotripsy for renal calculi, Boman J; Boddy SAM; Britton KE; et al, *J Nucl Med* 1987; 28: 1284
- renal stone disease treated with extracorporeal shock wave lithotripsy: short-term observations in 100 patients, Grantham JR; Millner MR; Kaude JV; Finlayson B; Hunter FT II; Newman RC, *Radiology* 1986; 158: 203
- report of the United States Cooperative Study of extracorporeal shock wave lithotripsy, (ab), Drach GW; Dretler S; Fair W; et al, *Radiology* 1986; 161: 859
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeier CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 163: 431
- role of silicone ureteral stents in extracorporeal shock wave lithotripsy of large renal calculi, (ab), Libby JM; Meacham RB; Griffith DP, *Radiology* 1988; 168: 885
- small caliceal stones: is extracorporeal shock wave lithotripsy justified?, (ab), Mee SL; Thueroff JW, *Radiology* 1988; 169: 586
- sonographic evaluation of renal stones treated by extracorporeal shock-wave lithotripsy, Baumgartner BR; Steinberg HV; Ambrose SS; et al, *AJR* 1987; 149: 131
- sonographic evaluation of the kidney following extracorporeal shock wave lithotripsy, Kaude JV; Williams JL; Wright PG; et al, *J Ultrasound Med* 1987; 6: 299
- staghorn calculi: endourologic management in 120 patients, Lee WJ; Snyder JA; Smith AD, *Radiology* 1987; 165: 85
- technical exhibits: RSNA '87 meeting notes, Gray JE; Barnes GT; Morin RL; Yester MV; Chakraborty DP, *Radiology* 1988; 166: 927
- treatment of bile duct stones by extracorporeal shock waves, Sauerbruch T; Holl J; Sackmann M; et al, *Semin US CT MR* 1987; 8: 155
- treatment of prevesical ureteral calculi by extracorporeal shock wave lithotripsy, (ab), Becht E; Moll V; Neisius D; et al, *Radiology* 1988; 169: 587
- treatment of retained cystic duct stones using extracorporeal shockwave lithotripsy, Becker CD; Fache JS; Gibney RG; et al, *AJR* 1987; 148: 1121
- ureteral stone manipulation before extracorporeal shock wave lithotripsy, (ab), Evans RJ; Wingfield DD; Morillo BA; et al, *Radiology* 1988; 168: 588
- urinary extracorporeal shock wave lithotripsy: equipment, techniques, and overview, Pfister RC; Papanicolaou N; Yoder IC, *Urol Radiol* 1988; 10: 39
- Lithotripsy, complications**
- acoustic cavitation generated by an extracorporeal shockwave lithotripter, Coleman AJ; Saunders JE; Crum LA; et al, *Ultrasound Med Biol* 1987; 13: 69
- biological effects of shock waves: kidney damage by shock waves in dogs—dose dependence, Delius M; Enders G; Xuan Z; et al, *Ultrasound Med Biol* 1988; 14: 117
- biological effects of shock waves: lung hemorrhage by shock waves in dogs—pressure dependence, Delius M; Enders G; Heine G; et al, *Ultrasound Med Biol* 1987; 13: 61
- etiology and treatment of delayed bleeding following percutaneous lithotripsy, (ab), Patterson DE; Segura JW; LeRoy AJ; et al, *Radiology* 1986; 158: 281
- extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center, Cochran ST; Barbaric ZL; Mindell HJ; Chaussy CD; Fuchs GJ; Lupu AN, *Radiology* 1987; 163: 655
- extracorporeal shock-wave lithotripsy: long-term complications, Williams CM; Kaude JV; Newman RC; et al, *AJR* 1988; 150: 311
- extracorporeal shock-wave lithotripsy: slambang effects, silent side effects?, Mulley AG Jr; Carlson KJ; Dretler SP, *AJR* 1988; 150: 316
- hazardous sound levels produced by extracorporeal shock wave lithotripsy, (ab), Lusk RF; Tyler RS, *Radiology* 1987; 163: 863
- interstitial emphysema associated with epidural anesthesia for extracorporeal shock-wave lithotripsy, Roberts MC; Pollack HM; Banner MP; et al, *AJR* 1987; 148: 301
- kidney changes after extracorporeal shock wave lithotripsy: appearance on MR imaging, Baumgartner BR; Dickey KW; Ambrose SS; Walton KN; Nelson RC; Bernardino ME, *Radiology* 1987; 163: 531
- pseudotumors following extracorporeal shock wave lithotripsy, Barber L; Amendola MA; Pollack HM; Van Arsdalen KN, *Radiology* 1988; 167: 397
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeier CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 163: 431
- significant renal hemorrhage following extracorporeal shock wave lithotripsy: imaging and clinical features, Papanicolaou N; Stafford SA; Pfister RC; Althausen AF; Dretler SP, *Radiology* 1987; 163: 661
- silent renal obstruction with severe functional loss after extracorporeal shock wave lithotripsy: report of 2 cases, (ab), Hardy MR; McLeod DG, *Radiology* 1987; 164: 292
- ureteropelvic junction obstruction after percutaneous nephrolithotripsy, (ab), Green DF; Lytton B; Glickman M, *Radiology* 1988; 166: 910
- Liver**
- impact of radiology on hepatology, Sherlock S; Dick R, *AJR* 1986; 147: 1117
- Liver, abnormalities**
- barium intravasation: radiographic and CT findings in a nonfatal case, Chan F-L; Tso W-K; Wong L-C; Ngan H, *Radiology* 1987; 163: 311
- bipartite liver: a case report, Burton BE; Amin EA; Tisdale P, *Clin Nucl Med* 1987; 12: 641
- Caroli disease: high-frequency US and pathologic findings, Marchal GF; Desmet VJ; Prossmans WC; Moerman PL; Van Rosse WW; Van Holsbeek MT; Baert AL, *Radiology* 1986; 158: 507

case of bizarre liver form variation, Ugarkovic B; Tezak S; Plavsic B; et al, *Clin Nucl Med* 1987; 12: 461

computerized tomography and ultrasound in the diagnosis of cerebro-hepato-renal syndrome of Zellweger, Weese-Mayer DE; Smith KM; Reddy JK; et al, *Pediatr Radiol* 1987; 17: 170

computer tomography of congenital absence of the left lobe of the liver, Yamamoto S; Kojoh K; Saito I; et al, *JCAT* 1988; 12: 206

hepatic cirrhosis in a patient with total situs inversus: unique findings on liver-spleen imaging, Kuhn MJ; Ongseng F; Goldfarb CR, *Clin Nucl Med* 1987; 12: 243

hepatic cirrhosis with an epigastric gallbladder, Hopper KD, *Gastrointest Radiol* 1988; 13: 355

liver-spleen scan of hepatic cirrhosis in a patient with situs inversus, Stewart CA; Hays TJ, *Clin Nucl Med* 1988; 13: 301

"pseudo" abdominal situs inversus following trauma, Grimmond AP; Karimeddini MK; Spencer RP, *Clin Nucl Med* 1986; 11: 809

results of therapy in stage IV-S neuroblastoma with massive hepatomegaly, Blatt J; Deutsch M; Wollman MR, *Int J Radiat Oncol Biol Phys* 1987; 13: 1467

unusual cause of a hot spot on sulfur colloid liver imaging, Jackson DE Jr; Floyd JL, *Clin Nucl Med* 1986; 11: 549

Liver, abscess

abdominal abscess drainage under radiologic guidance: causes of failure, Lang EK; Springer RM; Glorioso LW III; Cammarata CA, *Radiology* 1986; 159: 329

actinomycosis involving the liver: computed tomography/ultrasound correlation, Sheth S; Fishman EK; Sanders RC, *J Ultrasound Med* 1987; 6: 329

amebic liver abscess: diagnosis and treatment evaluation with MR imaging, Elizondo G; Weissleder R; Stark DD; Todd LE; Compton C; Wittenberg J; Ferrucci JT Jr, *Radiology* 1987; 165: 795

amebic liver abscess: MR imaging, Ralls PW; Henley DS; Colletti PM; Benson R; Raval JK; Radin DR; Boswell WD Jr; Halls JM, *Radiology* 1987; 165: 801

amebic liver abscess: sonographic diagnosis and management, Berry M; Bazaz R; Bhargava S, *JCU* 1986; 14: 239

comparison of amebic and pyogenic abscess of the liver, (ab), Barnes PF; DeCock KM; Reynolds TN; et al, *Radiology* 1988; 167: 883

CT findings in biliary and pancreatic ascariasis, Radin DR; Vachon LA, *JCAT* 1986; 10: 508

CT of amebic liver abscess, Radin DR; Ralls PW; Colletti PM; et al, *AJR* 1988; 150: 1297

CT of small pyogenic hepatic abscesses: the cluster sign, Jeffrey RB Jr; Tolentino CS; Chang FC; et al, *AJR* 1988; 151: 487

discordant uptake of technetium-99m DISIDA and technetium-99m sulfur colloid in an amebic abscess, Allard JC; Lee VW; Foster J, *Clin Nucl Med* 1988; 13: 114

echo-guided percutaneous puncture: a safe and valuable therapeutic tool for amebic liver abscess, Giorgio A; Amoroso P; Francica G; et al, *Gastrointest Radiol* 1988; 13: 336

fungus liver abscesses in acute leukaemia—a report of two cases, Maxwell AJ; Mamtara H, *Clin Radiol* 1988; 39: 197

fungus microabscesses in immuno-suppressed patients—CT appearances, Fitzgerald EJ; Coblentz C, *J Canad Assoc Radiol* 1988; 39: 10

hepatic abscess due to occult biliary stones, Barek L; Orron DE; Behar DJ, *CT* 1987; 11: 31

hepatic abscesses in the immunocompromised patient: role of CT in detection, diagnosis, management, and follow-up, Francis IR; Glazer GM; Amendola MA; et al, *Gastrointest Radiol* 1986; 11: 257

hepatic abscess in liver transplantation: accurate diagnosis and treatment, Brown RKJ; Memic LDF; Pusey EJ; et al, *Clin Nucl Med* 1986; 11: 233

hepatic abscess: sensitivity of imaging tests and clinical findings, Halvorsen RA Jr; Foster WL Jr; Wilkinson RH Jr; et al, *Gastrointest Radiol* 1988; 13: 135

hepatic amebic abscess: cholecystographic rim enhancement, Remedios PA; Colletti PM; Ralls PW, *Radiology* 1986; 160: 395

hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, *Radiology* 1988; 166: 417

intrahepatic bile leak producing delayed accumulation of technetium-99m DISIDA in an amebic liver abscess, Prakash R; Jena A; Behari V; et al, *Clin Nucl Med* 1986; 11: 360

MR imaging of liver abscesses; application of Gd-DTPA, Schmiedl U; Paajanen H; Arakawa M; et al, *Magn Res Imag* 1988; 6: 9

multiple anaerobic hepatic abscesses demonstrated on hepatobiliary scintigraphy, Moreno AJ; Battafarano NJ; Nelson PM; et al, *Clin Nucl Med* 1986; 11: 204

percutaneous drainage for post-traumatic hepatic abscess in children under ultrasound imaging, Taguchi T; Ikeda K; Yakabe S; et al, *Pediatr Radiol* 1988; 18: 85

pyogenic liver abscess: contrast-enhanced MR imaging in rats, Weissleder R; Saini S; Stark DD; et al, *AJR* 1988; 150: 115

pyogenic liver abscess: diagnostic and therapeutic strategies, (ab), Gyorfy EJ; Frey CF; Silva J Jr; et al, *Radiology* 1988; 167: 883

sonographic features of amebic and pyogenic liver abscesses: a blinded comparison, Ralls PW; Barnes PF; Radin DR; et al, *AJR* 1987; 149: 499

sonography in complicated hepatic amoebic abscess, Gupta RK; Pant CS; Prakash R; et al, *Clin Radiol* 1987; 38: 123

treatment of hepatic amebic abscess: need for percutaneous drainage, Ralls PW; Barnes PF; Johnson MB; De Cock KM; Radin DR; Halls JM, *Radiology* 1987; 165: 805

wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, *Radiology* 1988; 169: 578

wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, *Radiology* 1988; 169: 579

Liver, amyloidosis

See Amyloidosis

Liver, anatomy

agenesis of the right lobe of the liver, Radin DR; Colletti PM; Ralls PW; Boswell WD Jr; Halls JM, *Radiology* 1987; 164: 639

hepatic morphotypes, their statistical individualization using ultrasonography, Pietri H; Boscinai M; Berthezene P; et al, *J Ultrasound Med* 1988; 7: 189

inferior accessory hepatic fissure: sonographic appearance, Lim JH; Ko YT; Han MC; et al, *AJR* 1987; 149: 495

Liver, angiography

Budd-Chiari syndrome: dynamic CT, Mathieu D; Vasilis N; Menu Y; Van Beers B; Lorphelin JM; Pringot J, *Radiology* 1987; 165: 409

correlation between MR and angiography in portal hypertension, Torres WE; Gaylord GM; Whitmire LF; et al, *AJR* 1987; 148: 1109

effects of metrizoate and iohexol on the liver at visceral angiography, Billström A; Hietala S-O; Wirell S, *Acta Radiol* 1987; 28: 707

hepatic lobar atrophy following obstruction of the ipsilateral portal vein from hilar cholangiocarcinoma, Takayasu K; Muramatsu Y; Shima Y; Moriyama N; Yamada T; Makuuchi M, *Radiology* 1986; 160: 389

liver allograft transplantation: postoperative CT findings, Letourneau JC; Day DL; Maile CW; et al, *AJR* 1987; 148: 1099

liver transplant recipients: portable duplex US with correlative angiography, Taylor KJW; Morse SS; Weltin GG; Riely CA; Flye MW, *Radiology* 1986; 159: 357

liver transplant rejection: angiographic findings in 35 patients, White RM; Zajko AB; Demetris AJ; et al, *AJR* 1987; 148: 1095

liver transplant rejection arteritis: serial hepatic arteriography, Morse SS; Reuben A; Strauss EB; et al, *Cardiovasc Intervent Radiol* 1986; 9: 191

postoperative angiographic and interventional radiologic evaluation of liver recipients, Cardella JF; Amplatz K, *Radiol Clin North Am* 1987; 25: 309

preoperative angiographic evaluation of prospective liver recipients, Cardella JF; Amplatz K, *Radiol Clin North Am* 1987; 25: 299

role of selective angiography in the management of patients with Zollinger-Ellison syndrome, (ab), Maton PN; Miller DL; Doppman JL; et al, *Radiology* 1987; 163: 882

segmental intensity differences in the liver on MR images: a sign of intrahepatic portal flow stoppage, Itai Y; Ohtomo K; Kokubo T; Okada Y; Yamauchi T; Yoshida H, *Radiology* 1988; 167: 17

"skip areas" in hepatic steatosis: sonographic-angiographic study, Marchal GJF; Tshibwabwa-Tumba E; Verbeke E; et al, *Gastrointest Radiol* 1986; 11: 151

staining in the liver surrounding gallbladder fossa on hepatic arteriography caused by increased cystic venous drainage, Matsui O; Takashima T; Kadoya M; et al, *Gastrointest Radiol* 1987; 12: 307

Liver, biopsy

abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy, Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P, *Radiology* 1986; 159: 345

benign circumscribed lesions of the liver diagnosed by ultrasonically guided fine-needle biopsy, Spamer C; Brams H-J; Koch HK; et al, *JCU* 1986; 14: 83

cavernous hemangioma of the liver: role of percutaneous biopsy, Cronan JJ; Esparza AR; Dorfman GS; Riddlen MS; Paolella LP, *Radiology* 1988; 166: 135

computed tomography of the liver after biopsy, Malone DE; McCormick PA; O'Donoghue DP; et al, *Clin Radiol* 1987; 38: 97

CT- or sonography-guided biopsy of the liver in the presence of ascites: frequency of complications, Murphy FB; Barefield KP; Steinberg HV; et al, *AJR* 1988; 151: 485

early diagnosis of hepatocellular carcinoma: usefulness of ultrasonically guided fine-needle aspiration biopsy, Tanaka S; Kitamura T; Kasugai H; et al, *JCU* 1986; 14: 11

efficacy of embolic occlusion of needle tracks after biopsy, Hall FM; Simon M, *Radiology* 1988; 166: 581

efficacy of embolic occlusion of needle tracks after biopsy: reply, Chuang VP; Alspaugh JP, *Radiology* 1988; 166: 582

fine-needle aspiration biopsy with a vacuum test tube, Fornage BD, *Radiology* 1988; 169: 553

hepatocellular carcinoma: diagnosis by percutaneous fine needle biopsy, Bret PM; Labadie M; Bretagnolle M; et al, *Gastrointest Radiol* 1988; 13: 253

liver biopsy embolization track: ultrasonic appearance, Carvalho P; Allison DJ, *JCU* 1988; 16: 426

liver biopsy through the femoral vein, Mewissen MW; Lipchik EO; Schreiber ER; Varma RR, *Radiology* 1988; 169: 842

percutaneous liver biopsy and track embolization with steel coils, Allison DJ; Adam A, *Radiology* 1988; 169: 261

sheath needle for liver biopsy, Irving HC, *Radiology* 1988; 166: 879

sheath needle for liver biopsy in high-risk patients, Chuang VP; Alspaugh JP, *Radiology* 1988; 166: 261

transcatheter embolization of liver capsule perforation during transvenous liver biopsy, Brailion A; Revert R; Remond A; et al, *Gastrointest Radiol* 1986; 11: 279

ultrasonically guided fine-needle biopsy in focal intrahepatic lesions: six years' experience, Bret PM; Sente J-M; Bretagnolle M; et al, *J Canad Assoc Radiol* 1986; 37: 5

Liver, blood supply

alterations in liver blood flow and reticuloendothelial function in progressive cirrhosis in the rat, Goetting NLM; Fleming JS; Gallagher P; et al. *J Nucl Med* 1986; 27: 1751

effect of repeated normothermic ischaemia on normal liver parenchyma: an experimental study in pigs, Stridbeck H; Holmin T; Hagerstrand I. *Acta Radiol* 1987; 28: 215

Liver, calcification

ischemic hepatic necrosis: cause of fetal liver calcification, Nguyen DL; Leonard JC. *AJR* 1986; 147: 596

Liver, calculi

percutaneous removal of residual intrahepatic stones, Park JH; Choi BI; Han MC; Sung KB; Choo IW; Kim CW. *Radiology* 1987; 163: 619

segmental biliary obstruction: false-negative diagnosis with direct cholangiography without US guidance, Gibney RG; Cooperberg PL; Scudamore CH; Nagy AG. *Radiology* 1987; 164: 27

Liver, cirrhosis

alterations in liver blood flow and reticuloendothelial function in progressive cirrhosis in the rat, Goetting NLM; Fleming JS; Gallagher P; et al. *J Nucl Med* 1986; 27: 1751

ascites and right pleural effusion: demonstration of a peritoneo-pleural communication, Verreault J; Lepage S; Bisson G; et al. *J Nucl Med* 1986; 27: 1706

chronic portosystemic encephalopathy: embolization of portosystemic shunts, Uflacker R; de O e Silva A; Carneiro d'Albuquerque LA; Piske RL; Mourao GS. *Radiology* 1987; 165: 721

cirrhosis: US images with narrow band filtering, Sommer G; Stern R; Chen H-S. *Radiology* 1987; 165: 425

cirrhosis: value of caudate to right lobe ratio in diagnosis with US, Giorgio A; Amoroso P; Lettieri G; Fico P; de Stefano G; Finelli L; Scala V; Tarantino L; Pierri P; Pesce G. *Radiology* 1986; 161: 443

computed tomography of hepatic morphologic changes in cirrhosis of the liver, Torres WE; Whitmire LF; Gedgaudas-McCles K; et al. *JCAT* 1986; 10: 47

echo-Doppler measurement of splanchnic blood flow in control and cirrhotic subjects, Zoli M; Marchesini G; Cordiani MR; et al. *JCU* 1986; 14: 429

effect of cirrhosis on accuracy of ^{99m}Tc -tin colloid scintigraphy and ultrasound scanning in diagnosis of hepatocellular carcinoma, Powell-Jackson P; Forbes A; Michell M; et al. *Br J Radiol* 1987; 60: 1221

FM sonography in diffuse liver disease: prospective assessment and blinded analysis, Ralls PW; Johnson MB; Kanel G; Dobalian DM; Colletti PM; Boswell WD Jr; Radin DR; Halls JM. *Radiology* 1986; 161: 451

hepatic cirrhosis in a patient with total situs inversus: unique findings on liver-spleen imaging, Kuhn MJ; Ongeng F; Goldfarb CR. *Clin Nucl Med* 1987; 12: 243

hepatocellular carcinoma: combined hepatic, arterial, and portal venous embolization, Nakao N; Miura K; Takahashi H; Ohnishi M; Miura T; Okamoto E; Ishikawa Y. *Radiology* 1986; 161: 303

incidence of cholelithiasis among patients with cirrhosis and portal hypertension, Steinberg HV; Beckett WW; Chezmar JL; et al. *Gastrointest Radiol* 1988; 13: 347

intrahepatic portosystemic venous shunt: occurrence in patients with and without liver cirrhosis, Mori H; Hayashi K; Fukuda T; et al. *AJR* 1987; 149: 711

liver-spleen scan of hepatic cirrhosis in a patient with situs inversus, Stewart CA; Hays TJ. *Clin Nucl Med* 1988; 13: 301

liver volume measurements and three-dimensional display from MR images, McNeal GR; Maynard WH; Branch RA; Powers TA; Arms PA; Gunter K; Fitzpatrick JM; Partain CL. *Radiology* 1988; 169: 851

new method of measuring in vivo sound speed in the reflection mode, Hayashi N; Tamaki N; Senda M; et al. *JCU* 1988; 16: 87

portosystemic shunting in portal hypertension: evaluation with portal scintigraphy with transrectally administered I-123 IMP, Kashiwagi T; Azuma M; Ikawa T; Takehara T; Matsuda H; Yoshioka H; Mitsutani N; Koizumi T; Kimura K. *Radiology* 1988; 169: 137

predictive value of ultrasonography in the screening of non-ascitic cirrhotic patients with large varices, Cottone M; D'Amico G; Maringhini A; et al. *J Ultrasound Med* 1986; 5: 189

quantitative aspects of portal-systemic and arteriovenous shunts within the liver in cirrhosis, (ab), Ohnishi K; Chin N; Sugita S; et al. *Radiology* 1987; 165: 882

regenerating nodules in cirrhosis: sonographic appearance with anatomic correlation, Freeman MP; Vick CW; Taylor KTW; et al. *AJR* 1986; 146: 533

regenerating nodules of liver cirrhosis: MR imaging, Itai Y; Ohnishi S; Ohtomo K; Kokubo T; Yoshida H; Yoshikawa K; Imawari M. *Radiology* 1987; 165: 419

role of computed tomography in screening for hepatocellular carcinoma in patients with cirrhosis, Henderson JM; Campbell JD; Olson R; et al. *Gastrointest Radiol* 1988; 13: 129

small hepatocellular carcinoma: percutaneous alcohol injection—results in 23 patients, Livraghi T; Salmi A; Bolondi L; Marin G; Arienti V; Monti F; Vettori C. *Radiology* 1988; 168: 313

splenic artery and superior mesenteric artery blood flow: noninvasive Doppler US measurements in healthy subjects and patients with chronic liver disease, Sato S; Ohnishi K; Sugita S; Okuda K. *Radiology* 1987; 164: 347

Liver, CT

actinomycosis involving the liver: computed tomography/ultrasound correlation, Sheth S; Fishman EK; Sanders RC. *J Ultrasound Med* 1987; 6: 329

agenesis of the right lobe of the liver, Radin DR; Colletti PM; Ralls PW; Boswell WD Jr; Halls JM. *Radiology* 1987; 164: 639

angiomyolipoma of the liver: CT, MR, and ultrasound imaging, Fobbe F; Hamm B; Schwarting R. *JCAT* 1988; 12: 658

Budd-Chiari syndrome: CT observations, Vogelzang RL; Anschuetz SL; Gore RM. *Radiology* 1987; 163: 329

Budd-Chiari syndrome: dynamic CT, Mathieu D; Vassile N; Menu Y; Van Beers B; Lorphelin JM; Pringot J. *Radiology* 1987; 165: 409

case report: computed tomographic and ultrasound appearances of a solitary intrahepatic choledochal cyst, Austin RM; Sussman S; McArdle CR; et al. *Clin Radiol* 1986; 37: 149

case report: computed tomographic appearances of benign hepatic hamartoma, Jennings CM; Merrill CR; Slater DN. *Clin Radiol* 1987; 38: 103

computed tomographic appearances of massive neonatal hemangioma of the liver: a case report, Qureshi SA; Gregg JEM; Galloway RW. *CT* 1988; 12: 135

computed tomographic enhancement of liver and spleen in the dog with iodipamide ethyl ester particulate suspensions, Sands MS; Violante MR; Gadeholt G. *Invest Radiol* 1987; 22: 408

computed tomography, management, and follow-up in infantile hemangioendothelioma of the liver in infants and children, Mahboubi S; Sunaryo FP; Glasman MS; et al. *CT* 1987; 11: 370

computed tomography of cavernous hemangiomas of the liver: how sure are we?, Penkrot RJ; Van Thiel D. *CT* 1986; 10: 309

computed tomography of hepatic cavernous hemangioma, Ashida C; Fishman EK; Zerhouni EA; et al. *JCAT* 1987; 11: 455

computed tomography of hepatic fascioliasis, Serrano MAP; Vega A; Ortega E; et al. *JCAT* 1987; 11: 269

computed tomography of hepatic morphologic changes in cirrhosis of the liver, Torres WE; Whitmire LF; Gedgaudas-McCles K; et al. *JCAT* 1986; 10: 47

computed tomography of omental liver packs, Van W; Bilotta W; Sundaram M; et al. *JCAT* 1988; 12: 592

computed tomography of the liver after biopsy, Malone DE; McCormick PA; O'Donoghue DP; et al. *Clin Radiol* 1987; 38: 97

computed tomography of the liver after dearterialization and intraarterial chemotherapy, Keramati B; Whitley NO; Didolkar MS; et al. *CT* 1986; 10: 303

computed tomography of thorotrastosis, Findley A; Childress MH. *CT* 1987; 11: 188

computer tomography of congenital absence of the left lobe of the liver, Yamamoto S; Kojoh K; Saito I; et al. *JCAT* 1988; 12: 206

contrast enhancement of the liver: evaluation by automated contiguous pixel search, Stude RA; Hedlund LW; Johnson GA; et al. *Invest Radiol* 1987; 22: 132

CT and MR imaging of radiation hepatitis, Unger EC; Lee JKT; Weyman PJ. *JCAT* 1987; 11: 264

CT demonstration of fluid-fluid levels in nonenhancing hemangiomas of the liver, Itai Y; Ohtomo K; Kokubo T; et al. *JCAT* 1987; 11: 763

CT of amebic liver abscess, Radin DR; Ralls PW; Colletti PM; et al. *AJR* 1988; 150: 1297

CT of giant cavernous hemangioma, Scatarige JC; Kenny JM; Fishman EK; et al. *AJR* 1987; 149: 83

CT of small pyogenic hepatic abscesses: the cluster sign, Jeffrey RB Jr; Tolentino CS; Chang FC; et al. *AJR* 1988; 151: 487

CT of the liver: a survey of prevailing methods for administration of contrast material, Zeman RK; Clements LA; Silverman PM; et al. *AJR* 1988; 150: 107

distribution of water, fat, and metals in normal liver and in liver metastases influencing attenuation on computed tomography, Ueda J; Kobayashi Y; Kenko Y; et al. *Acta Radiol* 1988; 29: 33

erythromycin-induced hepatitis: simulator of malignancy, Rigaults HD; Selleslag DL; Van Eyken PL; Van Damme BJ; Fevery JM; Marchal GJ. *Radiology* 1988; 169: 661

focal fatty change of the liver adjacent to the falciform ligament: CT and sonographic findings in five surgically confirmed cases, Yoshikawa J; Matsui O; Takashima T; et al. *AJR* 1987; 149: 491

focal fatty infiltration of the liver mimicking a tumor: sonographic and CT features, Kawashima A; Suehiro S; Murayama S; et al. *JCAT* 1986; 10: 329

focal fatty infiltration of the liver simulating metastatic disease, Yates CK; Streight RA. *Radiology* 1986; 159: 83

focal hepatic masses and fatty infiltration detected by enhanced dynamic CT, Alpern MB; Lawson TL; Foley WD; Perlman SJ; Reif LJ; Arevalo E; Rimm AA. *Radiology* 1986; 158: 45

Gaucher disease of the liver: CT appearance, Glass RB; Poznanski AK; Young S; et al. *Pediatr Radiol* 1987; 17: 417

gold storage in the liver: appearance on CT scans, De Maria M; De Simone G; Laconi A; Mercadante G; Pavone P; Rossi P. *Radiology* 1986; 159: 355

hepatic abscesses in the immunocompromised patient: role of CT in detection, diagnosis, management, and follow-up, Francis IR; Glazer GM; Amendola MA; et al. *Gastrointest Radiol* 1986; 11: 257

hepatic actinomycosis: CT features, Roessler FJ Jr; Willis JS. *JCAT* 1986; 10: 335

hepatic adenomas and focal nodular hyperplasia: dynamic CT study, Mathieu D; Bruneton JN; Drouillard J; Pointreau C; Vassile N. *Radiology* 1986; 160: 53

hepatic and splenic injury in children: role of CT in the decision for laparotomy, Brick SH; Taylor GA; Potter BM; Eichelberger MR. *Radiology* 1987; 165: 643

hepatic artery aneurysm: CT and MR features, Zalman M; Matos C; Van Gansbeke D; et al. *Gastrointest Radiol* 1987; 12: 203

hepatic CT: state of the art, Freeny PC. *Radiology* 1988; 168: 319

hepatic hemangioma: dynamic bolus CT, Freeny PC; Marks WM. *AJR* 1986; 147: 711

hepatic heterogeneity on CT in Budd-Chiari syndrome: correlation with regional disturbances in portal flow, Van Beers B; Pringot J; Trigaux JP; et al. *Gastrointest Radiol* 1988; 13: 61

- hepatic infarcts: new observations by CT and sonography, Lev-Toaff AS, Friedman AC, Cohen LM; et al, *AJR* 1987; 149: 87
- hepatic lobar atrophy following obstruction of the ipsilateral portal vein from hilar cholangiocarcinoma, Takayasu K; Muramatsu Y; Shima Y; Moriyama N; Yamada T; Makuuchi M, *Radiology* 1986; 160: 389
- hepatic parenchymal gas after blunt trauma, Panicek DM; Paquet DJ; Clark KG; Urrutia EJ; Brinsko RE, *Radiology* 1986; 159: 343
- hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, *Radiology* 1988; 166: 417
- hepatosplenic fungal infection: CT and pathologic evaluation after treatment with liposomal amphotericin B, Shirkhoda A; Lopez-Berestein G; Holbert JM; Luna MA, *Radiology* 1988; 159: 349
- high-attenuation recent thrombus of the portal vein: CT demonstration and clinical significance, Mori H; Hayashi K; Uetani M; Matsuo Y; Iwao M; Maeda H, *Radiology* 1987; 163: 353
- high resolution CT of the porta hepatis and hepatoduodenal ligament, Weinstein JB; Heiken JP; Lee JKT; DiSantis DJ; Balfé DM; Weyman PJ; Peterson RR, *Radiographics* 1986; 6: 55
- hypervascular hepatic metastases: CT evaluation, Bressler EL; Alpern MB; Glazer GM; Francis IR; Ensminger WD, *Radiology* 1987; 162: 49
- imaging the pediatric liver: MRI and CT, Weinreb JC; Cohen JM; Armstrong E; et al, *AJR* 1986; 147: 785
- increased CT density of the liver due to cis-diaminedichloro platinum (II), Aihara T; Fujioka M; Yamamoto K, *Pediatr Radiol* 1987; 17: 75
- infected bilomas and hepatic artery thrombosis in infant recipients of liver transplants: interventional radiology and medical therapy as an alternative to retransplantation, Hoffer FA; Teele RL; Lillehei CW; Vacanti JP, *Radiology* 1988; 169: 435
- isolated caudate lobe liver injury in a child: CT demonstration, Brody AS; Kaufman RA; Kirks DR, *JCAT* 1988; 12: 524
- left lobe of the liver mimicking perisplenic collections, Crivello MS; Peterson IM; Austin RM, *JCU* 1986; 14: 697
- liver allograft transplantation: postoperative CT findings, Letourneau JG; Day DL; Maile CW; et al, *AJR* 1987; 148: 1099
- mesenchymal hamartoma of the liver: computed tomography and ultrasonography, Giyanani VL; Meyers PC; Wolfson JJ, *JCAT* 1986; 10: 51
- mistaken or indeterminate CT diagnosis of hepatic metastases: the value of sonography, Brick SH; Hill MC; Lande IM, *AJR* 1987; 148: 723
- myelolipoma of the liver: CT features, Kaurich JD; Coombs RJ; Zeiss J, *JCAT* 1988; 12: 660
- obesity-related nonalcoholic fatty liver: CT features and follow-up studies after low-calorie diet, Nomura F; Ohnishi K; Ochiai T; Okuda K, *Radiology* 1987; 162: 845
- patterns of contrast enhancement of benign and malignant hepatic neoplasms during bolus dynamic and delayed CT, Freeny PC; Marks WM, *Radiology* 1986; 160: 613
- peripheral cholangiocarcinoma and clonorchiasis: CT findings, Choi BI; Park JH; Kim YI; Yu ES; Kim SH; Kim WH; Kim CY; Han MC, *Radiology* 1988; 169: 149
- periportal collar: a CT sign of liver transplant rejection, Wechsler RJ; Munoz SJ; Needleman L; Kurtz AB; Miller CL; Yang S-L; Maddrey WC; Jarrell BE, *Radiology* 1987; 165: 57
- portal thrombosis complicating appendicitis: ultrasound detection and hepatic computed tomography lobar attenuation alteration, Chan SCH; Chan F-L; Chau EMT; et al, *CT* 1988; 12: 208
- potential accuracy of dual-energy computed tomography for the determination of hepatic iron, Sephton RG, *Br J Radiol* 1986; 59: 351
- pseudometastases secondary to film static artifact, Spitzarny DL; McLeod TC; Dedrick CG; et al, *Comput Radiol* 1986; 4: 207
- pseudo-tumours of the liver on computed tomographic (CT) scanning caused by adjacent ascitic or pleural fluid, Allison MC; Dick R; Eliot C, *Australas Radiol* 1987; 31: 183
- role of computed tomography in screening for hepatocellular carcinoma in patients with cirrhosis, Henderson JM; Campbell JD; Olson R; et al, *Gastrointest Radiol* 1988; 13: 129
- "scar sign" on computed tomography and sonography in fibrolamellar hepatocellular carcinoma, Kane RA; Curatolo P; Khetry U, *CT* 1987; 11: 27
- segmental intensity differences in the liver on MR images: a sign of intrahepatic portal flow stoppage, Itai Y; Ohtomo K; Kokubo T; Okada Y; Yamauchi T; Yoshida H, *Radiology* 1988; 167: 17
- spontaneous hepatic hemorrhage: clinical and CT findings, Merine DS; Fishman EK; Zerhouni EA, *JCAT* 1988; 12: 397
- tertiary syphilis of the liver: CT appearance, Shapiro MP; Gale ME, *JCAT* 1987; 11: 546
- three-dimensional demonstration of liver and spleen by a computer graphics technique, Kashiwagi T; Mitsutani N; Koizumi T; et al, *Acta Radiol* 1988; 29: 27
- transient hepatic attenuation differences on dynamic computed tomography, Itai Y; Hachiya J; Makita K; et al, *JCAT* 1987; 11: 461
- treatment of blunt hepatic injuries: role of CT, Foley WD; Cates JD; Kellman GM; Langdon T; Aprahamian C; Lawson TL; Middleton WD, *Radiology* 1987; 164: 635
- ultrasound and computed tomographic evaluation in hepatic transplantation, Letourneau JG; Day DL; Frick MP; et al, *Radiol Clin North Am* 1987; 25: 323
- upper abdomen: CT findings following partial hepatectomy, Letourneau JG; Stealy JW; Crass JR; Goldberg ME; Grage TB; Day DL, *Radiology* 1988; 166: 139
- upper abdomen: CT findings following partial hepatectomy, Quinn SF; Bodne DJ; Clark RA; Karl RC; Nicosia SV, *Radiology* 1988; 168: 879
- upper abdomen: CT findings following partial hepatectomy: reply, Letourneau JG; Stealy JW; Crass JR; Goldberg ME; Grage TB; Day DL, *Radiology* 1988; 168: 880
- varied appearances of hepatic cavernous hemangiomas with sonography, computed tomography, magnetic resonance imaging and scintigraphy, Bree RL; Schwab RE; Glazer GM; Fink-Bennett D, *Radiographics* 1987; 7: 1153
- wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, *Radiology* 1988; 169: 578
- wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, *Radiology* 1988; 169: 579

Liver, cysts

- abdominal hydatid disease: US findings during medical treatment, Bezzi M; Teggi A; De Rosa F; Capozzi A; Tucci G; Bonifacio A; Angelini L, *Radiology* 1987; 162: 91
- antenatal detection of hepatic cyst, Chung W-M, *JCU* 1986; 14: 217
- biloma detected on hepatobiliary scan, Skarzynski JJ; Lee HK; Vieux U, *Clin Nucl Med* 1987; 12: 410
- case report. computed tomographic and ultrasound appearances of a solitary intrahepatic choledochal cyst, Austin RM; Sussman S; McArdle CR; et al, *Clin Radiol* 1986; 37: 149
- differentiation of hepatic metastases from hepatic hemangiomas and cysts by using MR imaging, Wittenberg J; Stark DD; Forman BH; et al, *AJR* 1988; 151: 79
- hepatic echinococcal cyst: successful percutaneous drainage, Morris DL, *Radiology* 1986; 159: 567
- hepatic echinococcal cyst: successful percutaneous drainage: reply, Mueller PR, *Radiology* 1986; 159: 567
- massive congenital solitary nonparasitic cyst of the liver in infancy, Athey PA; Lauderman JA; King DE, *J Ultrasound Med* 1986; 5: 585

mesenchymal hamartoma of the liver: radiologic-pathologic correlation, Ros PR; Goodman ZD; Ishak KG; Dachman AH; Olmsted WW; Hartman DS; Lichtenstein JE, *Radiology* 1986; 158: 619

palliative punctures in polycystic liver and kidney disease under sonographic monitoring, (ab), Brockmann WP; Klapdor R, *Radiology* 1986; 158: 566

spinal involvement in alveolar echinococcosis: assessment of two cases, Claudon M; Bracard S; Plenet F; Regent D; Bernadac P; Picard L, *Radiology* 1987; 162: 571

Liver, diseases

- cirrhosis: value of caudate to right lobe ratio in diagnosis with US, Giorgio A; Amoroso P; Lettieri G; Fico P; de Stefano G; Finelli L; Scala V; Tarantino L; Pierri P; Pesce G, *Radiology* 1986; 161: 443
- computed tomography of hepatic fascioliasis, Serrano MAP; Vega A; Ortega E; et al, *JCAT* 1987; 11: 269
- CT findings in hepatic and splenic amyloidosis, Suzuki S; Takizawa K; Nakajima Y; et al, *JCAT* 1986; 10: 332
- diagnosis of diffuse hepatocellular diseases using SPECT, Kodama T; Watanabe K; Hoshi H; et al, *J Nucl Med* 1986; 27: 616
- diagnostic accuracy of computerized B-scan texture analysis and conventional ultrasonography in diffuse parenchymal and malignant liver disease, (ab), Raeth U; Schlaps D; Limberg B; et al, *Radiology* 1986; 158: 287
- FM sonography in diffuse liver disease: prospective assessment and blinded analysis, Ralls PW; Johnson MB; Kanel G; Dobalian DM; Collett PM; Boswell WD Jr; Radin DR; Halls JM, *Radiology* 1986; 161: 451
- focal fatty infiltration of the liver simulating metastatic disease, Yates CK; Streight RA, *Radiology* 1986; 159: 83
- hepatic actinomycosis: CT features, Roessler PJ Jr; Wills JS, *JCAT* 1986; 10: 335
- hepatic imaging in diffuse liver disease, Drane WE; VanNess MM, *Clin Nucl Med* 1988; 13: 182
- hepatic regenerating nodules in hereditary tyrosinemia, Day DL; Letourneau JG; Allan BT; et al, *AJR* 1987; 149: 391
- hepatobiliary complications of inflammatory bowel disease, Williams SM; Harned RK, *Radiol Clin North Am* 1987; 25: 175
- hepatobiliary scintigraphy in arteriohepatic dysplasia (Alagille's syndrome), a report of two cases, Summerville DA; Marks M; Treves ST, *Pediatr Radiol* 1988; 18: 32
- hepatosplenic fungal infection: CT and pathologic evaluation after treatment with liposomal amphotericin B, Shirkhoda A; Lopez-Berestein G; Holbert JM; Luna MA, *Radiology* 1986; 159: 349
- liver scintigraphy in chronic hepatosplenic schistosomiasis: a predictor of disease severity, Sostre S; Silva de Roldan F; Zaidi MK, *Clin Nucl Med* 1987; 12: 277
- magnetic resonance imaging of parenchymal liver disease: a comparison with ultrasound, radionuclide scintigraphy and x-ray computed tomography, Clinical NMR Group The, *Clin Radiol* 1987; 38: 495
- MR imaging of a hepatoma associated with Alagille syndrome, Ong E; Williams SM; Anderson JC; et al, *JCAT* 1986; 10: 1047
- nodular regenerative hyperplasia of the liver: clinical and radiologic observations, Dachman AH; Ros PR; Goodman ZD; et al, *AJR* 1987; 148: 717
- progressive neuronal degeneration of childhood with liver disease: computed tomographic features, Kendall BE; Boyd SG; Egger J; et al, *Neuroradiol* 1987; 29: 174
- quantitative estimation of liver attenuation and echogenicity: normal state versus diffuse liver disease, Garra BS; Insana MF; Shawker TH; Russell MA, *Radiology* 1987; 162: 61
- quantitative US attenuation in normal liver and in patients with diffuse liver disease: importance of fat, Taylor KJW; Riely CA; Hammers L; Flax S; Weltin GG; Garcia-Tsao G; Conn HO; Kuc R; Barwick KW, *Radiology* 1986; 160: 65

- sonography of diffuse benign liver disease: accuracy of pattern recognition and grading. Needleman L; Kurtz AB; Rifkin MD; et al. *AJR* 1986; 146: 1011
- tertiary syphilis of the liver: CT appearance. Shapiro MP; Gale ME. *JCAT* 1987; 11: 546
- ultrasonography and scintigraphy of the liver in focal and diffuse disease. Henriksson L; Kelter U. *Acta Radiol* 1987; 28: 163
- ultrasound examination in diffuse liver disease: clinical significance of enlarged lymph nodes in the hepato-duodenal ligament. Forsberg L; Florén CH; Hederström E; et al. *Acta Radiol* 1987; 28: 281
- utility and limitations of splanchnic venous ultrasonography in diagnosis of portal hypertension. Rector WG Jr; Campa J; Ralls PW; et al. *JCU* 1986; 14: 689
- Liver, echinococcosis**
- abdominal hydatid disease: US findings during medical treatment. Bezzi M; Teggi A; De Rosa F; Capozzi A; Tucci G; Bonifascio A; Angelini L. *Radiology* 1987; 162: 91
- "contained" rupture of a liver hydatid cyst: sonographic diagnosis and long-term postoperative follow-up. Mircea PA; Cucu A; Vlaicu R. *J Ultrasound Med* 1987; 6: 339
- demonstration of intrabiliary rupture of hepatic hydatid cysts by retrograde cholangiography. Doyle TCA; Roberts-Thomson IC; Dudley FJ. *Australas Radiol* 1988; 32: 92
- hydatid cyst of the liver: rupture into the biliary tree. Marti-Bonmati L; Menor F; Ballesta A. *AJR* 1988; 150: 1051
- intrahepatic rupture of hydatid cyst: MR findings. Lupetin AR; Dash N. *AJR* 1988; 151: 491
- magnetic resonance imaging in hydatid disease. Morris DL; Buckley J; Gregson R; et al. *Clin Radiol* 1987; 38: 141
- MR imaging in hydatid disease of the liver. Hoff FL; Aisen AM; Walden ME; et al. *Gastrointest Radiol* 1987; 12: 39
- radiological changes under effect of mebendazole on univesicular hydatid cysts in the liver and lung. Bekhti A; Nizet M. *Eur J Radiol* 1986; 6: 156
- scintigraphic findings in a case of hydatid cyst of the liver communicating with the biliary system. Padhy AK; Gopinath PG; Basu AK; et al. *Clin Nucl Med* 1986; 11: 281
- ultrasonography of hepatic hydatid cysts: new diagnostic signs. Esfahani F; Rooholamini SA; Vessal K. *J Ultrasound Med* 1988; 7: 443
- ultrasound diagnosis of liver hydatid disease. Gurses N; Sungur R; Gurses N; et al. *Acta Radiol* 1987; 28: 161
- ultrasound diagnosis of ruptured hydatid cyst of the liver with biliary obstruction. Camunez F; Simo G; Robledo R; et al. *Gastrointest Radiol* 1986; 11: 330
- Liver, effects of drugs on**
- erythromycin-induced hepatitis: simulator of malignancy. Rigauts HD; Selleslag DL; Van Eyken PL; Van Damme BJ; Fevery JM; Marchal GJ. *Radiology* 1988; 169: 661
- increased CT density of the liver due to cis-diaminedichloro platinum (II). Aihara T; Fujioka M; Yamamoto K. *Pediatr Radiol* 1987; 17: 75
- Liver, fatty**
- acute fatty liver of pregnancy: CT evaluation. case report. Coche G; Moran V; Boillot A; et al. *Eur J Radiol* 1988; 8: 115
- changing pattern in focal fatty change of the liver: case report. Shah ZR; Bellon EM. *CT* 1986; 10: 261
- CT and MR imaging of fatty tumors of the liver. Itai Y; Ohtomo K; Kokubo T; et al. *JCAT* 1987; 11: 253
- diffuse fatty infiltration of the liver by magnetic resonance. Pope CF; Gore JC; Sostman HD; et al. *Magn Res Imag* 1986; 4: 267
- diffuse lung uptake of technetium-99m sulfur colloid associated with fatty liver disease of pregnancy. Blend MJ; Dondalski M. *Clin Nucl Med* 1987; 12: 287
- focal fatty change of the liver adjacent to the falciform ligament: CT and sonographic findings in five surgically confirmed cases. Yoshikawa J; Matsui O; Takashima T; et al. *AJR* 1987; 149: 491
- focal fatty infiltration of the liver mimicking a tumor: sonographic and CT features. Kawashima A; Suehiro S; Murayama S; et al. *JCAT* 1986; 10: 329
- focal fatty infiltration of the liver simulating metastatic disease. Yates CK; Streight RA. *Radiology* 1986; 159: 83
- focal hepatic masses and fatty infiltration detected by enhanced dynamic CT. Alpern MB; Lawson TL; Foley WD; Perlman SJ; Reif LJ; Arevalo E; Rimm AA. *Radiology* 1986; 158: 45
- focal periportal sparing in hepatic fatty infiltration: cause of hepatic pseudomass on US. White EM; Simeone JF; Mueller PR; Grant EG; Choyke PL; Zeman RK. *Radiology* 1987; 162: 57
- focal spared areas in fatty liver caused by regional decreased portal flow. Arai K; Matsui O; Takashima T; et al. *AJR* 1988; 151: 300
- focal sparing in fatty infiltration of the liver. Kissin CM; Bellamy EA; Cosgrove DO; et al. *Br J Radiol* 1986; 59: 25
- lipoma of the liver. Pham DH; Manley PN; Nguyen KT. *J Canad Assoc Radiol* 1986; 37: 283
- new method of measuring in vivo sound speed in the reflection mode. Hayashi N; Tamaki N; Senda M; et al. *JCU* 1988; 16: 87
- nuclear medicine evaluation of focal fatty infiltration of the liver. Baker MK; Schauwecker DS; Wenker JC; et al. *Clin Nucl Med* 1986; 11: 503
- obesity-related nonalcoholic fatty liver: CT features and follow-up studies after low-caloric diet. Nomura F; Ohnishi K; Ochiai T; Okuda K. *Radiology* 1987; 162: 845
- pseudotumor of the quadrate lobe in hepatic sonography: sign of generalized fatty infiltration. Sauerbrei EE; Lopez M. *AJR* 1986; 147: 923
- quantitative US attenuation in normal liver and in patients with diffuse liver disease: importance of fat. Taylor KJW; Riely CA; Hammers L; Flax S; Welton GG; Garcia-Tsao G; Conn HO; Kuc R; Barwick KW. *Radiology* 1986; 160: 65
- radiocolloid liver imaging in hepatic steatosis. Lisbona R; Rush CL; Derbeyan V; et al. *Clin Nucl Med* 1986; 11: 183
- role of scintigraphy in focally abnormal sonograms of fatty livers. Lisbona R; Mishkin S; Derbeyan V; et al. *J Nucl Med* 1988; 29: 1050
- "skip areas" in hepatic steatosis: sonographic-angiographic study. Marchal GJF; Tshibwabwa-Tumba E; Verbeke E; et al. *Gastrointest Radiol* 1986; 11: 151
- technetium-99m sulfur colloid diffuse lung uptake and its resolution in acute fatty liver of pregnancy. Wilf LH; Ziesman HA; Marion LI; et al. *Clin Nucl Med* 1987; 12: 951
- ultrasound case of the day: annual meeting. 1985. Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggard AH; Maywood CM. *Radiographics* 1986; 6: 921
- Liver, fibrosis**
- angiographic, hemodynamic, and histologic evaluation of portal hypertension and periportal fibrosis induced in the dog by retrograde biliary injections of sesame oil. Burgener FA; Gutierrez OH. *Invest Radiol* 1986; 21: 551
- case of the season. Fruauff AA. *Semin Roentgenol* 1988; 23: 6
- emergence of hepatic fibrosis and portal hypertension in infants and children with autosomal recessive polycystic kidney disease: initial and follow-up sonographic and radiographic findings. Premkumar A; Berdon WE; Levy J; et al. *Pediatr Radiol* 1988; 18: 123
- Liver, focal nodular hyperplasia**
- focal liver masses: differential diagnosis with pulsed Doppler US. Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR. *Radiology* 1987; 164: 643
- hepatic adenomas and focal nodular hyperplasia: dynamic CT study. Mathieu D; Bruneton JN; Drouillard J; Poinreau CC; Vaile N. *Radiology* 1986; 160: 53
- MR imaging of focal nodular hyperplasia of the liver. Schiebler ML; Kressel HY; Saul SH; et al. *JCAT* 1987; 11: 651
- MR imaging of hepatic focal nodular hyperplasia. Butch RJ; Stark DD; Malt RA. *JCAT* 1986; 10: 874
- MR imaging of hepatic focal nodular hyperplasia: characterization and distinction from primary malignant hepatic tumors. Mattison GR; Glazer GM; Quint LE; et al. *AJR* 1987; 148: 711
- Liver, function**
- evaluation of subjective assessment of liver function from radionuclide images. Jago JR; Gibson CJ; Diffey BL. *Br J Radiol* 1987; 60: 127
- Liver, gas**
- hepatic parenchymal gas after blunt trauma. Panlock DM; Paquet DJ; Clark KG; Urrutia EJ; Brinsko RE. *Radiology* 1986; 159: 343
- Liver, hemorrhage**
- control of hepatic tumor hemorrhage by transcatheter embolization with Ethibloc. Jaschke W; Hoevels J. *Acta Radiol* 1988; 29: 15
- CT diagnosis of massive hemorrhage from hepatocellular carcinoma. Cates JD; Thorsen MK; Foley WD; et al. *JCAT* 1987; 11: 81
- CT features of hemorrhagic malignant liver tumors. Siakind BN; Malat J; Hammers L; et al. *JCAT* 1987; 11: 766
- MR imaging of a hepatoma associated with Alagille syndrome. Ong E; Williams SM; Anderson JC; et al. *JCAT* 1986; 10: 1047
- postpartum hepatic hemorrhage in the syndrome of hemolysis, elevated liver enzymes, and low platelets: diagnosis by radiocolloid scanning. Lee HK; Skarzynski J; Haynes de Regt R; et al. *Clin Nucl Med* 1988; 13: 635
- serendipitous detection of a Mallory-Weiss tear on hepatic imaging. Swayne LC; Samach M. *Clin Nucl Med* 1986; 11: 597
- spontaneous hepatic hemorrhage: clinical and CT findings. Merine DS; Fishman EK; Zerhouni EA. *JCAT* 1988; 12: 397
- treatment of blunt hepatic injuries: role of CT. Foley WD; Cates JD; Kellman GM; Langdon T; Aprahamian C; Lawson TL; Middleton WD. *Radiology* 1987; 164: 635
- Liver, hernia**
- hydrothorax, ascites, and right diaphragmatic hernia. Gilsanz V; Emons D; Hansmann M; Meradji M; Donaldson JS; Omenaca F; Quero J; Tucker BL. *Radiology* 1986; 158: 243
- inversion of gallbladder secondary to traumatic herniation of liver: CT findings. Leekam RN; Ilves R; Shankar L. *JCAT* 1987; 11: 163
- Liver, hypertrophy**
- atrophy with compensatory hypertrophy of the liver in hepatic neoplasms: radiographic findings. Lorigan JG; Charnsangavej C; Carrao CH; et al. *AJR* 1988; 150: 1291
- hepatic lobar atrophy following obstruction of the ipsilateral portal vein from hilar cholangiocarcinoma. Takayasu K; Muramatsu Y; Shima Y; Moriyama N; Yamada T; Makuuchi M. *Radiology* 1986; 160: 389
- Liver, infarction**
- accurate demonstration of hepatic infarction in liver transplant recipients. Brown RKJ; Memic LDF; Busuttil RW; et al. *J Nucl Med* 1986; 27: 1428
- hepatic infarcts: new observations by CT and sonography. Lev-Toaff AS; Friedman AC; Cohen LM; et al. *AJR* 1987; 149: 87
- Liver, infection**
- amebic liver abscess: MR imaging. Ralls PW; Henley DS; Colletti PM; Benson R; Raval JK; Radin DR; Boswell WD Jr; Halls JM. *Radiology* 1987; 165: 801
- hepatic candidiasis in cancer patients: the evolving picture of the syndrome. (ab). Thaler M; Pastakia B; Shawker TH; et al. *Radiology* 1988; 168: 586
- infected bile lakes following pediatric liver transplantation: non-surgical management. Rollins NK; Andrews WS; Currarino G; Miller RH; Smith TH; Redman HC. *Radiology* 1988; 166: 169

Liver, infection

peripheral cholangiocarcinoma and
 clonorchiasis: CT findings, Choi BI; Park JH;
 Kim YI; Yu ES; Kim SH; Kim WH; Kim CY;
 Han MC, Radiology 1988; 169: 149
 radionuclide angiography in two cases of
 hepatic actinomycosis, Ueno K; Kabuto H;
 Haseida Y; et al, Clin Nucl Med 1986; 11: 44

Liver, inflammation

See Hepatitis

Liver, injuries

hepatic and splenic injury in children: role of
 CT in the decision for laparotomy, Brick SH;
 Taylor GA; Potter BM; Eichelberger MR,
 Radiology 1987; 165: 643
 hepatic parenchymal gas after blunt trauma,
 Panicek DM; Faquet DJ; Clark KG;
 Urrutia EJ; Brinsko RE, Radiology 1986; 159:
 343
 isolated caudate lobe liver injury in a child: CT
 demonstration, Brody AS; Kaufman RA;
 Kirks DR, JCAT 1988; 12: 524
 liver trauma with bile leakage detected by
 hepatobiliary scintigraphy, Itoh H;
 Shimono R; Hamamoto K, Clin Nucl Med
 1987; 12: 72
 patterns of liver injury in childhood: CT
 analysis, Stalker HP; Kaufman RA;
 Towbin RB, AJR 1986; 147: 1199
 percutaneous drainage for post-traumatic
 hepatic abscess in children under
 ultrasound imaging, Taguchi T; Ikeda K;
 Yakabe S; et al, Pediatr Radiol 1988; 18: 85
 president's address: caring for the major
 trauma victim: role for radiology, McCort JJ,
 Radiology 1987; 163: 1
 sonographic findings in traumatic hemobilia:
 report of two cases and review of the
 literature, Sax SL; Athey PA; Lamki N; et al,
 JCU 1988; 16: 29
 treatment of blunt hepatic injuries: role of CT,
 Foley WD; Cates JD; Kellman GM;
 Langdon T; Abrahamian C; Lawson TL;
 Middleton WD, Radiology 1987; 164: 635
 use of CT in acute trauma victims, Young JWR;
 Burgess AR, Radiology 1988; 166: 903
 use of CT in acute trauma victims: reply,
 McCort JJ, Radiology 1988; 166: 903

Liver, interventional procedure

echo-guided percutaneous puncture: a safe
 and valuable therapeutic tool for amebic
 liver abscess, Giorgio A; Amoroso P;
 Francica G; et al, Gastrointest Radiol 1988;
 13: 336
 external-internal cross-connection for bilateral
 percutaneous biliary drainage, Becker CD;
 Fache JS; Gibney RG; et al, AJR 1987; 149: 91
 infected bile lakes following pediatric liver
 transplantation: nonsurgical management,
 Rollins NK; Andrews WS; Currarino G;
 Miller RH; Smith TH; Redman HC,
 Radiology 1988; 166: 169
 interventional radiology: reflections and
 expectations, the 1985 Eugene P.
 Fendergrass New Horizons Lecture,
 White KI Jr, Radiology 1987; 162: 593
 percutaneous aspiration and drainage of
 hydatid cysts in the liver, Bret PM; Fond A;
 Bretagnolle M; Valette PJ; Thiesse P;
 Lambert R; Labadie M, Radiology 1988; 168:
 617
 percutaneous drainage for post-traumatic
 hepatic abscess in children under
 ultrasound imaging, Taguchi T; Ikeda K;
 Yakabe S; et al, Pediatr Radiol 1988; 18: 85
 small hepatocellular carcinoma: percutaneous
 alcohol injection—results in 23 patients,
 Livraghi T; Salmi A; Bolondi L; Marin G;
 Arienti V; Monti F; Vettori C, Radiology
 1988; 168: 313

Liver, iron content

MR evaluation of liver iron overload,
 Hernandez RJ; Sarnaik SA; Lande I; et al,
 JCAT 1988; 12: 91
 potential accuracy of dual-energy computed
 tomography for the determination of
 hepatic iron, Sephton RG, Br J Radiol 1986;
 59: 351
 work in progress: dual energy CT estimation
 of liver iron content in thalassemic
 children, Leighton DM; de Campo JF;
 Matthews R; et al, Australas Radiol 1988; 32:
 214

Liver, MR studies

1.5 T *in vivo* ³¹P NMR spectroscopy of the
 human liver using a sectorial resonator,
 Crist TM; Jesmanowicz A; Froncisz W; et al,
 Magn Res Med 1986; 3: 135
 abdominal-gastrointestinal radiology. RSNA
 '87 meeting notes, Moss AA; Baron RL;
 Balfe DM, Radiology 1988; 166: 595
 advances in hepatobiliary radiology,
 Ferrucci JT; Freeny PC; Stark DD; Foley WD;
 Mueller PR; May G; Burhenne HJ,
 Radiology 1988; 168: 319
 amebic liver abscess: diagnosis and treatment
 evaluation with MR imaging, Elizondo G;
 Weissleder R; Stark DD; Todd LE;
 Compton C; Wittenberg J; Ferrucci JT Jr,
 Radiology 1987; 165: 795
 amebic liver abscess: MR imaging, Ralls PW;
 Henley DS; Colletti PM; Benson R; Raval JK;
 Radin DR; Boswell WD Jr; Halls JM,
 Radiology 1987; 165: 801
 angiolipoma of the liver: CT, MR, and
 ultrasound imaging, Fobbe F; Hamm B;
 Schwarting R, JCAT 1988; 12: 658
 application of image-guided surface coil P-31
 MR spectroscopy to human liver, heart, and
 kidney, Matson GB; Twieg DB; Karcmar GS;
 Lawry TJ; Guber JR; Valenza M; Boska MD;
 Weiner MW, Radiology 1988; 169: 541
 contrast optimization for the detection of focal
 hepatic lesions by MR imaging at 1.5 T,
 Foley WD; Kneeland JB; Cates JD; et al, AJR
 1987; 149: 1155
 conventional and rapid MR imaging of the
 liver with Gd-DTPA, Hamm B; Wolf K-J;
 Felix R, Radiology 1987; 164: 313
 correlation between MR and angiography in
 portal hypertension, Torres WE;
 Gaylord GM; Whitmire LF; et al, AJR 1987;
 148: 1109
 CT and MR imaging of radiation hepatitis,
 Unger EC; Lee JKT; Weyman PJ, JCAT 1987;
 11: 264
 differentiation of hepatic metastases from
 hepatic hemangiomas and cysts by using
 MR imaging, Wittenberg J; Stark DD;
 Forman BH; et al, AJR 1988; 151: 79
 diffuse fatty infiltration of the liver by
 magnetic resonance, Pope CF; Gore JC;
 Sosman HD; et al, Magn Res Imag 1986; 4:
 267
 distinction of hepatic cavernous hemangioma
 from hepatic metastases with MR imaging,
 Li KC; Glazer GM; Quint LE; Francis IR;
 Aisen AM; Ensminger WD; Bookstein FL,
 Radiology 1988; 169: 409
 fast-field-echo MR imaging with Gd-DTPA:
 physiologic evaluation of the kidney and
 liver, Pettigrew RI; Avuruch L; Dannels W;
 Coumans J; Bernardino ME, Radiology 1986;
 160: 561
 ferromagnetic particles as contrast agents for
 magnetic resonance imaging of liver and
 spleen, Dias MHM; Lauterbur PC, Magn Res
 Med 1986; 3: 328
 first year of experience with P-31 magnetic
 resonance studies of human liver,
 Oberhaensli RD; Galloway GJ;
 Taylor DJ; et al, Magn Res Imag 1986; 4: 413
 gadolinium-labeled liposomes: targeted MR
 contrast agents for the liver and spleen,
 Kabalka G; Buonocore E; Hubner K; Moss T;
 Norley N; Huang L, Radiology 1987; 163:
 255
 Gaucher disease: assessment with MR
 imaging, Lanir A; Hadar H; Cohen I; Tal Y;
 Benmair J; Schreiber R; Clouse ME,
 Radiology 1986; 161: 239
 hemangioma of the liver: heterogeneous
 appearance on T2-weighted images, Ros PR;
 Lubbers PR; Olmsted WW; et al, AJR 1987;
 149: 1167
 hepatic artery aneurysm: CT and MR features,
 Zalman M; Matos C; Van Gansbeke D; et al,
 Gastrointest Radiol 1987; 12: 203
 hepatic hemangiomas: evaluation by magnetic
 resonance imaging and technetium-99m red
 blood cell scintigraphy, Brown RKJ;
 Gomes A; King W; et al, J Nucl Med 1987;
 28: 1683
 hepatic MR imaging at 1.5 T, Foley WD,
 Radiology 1988; 168: 326
 hepatic tumors: dynamic MR imaging,
 Ohtomo K; Itai Y; Yoshikawa K; Kokubo T;
 Yashiro N; Iio M; Furukawa K, Radiology
 1987; 163: 27

hepatocellular carcinoma: MR appearance
 mimicking focal nodular hyperplasia,
 Wilbur AC; Gyi B, AJR 1987; 149: 721
 imaging the pediatric liver: MRI and CT,
 Weinreb JC; Cohen JM; Armstrong E; et al,
 AJR 1986; 147: 785
 intrahepatic rupture of hydatid cyst: MR
 findings, Lupetin AR; Dash N, AJR 1988;
 151: 491
in vivo H-1 spectroscopy in humans at 1.5 T,
 Bárány M; Langer BG; Glick RF;
 Venkatasubramanian PN; Wilbur AC;
 Spigos DG, Radiology 1988; 167: 839
in-vivo measurement of spin lattice relaxation
 time (T₁) of liver in healthy volunteers: the
 effects of age, sex and oral contraceptive
 usage, Richards MA; Webb JAW;
 Jewell SE; et al, Br J Radiol 1988; 61: 34
in vivo measurements of relaxation process in
 the human liver by MRI: the role of
 respiratory gating/trigging, Thomsen C;
 Henriksen O; Ring P, Magn Res Imag 1988;
 6: 431
in vivo ³¹P-MR spectroscopy of the liver in the
 infant rabbit to study the effect of hypoxia
 on the phosphorus metabolites and
 intracellular pH, Schmidt HC; Gooding CA;
 James TL, Invest Radiol 1986; 21: 156
 liver adenine nucleotide metabolism during
 ischemia and reperfusion of mice livers
 studied by phosphorous-31 nuclear
 magnetic resonance, Lee RGL; Lanir A;
 Clouse ME, Invest Radiol 1987; 22: 479
 liver metastases: detection by phase-contrast
 MR imaging, Stark DD; Wittenberg J;
 Middleton MS; Ferrucci JT Jr, Radiology
 1986; 158: 327
 liver volume measurements and three-
 dimensional display from MR images,
 McNeal GR; Maynard WH; Branch RA;
 Powers TA; Arns PA; Gunter K;
 Fitzpatrick JM; Partain CL, Radiology 1988;
 169: 851
 lobar intensity differences of the liver on MR
 imaging, Itai Y; Ohtomo K; Furui S; et al,
 JCAT 1986; 10: 236
 magnetic resonance imaging in hydatid
 disease, Morris DL; Buckley J;
 Gregson R; et al, Clin Radiol 1987; 38: 141
 magnetic resonance imaging of parenchymal
 liver disease: a comparison with ultrasound,
 radionuclide scintigraphy and x-ray
 computed tomography, Clinical NMR
 Group The, Clin Radiol 1987; 38: 495
 MR evaluation of liver iron overload,
 Hernandez RJ; Sarnaik SA; Lande I; et al,
 JCAT 1988; 12: 91
 MRI in organ transplantation, Lund G;
 Letourneau JG; Day DL; et al, Radiol Clin
 North Am 1987; 25: 281
 MR imaging in hydatid disease of the liver,
 Hoff FL; Aisen AM; Walden ME; et al,
 Gastrointest Radiol 1987; 12: 39
 MR imaging of a hepatoma associated with
 Alagille syndrome, Ong E; Williams SM;
 Anderson JC; et al, JCAT 1986; 10: 1047
 MR imaging of focal hemochromatosis,
 Murphy FB; Bernardino ME, JCAT 1986; 10:
 1044
 MR imaging of focal liver masses, Stark DD,
 Radiology 1988; 168: 323
 MR imaging of focal nodular hyperplasia of
 the liver, Schiebler ML; Kressel HY;
 Saul SH; et al, JCAT 1987; 11: 651
 MR imaging of hepatic focal nodular
 hyperplasia, Butch RJ; Stark DD; Malt RA,
 JCAT 1986; 10: 874
 MR imaging of hepatic focal nodular
 hyperplasia: characterization and distinction
 from primary malignant hepatic tumors,
 Mattison GR; Glazer GM; Quint LE; et al,
 AJR 1987; 148: 711
 MR imaging of liver abscesses: application of
 Gd-DTPA, Schmiedl U; Pasjanen H;
 Arakawa M; et al, Magn Res Imag 1988; 6: 9
 MR imaging of the liver, Ferrucci JT Jr, AJR
 1986; 147: 1103
 MR imaging of the liver, kidneys, and adrenal
 glands, Glazer GM, Radiology 1988; 166: 303
 nuclear magnetic resonance of the liver,
 spleen, and pancreas, Stark DD; Moss AA;
 Goldberg HL, Cardiovasc Intervent Radiol
 1986; 8: 329
 postoperative assessment of splenorenal
 shunts with MRI: preliminary investigation,
 Cohen JM; Weinreb JC; Redman HC, AJR
 1986; 146: 597

- pyogenic liver abscess: contrast-enhanced MR imaging in rats, Weissleder R; Saini S; Stark DD; et al, *AJR* 1988; 150: 115
- quantitation of MR relaxation effects of iron oxide particles in liver and spleen, Majumdar S; Zoghbi S; Pope CF; Gore JC, *Radiology* 1988; 169: 653
- rapid MR imaging with suspended respiration: clinical application in the liver, Edelman RR; Hahn PF; Buxton R; Wittenberg J; Ferrucci JT Jr; Saini S; Brady TJ, *Radiology* 1986; 161: 125
- regenerating nodules of liver cirrhosis: MR imaging, Imai Y; Ohnishi S; Ohtomo K; Kokubo T; Yoshida H; Yoshikawa K; Imawari M, *Radiology* 1987; 165: 419
- sectorial loop-gap resonator for ^{31}P NMR of the adult human liver at 1.5 T with surface tissue suppression, Jesmanowicz A; Froncisz W; Grist TM; et al, *Magn Res Med* 1986; 3: 76
- segmental intensity differences in the liver on MR images: a sign of intrahepatic portal flow stoppage, Imai Y; Ohtomo K; Kokubo T; Okada Y; Yamauchi T; Yoshida H, *Radiology* 1988; 167: 17
- single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T, Unger EC; Cohen MS; Gatenby RA; et al, *JCAT* 1988; 12: 575
- sodium imaging of human body organs and extremities in vivo, Granot J, *Radiology* 1988; 167: 547
- strategies for magnetic resonance imaging of focal liver disease, Kressel HY, *Radiol Clin North Am* 1988; 26: 607
- superparamagnetic iron oxide: clinical application as a contrast agent for MR imaging of the liver, Stark DD; Weissleder R; Elizondo G; Hahn PF; Saini S; Todd LE; Wittenberg J; Ferrucci JT, *Radiology* 1988; 168: 297
- varied appearances of hepatic cavernous hemangiomas with sonography, computed tomography, magnetic resonance imaging and scintigraphy, Bree RL; Schwab RE; Glazer GM; Fink-Bennett D, *Radiographics* 1987; 7: 1153
- Liver, necrosis**
- fatal diphenylhydantoin-induced hepatic necrosis: sonographic-pathologic correlation, Fishman MC; Fischer AH; Arger PH; et al, *JCU* 1986; 14: 722
- ischemic hepatic necrosis: cause of fetal liver calcification, Nguyen DL; Leonard JC, *AJR* 1987; 147: 596
- "pseudo" abdominal situs inversus following trauma, Grimmer AP; Karimeddini MK; Spencer RP, *Clin Nucl Med* 1986; 11: 809
- Liver, neoplasms**
- See Liver neoplasms
- Liver, percutaneous drainage**
- See Liver, interventional procedure
- Liver, radionuclide studies**
- 17-Iodine-123 iodoheptadecanoic acid for metabolic liver studies in humans, Hock A; Spohr G; Schmitz M; et al, *J Nucl Med* 1986; 27: 1533
- accumulation of technetium-99m MDP in a cavernous hemangioma of the liver, Burkhalter JL; Morano JU; Patel BR, *Clin Nucl Med* 1986; 11: 498
- anterior dynamic imaging of the liver and spleen, David R; Shirkhoda A; McCartney WH, *Clin Nucl Med* 1988; 13: 402
- biliary obstruction after cholecystectomy: diagnosis with quantitative cholescintigraphy, Kloiber R; AuCoin R; Hershfield NB; Logan K; Molnar CP; Blair KM; Shaffer EA, *Radiology* 1988; 169: 643
- blood pool SPECT and planar imaging in hepatic hemangioma, Malik MH, *Clin Nucl Med* 1987; 12: 543
- Budd-Chiari syndrome: typical and atypical scintigraphic aspects, Picard M; Carrier L; Chartrand R; et al, *J Nucl Med* 1987; 28: 803
- case of bizarre liver form variation, Ugarkovic B; Tezak S; Plavsic B; et al, *Clin Nucl Med* 1987; 12: 461
- cavernous hemangioma: why is peripheral filling at scintigraphy so rare?, Drane WE; Weatherly E III, *Clin Nucl Med* 1987; 12: 793
- colloid shift in technetium-99m sulfur colloid liver-spleen scans of trauma patients, Lee HK; Kajubi S, *Clin Nucl Med* 1987; 12: 801
- detection of an ileal cavernous hemangioma by technetium-99m red blood cell imaging, Holloway H; Johnson J; Sandler M, *Clin Nucl Med* 1988; 13: 32
- diagnosis of diffuse hepatocellular diseases using SPECT, Kodama T; Watanabe K; Hoshi H; et al, *J Nucl Med* 1986; 27: 616
- diffuse hepatic uptake of technetium-99m methylene diphosphonate in a patient receiving high dose methotrexate, Flynn BM; Treves ST, *J Nucl Med* 1987; 28: 532
- discordant uptake of technetium-99m DISIDA and technetium-99m sulfur colloid in an amebic abscess, Allard JC; Lee VW; Foster J, *Clin Nucl Med* 1988; 13: 114
- effect of patient positioning on liver size estimation, Jackson ML; Zuckier L; Goldfarb CR; et al, *J Nucl Med* 1986; 27: 1632
- enhancement of hepatic gallium-67 uptake by asialo-transferrin, Scheffel U; Wagner HN Jr; Tsan M-F, *J Nucl Med* 1986; 27: 395
- erythromycin hepatotoxicity: rare cause of a false-positive technetium-99m DISIDA study, Swayne LC; Kole J, *Clin Nucl Med* 1986; 11: 10
- evaluation of subjective assessment of liver function from radionuclide images, Jago JR; Gibson CJ; Diffey BL, *Br J Radiol* 1987; 60: 127
- false-positive early indium-111 leukocyte scan, Lomena F; Abello R; Garcia A; et al, *Clin Nucl Med* 1987; 12: 391
- false-positive radiocolloid liver image due to a subphrenic abscess, Shih W-J; Daniel T; DeLand FH; et al, *Clin Nucl Med* 1986; 11: 400
- gallbladder visualization after hepatic washout, Drane WE, *Clin Nucl Med* 1987; 12: 453
- hepatic activity on perfusion lung images, Richards-Carty C; Mishkin FS, *Semin Nucl Med* 1987; 17: 85
- hepatic amyloidosis in an IV drug abuser detected by bone scintigraphy, Ferraro EM; Alfieri FR; Lee M; et al, *Clin Nucl Med* 1987; 12: 274
- hepatic arterial and portal venous components of liver blood flow: a dynamic scintigraphic study, O'Connor MK; MacMathuna P; Keeling PWN, *J Nucl Med* 1988; 29: 466
- hepatic cavernous hemangioma: diagnosis with $^{99\text{m}}\text{Tc}$ -labeled red cells and single-photon emission CT, Brodsky RL; Friedman AC; Maurer AH; et al, *AJR* 1987; 148: 125
- hepatic hemangiomas: evaluation by magnetic resonance imaging and technetium-99m red blood cell scintigraphy, Brown RKJ; Gomes A; King W; et al, *J Nucl Med* 1987; 28: 1683
- hepatic hemangioma: unexpected bone scan finding, Le Bel L; Carrier L; Chartrand R; et al, *Clin Nucl Med* 1988; 13: 132
- hepatic hot spot on both radiocolloid and hepatobiliary imaging in acute cholecystitis, Slavin JD Jr; Yousufani S; Spencer RP, *Clin Nucl Med* 1987; 12: 536
- hepatic imaging in diffuse liver disease, Drane WE; VanNess MM, *Clin Nucl Med* 1988; 13: 182
- hepatic manifestations of glucose phosphatase deficiency, duCret RP; Boudreau RJ; Kelley CJ; et al, *Clin Nucl Med* 1987; 12: 963
- hepatic photopenia in gallium imaging, Glaser AM; Chen DCP; Siegel ME, *Clin Nucl Med* 1988; 13: 502
- hepatic uptake of technetium-99m diisopropyl iminodiacetic acid (DISIDA) is not impaired by very high serum bilirubin levels, Ascher SA; Sarkar SD; Spivak WB, *Clin Nucl Med* 1988; 13: 1
- hepatobiliary scintigraphy in arteriohepatic dysplasia (Alagille's syndrome): a report of two cases, Summerville DA; Marks M; Treves ST, *Pediatr Radiol* 1988; 18: 32
- hepatobiliary scintigraphy in patients receiving hepatic artery infusion chemotherapy (ab), Housholder DF; Hynes HE; Dakhil SR; et al, *Radiology* 1986; 159: 821
- liver scintigraphy in chronic hepatosplenic schistosomiasis: a predictor of disease severity, Sostre S; Silva de Roldan F; Zaidi MK, *Clin Nucl Med* 1987; 12: 277
- liver trauma with bile leakage detected by hepatobiliary scintigraphy, Itoh H; Shimono K; Hamamoto K, *Clin Nucl Med* 1987; 12: 72
- multiple anaerobic hepatic abscesses demonstrated on hepatobiliary scintigraphy, Moreno AJ; Battafarano NJ; Nelson PM; et al, *Clin Nucl Med* 1986; 11: 204
- nonvisualization of the liver by indium-111 oxine labeled leukocytes in alcoholic liver disease, Segall GM; Goodwin DA, *Clin Nucl Med* 1986; 11: 79
- normal hepatic and splenic size in children: scintigraphic determination, Markisz JA; Treves ST; Davis KT, *Pediatr Radiol* 1987; 17: 273
- nuclear medicine evaluation of focal fatty infiltration of the liver, Baker MK; Schauwecker DS; Wenker JC; et al, *Clin Nucl Med* 1986; 11: 503
- pathognomonic scintigraphic finding of hepatic cavernous hemangioma, Kim SM; Park CH; Yang S-L; et al, *Clin Nucl Med* 1987; 12: 53
- planar and SPECT Tc-99m red blood cell imaging in hepatic cavernous hemangiomas and other hepatic lesions, Intenzo C; Kim S; Madsen M; et al, *Clin Nucl Med* 1988; 13: 237
- "pseudo" abdominal situs inversus following trauma, Grimmer AP; Karimeddini MK; Spencer RP, *Clin Nucl Med* 1986; 11: 809
- pseudo-splenic uptake in a DISIDA scan: a normal liver variant, Vazquez R; Oates E; Hesla R, *Clin Nucl Med* 1987; 12: 763
- quantitative single photon emission computed tomography applied to a comparison of propanetriphosphonate and albumin colloid for liver and spleen scintigraphy, Axelsson B; Jacobsson H, *Acta Radiol* 1988; 29: 321
- radiocolloid liver imaging in hepatic steatosis, Lisbona R; Rush CL; Derbekyan V; et al, *Clin Nucl Med* 1986; 11: 183
- radiocolloid scintigraphy in Felty's syndrome, Shih W-J; Domstad PA; Li C-Y; et al, *AJR* 1986; 147: 181
- radionuclide evaluation of liver transplants, Hawkins RA; Hall T; Gambhir SS; et al, *Semin Nucl Med* 1988; 18: 199
- radionuclide imaging in a case of tertiary syphilis involving the liver and bones, Cronin EB; Williams WH; Tow DE, *J Nucl Med* 1987; 28: 1047
- radionuclide imaging in histiocytosis X, Schaub T; Ash JM; Gilday DL, *Pediatr Radiol* 1987; 17: 397
- radionuclide imaging of primary tumors and tumor-like conditions of the liver, Drane WE; Krasicky GA; Johnson DA, *Clin Nucl Med* 1987; 12: 569
- renal uptake in liver scan, Tiu S; Klein B; Kramer EL; et al, *Semin Nucl Med* 1986; 16: 80
- role of scintigraphy in focally abnormal sonograms of fatty livers, Lisbona R; Mishkin S; Derbekyan V; et al, *J Nucl Med* 1988; 29: 1050
- scintigraphic evaluation of liver transplant function, Loken MK; Ascher NL; Boudreau RJ; et al, *J Nucl Med* 1986; 27: 451
- scintigraphic findings in a case of hydatid cyst of the liver communicating with the biliary system, Padhy AK; Gopinath PG; Kasu AK; et al, *Clin Nucl Med* 1986; 11: 281
- scintigraphic findings in Gaucher's disease, Israel O; Jerushalmi J; Front D, *J Nucl Med* 1986; 27: 1557
- scintigraphic findings in infantile hemangioendothelioma, Noel AW; Heyman S, *Clin Nucl Med* 1986; 11: 413
- serendipitous detection of a Mallory-Weiss tear on hepatic imaging, Swayne LC; Samach M, *Clin Nucl Med* 1986; 11: 597
- simplified method of assessing hemodynamics in technetium-99m sulfur colloid liver imaging, Tong ECK; Son Y-O; Lee CHS, *Clin Nucl Med* 1987; 12: 723
- single photon emission computed tomography and transmission computed tomography in the evaluation of liver disease, Yudd AP; Van Heertum RL; Brunetti JC, *Clin Nucl Med* 1988; 13: 397

small hepatocellular carcinomas in chronic liver disease: detection with SPECT.
Kudo M; Hirasa M; Takakuwa H; Ibuki Y; Fujimi K; Miyamura M; Tomita S; Komori H; Todo A; Kitaura Y; Ikekubo K; Torizuka K. *Radiology* 1986; 159: 697

SPECT liver imaging using an iterative attenuation correction algorithm and an external flood source, Malko JA; Van Heertum RL; Gullberg GT; et al. *J Nucl Med* 1986; 27: 701

spleen/liver ratio in RES-scintigraphy: a comparison between posterior registration and emission computed tomography, Friman L; Söderberg B. *Acta Radiol* 1987; 28: 439

technetium-99m DISIDA hepatobiliary tract imaging in pseudotumors of the liver, Patel CR. *Clin Nucl Med* 1987; 12: 777

technetium-99m-labeled red blood cells in the evaluation of hemangiomas of the liver in infants and children, Miller JH. *J Nucl Med* 1987; 28: 1412

technetium-99m red blood cell scintigraphy in diagnosis of hepatic hemangioma, Prakash R; Jena A; Behari V; et al. *Clin Nucl Med* 1987; 12: 235

technetium-99m sulfur colloid diffuse lung uptake and its resolution in acute fatty liver of pregnancy, Wilf LH; Ziessman HA; Marion LJ; et al. *Clin Nucl Med* 1987; 12: 951

time-based multiple organ functional images, Freeman ML; Kaplan E. *Semin Nucl Med* 1987; 17: 39

ultrasonography and scintigraphy of the liver in focal and diffuse disease, Henriksson L; Kelter U. *Acta Radiol* 1987; 28: 165

ultrasound scanning and ^{99m}Tc sulphur colloid scintigraphy in diagnosis of Budd-Chiari syndrome, (ab), Powell-Jackson PR; Karani J; Ede RJ; et al. *Radiology* 1987; 164: 881

unusual cause of a hot spot on sulfur colloid liver imaging, Jackson DE Jr; Floyd JL. *Clin Nucl Med* 1986; 11: 549

unusual hepatic uptake pattern of technetium-99m sulfur colloid and technetium-99m HDP in amyloidosis, Vincent LM; McCartney WH; Flynn TC. *Clin Nucl Med* 1986; 11: 436

utility of SPECT liver-spleen imaging in the evaluation of a possible accessory spleen, Guze BH; Hawkins R. *Clin Nucl Med* 1988; 13: 496

varied appearances of hepatic cavernous hemangiomas with sonography, computed tomography, magnetic resonance imaging and scintigraphy, Bree RL; Schwab RE; Glazer GM; Fink-Bennett D. *Radiographics* 1987; 7: 1153

visualization of the left hepatic lobe during radioisotopic venography/lung imaging with technetium-99m MAA, Bartold KP; Fancher M; Abghari R. *Clin Nucl Med* 1986; 11: 259

Liver, rupture

diagnostic value of ultrasonography in neonatal liver rupture, Zorzi C; Ferale R; Benini F; et al. *Pediatr Radiol* 1986; 16: 425

sonographic findings in traumatic hemobilia: report of two cases and review of the literature, Sax SL; Athey PA; Lamki N; et al. *JCU* 1988; 16: 29

transcatheter embolization of liver capsule perforation during transvenous liver biopsy, Brailon A; Revert R; Remond A; et al. *Gastrointest Radiol* 1986; 11: 279

Liver, size

agenesis of the right lobe of the liver, Radin DR; Colletti PM; Ralls PW; Boswell WD Jr; Halls JM. *Radiology* 1987; 164: 639

Budd-Chiari syndrome: dynamic CT, Mathieu D; Vassil N; Menu Y; Van Beers B; Lorphelin JM; Pringot J. *Radiology* 1987; 165: 409

cirrhosis: value of caudate to right lobe ratio in diagnosis with US, Giorgio A; Amoroso P; Lettieri G; Fico P; de Stefano G; Finelli L; Scala V; Tarantino L; Pierri P; Pesce G. *Radiology* 1986; 161: 443

liver volume measurements and three-dimensional display from MR images, McNeal GR; Maynard WH; Branch RA; Powers TA; Arns PA; Gunter K; Fitzpatrick JM; Partain CL. *Radiology* 1988; 169: 851

normal hepatic and splenic size in children: scintigraphic determination, Markisz JA; Treves ST; Davis RT. *Pediatr Radiol* 1987; 17: 273

obesity-related nonalcoholic fatty liver: CT features and follow-up studies after low-caloric diet, Nomura F; Ohnishi K; Ochiai T; Okuda K. *Radiology* 1987; 162: 845

Liver, surgery

clinical experience with intraoperative Doppler color flow imaging in hepatectomy, Sukigara M; Koga K; Komazaki T; et al. *JCU* 1987; 15: 9

median hepatectomy using ultrasonic dissection for complex hepatobiliary problems, (ab), Fiddian-Green RG; Siviski PR; Karol SV. *Radiology* 1988; 169: 880

monitoring hepatic cryosurgery with sonography, Onik G; Kane R; Steele G; et al. *AJR* 1986; 147: 665

upper abdomen: CT findings following partial hepatectomy, Letourneau JG; Steely JW; Crass JR; Goldberg ME; Grage TB; Day DL. *Radiology* 1988; 166: 139

upper abdomen: CT findings following partial hepatectomy, Quinn SF; Bodne DJ; Clark RA; Karl RC; Nicosia SV. *Radiology* 1988; 168: 879

upper abdomen: CT findings following partial hepatectomy: reply, Letourneau JG; Steely JW; Crass JR; Goldberg ME; Grage TB; Day DL. *Radiology* 1988; 168: 880

Liver, transplantation

abdominal sonography after hepatic transplantation: results in 36 patients, Letourneau JG; Day DL; Ascher NL; et al. *AJR* 1987; 149: 299

accurate demonstration of hepatic infarction in liver transplant recipients, Brown RKJ; Memic LDF; Busuttil RW; et al. *J Nucl Med* 1986; 27: 1428

acute allograft rejection in liver transplant recipients: lack of correlation with loss of hepatic artery diastolic flow, Longley DG; Skolnick ML; Sheahan DG. *Radiology* 1988; 169: 417

angiographic and interventional radiologic considerations in liver transplantation, Cardella JF; Castaneda-Zuniga WR; Hunter DW; et al. *AJR* 1986; 146: 143

biliary complications after liver transplantation in patients with preexisting sclerosing cholangitis, Letourneau JG; Day DL; Hunter DW; Ascher NL; Najarian JS; Thompson WM; Castaneda-Zuniga WR. *Radiology* 1988; 167: 349

cholangiographic findings in hepatic artery occlusion after liver transplantation, Zajko AB; Campbell WL; Logsdon GA; et al. *AJR* 1987; 149: 485

clinical considerations in orthotopic liver transplantation, Tzakis AG; Gordon RD; Makowka L; et al. *Radiol Clin North Am* 1987; 25: 289

CT appearance of impaired lymphatic drainage in liver transplants, Marincek B; Barbier PA; Becker CD; et al. *AJR* 1986; 147: 519

development and regression of visceral artery aneurysms following liver transplantation: case report, Larson PA; Lipchik EO; Adams MB. *Cardiovasc Intervent Radiol* 1988; 11: 75

duplex Doppler sonography in the evaluation of adult patients before and after liver transplantation, Longley DG; Skolnick ML; Zajko AB; et al. *AJR* 1988; 151: 687

duplex sonography of hepatic artery thrombosis after liver transplantation, Flint EW; Sumkin JH; Zajko AB; et al. *AJR* 1988; 151: 481

hepatic abscess in liver transplantation: accurate diagnosis and treatment, Brown RKJ; Memic LDF; Pusey EJ; et al. *Clin Nucl Med* 1986; 11: 233

hepatic artery thrombosis after liver transplantation: radiologic evaluation, Segel MC; Zajko AB; Bowen A; et al. *AJR* 1986; 146: 137

hepatopetal collaterals after portal vein thrombosis following liver transplantation, Zajko AB; Bron KM; Cardiovasc Intervent Radiol 1986; 9: 46

imaging of vascular complications after hepatic transplantation, Dalen K; Day DL; Ascher NL; et al. *AJR* 1988; 150: 1285

improvement of cerebral CT abnormalities following liver transplantation in a patient with Wilson disease, Rothfus WE; Hirsch WL; Malatack JJ; et al. *JCAT* 1988; 12: 138

incidence and implications of chest radiographic abnormalities following orthotopic liver transplantation, Costello P; Williams CR; Jenkins RW; et al. *J Canad Assoc Radiol* 1987; 38: 90

infected bile lakes following pediatric liver transplantation: nonsurgical management, Rollins NK; Andrews WS; Currarino G; Miller RH; Smith TH; Redman HC. *Radiology* 1988; 166: 169

infected bilomas and hepatic artery thrombosis in infant recipients of liver transplants: interventional radiology and medical therapy as an alternative to retransplantation, Hoffer FA; Teele RL; Lillehei CW; Vacanti JP. *Radiology* 1988; 169: 435

liver allograft transplantation: postoperative CT findings, Letourneau JG; Day DL; Maile CW; et al. *AJR* 1987; 148: 1099

liver transplant recipients: portable duplex US with correlative angiography, Taylor KJW; Morse SS; Weltin GG; Riely CA; Flye MW. *Radiology* 1986; 159: 357

liver transplant rejection: angiographic findings in 35 patients, White RM; Zajko AB; Demetris AJ; et al. *AJR* 1987; 148: 1095

liver transplant rejection arteritis: serial hepatic arteriography, Morse SS; Reuben A; Strauss EB; et al. *Cardiovasc Intervent Radiol* 1986; 9: 191

lung uptake of technetium-99m phosphate compounds after liver transplantation, Raisis IP; Park CH; Yang SL; et al. *Clin Nucl Med* 1988; 13: 188

MR evaluation of the portal vein in pediatric liver transplant candidates, Day DL; Letourneau JG; Allan BT; et al. *AJR* 1986; 147: 1027

MRI in organ transplantation, Lund G; Letourneau JG; Day DL; et al. *Radiol Clin North Am* 1987; 25: 281

neuroradiologic aspects of pediatric orthotopic liver transplantation, Rothfus WE; Hirsch WL; Latchaw RE; et al. *AJNR* 1988; 9: 303

percutaneous transhepatic cholangiography and biliary drainage after liver transplantation: five-year experience, Zajko AB; Bron KM; Campbell WL; et al. *Gastrointest Radiol* 1987; 12: 137

periportal collar: a CT sign of liver transplant rejection, Wechsler RJ; Munoz SJ; Needleman L; Kurtz AB; Miller CL; Yang S-L; Maddrey WC; Jarrell BE. *Radiology* 1987; 165: 57

postoperative angiographic and interventional radiologic evaluation of liver recipients, Cardella JF; Amplatz K. *Radiol Clin North Am* 1987; 25: 309

posttransplantation cyclosporine-induced lymphoproliferative disorders: clinical and radiologic manifestations, Harris KM; Schwartz ML; Slasky BS; Nalesnik M; Makowka L. *Radiology* 1987; 162: 697

preoperative angiographic evaluation of prospective liver recipients, Cardella JF; Amplatz K. *Radiol Clin North Am* 1987; 25: 299

pseudoaneurysms complicating organ transplantation: roles of CT, duplex sonography, and angiography, Tobben PJ; Zajko AB; Sumkin JH; Bowen A; Fuhrman CR; Skolnick ML; Bron KM; Esquivel CO; Starzl TE. *Radiology* 1988; 169: 65

radiographic features of liver allograft rejection, Dominguez R; Cuervas-Mons V; Van Thiel DH; et al. *Gastrointest Radiol* 1986; 11: 326

radiologic assessment of bile duct complications in liver transplantation: initial experience, Olutola PS; Hutton L; Wall WJ. *J Canad Assoc Radiol* 1986; 37: 276

radionuclide evaluation of liver transplants, Hawkins RA; Hall T; Gambhir SS; et al. *Semin Nucl Med* 1988; 18: 199

recurrent cholangiocarcinoma in the biliary tree after liver transplantation, Herbener T; Zajko AB; Koneru B; Bron KM; Campbell WL. *Radiology* 1988; 169: 641

- right adrenal gland hemorrhage as a complication of liver transplantation: CT appearance. Solomon N; Sumkin J. *JCAT* 1988; 12: 95
- scintigraphic demonstration of accessory hepatic duct leak following liver transplantation. Von Moll LK; Juni JE; Merion RM. *J Nucl Med* 1988; 29: 259
- scintigraphic evaluation of liver transplant function. Loken MK; Ascher NL; Boudreau RJ; et al. *J Nucl Med* 1986; 27: 451
- transluminal balloon angioplasty of infrahepatic caval anastomotic stenosis following liver transplantation: case report. Rose BS; Van Aman ME; Simon DC; et al. *Cardiovasc Intervent Radiol* 1988; 11: 79
- ultrasound and computed tomographic evaluation in hepatic transplantation. Letourneau JG; Day DL; Erick MP; et al. *Radiol Clin North Am* 1987; 25: 323
- vascular complications after liver transplantation: 5-year experience. Wozney P; Zajko AB; Bron KM; et al. *AJR* 1986; 147: 657
- Liver, US studies**
- abdominal hydatid disease: US findings during medical treatment. Bezzi M; Teggi A; De Rosa F; Capozzi A; Tucci G; Bonifacio A; Angelini L. *Radiology* 1987; 162: 91
- accessory hepatic fissure mimicking an acoustically shadowing lesion. Wilbur AC; Schmit DJ; Ryva JC; et al. *J Ultrasound Med* 1986; 5: 341
- actinomycosis involving the liver: computed tomography/ultrasound correlation. Sheth S; Fishman EK; Sanders RC. *J Ultrasound Med* 1987; 6: 329
- acute allograft rejection in liver transplant recipients: lack of correlation with loss of hepatic artery diastolic flow. Longley DG; Skolnick ML; Sheahan DG. *Radiology* 1988; 169: 417
- agenesis of the right lobe of the liver. Radin DR; Colletti PM; Ralls PW; Boswell WD Jr; Halls JM. *Radiology* 1987; 164: 639
- angiomyolipoma of the liver: CT, MR, and ultrasound imaging. Fobbe F; Hamm B; Schwarting R. *JCAT* 1988; 12: 658
- Caroli disease: high-frequency US and pathologic findings. Marchal GJF; Desmet VJ; Proesmans WC; Moerman PL; Van Roost WW; Van Holsbeek MT; Baert AL. *Radiology* 1986; 158: 507
- case report. computed tomographic and ultrasound appearances of a solitary intrahepatic choledochal cyst. Austin RM; Sussman S; McArdle CR; et al. *Clin Radiol* 1986; 37: 149
- cirrhosis: US images with narrow band filtering. Sommer G; Stern R; Chen H-S. *Radiology* 1987; 165: 425
- cirrhosis: value of caudate to right lobe ratio in diagnosis with US. Giorgio A; Amoroso P; Lettieri G; Fico P; de Stefano G; Finelli L; Scala V; Tarantino L; Pierri P; Pesce G. *Radiology* 1986; 161: 443
- clinical significance of focal echogenic liver lesions. Pen JH; Pelckmans PA; van Maercke YM; et al. *Gastrointest Radiol* 1986; 11: 61
- comparison of theoretical scattering results and ultrasonic data from clinical liver examinations. Lizzi FL; King DL; Rorke MC; et al. *Ultrasound Med Biol* 1988; 14: 377
- "contained" rupture of a liver hydatid cyst: sonographic diagnosis and long-term postoperative follow-up. Mircea PA; Cucu A; Vlaicu R. *J Ultrasound Med* 1987; 6: 339
- diagnostic accuracy of computerized B-scan texture analysis and conventional ultrasonography in diffuse parenchymal and malignant liver disease. (ab). Raeth U; Schlaps D; Limberg B; et al. *Radiology* 1986; 158: 287
- diagnostic value of ultrasonography in neonatal liver rupture. Zorzi C; Ferale R; Benini F; et al. *Pediatr Radiol* 1986; 16: 425
- duplex Doppler examination of the liver and portal venous system. Koslin DB; Berland LL. *JCU* 1987; 15: 675
- duplex Doppler sonography in the evaluation of adult patients before and after liver transplantation. Longley DG; Skolnick ML; Zajko AB; et al. *AJR* 1988; 151: 687
- erythromycin-induced hepatitis: simulator of malignancy. Rigault HD; Sellsag DL; Van Eyken PL; Van Damme BJ; Fevery JM; Marchal CJ. *Radiology* 1988; 169: 661
- FM sonography in diffuse liver disease: prospective assessment and blinded analysis. Ralls PW; Johnson MB; Kanel G; Dobalian DM; Colletti PM; Boswell WD Jr; Radin DR; Halls JM. *Radiology* 1986; 161: 451
- focal areas of decreased echogenicity in the liver at the porta hepatis. Berland LL. *J Ultrasound Med* 1986; 5: 157
- focal fatty change of the liver adjacent to the falciform ligament: CT and sonographic findings in five surgically confirmed cases. Yoshikawa J; Matsui O; Takashima T; et al. *AJR* 1987; 149: 491
- focal fatty infiltration of the liver mimicking a tumor: sonographic and CT features. Kawashima A; Suehiro S; Murayama S; et al. *JCAT* 1986; 10: 329
- focal periportal sparing in hepatic fatty infiltration: cause of hepatic pseudomas on US. White EM; Simone JF; Mueller FR; Grant EG; Choyke PL; Zeman RK. *Radiology* 1987; 162: 57
- frequency-demodulated US: evaluation in the liver. work in progress. Aufrichtig D; Lottenberg S; Hoels J; Ferrari LA; Friedenberg RM; Kanel G; Cole-Beuglet CM; Leeman S. *Radiology* 1986; 160: 59
- hepatic infarcts: new observations by CT and sonography. Lev-Toaff AS; Friedman AC; Cohen LM; et al. *AJR* 1987; 149: 87
- hepatic morphotypes. their statistical individualization using ultrasonography. Pietri H; Boscaini M; Berthezene P; et al. *J Ultrasound Med* 1988; 7: 189
- hepatic pseudotumors in patients with ascites. Skwarok DJ; Goiney RC; Cooperberg PL. *J Ultrasound Med* 1986; 5: 5
- hepatic scar along a transhepatic biliary drainage tract simulating metastatic disease. Bret PM; Bretagnolle M; Partensky C; et al. *JCU* 1987; 15: 56
- hepatic tumors: US contrast enhancement with CO₂ microbubbles. Matsuda Y; Yabuuchi I. *Radiology* 1986; 161: 701
- hepatitis tuberculosis presenting as tumoral disease on ultrasonography. Blangy S; Cornud F; Sibert A; et al. *Gastrointest Radiol* 1988; 13: 52
- hepatosplenic candidiasis: wheels within wheels. Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA. *Radiology* 1988; 166: 417
- infected bilomas and hepatic artery thrombosis in infant recipients of liver transplants: interventional radiology and medical therapy as an alternative to retransplantation. Hoffer FA; Teele RL; Lillehei CW; Vacanti JP. *Radiology* 1988; 169: 435
- inferior accessory hepatic fissure: sonographic appearance. Lim JH; Ko YT; Han MC; et al. *AJR* 1987; 149: 495
- influence of pathological state on the acoustic attenuation coefficient slope of liver. Afschrift M; Cuvelier C; Ringoir S; et al. *Ultrasound Med Biol* 1987; 13: 135
- intraoperative ultrasound of the liver: an important adjunctive tool for decision making in the operating room. (ab). Rifkin MD; Rosato FE; Branch HM; et al. *Radiology* 1987; 165: 588
- in vitro estimation of acoustic parameters of the liver and correlations with histology. Cloostermans MJTM; Mol H; Verhoef WA; et al. *Ultrasound Med Biol* 1986; 12: 39
- in vivo acoustic attenuation in liver: correlations with blood tests and histology. Duerinckx A; Rosenberg K; Hoefs J; et al. *Ultrasound Med Biol* 1988; 14: 405
- in-vivo measurements of ultrasound attenuation in normal or diseased liver. Parker KJ; Asztely MS; Lerner RM; et al. *Ultrasound Med Biol* 1988; 14: 127
- left lobe of the liver mimicking perisplenic collections. Crivello MS; Peterson DM; Austin RM. *JCU* 1986; 14: 697
- left upper quadrant pseudolesion secondary to normal variants in liver and spleen. Arenson AM; McKee JD. *JCU* 1986; 14: 558
- liver transplant recipients: portable duplex US with correlative angiography. Taylor KJW; Morse SS; Weltin GG; Riely CA; Flye MW. *Radiology* 1986; 159: 357
- local texture analysis: an approach to differentiating liver tissue objectively. Schuster E; Knoflach P; Grabner G. *JCU* 1988; 16: 453
- measurement and use of acoustic nonlinearity and sound speed to estimate composition of excised livers. Sehgal CM; Brown CM; Bahn RC; et al. *Ultrasound Med Biol* 1986; 12: 865
- mesenchymal hamartoma of the liver: computed tomography and ultrasonography. Gyanani VL; Meyers PC; Wolfson JJ. *JCAT* 1986; 10: 51
- mistaken or indeterminate CT diagnosis of hepatic metastases: the value of sonography. Brick SH; Hill MC; Lande IM. *AJR* 1987; 148: 723
- Oster's disease diagnosed by ultrasound. Goes E; Van Tussenbroeck F; Cottenie F; et al. *JCU* 1987; 15: 129
- particulate contrast agent with potential for ultrasound imaging of liver. Parker KJ; Tuthill TA; Lerner RM; et al. *Ultrasound Med Biol* 1987; 13: 555
- portal hemodynamics in patients with hepatocellular carcinoma. Moriyasu F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H. *Radiology* 1986; 161: 707
- portal thrombosis complicating appendicitis: ultrasound detection and hepatic computed tomography lobar attenuation alteration. Chan SCH; Chan F-L; Chau EMT; et al. *CT* 1988; 12: 208
- prominent periportal echogenicity: its sonographic evaluation and its significance. Chau EMT; Leong LLY; Chan FL. *Br J Radiol* 1986; 59: 543
- pseudotumor of the quadrate lobe in hepatic sonography: sign of generalized fatty infiltration. Sauerbrei EE; Lopez M. *AJR* 1986; 147: 923
- quantitative estimation of liver attenuation and echogenicity: normal state versus diffuse liver disease. Garra BS; Insana MF; Shawker TH; Russell MA. *Radiology* 1987; 162: 61
- quantitative US attenuation in normal liver and in patients with diffuse liver disease: importance of fat. Taylor KJW; Riely CA; Hammers L; Flax S; Weltin GG; Garcia-Tsao G; Conn HO; Kuc R; Barwick KW. *Radiology* 1986; 160: 65
- regenerating nodules in cirrhosis: sonographic appearance with anatomic correlation. Freeman MP; Vick CW; Taylor KJW; et al. *AJR* 1986; 146: 533
- removal of air from liver specimens via vacuum. Sommer FG; Solomon H; Carroll B. *JCU* 1986; 14: 277
- "scar sign" on computed tomography and sonography in fibrolamellar hepatocellular carcinoma. Kane RA; Curatolo P; Khettry U. *CT* 1987; 11: 27
- significant reduction of the echogenicity of the compressed cavernous hemangioma. Choji K; Shinohara M; Nojima T; et al. *Acta Radiol* 1988; 29: 317
- "skip areas" in hepatic steatosis: sonographic-angiographic study. Marchal GJF; Tshibwabwa-Tumba E; Verbeke E; et al. *Gastrointest Radiol* 1986; 11: 151
- sonographically detected hepatic hemangiomas: absence of change over time. Gibney RG; Hendin AP; Cooperberg PL. *AJR* 1987; 149: 953
- sonographic evaluation of liver, spleen, and splanchnic vessels following partial liver resection. Zoli M; Melli A; Viti G; et al. *J Ultrasound Med* 1986; 5: 563
- sonographic features of amebic and pyogenic liver abscesses: a blinded comparison. Ralls PW; Barnes PF; Radin DR; et al. *AJR* 1987; 149: 499

- sonography in complicated hepatic amoebic abscess, Gupta RK; Pant CS; Prakash R; et al, *Clin Radiol* 1987; 38: 123
- sonography of diffuse benign liver disease: accuracy of pattern recognition and grading, Needleman L; Kurtz AB; Rifkin MD; et al, *AJR* 1986; 146: 1011
- "starry sky" liver with Burkitt's lymphoma, Rak K; Hopper KD; Parker SH, *J Ultrasound Med* 1988; 7: 279
- therapeutic ultrasound and the liver in vivo: action and possible mechanisms, Saad AH; Bahakim HM; Helmi A; et al, *Ultrasound Med Biol* 1986; 12: 855
- ultrasonic appearance of the liver in hepatic venous outflow obstruction (Budd-Chiari syndrome): case of pseudohepatic infarct associated with Behcet's disease, Nakayama S; Sakata J; Kusumoto S; et al, *JCU* 1986; 14: 300
- ultrasonographic findings in the livers of patients with lepromatous leprosy, Doehring E; Reider F; Dittich M; et al, *JCU* 1986; 14: 179
- ultrasonography and scintigraphy of the liver in focal and diffuse disease, Henriksson L; Kelter U, *Acta Radiol* 1987; 28: 165
- ultrasonography of hepatic hydatid cysts: new diagnostic signs, Esfahani F; Rooholamini SA; Vessal K, *J Ultrasound Med* 1988; 7: 443
- ultrasound and computed tomographic evaluation in hepatic transplantation, Letourneau JG; Day DL; Frick MP; et al, *Radiol Clin North Am* 1987; 25: 323
- ultrasound case of the day: annual meeting, 1985, Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggard AH; Maywood CM, *Radiographics* 1986; 6: 921
- ultrasound diagnosis of liver hydatid disease, Gurses N; Sungur R; Gurses N; et al, *Acta Radiol* 1987; 28: 161
- ultrasound evaluation of uncomplicated and complicated acute viral hepatitis, Giorgio A; Amoroso P; Fico P; et al, *JCU* 1986; 14: 675
- ultrasound examination in diffuse liver disease: clinical significance of enlarged lymph nodes in the hepato-duodenal ligament, Forsberg L; Florén CH; Hederström E; et al, *Acta Radiol* 1987; 28: 281
- ultrasound scanning and ^{99m}Tc sulphur colloid scintigraphy in diagnosis of Budd-Chiari syndrome, (ab), Powell-Jackson PR; Karani J; Edje RJ; et al, *Radiology* 1987; 164: 881
- US-guided percutaneous alcohol injection of small hepatic and abdominal tumors, Livraghi T; Festi D; Monti F; Salmi A; Vettori C, *Radiology* 1986; 161: 309
- varied appearances of hepatic cavernous hemangiomas with sonography, computed tomography, magnetic resonance imaging and scintigraphy, Bree RL; Schwab RE; Glazer GM; Fink-Bennett D, *Radiographics* 1987; 7: 1153
- wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, *Radiology* 1988; 169: 578
- wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, *Radiology* 1988; 169: 579
- ### Liver neoplasms
- abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy, Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P, *Radiology* 1986; 159: 345
- advances in hepatobiliary radiology, Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ, *Radiology* 1988; 168: 319
- atrophy with compensatory hypertrophy of the liver in hepatic neoplasms: radiographic findings, Lorigan JC; Charnsangavej C; Carrasco CH; et al, *AJR* 1988; 150: 1291
- cavernous hemangioma of the liver: detection with single-photon emission computed tomography, Tumeß SS; Benson C; Nagel JS; English RJ; Holman BL, *Radiology* 1987; 164: 353
- computed tomography of the liver after dearterialization and intraarterial chemotherapy, Keramati B; Whitley NO; Didolkar MS; et al, *CT* 1986; 10: 303
- control of hepatic tumor hemorrhage by transcatheter embolization with Ethibloc, Jaschke W; Hoevels J, *Acta Radiol* 1988; 29: 15
- conventional and rapid MR imaging of the liver with Gd-DTPA, Hamm B; Wolf K-J; Felix R, *Radiology* 1987; 164: 313
- distribution of iodized oil within the liver after hepatic arterial injection, Miller DL; O'Leary TJ; Gorton ME, *Radiology* 1987; 162: 849
- distribution of iodized oil within the liver after hepatic arterial injection, Park CH; Thakur ML; Madsen MT, *Radiology* 1987; 164: 585
- distribution of iodized oil within the liver after hepatic arterial injection: reply, Miller DL; Gorton ME; O'Leary TJ, *Radiology* 1987; 164: 586
- fatty metamorphosis in hepatocellular carcinoma: radiologic features in 10 cases, Yoshikawa J; Matsui O; Takashima T; et al, *AJR* 1988; 151: 717
- fibrolamellar hepatocarcinoma: clinical, radiologic, and pathologic features, Francis IR; Agha FP; Thompson NW; et al, *Gastrointest Radiol* 1986; 11: 67
- focal hepatic mass screening: MR imaging or CT scanning?, Bernardino ME, *Radiology* 1987; 162: 282
- focal hepatic mass screening: MR imaging or CT scanning?, Slizofski WJ, *Radiology* 1987; 163: 830
- focal liver masses: differential diagnosis with pulsed Doppler US, Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR, *Radiology* 1987; 164: 643
- hepatic arterial embolisation in patients with metastatic carcinoid tumours, (ab), Odurny A; Birch SJ, *Radiology* 1986; 159: 575
- hepatic artery embolization of experimental hepatic tumors with absolute ethanol, Matsui O; Kawamura I; Kadoya M; et al, *Cardiovasc Intervent Radiol* 1986; 9: 146
- hepatic intraarterial lipiodol: technique, semiologic patterns, and value for hepatic tumors, Bruneton J-N; Kerboul P; Grimaldi C; et al, *Gastrointest Radiol* 1988; 13: 45
- hepatic lymphangiomatosis: report of a case and review of the literature, (ab), Van Steenberg W; Joosten E; Marchal GJF; et al, *Radiology* 1986; 158: 857
- hepatic malignancies: improved treatment with intraarterial Y-90, Herba MJ; Illescas FF; Thirlwell MP; Boos GJ; Rosenthal L; Atri M; Bret PM, *Radiology* 1988; 169: 311
- hepatic masses in children, Boechat MJ; Kangaroo H; Gilsanz V, *Semin Roentgenol* 1988; 23: 185
- hepatic perfusion abnormalities during CT angiography: detection and interpretation, Freeny PC; Marks WM, *Radiology* 1986; 159: 685
- high-attenuation recent thrombus of the portal vein: CT demonstration and clinical significance, Mori H; Hayashi K; Uetani M; Matsuo Y; Iwao M; Maeda H, *Radiology* 1987; 163: 353
- imaging of fibrolamellar hepatocellular carcinoma, Brandt DJ; Johnson CD; Stephens DH; et al, *AJR* 1988; 151: 295
- imaging of surgically relevant hepatic vascular and segmental anatomy. part 2. extent and resectability of hepatic neoplasms, Mukai JK; Stack CM; Turner DA; et al, *AJR* 1987; 149: 293
- intraoperative hemorrhage due to spontaneous rupture of hepatocellular carcinoma: treatment by hepatic artery embolization, Hsieh J-S; Huang C-J; Huang Y-S; et al, *AJR* 1987; 149: 715
- iodized oil in the portal vein after arterial embolization, Nakamura H; Hashimoto T; Oi H; Sawada S, *Radiology* 1988; 167: 415
- lipomatous tumors of the liver: evaluation with CT and US, Roberts JL; Fishman EK; Hartman DS; Sanders RC; Goodman ZD; Siegelman SS, *Radiology* 1988; 158: 613
- malignant fibrous histiocytoma of the liver, Honda H; Nakamura Y; Kajiwara T; et al, *Comput Med Imag Graph* 1988; 12: 131
- portal hemodynamics in patients with hepatocellular carcinoma, Moriyasu F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H, *Radiology* 1986; 161: 707
- resolution of a contraceptive-steroid-induced hepatic adenoma with subsequent evolution into hepatocellular carcinoma, (ab), Gorder JC; Reddy KR; Livingstone AS; et al, *Radiology* 1987; 163: 586
- segmental intensity differences in the liver on MR images: a sign of intrahepatic portal flow stoppage, Imai Y; Ohtomo K; Kokubo T; Okada Y; Yamauchi T; Yoshida H, *Radiology* 1988; 167: 17
- surgical management of hepatoma: a review of 29 hepatic resections, Ngoi SS; Rauff A; Cheong FW, *Australas Radiol* 1988; 32: 227
- Thorotrast-associated mucopidermoid carcinoma of the liver, Lambrianides AL; Askew AR; Lefevre I, *Br J Radiol* 1986; 59: 791
- undifferentiated (embryonal) sarcoma of the liver: radiologic-pathologic correlation, Ros PR; Olmsted WW; Dachman AH; Goodman ZD; Ishak KG; Hartman DS, *Radiology* 1986; 161: 141
- ### Liver neoplasia, angiography
- accuracy of angiography in the diagnosis of small hepatocellular carcinoma, Sumida M; Ohto M; Ebara M; et al, *AJR* 1986; 147: 531
- angiography, computed tomography, magnetic resonance imaging and ultrasonography in detection of liver metastases from endocrine gastrointestinal tumours, Andersson T; Eriksson B; Hemmingson A; et al, *Acta Radiol* 1987; 28: 535
- angiography of small hepatocellular carcinomas: analysis of 105 resected tumors, Takayasu K; Shima Y; Muramatsu Y; et al, *AJR* 1986; 147: 525
- continued value of angiography in planning surgical resection of benign and malignant hepatic tumors in children, Tonkin ILD; Wenn EL Jr; Hollabaugh RS, *Pediatr Radiol* 1988; 18: 35
- DSA—control of implanted devices for arterial hepatic perfusion, Leher K; Reiser M; Gebhardt U; et al, *Cardiovasc Intervent Radiol* 1987; 10: 71
- fibrolamellar carcinoma of the liver: CT, ultrasound and angiography. case report, Bedi DG; Kumar R; Moretti LB; et al, *Eur J Radiol* 1988; 8: 109
- fibrolamellar hepatocellular carcinoma: pitfalls in nonoperative diagnosis, Titelbaum DS; Burke DR; Meranze SG; Saul SH, *Radiology* 1988; 167: 25
- hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy, Charnsangavej C; Carrasco CH; Wallace S; Richli W; Haynie TP, *Radiology* 1987; 165: 71
- hepatic perfusion abnormalities during CT angiography: detection and interpretation, Freeny PC; Marks WM, *Radiology* 1986; 159: 685
- hepatoblastoma: radiologic-pathologic correlation in 50 cases, Dachman AH; Pakter RL; Ros PR; Fishman EK; Goodman ZD; Lichtenstein JE, *Radiology* 1987; 164: 15
- hepatocellular carcinoma: combined hepatic, arterial, and portal venous embolization, Nakao N; Miura K; Takahashi H; Ohnishi M; Miura T; Okamoto E; Ishikawa Y, *Radiology* 1986; 161: 303
- liver metastases from colorectal cancers: detection with CT during arterial portography, Matsui O; Takashima T; Kadoya M; Suzuki M; Hirose J; Kameyama T; Choto S; Konishi H; Ida M; Yamaguchi A; Izumi R, *Radiology* 1987; 165: 65
- metastatic nodules of hepatocellular carcinoma: detection with angiography, CT, and US, Hayashi N; Yamamoto K; Tamaki N; Shibata T; Itoh K; Fujiwara I; Nakano Y; Yamaoka Y; Kobayashi N; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 165: 61
- portal hemodynamics in patients with hepatocellular carcinoma, Moriyasu F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H, *Radiology* 1986; 161: 707

- radiology of fibrolamellar hepatoma, Adam A; Gibson RN; Soreide O; et al, *Clin Radiol* 1986; 37: 355
- recurrent hepatoma with CT, MRI, and angiographic correlation, Zalev AH, *J Canad Assoc Radiol* 1986; 37: 114
- site and number of liver tumors recorded at angiography and computed tomography compared with the findings at laparotomy and of resected liver specimens, Lundstedt C; Ekberg H; Lunderquist A; et al, *Acta Radiol* 1986; 28: 153
- undifferentiated (embryonal) sarcoma of the liver: radiologic-pathologic correlation, Ros PR; Olmsted WW; Dachman AH; Goodman ZD; Ishak KG; Hartman DS, *Radiology* 1986; 161: 141
- Liver neoplasms, blood supply**
- effect of repeated normothermic ischaemia on normal liver parenchyma: an experimental study in pigs, Stridbeck H; Holmström T; Hagerstrand I, *Acta Radiol* 1987; 28: 215
- hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy, Charnsangavej C; Carrasco CH; Wallace S; Richli W; Haynie TP, *Radiology* 1987; 165: 71
- hepatocellular carcinoma: combined hepatic, arterial, and portal venous embolization, Nakao N; Miura K; Takahashi H; Ohnishi M; Miura T; Okamoto E; Ishikawa Y, *Radiology* 1986; 161: 303
- imaging of surgically relevant hepatic vascular and segmental anatomy. part 2. extent and resectability of hepatic neoplasms, Mukai JK; Stack CM; Turner DA; et al, *AJR* 1987; 149: 293
- portal hemodynamics in patients with hepatocellular carcinoma, Moriyasu F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H, *Radiology* 1986; 161: 707
- Liver neoplasms, calcification**
- calcification in hepatocellular carcinoma: not always an indication of fibrolamellar histology, Teeffey SA; Stephens DH; Weiland LH, *AJR* 1987; 149: 1173
- Liver neoplasms, CT**
- angiography, computed tomography, magnetic resonance imaging and ultrasonography in detection of liver metastases from endocrine gastrointestinal tumors, Andersson T; Eriksson B; Hemmingsson A; et al, *Acta Radiol* 1987; 28: 535
- apparent extra-hepatic invasion by metastatic tumours in the liver, Weinbren K; Adam A; Blumgart LH; et al, *Clin Radiol* 1987; 38: 357
- carcinoid liver metastases: accuracy of radionuclide liver/spleen imaging compared to computed tomography, Halvorsen RA Jr; Wilkinson RH Jr; Feldman JM, *Clin Nucl Med* 1987; 12: 268
- cholangiocarcinoma: imaging by MR, Dooms GC; Kerlan RK Jr; Hricak H; Wall SD; Margulis AR, *Radiology* 1986; 159: 89
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence, Freeny PC; Marks WM; Ryan JA; Bolen JW, *Radiology* 1986; 158: 347
- computed tomography and ultrasonography of hepatoma, Teeffey SA; Stephens DH; James EM; et al, *Clin Radiol* 1986; 37: 339
- computed tomography detection of small daughter nodules in hepatocellular carcinoma after iodized oil infusion into the hepatic artery, Ohishi H; Uchida H; Ohue S; et al, *CT* 1988; 12: 129
- computed tomography of residual hepatomas following transcatheter arterial embolization, Murayama S; Tsukamoto Y; Watanabe H; et al, *JCAT* 1986; 10: 969
- computed tomography of vinyl-chloride-induced angiosarcoma of liver, Fitzgerald EJ; Griffiths TM, *Br J Radiol* 1987; 60: 593
- CT and MR imaging of fatty tumors of the liver, Itai Y; Ohtomo K; Kokubo T; et al, *JCAT* 1987; 11: 253
- CT appearance of liver metastases from medullary carcinoma of the thyroid, Bankoff MS; Tuckman GA; Scarborough D, *JCAT* 1987; 11: 1102
- CT demonstration of calcified liver metastases in medullary thyroid carcinoma, McDonnell CH III; Fishman EK; Zerhouni EA, *JCAT* 1986; 10: 976
- CT diagnosis of hepatic adenoma, Luning M; Simon C; Dewey C; et al, *Eur J Radiol* 1987; 7: 30
- CT diagnosis of massive hemorrhage from hepatocellular carcinoma, Cates JD; Thorsen MK; Foley WD; et al, *JCAT* 1987; 11: 81
- CT evaluation of extrahepatic disease in patients with metastatic colorectal carcinoma receiving hepatic arterial chemotherapy, Alterman DD; Barbour J; Glazer GM; et al, *J Canad Assoc Radiol* 1987; 38: 215
- CT features of hemorrhagic malignant liver tumors, Siskind BN; Malat J; Hammers L; et al, *JCAT* 1987; 11: 766
- CT of hepatic masses: significance of prolonged and delayed enhancement, Itai Y; Ohtomo K; Kokubo T; et al, *AJR* 1986; 146: 729
- CT volumetrics of primary liver cancers, Yang N-C; Leichner PK; Fishman EK; et al, *JCAT* 1986; 10: 621
- delayed hepatic CT scanning: increased confidence and improved detection of hepatic metastases, Bernardino ME; Erwin BC; Steinberg HV; Baumgartner BR; Torres WE; Gedgoudas-McClees RK, *Radiology* 1986; 159: 71
- detection of hepatic metastases in diffuse fatty infiltration by CT: the complementary role of imaging, Lipman JC; Stomper PC; Kaplan WD; et al, *Clin Nucl Med* 1988; 13: 602
- discordant hepatobiliary scintigraphy and computed tomography in hepatic metastasis, Moreno AJ; Fredericks P; Cordts PR; et al, *Clin Nucl Med* 1987; 12: 331
- distribution of water, fat, and metals in normal liver and in liver metastases influencing attenuation on computed tomography, Ueda J; Kobayashi Y; Kenko Y; et al, *Acta Radiol* 1988; 29: 33
- dynamic CT features of arterioportal shunts in hepatocellular carcinoma, Itai Y; Furui S; Ohtomo K; et al, *AJR* 1986; 146: 723
- ethiodized oil emulsion enhanced computerized tomography in the preoperative assessment of metastases to the liver from the colon and rectum, (ab), Reed WP; Haney PJ; Elias EG; et al, *Radiology* 1986; 160: 572
- evaluation of focal hepatic masses: comparative study of MRI and CT, Glazer GM; Aisen AM; Francis IR; et al, *Gastrointest Radiol* 1986; 11: 263
- fibrolamellar carcinoma of the liver: CT, ultrasound and angiography, case report, Bedi DG; Kumar R; Moretton LB; et al, *Eur J Radiol* 1988; 8: 109
- fibrolamellar hepatocellular carcinoma: pitfalls in nonoperative diagnosis, Titelbaum DS; Burke DR; Merzante SG; Saul SH, *Radiology* 1988; 167: 25
- focal hepatic lesions: detection by dynamic and delayed computed tomography versus short TE/TR spin echo and fast field echo magnetic resonance imaging, Nelson RC; Chezmar JL; Steinberg HV; et al, *Gastrointest Radiol* 1988; 13: 115
- focal hepatic masses and fatty infiltration detected by enhanced dynamic CT, Alpern MB; Lawson TL; Foley WD; Perlman SJ; Reif LJ; Arevalo E; Rimm AA, *Radiology* 1986; 158: 45
- hepatic adenomas and focal nodular hyperplasia: dynamic CT study, Mathieu D; Bruneau JN; Drouillard J; Pointreau CC; Vassile N, *Radiology* 1986; 160: 53
- hepatic lipomas: ultrasound and computed tomographic findings, Bruneton J-N; Kerboul P; Drouillard J; et al, *Gastrointest Radiol* 1987; 12: 299
- hepatic metastases: randomized, controlled comparison of detection with MR imaging and CT, Stark DD; Wittenberg J; Butch RJ; Ferrucci JT Jr, *Radiology* 1987; 165: 399
- hepatic metastasis detection: comparison of three CT contrast enhancement methods, Miller DL; Simmons JT; Chang R; Ward BA; Shawker TH; Doppman JL; Chang AE, *Radiology* 1987; 165: 785
- hepatic metastasis detection: comparison of three CT contrast enhancement methods, Matsui O, *Radiology* 1988; 168: 283
- hepatic metastasis detection: comparison of three CT contrast enhancement methods: reply, Miller DL, *Radiology* 1988; 168: 284
- hepatic perfusion abnormalities during CT angiography: detection and interpretation, Freeny PC; Marks WM, *Radiology* 1986; 159: 685
- hepatic plasmacytoma: sonographic and CT findings, Mathieu D; Elouaer-Blanc L; Divine M; et al, *JCAT* 1986; 10: 144
- hepatic vein involvement in hepatocellular carcinoma, Mathieu D; Guinet C; Bouklia-Hassane A; et al, *Gastrointest Radiol* 1988; 13: 55
- hepatoblastoma: radiologic-pathologic correlation in 50 cases, Dachman AH; Fakter RL; Ros PR; Fishman EK; Goodman ZD; Lichtenstein JE, *Radiology* 1987; 164: 15
- hepatocellular carcinoma: combined hepatic, arterial, and portal venous embolization, Nakao N; Miura K; Takahashi H; Ohnishi M; Miura T; Okamoto E; Ishikawa Y, *Radiology* 1986; 161: 303
- hepatocellular carcinoma: metastatic abdominal lymph nodes identified by computed tomography, Araki T; Hihara T; Karikomi M; et al, *Gastrointest Radiol* 1988; 13: 247
- hepatocellular carcinoma: MR imaging, Itoh K; Nishimura K; Togashi K; Fujisawa I; Noma S; Minami S; Sagoh T; Nakano Y; Itoh H; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 164: 21
- hepatocellular carcinoma presenting as primary extrahepatic mass on CT, Longmaid HE III; Seltzer SE; Costello P; et al, *AJR* 1986; 146: 1005
- hypervascular hepatic metastases: CT evaluation, Bresler EL; Alpern MB; Glazer GM; Francis IR; Ensminger WD, *Radiology* 1987; 162: 49
- image enhancement in computerized tomography for sensitive diagnosis of liver cancer and semiquantitation of tumor selective drug targeting with oily contrast medium, (ab), Maki S; Konno T; Maeda H, *Radiology* 1986; 158: 566
- intrahepatic cholangiocarcinoma: radiologic-pathologic correlation, Ros PR; Buck JL; Goodman ZD; Ros AMV; Olmsted WW, *Radiology* 1988; 167: 689
- lipomatous tumors of the liver: evaluation with CT and US, Roberts JL; Fishman EK; Hartman DS; Sanders RC; Goodman ZD; Siegelman SS, *Radiology* 1986; 158: 613
- liver and abdominal screening in patients with cancer: CT versus MR imaging, Chezmar JL; Rumancik WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME, *Radiology* 1988; 168: 43
- liver metastases from colorectal cancers: detection with CT during arterial portography, Matsui O; Takashima T; Kadoya M; Suzuki M; Hirose J; Kameyama T; Choto S; Konishi H; Ida M; Yamaguchi A; Izumi R, *Radiology* 1987; 165: 65
- liver metastasis detection: comparative sensitivities of MR imaging and CT scanning, Reing JW; Dwyer AJ; Miller DL; White M; Frank JA; Sugarbaker PH; Chang AE; Doppman JL, *Radiology* 1987; 162: 43
- magnetic resonance imaging, computed tomography, and radionuclide scintigraphy in detection of liver metastases, Bronskill MJ; Henkelman RM; Poon PY; et al, *J Canad Assoc Radiol* 1988; 39: 3
- malignant hemangiopericytoma: computed tomography and magnetic resonance imaging, Shin MS; Koehler RE; Stanley RJ; et al, *CT* 1987; 11: 297
- metastatic nodules of hepatocellular carcinoma: detection with angiography, CT, and US, Hayashi N; Yamamoto K; Tamaki N; Shibata T; Itoh K; Fujisawa I; Nakano Y; Yamaoka Y; Kobayashi N; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 165: 61
- MR detection of liver metastases, Reing JW; Dwyer AJ; Miller DL; Frank JA; Doppman JL, *Radiology* 1987; 163: 582
- patterns of contrast enhancement of benign and malignant hepatic neoplasms during bolus dynamic and delayed CT, Freeny PC; Marks WM, *Radiology* 1986; 160: 613
- peripheral cholangiocarcinoma and cholangiocarcinoma: CT findings, Choi BI; Park JH; Kim YI; Yu ES; Kim SH; Kim WH; Kim CY; Han MC, *Radiology* 1988; 169: 149

- peripheral low-density area of hepatic tumors: CT-pathologic correlation, Muramatsu Y; Takayasu K; Moriama N; Shima Y; Goto H; Ushio K; Yamada T; Hasegawa H; Koyama Y; Hirohashi S, *Radiology* 1986; 160: 49
- peripheral low-density area of hepatic tumors: CT-pathologic correlation, Itai Y, *Radiology* 1987; 162: 876
- peripheral low-density area of hepatic tumors: CT-pathologic correlation: reply, Muramatsu Y, *Radiology* 1987; 162: 876
- primary carcinoid tumor of the liver: case report, Yamashita Y; Takahashi M; Tsuji A, et al, *CT* 1986; 10: 313
- primary liver tumors in children: comparison of CT and MR imaging, Boechat ML; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V, *Radiology* 1988; 169: 727
- progressive CT appearance of hepatic metastases from colorectal carcinoma, Letourneau JG; Thompson WM; Goldberg ME; et al, *Gastrointest Radiol* 1988; 13: 145
- radiology of fibrolamellar hepatoma, Adam A; Gibson RN; Soreide O; et al, *Clin Radiol* 1986; 37: 355
- recurrent hepatoma with CT, MRI, and angiographic correlation, Zalev AH, *J Canad Assoc Radiol* 1986; 37: 114
- "scar sign" on computed tomography and sonography in fibrolamellar hepatocellular carcinoma, Kane RA; Curatolo P; Khettry U, *CT* 1987; 11: 27
- site and number of liver tumors recorded at angiography and computed tomography compared with the findings at laparotomy and of resected liver specimens, Lundstedt C; Ekberg H; Lunderquist A; et al, *Acta Radiol* 1987; 28: 153
- small hepatocellular carcinomas in chronic liver disease: detection with SPECT, Kudo M; Hirasawa M; Takakuwa H; Ibuki Y; Fujimi K; Miyamura M; Tomita S; Komori H; Todo A; Kitaura Y; Ikekubo K; Torizuka K, *Radiology* 1986; 159: 697
- Thorotrast-induced hepatosplenic neoplasia: CT identification, Levy DW; Rindsberg S; Friedman AC; et al, *AJR* 1986; 146: 997
- ultrasound, CT, and MRI comparison in primary and secondary tumors of the liver, Curati WL; Halevy A; Gibson RN; et al, *Gastrointest Radiol* 1988; 13: 123
- undifferentiated (embryonal) sarcoma of the liver: radiologic-pathologic correlation, Ros PR; Olmsted WW; Dachman AH; Goodman ZD; Ishak KG; Hartman DS, *Radiology* 1986; 161: 141
- vascular abnormalities following radio- and chemotherapy of hepatic neoplasms: CT angiographic findings, Merline DS; Fishman EK; Sitzmann JV; et al, *JCAT* 1988; 12: 584
- visual contrast enhancement with a patterned overlay, Kunin M; Phillips JJ; Schwarz G, *Radiology* 1988; 167: 271
- Liver neoplasms, diagnosis**
- cavernous hemangioma of the liver: role of percutaneous biopsy, Cronan JJ; Esparza AR; Dorfman GS; Ridlen MS; Paoletti LP, *Radiology* 1988; 166: 135
- CT diagnosis of hepatic adenoma, Luning M; Simon C; Dewey C; et al, *Eur J Radiol* 1987; 7: 30
- fibrolamellar hepatocellular carcinoma: pitfalls in nonoperative diagnosis, Titelbaum DS; Burke DR; Meranze SG; Saul SH, *Radiology* 1988; 167: 25
- focal liver masses: differential diagnosis with pulsed Doppler US, Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR, *Radiology* 1987; 164: 643
- hepatic epithelioid hemangioendothelioma, Radin DR; Craig JR; Colletti PM; Ralls PW; Halls JM, *Radiology* 1988; 169: 145
- hepatic micrometastases in the rat: ferrite-enhanced MR imaging, Tsang Y-M; Stark DD; Chen MC-M; Weissleder R; Wittenberg J; Ferrucci JT, *Radiology* 1988; 167: 21
- hepatic tumors: dynamic MR imaging, Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Yashiro N; Iio M; Furukawa K, *Radiology* 1987; 163: 27

- hepatoblastoma: radiologic-pathologic correlation in 50 cases, Dachman AH; Pakter RL; Ros PR; Fishman EK; Goodman ZD; Lichtenstein JE, *Radiology* 1987; 164: 15
- hepatocellular carcinoma and cavernous hemangioma: differentiation with MR imaging, efficacy of T2 values at 0.35 and 1.5 T, Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Iio M, *Radiology* 1988; 168: 621
- hepatocellular carcinoma: diagnosis by percutaneous fine needle biopsy, Bret PM; Labadie M; Bretagolle M; et al, *Gastrointest Radiol* 1988; 13: 253
- hepatocellular carcinoma: MR imaging, Itoh K; Nishimura K; Togashi K; Fujisawa I; Noma S; Minami S; Sagoh T; Nakano Y; Itoh H; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 164: 21
- integrated imaging of hepatic tumors in childhood, Neuenschwander S; Couanet D; Montagne JP, *Radiology* 1986; 158: 278
- integrated imaging of hepatic tumors in childhood: reply, Miller JH; Greenspan BS, *Radiology* 1986; 158: 278
- intrahepatic cholangiocarcinoma: radiologic-pathologic correlation, Ros PR; Buck JL; Goodman ZD; Ros AMV; Olmsted WW, *Radiology* 1988; 167: 689
- mesenchymal hamartoma of the liver: radiologic-pathologic correlation, Ros PR; Goodman ZD; Ishak KG; Dachman AH; Olmsted WW; Hartman DS; Lichtenstein JE, *Radiology* 1986; 158: 619
- mistaken or indeterminate CT diagnosis of hepatic metastases: the value of sonography, Brick SH; Hill MC; Lande IM, *AJR* 1987; 148: 723
- primary liver tumors in children: comparison of CT and MR imaging, Boechat ML; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V, *Radiology* 1988; 169: 727
- radiological diagnosis of mass lesions in the liver, Baddeley H; Singharoen T; Benson M; et al, *Australas Radiol* 1987; 31: 170
- radiologic diagnosis of liver metastases in colo-rectal carcinoma: prospective evaluation of the accuracy of angiography, ultrasonography, computed tomography and computed tomographic angiography, Lundstedt C; Ekberg H; Hederström E; et al, *Acta Radiol* 1987; 28: 431
- role of computed tomography in screening for hepatocellular carcinoma in patients with cirrhosis, Henderson JM; Campbell JD; Olson R; et al, *Gastrointest Radiol* 1988; 13: 129
- small hepatocellular carcinomas in chronic liver disease: detection with SPECT, Kudo M; Hirasawa M; Takakuwa H; Ibuki Y; Fujimi K; Miyamura M; Tomita S; Komori H; Todo A; Kitaura Y; Ikekubo K; Torizuka K, *Radiology* 1986; 159: 697
- Liver neoplasms, metastases**
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence, Freeny PC; Marks WM; Ryan JA; Bolen JW, *Radiology* 1986; 158: 347
- cutaneous seeding of hepatocellular carcinoma after fine-needle aspiration biopsy, Onodera H; Oikawa M; Abe M; et al, *J Ultrasound Med* 1987; 6: 273
- delayed hepatic CT scanning: increased confidence and improved detection of hepatic metastases, Bernardino ME; Torres BC; Steinberg HV; Baumgartner BR; Worres WE; Gedgaudas-McClees RK, *Radiology* 1986; 159: 71
- iodized oil in the portal vein after arterial embolization, Nakamura H; Hashimoto T; Oi H; Sawada S, *Radiology* 1988; 167: 415
- liver metastases: detection by phase-contrast MR imaging, Stark DD; Wittenberg J; Middleton MS; Ferrucci JT Jr, *Radiology* 1986; 158: 327
- metastatic colon cancer: correlation of oxygen levels with I-131 F(ab')₂ uptake, Gatenby RA; Moldofsky PJ; Weiner LM, *Radiology* 1988; 166: 757
- metastatic nodules of hepatocellular carcinoma: detection with angiography, CT, and US, Hayashi N; Yamamoto K; Tamaki N; Shibata T; Itoh K; Fujisawa I; Nakano Y; Yamaoka Y; Kobayashi N; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 165: 61

- optimal pulse sequence for imaging hepatic metastases, Henkelman RM; Hardy P; Poon PY; Bronskill MJ, *Radiology* 1986; 161: 727
- scintigraphy with In-111-labeled monoclonal antibody: kinetics, biodistribution, and tumor detection, Halpern SE; Haindl W; Beauregard J; Hagan P; Clutter M; Amox D; Merchant B; Unger M; Mongovi C; Bartholomew R; Jue R; Carlo D; Dillman R, *Radiology* 1988; 168: 529
- skeletal metastases from hepatoma: frequency, distribution, and radiographic features, Kuhlman JE; Fishman EK; Lechner PK; Magid D; Order SE; Siegelman SS, *Radiology* 1986; 160: 175
- uptake of technetium-99m DISIDA by bone metastasis from a hepatoma, Pons F; Lomeña F; Calvet X; et al, *Clin Nucl Med* 1988; 13: 280
- Liver neoplasms, MR studies**
- advances in hepatobiliary radiology, Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ, *Radiology* 1988; 168: 319
- angiography, computed tomography, magnetic resonance imaging and ultrasonography in detection of liver metastases from endocrine gastrointestinal tumors, Andersson T; Eriksson B; Hemmingsson A; et al, *Acta Radiol* 1987; 28: 535
- attempt to characterize malignant lymphoma in spleen, liver and lymph nodes with magnetic resonance imaging, Nyman R; Rhen S; Ericsson A; et al, *Acta Radiol* 1987; 28: 527
- cholangiocarcinoma: imaging by MR, Doores GC; Kerlan RK Jr; Hricak H; Wall SD; Margulis AR, *Radiology* 1986; 159: 89
- conventional and rapid MR imaging of the liver with Gd-DTPA, Hamm B; Wolf K-J; Felix R, *Radiology* 1987; 164: 313
- CT and MR imaging of fatty tumors of the liver, Itai Y; Ohtomo K; Kokubo T; et al, *JCAT* 1987; 11: 253
- detection of hepatic metastases: analysis of pulse sequence performance in MR imaging, Stark DD; Wittenberg J; Edelman RR; Middleton MS; Saini S; Butch RJ; Brady TJ; Ferrucci JT Jr, *Radiology* 1986; 159: 365
- diagnosis of small hepatocellular carcinoma: correlation of MR imaging and tumor histologic studies, Ebara M; Ohto M; Watanabe Y; Kimura K; Saisho H; Tsuchiya Y; Okuda K; Arimizu N; Kondo F; Ikehira H; Fukuda N; Tateno Y, *Radiology* 1986; 159: 371
- distinction of hepatic cavernous hemangioma from hepatic metastases with MR imaging, Li KC; Glazer GM; Quint LE; Francis IR; Aisen AM; Ensminger WD; Bookstein FL, *Radiology* 1988; 169: 409
- dual-contrast MR imaging of liver cancer in rats, Weissleder R; Saini S; Stark DD; et al, *AJR* 1988; 150: 561
- dynamic spin-echo MRI of liver cancer using gadolinium-DTPA: animal investigation, Saini S; Stark DD; Brady TJ; et al, *AJR* 1986; 147: 357
- effect of interferon on T1 relaxation times of liver metastases from endocrine gastrointestinal tumors, Andersson T; Eriksson B; Hemmingsson A; et al, *Acta Radiol* 1988; 29: 21
- evaluation of focal hepatic masses: comparative study of MRI and CT, Glazer GM; Aisen AM; Francis IR; et al, *Gastrointest Radiol* 1986; 11: 263
- fast spin echo imaging with suspended respiration: gadolinium enhanced MR imaging of liver tumors, Mano I; Yoshida H; Nakabayashi K; et al, *JCAT* 1987; 11: 73
- ferrite-enhanced MR imaging of hepatic lymphoma: an experimental study in rats, Weissleder R; Stark DD; Compton CC; et al, *AJR* 1987; 149: 1161
- ferrite particles: superparamagnetic MR contrast agent for enhanced detection of liver carcinoma, Saini S; Stark DD; Hahn PF; Bousquet J-C; Intracasso J; Wittenberg J; Brady TJ; Ferrucci JT Jr, *Radiology* 1987; 162: 217
- fibrolamellar hepatocellular carcinoma: MR appearance, Titelbaum DS; Hatabu H; Schiebler ML; et al, *JCAT* 1988; 12: 588

- fibrolamellar hepatocellular carcinoma: pitfalls in nonoperative diagnosis, Titelbaum DS; Burke DR; Meranze SG; Saul SH, *Radiology* 1988; 167: 25
- focal hepatic lesions: detection by dynamic and delayed computed tomography versus short TE/TR spin echo and fast field echo magnetic resonance imaging, Nelson RC; Chezmar JL; Steinberg HV; et al, *Gastrointest Radiol* 1988; 13: 115
- gadolinium-DTPA in the assessment of liver tumors by magnetic resonance imaging, Carr DH; Graif M; Niendorf HP; et al, *Clin Radiol* 1986; 37: 347
- hepatic metastases: randomized, controlled comparison of detection with MR imaging and CT, Stark DD; Wittenberg J; Butch RJ; Ferrucci JT Jr, *Radiology* 1987; 165: 399
- hepatic micrometastases in the rat: ferrite-enhanced MR imaging, Tsang Y-M; Stark DD; Chen MC-M; Weissleder R; Wittenberg J; Ferrucci JT, *Radiology* 1988; 167: 21
- hepatic tumors: dynamic MR imaging, Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Yashiro N; Iio M; Furukawa K, *Radiology* 1987; 163: 27
- hepatocellular carcinoma and cavernous hemangioma: differentiation with MR imaging, efficacy of T2 values at 0.35 and 1.5 T, Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Iio M, *Radiology* 1988; 168: 621
- hepatocellular carcinoma: MR appearance mimicking focal nodular hyperplasia, Wilbur AC; Gyi B, *AJR* 1987; 149: 721
- hepatocellular carcinoma: MR imaging, Itoh K; Nishimura K; Togashi K; Fujisawa I; Noma S; Minami S; Sagoh T; Nakano Y; Itoh H; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 164: 21
- liver and abdominal screening in patients with cancer: CT versus MR imaging, Chezmar JL; Rumanick WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME, *Radiology* 1988; 168: 43
- liver metastases: optimization of MR imaging pulse sequences at 1.0 T, Paling MR; Abbott PL; Mugler JP; Brookeman JR, *Radiology* 1988; 167: 695
- liver metastasis detection: comparative sensitivities of MR imaging and CT scanning, Reinig JW; Dwyer AJ; Miller DL; White M; Frank JA; Sugarbaker PH; Chang AE; Doppman JL, *Radiology* 1987; 162: 43
- lobar intensity differences of the liver on MR imaging, Itai Y; Ohtomo K; Furui S; et al, *JCAT* 1986; 10: 236
- magnetic resonance imaging, computed tomography, and radionuclide scintigraphy in detection of liver metastases, Bronskill MJ; Henkelman RM; Poon PY; et al, *J Canad Assoc Radiol* 1988; 39: 3
- magnetic resonance imaging of the solitary hepatic mass: direct correlation with pathology and computed tomography, Robinson DA; McKinstry CS; Steiner RE; et al, *Clin Radiol* 1987; 38: 559
- malignant hemangiopericytoma: computed tomography and magnetic resonance imaging, Shin MS; Koehler RE; Stanley RJ; et al, *CT* 1987; 11: 297
- MR detection of liver metastases, Reinig JW; Dwyer AJ; Miller DL; Frank JA; Doppman JL, *Radiology* 1987; 163: 582
- MR imaging of focal liver masses, Stark DD, *Radiology* 1988; 168: 323
- MR imaging of hepatocellular carcinoma, Itai Y; Ohtomo K; Furui S; et al, *JCAT* 1986; 10: 963
- MR imaging of hepatoma treated by embolization, Ohtomo K; Itai Y; Yoshikawa K; et al, *JCAT* 1986; 10: 973
- MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, *Radiology* 1988; 166: 303
- optimal pulse sequence for imaging hepatic metastases, Henkelman RM; Hardy P; Poon PY; Bronskill MJ, *Radiology* 1986; 161: 727
- potential MR pitfall in relying on lesion/liver intensity ratio in presence of hepatic hemochromatosis, Mirowsitz S; Heiken JP; Lee JKT, *JCAT* 1988; 12: 323
- primary liver tumors in children: comparison of CT and MR imaging, Boechat MI; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V, *Radiology* 1988; 169: 727
- recurrent hepatoma with CT, MRI, and angiographic correlation, Zalev AH, *J Canad Assoc Radiol* 1986; 37: 114
- regenerating nodules of liver cirrhosis: MR imaging, Itai Y; Ohnishi S; Ohtomo K; Kokubo T; Yoshida H; Yoshikawa K; Imawari M, *Radiology* 1987; 165: 419
- superparamagnetic iron oxide: clinical application as a contrast agent for MR imaging of the liver, Stark DD; Weissleder R; Elizondo G; Hahn PF; Saini S; Todd LE; Wittenberg J; Ferrucci JT, *Radiology* 1988; 168: 297
- ultrasound, CT, and MRI comparison in primary and secondary tumors of the liver, Curati WL; Halevy A; Gibson RN; et al, *Gastrointest Radiol* 1988; 13: 123
- Liver neoplasms, radionuclide studies**
- accumulation of technetium-99m sulfur colloid by hepatocellular adenoma: scintigraphic-pathologic correlation, Lubbers PR; Ros PR; Goodman ZD; et al, *AJR* 1987; 148: 1105
- Budd-Chiari syndrome complicating hepatocellular carcinoma: demonstration by multiple radiotracer scintigraphy, Lee VW; Peng TT; O'Brien MJ; et al, *Clin Nucl Med* 1986; 11: 102
- carcinoid liver metastases: accuracy of radionuclide liver/spleen imaging compared to computed tomography, Halvorsen RA Jr; Wilkinson RH Jr; Feldman JM, *Clin Nucl Med* 1987; 12: 268
- cavernous hemangioma of the liver: detection with single-photon emission computed tomography, Tumehe SS; Benson C; Nagel JS; English RJ; Holman BL, *Radiology* 1987; 164: 353
- detecting bone marrow metastases at the time of examining the liver with radiocolloid, Lentine BC; Kitchin T; Catz Z; et al, *J Nucl Med* 1987; 28: 184
- detection of hepatic metastases in diffuse fatty infiltration by CT: the complementary role of imaging, Lipman JC; Stomper PC; Kaplan WD; et al, *Clin Nucl Med* 1988; 13: 602
- discordant hepatobiliary scintigraphy and computed tomography in hepatic metastasis, Moreno AJ; Fredericks P; Cordts PR; et al, *Clin Nucl Med* 1987; 12: 331
- dynamic hepatobiliary scan appearance of hepatocellular carcinoma, Intenzo CM; Hendricks P; Kim S; et al, *Clin Nucl Med* 1988; 13: 325
- early recognition of recurrent hepatocellular carcinoma utilizing gallium-67 citrate scintigraphy, Serafini AN; Jeffers LJ; Reddy KK; et al, *J Nucl Med* 1988; 29: 712
- effect of cirrhosis on accuracy of ^{99m}Tc-tin colloid scintigraphy and ultrasound scanning in diagnosis of hepatocellular carcinoma, Powell-Jackson P; Forbes A; Michell M; et al, *Br J Radiol* 1987; 60: 1221
- fibrolamellar hepatocellular carcinoma: pitfalls in nonoperative diagnosis, Titelbaum DS; Burke DR; Meranze SG; Saul SH, *Radiology* 1988; 167: 25
- frequency of hepatic visualization during I-131 imaging for metastatic thyroid carcinoma, Rosenbaum RC; Johnston GS; Valente WA, *Clin Nucl Med* 1988; 13: 657
- gallium-67 SPECT imaging in hepatocellular carcinoma, Rush C; Stern J, *Clin Nucl Med* 1988; 13: 535
- hepatic angiosarcoma: mimicking of angioma on three-phase technetium-99m red blood cell scintigraphy, Ginsberg F; Slavin JD Jr; Spencer RP, *J Nucl Med* 1986; 27: 1861
- hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy, Charnsangavej C; Carrasco CH; Wallace S; Richli W; Haynie TP, *Radiology* 1987; 165: 71
- hepatic artery injection of I-131-labeled lipiodol, part I. biodistribution study results in patients with hepatocellular carcinoma and liver metastases, Raoul J-L; Bourguet P; Bretagne J-F; Duvaufier R; Coornaert S; Darnault P; Ramée A; Herry J-Y; Gastard J, *Radiology* 1988; 168: 541
- hepatic malignancies: improved treatment with intraarterial Y-90, Herba MJ; Illescas FF; Thirlwell MP; Boos GJ; Rosenthal L; Atri M; Bret PM, *Radiology* 1988; 169: 311
- hepatoblastoma, Calderwood G; Nguyen DL; Leonard JC, *Clin Nucl Med* 1986; 11: 880
- liver function tests: study in patients with imaging-demonstrated metastases, Mathews J; Slavin JD Jr; Spencer RP, *Clin Nucl Med* 1986; 11: 344
- localization of ^{99m}Tc-HMDP in hepatic metastases from colonic carcinoma, Shih W-J; Domstad PA; Lieber A; et al, *AJR* 1986; 146: 333
- magnetic resonance imaging, computed tomography, and radionuclide scintigraphy in detection of liver metastases, Bronskill MJ; Henkelman RM; Poon PY; et al, *J Canad Assoc Radiol* 1988; 39: 3
- radionuclide imaging of primary tumors and tumor-like conditions of the liver, Drane WE; Krasicky GA; Johnson DA, *Clin Nucl Med* 1987; 12: 569
- Sipple's syndrome with liver tumors examined by iodine-131 MIBG and technetium-99m(V)-DMSA, Ohta H; Endo K; Fujita T; et al, *J Nucl Med* 1988; 29: 1130
- small hepatocellular carcinomas in chronic liver disease: detection with SPECT, Kudo M; Hirasawa M; Takakuwa H; Ibuki Y; Fujimi K; Miyamura M; Tomita S; Komori H; Todo A; Kitaura Y; Ikekubo K; Torizuka K, *Radiology* 1986; 159: 697
- specific diagnosis of hepatocellular carcinoma by scintigraphy, multiple radiotracer approach, (ab), Lee VW; O'Brien MJ; Morris PM; et al, *Radiology* 1986; 158: 288
- undifferentiated (embryonal) sarcoma of the liver: radiologic-pathologic correlation, Ros PR; Olmsted WW; Dachman AH; Goodman ZD; Ishak KG; Hartman DS, *Radiology* 1986; 161: 141
- uptake of technetium-99m DISIDA by bone metastasis from a hepatoma, Pons F; Lomeña F; Calvet X; et al, *Clin Nucl Med* 1988; 13: 280
- visualization of caput medusae in a patient with hepatoma, Atkins HL; Oster ZH, *Clin Nucl Med* 1986; 11: 591
- visualization of metastatic liver disease on technetium-99m bone scintigraphy, Romyn AM; Bushnell DL; Freeman ML; et al, *Clin Nucl Med* 1987; 12: 264
- Liver neoplasms, secondary**
- angiography, computed tomography, magnetic resonance imaging and ultrasonography in detection of liver metastases from endocrine gastrointestinal tumors, Andersson T; Eriksson B; Hemmingsson A; et al, *Acta Radiol* 1987; 28: 535
- apparent extra-hepatic invasion by metastatic tumors in the liver, Weinreb K; Adam A; Blumgart LH; et al, *Clin Radiol* 1987; 38: 357
- carcinoid liver metastases: accuracy of radionuclide liver/spleen imaging compared to computed tomography, Halvorsen RA Jr; Wilkinson RH Jr; Feldman JM, *Clin Nucl Med* 1987; 12: 268
- case report: calcified liver metastases from osteosarcoma, Shapiro RS; Mendelson DS; Norton KI; et al, *CT* 1988; 12: 196
- colorectal carcinoma: detection with indium-111 anticarcinoembryonic-antigen monoclonal antibody ZCE-025, Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW, *Radiology* 1987; 164: 617
- computed tomography in retroconversion of hepatic metastases from immature ovarian teratoma, Lentini JF; Love MR; Ritchie WGM; et al, *JCAT* 1986; 10: 1060
- CT appearance of liver metastases from medullary carcinoma of the thyroid, Bankoff MS; Tuckman GA; Scarborough D, *JCAT* 1987; 11: 1102
- CT demonstration of calcified liver metastases in medullary thyroid carcinoma, McDonnell CH III; Fishman EK; Zerhouni EA, *JCAT* 1986; 10: 976
- CT evaluation of extrahepatic disease in patients with metastatic colorectal carcinoma receiving hepatic arterial chemotherapy, Alterman DD; Barbour J; Glazer GM; et al, *J Canad Assoc Radiol* 1987; 38: 215
- differentiation of hepatic metastases from hepatic hemangiomas and cysts by using MR imaging, Wittenberg J; Stark DD; Forman BH; et al, *AJR* 1988; 151: 79

- distinction of hepatic cavernous hemangioma from hepatic metastases with MR imaging. Li KC; Glazer GM; Quint LE; Francis IR; Aisen AM; Ensminger WD; Bookstein FL. *Radiology* 1988; 169: 409
- effect of interferon on T1 relaxation times of liver metastases from endocrine gastrointestinal tumours. Andersson T; Eriksson B; Hemmingsson A; et al. *Acta Radiol* 1988; 29: 21
- ethiodized oil emulsion enhanced computerized tomography in the preoperative assessment of metastases to the liver from the colon and rectum. (ab). Reed WP; Haney PJ; Elias EG; et al. *Radiology* 1986; 160: 572
- extension of hepatic metastatic tumor along a biliary drainage catheter tract: case report. Contractor FM; Sharma P; Dash N; et al. *Cardiovasc Intervent Radiol* 1987; 10: 303
- focal liver masses: differential diagnosis with pulsed Doppler US. Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR. *Radiology* 1987; 164: 643
- hepatic artery injection of I-131-labeled lipiodol. part I. biodistribution study results in patients with hepatocellular carcinoma and liver metastases. Raoul J-L; Bourguet P; Bretagne J-F; Duvauferrier R; Coornaert S; Darnault P; Ramée A; Herry J-Y; Gastard J. *Radiology* 1988; 168: 541
- hepatic artery injection of I-131-labeled lipiodol. part II. preliminary results of therapeutic use in patients with hepatocellular carcinoma and liver metastases. Bretagne J-F; Raoul J-L; Bourguet P; Duvauferrier R; Deugnier Y; Faroux R; Ramée A; Herry J-Y; Gastard J. *Radiology* 1988; 168: 547
- hepatic metastases: randomized, controlled comparison of detection with MR imaging and CT. Stark DD; Wittenberg J; Butch RJ; Ferrucci JT Jr. *Radiology* 1987; 165: 399
- hepatic metastasis detection: comparison of three CT contrast enhancement methods. Miller DL; Simmons JT; Chang R; Ward BA; Shawker TH; Doppman JL; Chang AE. *Radiology* 1987; 165: 785
- hepatic metastasis detection: comparison of three CT contrast enhancement methods. Matsui O. *Radiology* 1988; 168: 283
- hepatic metastasis detection: comparison of three CT contrast enhancement methods: reply. Miller DL. *Radiology* 1988; 168: 284
- hepatic micrometastases in the rat: ferrite-enhanced MR imaging. Tsang Y-M; Stark DD; Chen M-C; Weissleder R; Wittenberg J; Ferrucci JT. *Radiology* 1988; 167: 21
- hypervascular hepatic metastases: CT evaluation. Bressler EL; Alpern MB; Glazer GM; Francis IR; Ensminger WD. *Radiology* 1987; 162: 49
- intra-arterial injection of adriamycin/mitomycin C Lipiodol suspension in liver metastases. Kobayashi H; Inoue H; Shimada J; et al. *Acta Radiol* 1987; 28: 275
- intraoperative radiation therapy of hepatic metastases: technical aspects and report of a pilot study. Dritschilo A; Harter KW; Thomas D; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1007
- liver and abdominal screening in patients with cancer: CT versus MR imaging. Chezmar JL; Rumancik WM; Megibow AJ; Hulnick DH; Nelson RC; Bernardino ME. *Radiology* 1988; 168: 43
- liver metastases from colorectal cancers: detection with CT during arterial portography. Matsui O; Takashima T; Kadota M; Suzuki M; Hirose J; Kameyama T; Choto S; Konishi H; Ida M; Yamaguchi A; Izumi R. *Radiology* 1987; 165: 65
- liver metastases: optimization of MR imaging pulse sequences at 1.0 T. Paling MR; Abbutt PL; Mugler JP; Brookeman JR. *Radiology* 1988; 167: 695
- magnetic resonance imaging, computed tomography, and radionuclide scintigraphy in detection of liver metastases. Bronschi MJ; Henkelman RM; Poon PY; et al. *J Canad Assoc Radiol* 1988; 39: 3
- perfluorochemicals as US contrast agents for tumor imaging and hepatosplenography: preliminary clinical results. Mattrey RF; Strich G; Shelton RE; Gosink BB; Leopold GR; Lee T; Forsythe J. *Radiology* 1987; 163: 339
- peripheral low-density area of hepatic tumors: CT-pathologic correlation. Muramatsu Y; Takayasu K; Moriama N; Shima Y; Goto H; Ushio K; Yamada T; Hasegawa H; Koyama Y; Hirohashi S. *Radiology* 1986; 160: 49
- peripheral low-density area of hepatic tumors: CT-pathologic correlation. Itai Y. *Radiology* 1987; 162: 876
- peripheral low-density area of hepatic tumors: CT-pathologic correlation: reply. Muramatsu Y. *Radiology* 1987; 162: 876
- progressive CT appearance of hepatic metastases from colorectal carcinoma. Letourneau JC; Thompson WM; Goldberg ME; et al. *Gastrointest Radiol* 1988; 13: 145
- radiologic diagnosis of liver metastases in colo-rectal carcinoma: prospective evaluation of the accuracy of angiography, ultrasonography, computed tomography and computed tomographic angiography. Lundstedt C; Ekberg H; Hederström E; et al. *Acta Radiol* 1987; 28: 431
- resection of the liver for colorectal carcinoma metastases: a multi-institutional study of long-term survivors. (ab). Hughes KS; Rosenstein RB; Songhorabadi S; et al. *Radiology* 1988; 169: 585
- response of colo-rectal hepatic metastases to concomitant radiotherapy and intravenous infusion 5 fluorouracil. Rotman M; Kuruvilla AM; Choi K; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2179
- superparamagnetic iron oxide: clinical application as a contrast agent for MR imaging of the liver. Stark DD; Weissleder R; Elizondo G; Hahn PF; Saini S; Todd LE; Wittenberg J; Ferrucci JT. *Radiology* 1988; 168: 297
- survival after palliative radiotherapy of liver metastases: a search for prognostic factors. Heimdal K; Hannisdal E; Fosså SD. *Acta Oncol* 1988; 27: 63
- technetium-99m MDP accumulation in hepatic metastasis from osteogenic sarcoma. Palestro C; Lawrence LP; Strashun AM; et al. *Clin Nucl Med* 1987; 12: 329
- ultrasonographic differentiation of hepatocellular carcinoma from metastatic liver cancer. Yoshida T; Matsue H; Okazaki N; et al. *JCU* 1987; 15: 431
- value and limitations of abdominal ultrasound in tumour staging—liver metastasis and lymphoma. Schölmerich J; Volk BA; Gerok W. *Eur J Radiol* 1987; 7: 243
- visual contrast enhancement with a patterned overlay. Kunin M; Phillips JJ; Schwarz G. *Radiology* 1988; 167: 271
- visualization of metastatic liver disease on technetium-99m bone scintigraphy. Romyan AM; Bushnell DL; Freeman ML; et al. *Clin Nucl Med* 1987; 12: 264

Liver neoplasms, therapeutic radiology

- comparison of misonidazole sensitized radiation therapy to radiation therapy alone for the palliation of hepatic metastases: results of a radiation therapy oncology group randomized prospective trial. Leibel SA; Pajak TF; Massullo V; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1057
- dose volume histogram analysis of liver radiation tolerance. Austin-Seymour MM; Chen GTY; Castro JR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 31
- dosimetry and treatment planning for ⁹⁰Y-labeled antiferritin in hepatoma. Lechner PK; Yang N-C; Frenkel TL; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1033
- dosimetry of iodine-131 Ethiodol in the treatment of hepatoma. Madsen MT; Park CH; Thakur ML. *J Nucl Med* 1988; 29: 1038
- hepatic artery injection of I-131-labeled lipiodol. part II. preliminary results of therapeutic use in patients with hepatocellular carcinoma and liver metastases. Bretagne J-F; Raoul J-L; Bourguet P; Duvauferrier R; Deugnier Y; Faroux R; Ramée A; Herry J-Y; Gastard J. *Radiology* 1988; 168: 547
- hepatic malignancies: improved treatment with intraarterial Y-90. Herba MJ; Illescas FF; Thirlwell MP; Boos GJ; Rosenthal L; Atri M; Bret PM. *Radiology* 1988; 169: 311
- hepatobiliary scintigraphy in patients receiving hepatic artery infusion chemotherapy. (ab). Housholder DF; Hynes HE; Dakhil SR; et al. *Radiology* 1986; 159: 821
- interstitial radiation therapy for hepatic metastases: sonographic guidance for applicator placement. Dritschilo A; Grant EG; Harter KW; et al. *AJR* 1986; 147: 275
- intraoperative radiation therapy of hepatic metastases: technical aspects and report of a pilot study. Dritschilo A; Harter KW; Thomas D; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1007
- response of colo-rectal hepatic metastases to concomitant radiotherapy and intravenous infusion 5 fluorouracil. Rotman M; Kuruvilla AM; Choi K; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2179
- survival after palliative radiotherapy of liver metastases: a search for prognostic factors. Heimdal K; Hannisdal E; Fosså SD. *Acta Oncol* 1988; 27: 63

Liver neoplasms, therapy

- biodistribution and in vivo kinetics of iodine-131 lipiodol infused via the hepatic artery of patients with hepatic cancer. Nakajo M; Kobayashi H; Shimabukuro K; et al. *J Nucl Med* 1988; 29: 1066
- causes of jaundice during hepatic artery infusion chemotherapy. Anderson SD; Holley HC; Berland LL; Van Dyke JA; Stanley RJ. *Radiology* 1986; 161: 439
- computed tomography of residual hepatomas following transcatheter arterial embolization. Murayama S; Tsukamoto Y; Watanabe H; et al. *JCAT* 1986; 10: 969
- DSA evaluation of surgically implantable Infusaid pump-catheter systems. Sanchez FW; Chuang VP; Murray DR; et al. *AJR* 1986; 146: 839
- evaluation of intrahepatic I-131 Ethiodol on a patient with hepatocellular carcinoma: therapeutic feasibility study. Park CH; Suh JH; Yoo HS; et al. *Clin Nucl Med* 1986; 11: 514
- hepatic artery injection of I-131-labeled lipiodol. part I. biodistribution study results in patients with hepatocellular carcinoma and liver metastases. Raoul J-L; Bourguet P; Bretagne J-F; Duvauferrier R; Coornaert S; Darnault P; Ramée A; Herry J-Y; Gastard J. *Radiology* 1988; 168: 541
- hepatic embolization with an open-ended guide wire. Coldwell DM. *Radiology* 1987; 165: 285
- hepatocellular carcinoma: treatment with intraarterial iodized oil with and without chemotherapeutic agents. Takayasu K; Shima Y; Muramatsu Y; Moriama N; Yamada T; Makuuchi M; Hasegawa H; Hirohashi S. *Radiology* 1987; 163: 345
- intra-arterial cis-platinum infusion with sodium thiosulfate protection and angiotensin II induced hypertension for treatment of hepatocellular carcinoma. Onohara S; Kobayashi H; Itoh Y; et al. *Acta Radiol* 1988; 29: 197
- intra-arterial mitomycin C treatment of unresectable liver tumours: preliminary results on the effect of degradable starch microspheres. Starkhammar H; Håkansson L; Morales O; et al. *Acta Oncol* 1987; 26: 295
- MR imaging of hepatoma treated by embolization. Ohtomo K; Itai Y; Yoshikawa K; et al. *JCAT* 1986; 10: 973
- percutaneous ethanol injection in the treatment of liver neoplasms. Shima S; Yasuda H; Muto H; et al. *AJR* 1987; 149: 949
- regional infusion for colorectal hepatic metastases: a randomized trial comparing the hepatic artery with the portal vein. (ab). Daly JM; Kemeny N; Sigurdson E; et al. *Radiology* 1988; 167: 290
- small hepatocellular carcinoma: intratumor ethanol treatment using new needle and guidance systems. Sheu J-C; Huang G-T; Chen D-S; Sung J-L; Yang P-M; Wei T-C; Lai M-Y; Su C-T; Tsang Y-M; Hsu H-C; Su I-J; Wu T-T; Lin J-T; Chuang C-N. *Radiology* 1987; 163: 43

- small hepatocellular carcinoma: percutaneous alcohol injection—results in 23 patients, Livraghi T; Salmi A; Bolondi L; Marin G; Arienti V; Monti F; Vettori C, *Radiology* 1988; 168: 313
- technetium-99m macroaggregates for the study of the distribution of arterial infusion chemotherapy in the liver, Lubin E; Cyron A; Neuman M, *Clin Nucl Med* 1987; 12: 385
- transcatheter arterial embolization in hepatoma complicated with obstructive jaundice, Nakao N; Ishikura R; Miura K; et al, *Cardiovasc Intervent Radiol* 1987; 10: 40
- ultrasonic and histopathological correlations of deep focal hepatic lesions induced by stereotactic Nd-YAG laser applications, Godlewski G; Bourgeois JM; Sambuc P; et al, *Ultrasound Med Biol* 1988; 14: 287
- US-guided percutaneous alcohol injection of small hepatic and abdominal tumors, Livraghi T; Festi D; Monti F; Salmi A; Vettori C, *Radiology* 1986; 161: 309
- utility of operative ultrasound in the surgical management of liver tumors, (ab), Castaing D; Emond J; Bismuth H; et al, *Radiology* 1987; 164: 291
- Liver neoplasms, US studies**
- accuracy of dynamic ultrasonography in the diagnosis of malignant liver lesions, Holm J; Jacobsen B, *J Ultrasound Med* 1986; 5: 1
- angiography, computed tomography, magnetic resonance imaging and ultrasonography in detection of liver metastases from endocrine gastrointestinal tumours, Andersson T; Eriksson B; Hemmingsson A; et al, *Acta Radiol* 1987; 28: 535
- computed tomography and ultrasonography of hepatoma, Teefey SA; Stephens DH; James EM; et al, *Clin Radiol* 1986; 37: 339
- diagnostic accuracy of ultrasonography for hepatocellular carcinoma, (ab), Tanaka S; Kitamura T; Ohshima A; et al, *Radiology* 1987; 162: 292
- early detection of hepatocellular carcinoma by real-time ultrasonography: prospective study, (ab), Sheu J-C; Sung J-I; Chen D-S; et al, *Radiology* 1986; 158: 566
- effect of cirrhosis on accuracy of ^{99m}Tc-tin colloid scintigraphy and ultrasound scanning in diagnosis of hepatocellular carcinoma, Powell-Jackson F; Forbes A; Michell M; et al, *Br J Radiol* 1987; 60: 1221
- fibrolamellar carcinoma of the liver: CT, ultrasound and angiography: case report, Bedi DG; Kumar R; Moretini LB; et al, *Eur J Radiol* 1988; 8: 109
- fibrolamellar hepatocellular carcinoma: pitfalls in nonoperative diagnosis, Titelbaum DS; Burke DR; Meranze SG; Saul SH, *Radiology* 1988; 167: 25
- focal liver masses: differential diagnosis with pulsed Doppler US, Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR, *Radiology* 1987; 164: 643
- hepatic lipomas: ultrasound and computed tomographic findings, Bruneton J-N; Kerboul P; Drouillard J; et al, *Gastrointest Radiol* 1987; 12: 299
- hepatic plasmocytoma: sonographic and CT findings, Mathieu D; Elouzer-Blanc L; Divine M; et al, *JCAT* 1986; 10: 144
- hepatoblastoma: radiologic-pathologic correlation in 50 cases, Dachman AH; Pakter RL; Ros PR; Fishman EK; Goodman ZD; Lichtenstein JE, *Radiology* 1987; 164: 15
- infantile hemangioendothelioma of the liver, Diakoumakis EE; Weinberg B; Seife B; et al, *JCU* 1986; 14: 137
- intrahepatic cholangiocarcinoma: radiologic-pathologic correlation, Ros PR; Buck JL; Goodman ZD; Ros AMV; Olmsted WW, *Radiology* 1988; 167: 689
- intratumoral blood flow: evaluation with color Doppler echography, Shimamoto K; Sakuma S; Ishigaki T; Makino N, *Radiology* 1987; 165: 683
- lipomatous tumors of the liver: evaluation with CT and US, Roberts JL; Fishman EK; Hartman DS; Sanders RC; Goodman ZD; Siegelman SS, *Radiology* 1986; 158: 613
- metastatic nodules of hepatocellular carcinoma: detection with angiography, CT, and US, Hayashi N; Yamamoto K; Tamaki N; Shibata T; Itoh K; Fujisawa I; Nakano Y; Yamaoka Y; Kobayashi N; Mori K; Ozawa K; Torizuka K, *Radiology* 1987; 163: 61
- ovarian carcinoma follow-up: US versus laparotomy, Khan O; Cosgrove DO; Fried AM; Savage PE, *Radiology* 1986; 159: 111
- perfluorochemicals as US contrast agents for tumor imaging and hepatosplenography: preliminary clinical results, Mattrey RF; Strich G; Shelton RE; Gosink BB; Leopold GR; Lee T; Forsythe J, *Radiology* 1987; 163: 339
- radiology of fibrolamellar hepatoma, Adam A; Gibson RN; Soreide O; et al, *Clin Radiol* 1986; 37: 355
- "scar sign" on computed tomography and sonography in fibrolamellar hepatocellular carcinoma, Kane RA; Curatolo P; Khettry U, *CT* 1987; 11: 27
- small hepatocellular carcinoma: percutaneous alcohol injection—results in 23 patients, Livraghi T; Salmi A; Bolondi L; Marin G; Arienti V; Monti F; Vettori C, *Radiology* 1988; 168: 313
- small hepatocellular carcinomas in chronic liver disease: detection with SPECT, Kudo M; Hirasawa M; Takakuwa H; Ibuki Y; Fujimi K; Miyamura M; Tomita S; Komori H; Todo A; Kitaura Y; Ikekubo K; Torizuka K, *Radiology* 1986; 159: 697
- spontaneous regression of mesenchymal hamartoma: observations using ultrasound, Kenney JJ; Hendry GMA; Mackinlay GA, *JCU* 1986; 14: 72
- ultrasonic and histopathological correlations of deep focal hepatic lesions induced by stereotactic Nd-YAG laser applications, Godlewski G; Bourgeois JM; Sambuc P; et al, *Ultrasound Med Biol* 1988; 14: 287
- ultrasonographic differentiation of hepatocellular carcinoma from metastatic liver cancer, Yoshida T; Matsue H; Okazaki N; et al, *JCU* 1987; 15: 431
- ultrasonographic patterns of focal hepatic and splenic lesions in Hodgkin's and non-Hodgkin's lymphoma, Wernecke K; Peters PE; Kruger K-G, *Br J Radiol* 1987; 60: 655
- ultrasound, CT, and MRI comparison in primary and secondary tumors of the liver, Curati WL; Halevy A; Gibson RN; et al, *Gastrointest Radiol* 1988; 13: 123
- undifferentiated (embryonal) sarcoma of the liver: radiologic-pathologic correlation, Ros PR; Olmsted WW; Dachman AH; Goodman ZD; Ishak KG; Hartman DS, *Radiology* 1986; 161: 141
- value and limitations of abdominal ultrasound in tumour staging—liver metastasis and lymphoma, Schölmerich J; Volk BA; Gerok W, *Eur J Radiol* 1987; 7: 243
- Lung**
- See also Bronchi; Lung neoplasms; Pleura; Respiratory distress syndrome
- complications of intrahospital transport in critically ill patients, (ab), Braman SS; Dunn SM; Amico CA; et al, *Radiology* 1988; 167: 589
- radiologic features of Dévé's accessory lobe, Reed MH, *J Canad Assoc Radiol* 1988; 39: 13
- Lung abnormalities**
- abnormal pulmonary aeration in infants and children, Newman B; Oh KS, *Radiol Clin North Am* 1988; 26: 323
- agenesis of the lung, Josephsen L; Josephsen P; Bitsch KR, *Pediatr Radiol* 1986; 16: 334
- biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J, *Radiology* 1987; 163: 377
- bolus dynamic computed tomography in the evaluation of pulmonary sequestration, Buckwalter KA; Gross BH; Hernandez RJ, *CT* 1987; 11: 335
- cardiopulmonary manifestations of sickle cell disease in childhood, Smith JA, *Semin Roentgenol* 1987; 22: 160
- case report: anomalous systemic venous drainage occurring in association with the hypogenetic lung syndrome, Heron CW; Pozniak AL; Hunter GJS; et al, *Clin Radiol* 1988; 39: 446
- congenital anomalies of the lungs in adults: MR diagnosis, Naidich DP; Rumancic WM; Ettinger NA; et al, *AJR* 1988; 151: 13
- continuum of pulmonary developmental anomalies, Panicek DM; Heitzman ER; Randall PA; Groskin SA; Chew FS; Lane EJ Jr; Markarian B, *Radiographics* 1987; 7: 747
- dyskinetic cilia syndrome: clinical, radiographic and scintigraphic findings, Reyes de la Rocha S; Pryher TJ; Leonard JC, *Pediatr Radiol* 1987; 17: 97
- follow-up chest radiographs in Vietnam veterans: are they useful?, Pollei SR; Mettler FA Jr; Kelsey CA; Walters MR; White RE, *Radiology* 1986; 161: 101
- follow-up chest radiographs in Vietnam veterans: are they useful?, Winkler SS, *Radiology* 1987; 163: 583
- follow-up chest radiographs in Vietnam veterans: are they useful? reply, Pollei SR; Mettler FA Jr, *Radiology* 1987; 163: 583
- horseshoe lung: clinical, pathologic, and radiologic features and a new plain film finding, Frank JL; Poole CA; Kosas G, *AJR* 1986; 146: 217
- "horseshoe" lung: report of five new cases, Freedom RM; Burrows PE; Moes CAF, *AJR* 1986; 146: 211
- horseshoe lung with multiple congenital anomalies: case report and review of the literature, Hawas ND; Badawi MG; Fatani JA; et al, *Acta Radiol* 1987; 28: 751
- intralobar pulmonary sequestration: MR evaluation, Naidich DP; Rumancic WM; Lefleur RS; et al, *JCAT* 1987; 11: 531
- magnetic resonance imaging to diagnose intralobar pulmonary sequestration, (ab), Oliphant L; McFadden RG; Carr TJ; et al, *Radiology* 1988; 166: 292
- MRI demonstration of pulmonary sequestration, Pesar ML; Soulen RL; Kan JS; et al, *Pediatr Radiol* 1988; 18: 229
- pneumothorax and other lung diseases: effect of altered resolution and edge enhancement on diagnosis with digitized radiographs, Goodman LR; Foley WD; Wilson CR; Tikofsky RS; Hoffmann RG, *Radiology* 1988; 167: 83
- prenatal diagnosis of bilateral cystic adenomatoid malformation of the lung, Rempen A; Feige A; Wunsch P, *JCU* 1987; 15: 3
- prenatal sonographic depiction of intralobar pulmonary sequestration, Maulik D; Robinson L; Daily DK; et al, *J Ultrasound Med* 1987; 6: 703
- progression of morphologic changes in bronchopulmonary dysplasia, (ab), Erickson AM; de la Monte SM; Moore GW; et al, *Radiology* 1987; 165: 587
- pulmonary alveolar phospholipoproteinosis: experience with 34 cases and a review, (ab), Fraksh UB; Barham SS; Carpenter HA; et al, *Radiology* 1987; 165: 295
- pulmonary sequestration and related congenital bronchopulmonary-vascular malformations: nomenclature and classification based on anatomical and embryological considerations, (ab), Clements BS; Warner JO, *Radiology* 1988; 166: 909
- pulmonary sequestration of the upper lobe in children, Hoeffel J-C; Bernard C, *Radiology* 1986; 160: 513
- radiographic changes associated with cigarette smoking, Langlois SLP; Heath R; Lian-Lloyd A, *Australas Radiol* 1987; 31: 371
- scimitar ectopnea—the dysmorphic right lung, Partridge JB; Osborne JM; Slaughter RE, *Clin Radiol* 1988; 39: 11
- shrinking lungs, diaphragmatic dysfunction, and systemic lupus erythematosus, (ab), Thompson PJ; Dhillion DP; Ledingham J; et al, *Radiology* 1986; 158: 857
- single, mediastinal, unilobar lung—rare form of subtotal pulmonary agenesis, Markowitz RI; Frederick W; Rosenfield NS; et al, *Pediatr Radiol* 1987; 17: 269
- sonographic detection of fetal extrathoracic pulmonary sequestration, Mariona F; McAlpin G; Zador I; et al, *J Ultrasound Med* 1986; 5: 283

Lung, abnormalities

- unusual demonstration of supernumerary bronchial lobe by pulmonary imaging, Liu R-S; Chen C-Y; Yeh S-H, *Clin Nucl Med* 1986; 11: 438
- Lung, abscess**
- case of the month: rounded opacity in a young man's chest, Gupta RK; Chawla R; Pant CS, *Br J Radiol* 1987; 60: 411
- indium-111 labeled leukocyte images demonstrating a lung abscess with prominent fluid level, Massie JD; Winer-Muram H, *Clin Nucl Med* 1986; 11: 590
- indwelling transbronchial catheter drainage of pulmonary abscess, (ab), Schmitt GS; Ohar JM; Kanter KR; et al, *Radiology* 1988; 168: 884
- nocardiosis of the lung: chest radiographic findings in 21 cases, Feigin DS, *Radiology* 1986; 159: 9
- percutaneous small bore catheter drainage in the management of lung abscesses, (ab), Parker LA; Melton JW; Delany DJ; et al, *Radiology* 1988; 167: 587
- thoracic radiology: RSNA '87 meeting notes, Greene R; Levitt RG; Miller WT; Anderson DJ; Gefter WB; Glazer HS; Jost RG; Molina PL; Oestmann JW; Sagel S; Stark P; Steiner R, *Radiology* 1988; 166: 920
- tube drainage of lung abscesses, (ab), Rice TW; Ginsberg RJ; Todd TR, *Radiology* 1988; 167: 291
- Lung, aeration**
- See Lung, ventilation
- Lung, anatomy**
- illusory consolidation of the left lower lobe: a pitfall of portable radiography, Zylak CJ; Littleton JT; Durich ML, *Radiology* 1988; 167: 653
- left minor fissure, Austin JHM, *Radiology* 1986; 161: 433
- neofissure after right upper lobectomy: radiographic evaluation, Mahoney MC; Shipley RT, *Radiology* 1988; 166: 721
- normal and diseased isolated lungs: high-resolution CT, Webb WR; Stein MC; Finkbeiner WE; Im J-G; Lynch D; Gamsu G, *Radiology* 1988; 166: 81
- postlobectomy chest: anatomic considerations, Holbert JM; Chasen MH; Lipshitz HI; Mountain CF, *Radiographics* 1987; 7: 889
- right middle lobe collapse following right upper lobectomy, Shipley RT; Mahoney MC, *Radiology* 1988; 166: 725
- sagittal orientation of the anterior minor fissure: radiography and CT, Gross BH; Spizarny DL; Granke DS, *Radiology* 1988; 166: 717
- secondary pulmonary lobule: normal and abnormal CT appearances, Bergin C; Roggli V; Coblentz C; et al, *AJR* 1988; 151: 21
- Lung, angiography**
- See Pulmonary angiography
- Lung, aspiration**
- aspiration of solid food particles into lungs of patients with gastroesophageal reflux and chronic bronchial disease, (ab), Crausaz FM; Favez G, *Radiology* 1988; 168: 587
- clinical outcome of needle aspirations of the lung when cancer is not diagnosed, (ab), Calhoun P; Feldman PS; Armstrong P; et al, *Radiology* 1986; 161: 858
- fatal systemic arterial air embolism following lung needle aspiration, Aberle DR; Gamsu G; Golden JA, *Radiology* 1987; 165: 351
- fine needle aspiration of the lung: pathologist's perspective, Dziura BR, *J Thorac Imag* 1987; 2: 49
- how useful is gastroesophageal reflux scintigraphy in suspected childhood aspiration?, Fawcett HD; Hayden CK; Adams JC; et al, *Pediatr Radiol* 1988; 18: 311
- identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens, Doppman JL; Loughlin T; Miller DL; Pass HI; Chrousos GP; Cutler GB Jr; Oldfield EH; Loriaux DL, *Radiology* 1987; 163: 501
- interpretation of negative results in fine needle aspiration of discrete pulmonary lesions, (ab), Winning AJ; McIvor J; Seed WA; et al, *Radiology* 1987; 164: 291
- lung lesions: cytologic diagnosis by fine-needle biopsy, Stanley JH; Fish GD; Andriole JC; Gobien RP; Betsill WL; Laden SA; Schabel SI, *Radiology* 1987; 162: 389
- pneumonia in children and some of its variants, Griscorn NT, *Radiology* 1988; 167: 297
- transbronchial needle aspiration, Kelly SJ; Wang KP, *J Thorac Imag* 1987; 2: 33
- transcutaneous needle aspiration of solitary pulmonary masses: how many passes?, (ab), Williams AJ; Santiago S; Lehrman S; et al, *Radiology* 1988; 166: 292
- transsternal needle aspiration biopsy—optimizing the yield, Khouri NF; Meziame MA, *J Thorac Imag* 1987; 2: 18
- Lung, atelectasis**
- See Lung, collapse
- Lung, biopsy**
- air embolism complicating percutaneous lung biopsy, Tolly TL; Feldmeier JE; Czarnecki D, *AJR* 1988; 150: 555
- air embolism complicating percutaneous thin needle biopsy of lung, (ab), Cianci P; Posin JP; Shimshak RR; et al, *Radiology* 1988; 167: 290
- complications of transsternal needle biopsy decreased with isobutyl 2-cyanoacrylate: a pilot study, (ab), Skupin A; Gomez F; Husain M; et al, *Radiology* 1987; 165: 883
- correlation between needle biopsy of lung tumors and histopathologic analysis of resected specimens, (ab), Horrigan TP; Bergin KT; Snow N, *Radiology* 1987; 163: 837
- CT-guided aspirations for the body: comparison of hand guidance with stereotaxis, Onik G; Cosman ER; Wells TH Jr; Goldberg HI; Moss AA; Costello P; Kane RA; Hoddick WI; Demas B, *Radiology* 1988; 166: 389
- diagnosis for interstitial lung disease in patients with acquired immunodeficiency syndrome (AIDS): prospective comparison of bronchial washing, alveolar lavage, transbronchial lung biopsy, and open-lung biopsy, (ab), McKenna RJ Jr; Campbell A; McMurray MJ; et al, *Radiology* 1986; 160: 571
- diagnosis of diffuse malignant infiltration of lung (lymphangitic carcinomatosis) by percutaneous fine-needle aspiration biopsy, (ab), Weisbrod GL; Stoneman HR; Tao LC, *Radiology* 1986; 159: 569
- difficult thoracic lesions: CT-guided biopsy experience in 150 cases, vanSonnenberg E; Casola G; Ho M; Neff CC; Varney RR; Wittich GR; Christensen R; Friedman PJ, *Radiology* 1988; 167: 457
- drill biopsy in the diagnosis of lung lesions, (ab), Shatpathy P; Sahoo RC; Rao KM; et al, *Radiology* 1988; 166: 883
- efficacy and complications of transsternal needle biopsy of lung in patients with Pneumocystis carinii pneumonia and AIDS, Batra P; Wallace JM; Ovensfors C-O, *J Thorac Imag* 1987; 2: 79
- fatal systemic arterial air embolism following lung needle aspiration, Aberle DR; Gamsu G; Golden JA, *Radiology* 1987; 165: 351
- fine needle aspiration biopsy of mediastinal and peripheral pulmonary masses guided by real-time sonography, (ab), Pedersen OM; Aasen TB; Gulsvik A; et al, *Radiology* 1986; 160: 856
- fine needle aspiration of the lung: pathologist's perspective, Dziura BR, *J Thorac Imag* 1987; 2: 49
- identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens, Doppman JL; Loughlin T; Miller DL; Pass HI; Chrousos GP; Cutler GB Jr; Oldfield EH; Loriaux DL, *Radiology* 1987; 163: 501
- idiopathic pulmonary fibrosis: CT and pathologic correlation, Müller NL; Staples CA; Miller RR; Vedral S; Thurlbeck WM; Ostrow DN, *Radiology* 1987; 165: 731
- importance and value of a preoperative diagnosis in oat cell carcinoma by radiography and its verification by fine needle biopsy (FNB), (ab), Sinner WN, *Radiology* 1986; 158: 565
- indications for and diagnostic efficacy of open-lung biopsy in the patient with acquired immunodeficiency syndrome (AIDS), (ab), Pass HI; Potter D; Shelhammer J; et al, *Radiology* 1986; 160: 571
- interpretation of negative results in fine needle aspiration of discrete pulmonary lesions, (ab), Winning AJ; McIvor J; Seed WA; et al, *Radiology* 1987; 164: 291
- lingular and right middle lobe biopsy in the assessment of diffuse lung disease, (ab), Miller RR; Nelems B; Müller NL; et al, *Radiology* 1988; 167: 587
- lung lesions: cytologic diagnosis by fine-needle biopsy, Stanley JH; Fish GD; Andriole JC; Gobien RP; Betsill WL; Laden SA; Schabel SI, *Radiology* 1987; 162: 389
- percutaneous needle lung aspiration for diagnosing pneumonitis in the patient with acquired immunodeficiency syndrome (AIDS), (ab), Wallace JM; Batra P; Gong H Jr; et al, *Radiology* 1986; 160: 572
- pneumothorax: radiologic treatment with small catheters, Casola G; vanSonnenberg E; Keightley A; Ho M; Withers C; Lee AS, *Radiology* 1988; 166: 89
- preliminary experience with a dual cutting edge needle in thoracic percutaneous fine-needle aspiration biopsy, Weisbrod GL; Herman SJ; Tao L-C, *Radiology* 1987; 163: 75
- pulmonary lymphangitic carcinomatosis: CT and pathologic findings, Munk PL; Müller NL; Miller RR; Ostrow DN, *Radiology* 1988; 166: 705
- seeding of malignant cells into the needle track after lung and pleural biopsy, Müller NL; Bergin C; Miller RR; et al, *J Canad Assoc Radiol* 1986; 37: 192
- small cell anaplastic carcinoma: cytological-histological correlations from percutaneous fine-needle aspiration biopsy, Weisbrod GL; Cunningham I; Tao LC; et al, *J Canad Assoc Radiol* 1987; 38: 204
- thoracic needle biopsy: improved results utilizing the team approach, (ab), Conces DJ Jr; Schwenk R Jr; Doering PK; et al, *Radiology* 1987; 165: 883
- thoracic radiology: RSNA '87 meeting notes, Greene R; Levitt RG; Miller WT; Anderson DJ; Gefter WB; Glazer HS; Jost RG; Molina PL; Oestmann JW; Sagel S; Stark P; Steiner R, *Radiology* 1988; 166: 920
- transbronchial needle aspiration, Kelly SJ; Wang KP, *J Thorac Imag* 1987; 2: 33
- transsternal needle aspiration biopsy: evaluation of the blood patch technique, Bourgoin PM; Shepard JO; McLoud TC; Spizarny DL; Dedrick CG, *Radiology* 1988; 166: 93
- transsternal needle aspiration biopsy: evaluation of the blood patch technique, Surprenant EL, *Radiology* 1988; 168: 285
- transsternal needle aspiration biopsy: evaluation of the blood patch technique: reply, Shepard JO; McLoud TC, *Radiology* 1988; 168: 285
- transsternal needle aspiration biopsy—optimizing the yield, Khouri NF; Meziame MA, *J Thorac Imag* 1987; 2: 18
- transsternal needle aspiration: use of a small chest tube to treat pneumothorax, Perlmutt LM; Braun SD; Newman GE; et al, *AJR* 1987; 148: 849
- transsternal needle biopsy of lung in non-hospitalized patients, (ab), Poe RH; Kallay MC, *Radiology* 1988; 167: 290
- triple fine-needle biopsy of Kulchitsky cell carcinomas I, II (bronchial adenomas), Sinner WN, *Eur J Radiol* 1988; 8: 165
- Lung, calcification**
- abnormal lung and liver uptake of gallium-67 and technetium-99m MDP in hypercalcemia of lymphoma with metastatic pulmonary calcification, Sullivan WT; Orzel JA; Reed KD; et al, *Clin Nucl Med* 1986; 11: 545
- calcified postinflammatory pseudotumor of the lung: CT features, Kaufman RA, *JCAT* 1988; 12: 653
- computed tomographic and pathological findings in pulmonary alveolar microlithiasis, Chalmers AG; Wyatt J; Robinson PJ, *Br J Radiol* 1986; 59: 408
- CT demonstration of interlobar fissure calcification due to asbestos exposure, Rockoff SD, *JCAT* 1987; 11: 1066
- CT evidence of calcification within a small cell carcinoma of the lung, Kyser PL; McComb BL; Bennett WF, *Comput Radiol* 1986; 10: 107
- dual-energy digital radiographic quantification of calcium in simulated pulmonary nodules, Hickey NM; Niklason LT; Sabbagh E; et al, *AJR* 1987; 148: 19

- dystrophic calcification in carcinoma of the lung: demonstration by CT, Stewart JG; MacMahon H; Vyborny CJ; et al, *AJR* 1987; 148: 29
- lung uptake of technetium-99m phosphate compounds after liver transplantation, Raisis IP; Park CH; Yang SL; et al, *Clin Nucl Med* 1988; 13: 188
- metastatic calcification of the heart and lungs in end-stage renal disease: detection and quantification by dual-energy digital chest radiography, Sanders C; Frank MS; Rostand SG; et al, *AJR* 1987; 149: 881
- progressive pulmonary calcification complicating successful transplantation, (ab), Breitzi HB; Sirotta PS; Nelp WB; et al, *Radiology* 1988; 168: 292
- pulmonary alveolar microlithiasis in pediatric patients—review of the world literature and two new observations, Voile E; Kaufmann HJ, *Pediatr Radiol* 1987; 17: 439
- pulmonary hamartoma: CT findings, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1986; 160: 313
- pulmonary hamartoma: CT findings, Rubinstein I; Hoffstein V, *Radiology* 1987; 162: 878
- pulmonary hamartoma: CT findings: reply, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1987; 162: 878
- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study, Littleton JT, *Radiology* 1987; 162: 288
- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study: reply, Chasen MH; McCarthy MJ, *Radiology* 1987; 162: 288
- solitary pulmonary nodules: CT assessment, Siegelman SS; Khouri NF; Leo FP; Fishman EK; Braverman RM; Zerhouni EA, *Radiology* 1986; 160: 307
- solitary pulmonary opacities: plain tomography, Huston J III; Muhm JR, *Radiology* 1987; 163: 481
- Lung, cavitation**
- radiology of aseptic cavitation in pulmonary infarction, Wilson AG; Joseph AEA; Butland RJA, *Clin Radiol* 1986; 37: 327
- Lung, chronic obstructive lung disease**
- centrilobular emphysema: CT-pathologic correlation, Foster WL Jr; Pratt PC; Roggli VL; Godwin JD; Halvorsen RA Jr; Putman CE, *Radiology* 1986; 159: 27
- radioaerosol assessment of mucociliary clearance: towards definition of a normal range, Agnew JE; Sutton PP; Pavia D; et al, *Br J Radiol* 1986; 59: 147
- role of chest radiography in predicting the extent of airway disease in patients with suspected pulmonary embolism, Smith R; Ellis K; Alderson PO, *Radiology* 1986; 159: 391
- Lung, collapse**
- acute unilateral pulmonary nonventilation due to mucous plugs, Pham DH; Huang D; Korwan A; Greyson ND, *Radiology* 1987; 165: 135
- asbestos-related focal lung masses: manifestations on conventional and high-resolution CT scans, Lynch DA; Gamsu G; Ray CS; Aberle DR, *Radiology* 1988; 169: 603
- computed tomography of combined right upper and middle lobe collapse, Saterfiel JL; Virapongse C; Clore FC, *JCAT* 1988; 12: 383
- CT correlation in peripheral right upper lobe collapse, Adler J; Cameron DC, *JCAT* 1988; 12: 510
- CT of subpulmonic pleural effusions and atelectasis: criteria for differentiation from subpleural fluid, Federle MP; Mark AS; Guilaumin ES, *AJR* 1986; 146: 685
- determining the cause of pulmonary atelectasis: a comparison of plain radiography and CT, Woodring JH, *AJR* 1988; 150: 757
- differentiation of proximal bronchogenic carcinoma from postobstructive lobar collapse by magnetic resonance imaging: comparison with computed tomography, Tobler J; Levitt RG; Glazer HS; et al, *Invest Radiol* 1987; 22: 538
- lung torsion: case report and literature review, Moser ES Jr; Proto AV, *Radiology* 1987; 162: 639
- lung torsion: radiographic findings in nine cases, Felson B, *Radiology* 1987; 162: 631
- mediastinal pseudomass: pneumonia and atelectasis behind the left pulmonary ligament, Malmgren N; Laurin S; Ivancek K; et al, *Pediatr Radiol* 1987; 17: 451
- phrenic nerve function and its relationship to atelectasis after coronary artery bypass surgery, (ab), Wilcox P; Baile EM; Hards J; et al, *Radiology* 1988; 169: 295
- postlobectomy chest: anatomic considerations, Holbert JM; Chasen MH; Lipshitz HI; Mountain CF, *Radiographics* 1987; 7: 889
- response of atelectasis from lung cancer to radiation therapy, Majid OA; Lee S; Khushalani S; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 231
- right middle lobe collapse following right upper lobectomy, Shipley RT; Mahoney MC, *Radiology* 1988; 166: 725
- round atelectasis, Woodring JH, *Australas Radiol* 1987; 31: 144
- round atelectasis: pathologic and pathogenetic features, (ab), Menzies R; Fraser R, *Radiology* 1988; 166: 909
- shrinking pleuritis with atelectasis: specificity of abnormalities present at conventional radiography of the lung, (ab), Dernevik L; Brolin I; Larsson S; et al, *Radiology* 1986; 159: 286
- upper lobe volume loss: divergent and parallel patterns of vascular reorientation, Proto AV; Moser ES Jr, *Radiographics* 1987; 7: 875
- Lung, consolidation**
- adult respiratory distress syndrome: acute alveolar damage, Greene R, *Radiology* 1987; 163: 57
- bronchoalveolar lavage: radiographic manifestations, Gurney JW; Harrison WC; Sears K; Robbins RA; Dobry CA; Rennard SI, *Radiology* 1987; 163: 71
- MRI of pulmonary airspace disease: experimental model and preliminary clinical results, Moore EH; Webb WR; Müller NL; et al, *AJR* 1986; 146: 1123
- Lung, CT**
- asbestos-related pleural and parenchymal fibrosis: detection with high-resolution CT, Aberle DR; Gamsu G; Ray CS; Feuerstein IM, *Radiology* 1988; 166: 729
- bolus dynamic computed tomography in the evaluation of pulmonary sequestration, Buckwalter KA; Gross BH; Hernandez RJ, *CT* 1987; 11: 335
- calcified postinflammatory pseudotumor of the lung: CT features, Kaufman RA, *JCAT* 1988; 12: 653
- case report and review: computed tomography of multiple nodular pulmonary amyloidosis, Savader SJ; Nokes SR; Chappel G, *Comput Radiol* 1987; 11: 111
- centrilobular emphysema: CT-pathologic correlation, Foster WL Jr; Pratt PC; Roggli VL; Godwin JD; Halvorsen RA Jr; Putman CE, *Radiology* 1986; 159: 27
- centrilobular lesions of the lung: demonstration by high-resolution CT and pathologic correlation, Murata K; Itoh H; Todo G; Kanaoka M; Noma S; Itoh T; Furuta M; Asamoto H; Torizuka K, *Radiology* 1986; 161: 641
- classification of parenchymal injuries of the lung, Wagner RB; Crawford WO Jr; Schimpf PP, *Radiology* 1988; 167: 77
- comparison of computed tomographic lung density with haemodynamic data of the pulmonary circulation, Vock P; Salzmann C, *Clin Radiol* 1986; 37: 459
- comparison of narrow section computed tomography and plain chest radiography in chronic allergic bronchopulmonary aspergillosis, Currie DC; Goldman JM; Cole PJ; et al, *Clin Radiol* 1987; 38: 593
- computed chest tomography in the evaluation of hemoptysis, (ab), Haponik EF; Britt EJ; Smith PL; et al, *Radiology* 1987; 164: 883
- computed tomographic and pathological findings in pulmonary alveolar microlithiasis, Chalmers AC; Wyatt J; Robinson PJ, *Br J Radiol* 1986; 59: 408
- computed tomographic lung density in children, Vock P; Malanowski D; Tschaeppeler H; et al, *Invest Radiol* 1987; 22: 627
- computed tomography findings in disseminated paragonimiasis, Singcharoen T; Rawd-Aree F; Baddeley H, *Br J Radiol* 1988; 61: 83
- computed tomography in diffuse lung disease: improving the image, Strickland B; Brennan J; Denison DM, *Clin Radiol* 1986; 37: 335
- computed tomography in interstitial lung disease, Paltiel HJ; Azouz EM; Esseltine DW; et al, *CT* 1986; 10: 349
- computed tomography in opportunistic lung infections, Hartelius H, *Acta Radiol* 1988; 29: 171
- computed tomography of combined right upper and middle lobe collapse, Saterfiel JL; Virapongse C; Clore FC, *JCAT* 1988; 12: 383
- computed tomography of pulmonary endometriosis, Hertzianu Y; Heimer D; Hirsch M, *Comput Radiol* 1987; 11: 81
- computed tomography of pulmonary hydatid disease, Saksouk FA; Fahl MH; Rizk GK, *JCAT* 1986; 10: 226
- computed tomography of traumatic lung cyst: case report, Black WC; Gousse JC; Williamson BRJ; et al, *CT* 1986; 10: 33
- concepts in computed tomography of the thorax, Chasen MH; McCarthy MJ; Gilliland JD; Floyd JL, *Radiographics* 1986; 6: 793
- cross-sectional imaging of silent pulmonary venous anomalies, Greene R; Miller SW, *Radiology* 1986; 159: 279
- CT appearance of localized pulmonary amyloidosis, Ayuso MC; Gilbert R; Bombi JA; et al, *JCAT* 1987; 11: 197
- CT correlation in peripheral right upper lobe collapse, Adler J; Cameron DC, *JCAT* 1988; 12: 510
- CT demonstration of high attenuation pleural-parenchymal lesions due to amiodarone therapy, Kuhlman JE; Scatarige JC; Fishman EK; et al, *JCAT* 1987; 11: 160
- CT demonstration of interlobar fissure calcification due to asbestos exposure, Rockoff SD, *JCAT* 1987; 11: 1066
- CT demonstration of prominent right hilar soft tissue collections, Ashida C; Zerhouni EA; Fishman EK, *JCAT* 1987; 11: 57
- CT demonstration of pulmonary effects of tangential beam radiation, Coscina WF; Arger PH; Mintz MC; et al, *JCAT* 1986; 10: 600
- CT densitometry of pulmonary nodules in a frozen human thorax, Im J-G; Gamsu G; Gordon D; et al, *AJR* 1988; 150: 61
- CT findings in pulmonary paragonimiasis, Singcharoen T; Silprasert W, *JCAT* 1987; 11: 1101
- CT findings in transdiaphragmatic empyema necessitatis due to tuberculosis, Peterson MW; Austin JHM; Yip CK; et al, *JCAT* 1987; 11: 704
- CT in silicosis: correlation with plain films and pulmonary function tests, Bergin CJ; Müller NL; Vedal S; et al, *AJR* 1986; 146: 477
- CT in the evaluation of pleural versus pulmonary disease in children, Cleveland RH; Foglia RP, *Pediatr Radiol* 1988; 18: 14
- CT of interstitial lung disease: diagnostic approach, Bergin CJ; Müller NL, *AJR* 1987; 148: 9
- CT of invasive pulmonary aspergillosis, Kuhlman JE; Fishman EK; Burch PA; et al, *AJR* 1988; 150: 1015
- CT of the pulmonary nodule: cooperative study, Zerhouni EA; Stitik FP; Siegelman SS; Naidich DP; Sagel SS; Proto AV; Muhm JR; Walsh JW; Martinez CR; Heelan RT; Brantly P; Bozeman RE; Disantis DJ; Ettenger N; McCauley D; Aughenbaugh GL; Brown LR; Miller WE; Litt AW; Leo FP; Fishman EK; Khouri NF, *Radiology* 1986; 160: 319
- detection of emphysema with computed tomography: correlation with pulmonary function tests and chest radiography, Sanders C; Nath PH; Bailey WC, *Invest Radiol* 1988; 23: 262

- diffuse panbronchiolitis: evaluation with high-resolution CT, Akira M; Kitatani F; Yong-Sik L; Kita N; Yamamoto S; Higashihara T; Morimoto S; Ikezoe J; Kozuka T, *Radiology* 1988; 168: 433
- double-fissure sign: a motion artifact on thin-section CT scans, Mayo JR; Müller NL; Henkelman RM, *Radiology* 1987; 165: 580
- dynamic incremental computed tomography of the pulmonary hila using a flow-rate injector, Shepard JO; Dedrick CG; Spizarny DL; et al, *JCAT* 1986; 10: 369
- dystrophic calcification in carcinoma of the lung: demonstration by CT, Stewart JG; MacMahon H; Vyborny CJ; et al, *AJR* 1987; 148: 29
- fibrosing alveolitis: CT-pathologic correlation, Müller NL; Miller RR; Webb WR; Evans KG; Ostrow DN, *Radiology* 1986; 160: 585
- fluid within preexisting pulmonary air-spaces: a potential pitfall in the CT differentiation of pleural from parenchymal disease, Zinn WL; Naidich DP; Whelan CA; et al, *JCAT* 1987; 11: 441
- high-resolution computed tomography of the pig lung, Todo G; Herman PG, *Invest Radiol* 1986; 21: 689
- high resolution CT of the lung parenchyma with pathologic correlation, Mezziane MA; Hruban RH; Zerhouni EA; Wheeler PS; Khouri NF; Fishman EK; Hutchins GM; Siegelman SS, *Radiographics* 1988; 8: 27
- high-resolution CT of the lungs: optimal approach, Mayo JR; Webb WR; Gould R; Stein MG; Bass I; Gamsu G; Goldberg HI, *Radiology* 1987; 163: 507
- idiopathic pulmonary fibrosis: CT and pathologic correlation, Müller NL; Staples CA; Miller RR; Vedral S; Thurlbeck WM; Ostrow DN, *Radiology* 1987; 165: 731
- intrathoracic aspergilloma: role of CT in diagnosis and treatment, Roberts CM; Citron KM; Strickland B, *Radiology* 1987; 165: 123
- measurement of lung gas volume and regional density by computed tomography in dogs, Wandtke JC; Hyde RW; Fahey J; et al, *Invest Radiol* 1986; 21: 108
- measurement of pulmonary density by means of x-ray computerized tomography: relation to pulmonary mechanics in normal subjects, (ab), Wollmer P; Albrechtsson U; Brauer K; et al, *Radiology* 1987; 162: 883
- mosaic oligemia simulating pulmonary infiltrates on CT, Martin KW; Sagel SS; Siegel BA, *AJR* 1986; 147: 670
- neofissure after right upper lobectomy: radiographic evaluation, Mahoney MC; Shipley RT, *Radiology* 1988; 166: 721
- normal and diseased isolated lungs: high-resolution CT, Webb WR; Stein MG; Finkbeiner WE; Im J-G; Lynch D; Gamsu G, *Radiology* 1988; 166: 81
- optimization of computed tomography technique to demonstrate the fine structure of the lung, Murata K; Khan A; Rojas KA; et al, *Invest Radiol* 1988; 23: 170
- oxygen-assisted breath-holding in computed tomography, Sadato H; Hatabu H; Takahashi M; et al, *JCAT* 1987; 11: 742
- pulmonary alveolar proteinosis: CT findings, Godwin JD; Müller NL; Takasugi JE, *Radiology* 1988; 169: 609
- pulmonary asbestosis: CT study of subpleural curvilinear shadow, work in progress, Yoshimura H; Hatakeyama M; Otsuji H; Maeda M; Ohishi H; Uchida H; Kasuga H; Katada H; Narita N; Mikami R; Konishi Y, *Radiology* 1986; 158: 653
- pulmonary asbestosis: CT study of subpleural curvilinear shadow, Pilate I; Marcellis S; Timmerman H; Beekman P; Osteaux MJC, *Radiology* 1987; 164: 584
- pulmonary hamartoma: CT findings, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1986; 160: 313
- pulmonary hamartoma: CT findings, Rubinstein I; Hofstein V, *Radiology* 1987; 162: 878
- pulmonary hamartoma: CT findings: reply, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1987; 162: 878
- pulmonary metastatic disease: radiologic-surgical correlation, Peuchot M; Libshitz HL, *Radiology* 1987; 164: 719
- pulmonary metastatic disease: radiologic-surgical correlation, Goodman LR, *Radiology* 1988; 167: 284
- pulmonary metastatic disease: radiologic-surgical correlation: reply, Libshitz HL, *Radiology* 1988; 167: 284
- quantitative assessment of lung damage due to bleomycin using computed tomography, Bellamy EA; Nicholas D; Husband JE, *Br J Radiol* 1987; 60: 1205
- quantitative computed tomography evaluation of benign solitary pulmonary nodules, Fiastro JF; Newell JD, *CT* 1987; 11: 103
- quantitative features in the computed tomography of healthy lungs, (ab), Fromson BH; Denison DM, *Radiology* 1988; 169: 881
- radiologic-pathologic correlation of the CT halo sign in invasive pulmonary aspergillosis, Hruban RH; Mezziane MA; Zerhouni EA; et al, *JCAT* 1987; 11: 534
- right middle lobe collapse following right upper lobectomy, Shipley RT; Mahoney MC, *Radiology* 1988; 166: 725
- right-pneumonectomy syndrome: radiologic findings and CT correlation, Shepard JO; Crillo HC; McCloud TC; Dedrick CG; Spizarny DL, *Radiology* 1986; 161: 661
- sagittal orientation of the anterior minor fissure: radiography and CT, Gross BH; Spizarny DL; Granke DS, *Radiology* 1988; 166: 717
- scimitar syndrome: four new cases examined with CT, Godwin JD; Tarver RD, *Radiology* 1986; 159: 15
- scimitar syndrome: four new cases examined with CT, Felson B, *Radiology* 1987; 162: 581
- scimitar syndrome: four new cases examined with CT: reply, Godwin JD; Tarver RD, *Radiology* 1987; 162: 581
- secondary pulmonary lobule: normal and abnormal CT appearances, Bergin C; Roggli V; Coblenz C; et al, *AJR* 1988; 151: 21
- solitary pulmonary nodule: role of CT, Sagel SS, *AJR* 1986; 147: 26
- solitary pulmonary nodules: CT assessment, Siegelman SS; Khouri NF; Leo FP; Fishman EK; Braverman RM; Zerhouni EA, *Radiology* 1986; 160: 307
- traction bronchiectasis in end-stage pulmonary fibrosis, Westcott JL; Cole SR, *Radiology* 1986; 161: 665
- typical and atypical CT manifestations of pulmonary sarcoidosis, Hamper UM; Fishman EK; Khouri NF; et al, *JCAT* 1986; 10: 928
- use of CT in the examination of asbestosis-exposed persons, McCloud TC, *Radiology* 1988; 169: 862
- usual interstitial pneumonia: correlation of CT with clinical, functional, and radiologic findings, Staples CA; Müller NL; Vedral S; Abboud RT; Ostrow D; Miller RR, *Radiology* 1987; 162: 377
- value of computed tomography for selecting patients with bullous lung disease for surgery, (ab), Morgan MD; Denison DM; Strickland B, *Radiology* 1987; 164: 589
- variable CT appearance of plasma cell granuloma of the lung, Shapiro MP; Gale ME; Carter BL, *JCAT* 1987; 11: 49
- ### Lung, cysts
- antenatal ultrasound diagnosis of cystic adenomatoid malformation of the lung, Fitzgerald EJ; Toi A, *J Canad Assoc Radiol* 1986; 37: 48
- case of the season, Zachar CK, *Semin Roentgenol* 1987; 22: 231
- computed tomography of traumatic lung cyst: case report, Black WC; Guse JC; Williamson BR; et al, *CT* 1986; 10: 33
- congenital cystic adenomatoid malformation of the lung in a young adult, Pulpeiro JR; López I; Sotelo T; et al, *Br J Radiol* 1987; 60: 1128
- continuum of pulmonary developmental anomalies, Panicek DM; Heitzman ER; Randall PA; Groskin SA; Chew FS; Lane EJ Jr; Markarian B, *Radiographics* 1987; 7: 747
- decreasing size of a congenital cystic adenomatoid malformation in utero, Fine C; Adzick NS; Doubilet PM, *J Ultrasound Med* 1988; 7: 405
- pulmonary pneumatocele: pathology and pathogenesis, Quigley MJ; Fraser RS, *AJR* 1988; 150: 1275
- ### Lung, density
- comparison of computed tomographic lung density with haemodynamic data of the pulmonary circulation, Vock P; Salzmann C, *Clin Radiol* 1986; 37: 459
- computed tomographic lung density in children, Vock P; Malanowski D; Tschaeppeler H; et al, *Invest Radiol* 1987; 22: 627
- CT densitometry of pulmonary nodules in a frozen human thorax, Im J-G; Gamsu G; Gordon D; et al, *AJR* 1988; 150: 61
- CT measurement of lung density: the role of patient position and value for total body irradiation, Lagrange JL; Brassard N; Costa A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 941
- effect of changes in inflation and blood volume on regional lung density—PET study: 2, Schuster DP; Marklin GF, *JCAT* 1986; 10: 730
- influence of lung density corrections on treatment planning for primary breast cancer, Fraass BA; Lichter AS; McShan DL; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 179
- measurement of lung density by x-ray computed tomography: relation to lung mechanics in workers exposed to asbestos cement, (ab), Wollmer P; Jakobsson K; Albin M; et al, *Radiology* 1988; 166: 291
- measurement of pulmonary density by means of x-ray computerized tomography: relation to pulmonary mechanics in normal subjects, (ab), Wollmer P; Albrechtsson U; Brauer K; et al, *Radiology* 1987; 162: 883
- mosaic oligemia simulating pulmonary infiltrates on CT, Martin KW; Sagel SS; Siegel BA, *AJR* 1986; 147: 670
- PET measurement of regional lung density: 1, Schuster DP; Marklin GF; Mintum MA; et al, *JCAT* 1986; 10: 723
- ### Lung, diseases
- abnormal gallium scintigraphy in pulmonary alveolar proteinosis (PAP), Yeh SDJ; White DA; Stover-Pepe DE; et al, *Clin Nucl Med* 1987; 12: 294
- allergic bronchopulmonary aspergillosis: natural history and classification of early disease by serologic and roentgenographic studies, (ab), Patterson R; Greenberger PA; Halwig JM; et al, *Radiology* 1986; 161: 282
- asbestos-related pleural and parenchymal fibrosis: detection with high-resolution CT, Aberle DR; Gamsu G; Ray CS; Feuerstein IM, *Radiology* 1988; 166: 729
- bolus contrast medium enhancement for distinguishing pleural from parenchymal lung disease: CT features, Bressler EL; Francis IR; Glazer GM; et al, *JCAT* 1987; 11: 436
- bone scintigraphy in two siblings with pulmonary alveolar microlithiasis, (ab), Garty I; Gailadi N; Flatau E, *Radiology* 1986; 158: 570
- bronchoalveolar mastocytosis in farmer's lung is related to the disease activity, (ab), Björner L; Engström-Laurent A; Lundgren R; et al, *Radiology* 1988; 169: 287
- centrilobular lesions of the lung: demonstration by high-resolution CT and pathologic correlation, Murata K; Itoh H; Todo G; Kanaoka M; Noma S; Itoh T; Furuta M; Asamoto H; Torizuka K, *Radiology* 1986; 161: 641
- chest radiograph in whooping cough, Bellamy EA; Johnston IDA; Wilson AG, *Clin Radiol* 1987; 38: 39
- chronic berylliosis: demonstration by gallium-67 imaging and magnetic resonance imaging, Deseran MW; Colletti PM; Ratto D; et al, *Clin Nucl Med* 1988; 13: 509
- chronic beryllium disease: diagnosis, radiographic findings, and correlation with pulmonary function tests, Aronchick JM; Rossman MD; Miller WT, *Radiology* 1987; 163: 677
- chronic pneumonia in a child with primary ciliary dyskinesia, Westcott JL; Panicek DM; Levinsohn EM; et al, *AJR* 1988; 150: 1123
- computed tomography in diffuse lung disease: improving the image, Strickland B; Brennan J; Denison DM, *Clin Radiol* 1986; 37: 335

- computed tomography in interstitial lung disease, Paltiel HJ; Azouz EM; Esseltine DW; et al, CT 1986; 10: 349
- computed tomography of pulmonary hydatid disease, Sakouk FA; Fahl MH; Rizk GK, JCAT 1986; 10: 226
- course of bronchopulmonary dysplasia: radiographic follow-up, Mortenson W; Lindroth M, Acta Radiol 1986; 27: 19
- CT assessment of silicosis in exposed workers, Begin R; Bergeron D; Samson L; et al, AJR 1987; 148: 509
- CT demonstration of high attenuation pleural-parenchymal lesions due to amiodarone therapy, Kuhlman JE; Scatarige JC; Fishman EK; et al, JCAT 1987; 11: 160
- CT in the evaluation of pleural versus pulmonary disease in children, Cleveland RH; Foglia RP, Pediatr Radiol 1988; 18: 14
- CT of interstitial lung disease: diagnostic approach, Bergin CJ; Müller NL, AJR 1987; 148: 9
- cystic fibrosis in childhood: pulmonary, paranasal sinus, and skeletal manifestations, Amodio JB; Berdon WE; Abramson SJ; et al, Semin Roentgenol 1987; 22: 125
- diagnosis for interstitial lung disease in patients with acquired immunodeficiency syndrome (AIDS): prospective comparison of bronchial washing, alveolar lavage, transbronchial lung biopsy, and open-lung biopsy, (ab), McKenna RJ Jr; Campbell A; McMurrey MJ; et al, Radiology 1986; 160: 571
- diffuse panbronchiolitis: evaluation with high-resolution CT, Akira M; Kitatani F; Yong-Sik L; Kita N; Yamamoto S; Higashihara T; Morimoto S; Ikezoe J; Kozuka T, Radiology 1988; 168: 433
- drug-induced pulmonary disease, part 1: cytotoxic drugs, (ab), Cooper JAD Jr; White DA; Matthay RA, Radiology 1986; 160: 571
- drug-induced pulmonary disease, part 2: noncytotoxic drugs, (ab), Cooper JAD Jr; White DA; Matthay RA, Radiology 1986; 160: 571
- evaluation of pulmonary parenchymal disease by magnetic resonance imaging, Cohen MD; Scales RL; Eigen H; et al, Br J Radiol 1987; 60: 223
- fibrosing alveolitis: CT-pathologic correlation, Müller NL; Miller RR; Webb WR; Evans KG; Ostrow DN, Radiology 1986; 160: 585
- flat chest in chronic bronchopulmonary dysplasia, Edwards DK III; Hilton SwW, AJR 1987; 149: 1213
- fluid within preexisting pulmonary air-spaces: a potential pitfall in the CT differentiation of pleural from parenchymal disease, Zinn WL; Naidich DP; Whelan CA; et al, JCAT 1987; 11: 441
- Hermansky-Pudlak syndrome: radiographic features, Leitman BS; Balhazar EJ; Garay SM; et al, J Canad Assoc Radiol 1986; 37: 42
- hyperimmunoglobulinemia E syndrome: pulmonary imaging considerations, Fitch SJ; Magill HL; Herrod HG; et al, Pediatr Radiol 1986; 16: 285
- idiopathic pulmonary fibrosis: CT and pathologic correlation, Müller NL; Staples CA; Miller RR; Veda S; Thurlbeck WM; Ostrow DN, Radiology 1987; 165: 731
- intrathoracic Kaposi sarcoma in AIDS patients: radiographic-pathologic correlation, Davis SD; Henschke CI; Chames BK; Westcott JL, Radiology 1987; 163: 495
- is chronic lung disease in low birth weight infants preventable? a survey of eight centers, (ab), Avery ME; Tooley WH; Keller JB; et al, Radiology 1987; 164: 295
- kaolinosis: radiological review, (ab), Wells IP; Bhatt RCV; Flanagan M, Radiology 1986; 159: 570
- large lung bullae in sarcoidosis, (ab), Packe GE, Radiology 1987; 163: 838
- lung cancer: differentiation of tumor, necrosis, and atelectasis by means of T1 and T2 values measured in vitro, Shioya S; Haida M; Ono Y; Fukuzaki M; Yamabayashi H, Radiology 1988; 167: 105
- lung lesions: cytologic diagnosis by fine-needle biopsy, Stanley JH; Fish GD; Andriole JC; Gobien RP; Bettill WL; Laden SA; Schabel SI, Radiology 1987; 162: 389
- need for chest roentgenograms in adults with acute respiratory illness: clinical predictors, (ab), Heckerling PS, Radiology 1987; 162: 291
- nonlymphomatous lymphoid disorders of the lung, Glickstein M; Kornstein MJ; Pietra GG; et al, AJR 1986; 147: 227
- normal and diseased isolated lungs: high-resolution CT, Webb WR; Stein MG; Finkbeiner WE; Im J-G; Lynch D; Gamsu G, Radiology 1988; 166: 81
- persistent pulmonary abnormalities in newborns: changing picture of bronchopulmonary dysplasia, Heneghan MA; Sosulski R; Baquero JM, Pediatr Radiol 1986; 16: 180
- platelet sequestration in widespread pulmonary hemangiolymphangiectasia: demonstration by indium-111 labeled platelets, Kim SM; Park CH; Thakur ML, Clin Nucl Med 1987; 12: 215
- poor accumulation of technetium-99m glucoheptanate in sarcoidosis and other diffuse infiltrative lung diseases as compared with gallium-67 citrate, Vorne M; Sahlström K; Alanko K, Clin Nucl Med 1988; 13: 107
- primary pulmonary amyloidosis with multiple nodules, Tamura K; Nakajima N; Makino S; et al, Eur J Radiol 1988; 8: 128
- pulmonary alveolar phospholipoproteinosis: experience with 34 cases and a review, (ab), Prakash UBS; Barham SS; Carpenter HA; et al, Radiology 1987; 165: 295
- pulmonary alveolar proteinosis: CT findings, Godwin JD; Müller NL; Takasugi JE, Radiology 1988; 169: 609
- pulmonary disease caused by *Mycobacterium mageritense*, (ab), Alberts WM; Chandler KW; Solomon DA; et al, Radiology 1988; 166: 585
- pulmonary manifestations of AIDS: review of 106 episodes, Suster B; Akerman M; Orenstein M; Wax MR, Radiology 1986; 161: 87
- pulmonary melioidosis, (ab), Buchet R; Tredaniel J, Radiology 1986; 158: 565
- pulmonary melioidosis: clinical-radiologic correlation in 183 cases in northeastern Thailand, Dhienir T; Puapairoj S; Susaengrat W, Radiology 1988; 166: 711
- pulmonary sarcoidosis following interferon therapy for advanced renal cell carcinoma, (ab), Abdi EA; Nguyen G-K; Ludwig RN; et al, Radiology 1987; 165: 295
- pulmonary sporotrichosis: review of treatment and outcome, (ab), Pluss JL; Opal SM, Radiology 1987; 162: 290
- radiographic manifestations of pulmonary disease in the acquired immunodeficiency syndrome (AIDS), Naidich DP; Garay SM; Leitman BS; et al, Semin Roentgenol 1987; 22: 14
- radiology of immunologic diseases of the lung, Rubin SA, J Thorac Imag 1988; 3-2: 21
- respiratory tract in amyloidosis and the plasma cell dyscrasias, Gross BH; Felson B; Birnberg FA, Semin Roentgenol 1986; 21: 113
- role of imaging and interventional techniques in the diagnosis of respiratory disease in the immunocompromised host, Ognibene FP; Pass HI; Roth JA; et al, J Thorac Imag 1988; 3-2: 1
- significance of isolation of *Aspergillus* from the respiratory tract in diagnosis of invasive pulmonary aspergillosis: results from a three-year prospective study, (ab), Yu VL; Muder RR; Poorsattar A, Radiology 1987; 162: 885
- silicosis in barium miners, (ab), Seaton A; Ruckley VA; Addison J; et al, Radiology 1987; 162: 883
- talc: understanding its manifestations in the chest, Feigin DS, AJR 1986; 146: 295
- typical and atypical CT manifestations of pulmonary sarcoidosis, Hamper UM; Fishman EK; Khouri NF; et al, JCAT 1986; 10: 928
- unusual "cavity-in-cavity" appearance of pulmonary aspergilloma, Chintapalli K; Sheth NK; Goodman LR, CT 1988; 12: 64
- upper lobe lung disease: physiologic correlates, review, Gurney JW; Schroeder BA, Radiology 1988; 167: 359
- usual interstitial pneumonia: correlation of CT with clinical, functional, and radiologic findings, Staples CA; Müller NL; Veda S; Abboud RT; Ostrow D; Miller RR, Radiology 1987; 162: 377
- variable CT appearance of plasma cell granuloma of the lung, Shapiro MF; Gale ME; Carter BL, JCAT 1987; 11: 49
- Lung, edema**
See Lung, fluid
- Lung, effects of drugs on**
amiodarone lung: pathologic findings in clinically toxic patients, (ab), Myers JL; Kennedy JI; Plumb VJ, Radiology 1987; 165: 295
- amiodarone pulmonary toxicity: clinical, radiologic, and pathologic correlations, (ab), Kennedy JI; Myers JL; Plumb VJ; et al, Radiology 1987; 163: 837
- computed tomography: pathologic correlation in lung disease due to tocinide, (ab), Stein MG; Demarco T; Gamsu G; et al, Radiology 1988; 168: 884
- crack lung: pulmonary disease caused by cocaine abuse, (ab), Kissner DG; Lawrence WD; Selis JE; et al, Radiology 1988; 167: 291
- follow-up chest radiographs in Vietnam veterans: are they useful? Pollei SR; Mettler FA Jr; Kelsey CA; Walters MR; White RE, Radiology 1986; 161: 101
- follow-up chest radiographs in Vietnam veterans: are they useful? Winkler SS, Radiology 1987; 163: 583
- follow-up chest radiographs in Vietnam veterans: are they useful? reply, Pollei SR; Mettler FA Jr, Radiology 1987; 163: 583
- gallium scintigraphy in the detection of amiodarone lung toxicity, Moineddin M; Rockett J, AJR 1986; 147: 607
- inapparent pulmonary vascular disease in an ex-heroin user, Incalzi RA; Maini CL; Bonetti MG; et al, Clin Nucl Med 1986; 11: 266
- proton relaxation times in bleomycin-induced lung injury, Taylor CR; Sostman HD; Gore JC; et al, Invest Radiol 1987; 22: 621
- pulmonary complications of cytosine-araboside therapy: radiographic findings, Tham RTOTA; Peters WG; de Bruine FT; et al, AJR 1987; 149: 23
- pulmonary infections in renal transplantation patients treated with cyclosporine, Moore EH; Webb WR; Amend WJC, Radiology 1988; 167: 97
- quantitative assessment of lung damage due to bleomycin using computed tomography, Bellamy EA; Nicholas D; Husband JE, Br J Radiol 1987; 60: 1205
- Lung, effects of irradiation on**
acute radiation-induced pulmonary damage: clinical study on the response to fractionated radiation therapy, Mah K; Van Dyk J; Keane T; et al, Int J Radiat Oncol Biol Phys 1987; 13: 179
- altered turnover and synthesis rates of lung surfactant following thoracic irradiation, Coultas PG; Ahier RG; Anderson RL, Int J Radiat Oncol Biol Phys 1987; 13: 233
- assessment of acute radiation-induced pulmonary changes using computed tomography, Mah K; Poon PY; Van Dyk J; et al, JCAT 1986; 10: 736
- atypical distribution of pneumocystis carinii infiltrates during radiation therapy, Panicek DM; Groskin SA; Chung CT; Heitzman ER; Sagerman RH, Radiology 1987; 163: 689
- changes in lung morphology and cell number in radiation pneumonitis and fibrosis: quantitative ultrastructural study, Vergara JA; Raymond-U; Thet LA, Int J Radiat Oncol Biol Phys 1987; 13: 723
- CT appearance of acute radiation-induced injury in the lung, Ikezoe J; Takashima S; Morimoto S; et al, AJR 1988; 150: 765
- CT demonstration of pulmonary effects of tangential beam radiation, Coscina WF; Arger PH; Mintz MC; et al, JCAT 1986; 10: 600

Lung effects of irradiation on

- diagnostic imaging of post-irradiation changes in the chest, Bell J; McGivern D; Bullimore J; et al, *Clin Radiol* 1988; 39: 109
- functional responses of the pulmonary endothelium to thoracic irradiation in rats: differential modification by D-penicillamine, Ward WF; Molteni A; Ts'ao C-H; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1505
- irradiation damage to the lung, Fennessy JJ, *J Thorac Imag* 1987; 2: 68
- minimal long-term cardiopulmonary dysfunction following treatment for Hodgkin's disease, Watchie J; Coleman CN; Raffin TA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 517
- pathophysiology and roentgenologic effects of chest irradiation in breast carcinoma, Kaufman J; Gunn W; Hartz AJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 887
- quantitative lung scans for prediction of post-radiotherapy pulmonary function, Moldofsky PJ; Rubenstein JH; Richter MP; et al, *Clin Nucl Med* 1988; 13: 644
- radiation-induced lung injuries: a survey by computed tomography and pulmonary function tests in 18 cases of Hodgkin's disease, Frija J; Fermé C; Baud L; et al, *Eur J Radiol* 1988; 8: 18
- radiation pneumonitis and fibrosis following split-course radiation therapy for lung cancer: a radiologic and physiologic study, Mattson K; Holsti LR; Poppius H; et al, *Acta Oncol* 1987; 26: 193
- residual radiation damage in murine lung assessed by pneumonitis, Terry NHA; Tucker SL; Travis EL, *Int J Radiat Oncol Biol Phys* 1988; 14: 929
- unilateral lung hyperplasia after mediastinal irradiation, (ab), Wencil ML; Sitrin RG, *Radiology* 1988; 168: 884
- WR 2721 modification of type II cell and endothelial cell function in mouse lung after single doses of radiation, Travis EL; Newman RA; Helbing SJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1355
- Lung, fibrosis**
- adult respiratory distress syndrome: acute alveolar damage, Greene R, *Radiology* 1987; 163: 57
- central lymph node changes and progressive massive fibrosis in coalworkers, (ab), Seal RME; Cockcroft A; Kung I; et al, *Radiology* 1987; 162: 586
- clinical, radiographic, and physiologic scoring system for the longitudinal assessment of patients with idiopathic pulmonary fibrosis, (ab), Watters LC; King TE; Schwarz MI; et al, *Radiology* 1986; 159: 820
- differentiation of radiation-induced fibrosis from recurrent pulmonary neoplasm by CT, Bourgoin P; Cousineau G; Lemire P; et al, *J Canad Assoc Radiol* 1987; 38: 23
- failure of radiotherapy to reverse progressive pulmonary fibrosis caused by paraquat, Bloodworth LL; Kershaw JB; Stevens PE; et al, *Br J Radiol* 1986; 59: 1037
- fibrosing alveolitis: CT-pathologic correlation, Müller ML; Miller RR; Webb WR; Evans KG; Ostrow DN, *Radiology* 1986; 160: 585
- idiopathic pulmonary fibrosis: another cause of ventilation/perfusion mismatch, Eary JF; Fisher MC; Cerqueira MD, *Clin Nucl Med* 1986; 11: 396
- idiopathic pulmonary fibrosis: CT and pathologic correlation, Müller NL; Staples CA; Miller RR; Vedral S; Thurlbeck WM; Ostrow DN, *Radiology* 1987; 165: 731
- nonproductive cough and lung mass, Abbott PL; Zerlin JM, *Invest Radiol* 1988; 23: 397
- normal and diseased isolated lungs: high-resolution CT, Webb WR; Stein MG; Finkbeiner WE; Im J-G; Lynch D; Gamsu G, *Radiology* 1988; 166: 81
- pulmonary asbestosis: CT study of subpleural curvilinear shadow, work in progress, Yoshimura H; Hatakeyama M; Otsuji H; Maeda M; Ohishi H; Uchida H; Kasuga H; Katada H; Narita N; Mikami R; Konishi Y, *Radiology* 1986; 158: 653
- pulmonary asbestosis: CT study of subpleural curvilinear shadow, Pilate I; Marcellis S; Timmerman H; Beckman P; Osteaux MJC, *Radiology* 1987; 164: 584
- radiation pneumonitis and fibrosis following split-course radiation therapy for lung cancer: a radiologic and physiologic study, Mattson K; Holsti LR; Poppius H; et al, *Acta Oncol* 1987; 26: 193
- Lung, fluid**
- asymmetrical pulmonary oedema due to Swyer-James syndrome, Vanker EA, *Br J Radiol* 1987; 60: 1126
- evaluation of the portable chest roentgenogram for quantitating extravascular lung water in critically ill adults, (ab), Halperin BD; Feeley TW; Mihm FG; et al, *Radiology* 1986; 159: 820
- hospital and long-term survival of patients with acute pulmonary edema associated with coronary artery disease, (ab), Weiner RS; Moses HW; Richeson JF; et al, *Radiology* 1988; 166: 912
- hydrostatic versus increased permeability pulmonary edema: diagnosis based on radiographic criteria in critically ill patients, Aberle DR; Wiener-Kronish JP; Webb WR; Matthay MA, *Radiology* 1988; 168: 73
- increased vascular pedicle width preceding burn-related pulmonary edema, (ab), Haponik EF; Adelman M; Munster AM; et al, *Radiology* 1987; 163: 837
- inflammatory pulmonary edema and positive end-expiratory pressure: correlations between imaging and physiologic studies, Gattinoni L; Pesenti A; Baglioni S; et al, *J Thorac Imag* 1988; 3-3: 59
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Panicek DM; Ewing DK; Markarian B; Heitzman ER, *Radiology* 1987; 162: 165
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Milne ENC; Cyrlak D, *Radiology* 1987; 164: 286
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply, Panicek DM; Heitzman ER; Ewing DK; Markarian B, *Radiology* 1987; 164: 286
- lung clearance of ^{99m}Tc -DTPA in patients with acute lung injury and pulmonary edema, Coates G; O'Brodoich H; Dolovich M, *J Thorac Imag* 1988; 3-3: 21
- measurement of total lung water from nuclear magnetic resonance images, MacLennan FM; Foster MA; Smith FW; et al, *Br J Radiol* 1986; 59: 553
- mechanisms and management of noncardiogenic pulmonary edema following cardiopulmonary bypass, (ab), Maggart M; Stewart S, *Radiology* 1987; 164: 882
- multiple spin echo imaging and quantitative relaxation measurements of pulmonary edema, Phillips DM; Lunt JA; Man SFP; et al, *Magn Res Imag* 1987; 5: 137
- new concepts about the pathophysiology of pulmonary edema, Staub NC, *J Thorac Imag* 1988; 3-3: 8
- noncardiogenic pulmonary edema caused by decompression sickness: rapid resolution following hyperbaric therapy, Zwirowich CV; Müller NL; Abboud RT; Lepawsky M, *Radiology* 1987; 163: 81
- nonfatal pulmonary edema after "freebase" cocaine smoking, (ab), Cucco RA; Yoo OH; Cregler L; et al, *Radiology* 1988; 166: 586
- objective radiographic criteria to differentiate cardiac, renal, and injury lung edema, Miniati M; Pistolesi M; Paoletti P; et al, *Invest Radiol* 1988; 23: 433
- percutaneous drainage of infected and noninfected thoracic fluid collections, Stavas J; vanSonnenberg E; Casola G; et al, *J Thorac Imag* 1987; 2: 80
- pleural effusions associated with hydrostatic and increased permeability pulmonary edema, (ab), Wiener-Kronish JP; Matthay MA, *Radiology* 1988; 169: 586
- positron emission tomography in pulmonary edema, Wollmer P; Rhodes CG, *J Thorac Imag* 1988; 3-3: 44
- pulmonary edema and other acute causes of a butterfly pattern in the postoperative chest, Wells GA, *Semin Roentgenol* 1988; 23: 4
- pulmonary edema: MR study of permeability and hydrostatic types in animals, Schmidt HC; Tsay D-G; Higgins CB, *Radiology* 1986; 158: 297
- pulmonary leukostasis: radiologic-pathologic study, van Buchem MA; Wondergem JH; Schultze Kool LJ; te Velde J; Kluijn PM; Bode PJ; Busscher DLT, *Radiology* 1987; 165: 739
- quantitative assessment of pulmonary edema by nuclear magnetic resonance methods, Cutillo AG; Morris AH; Aillon DC; et al, *J Thorac Imag* 1988; 3-3: 51
- radiographic differentiation between different etiologies of pulmonary edema, Smith RC; Mann H; Greenspan RH; et al, *Invest Radiol* 1987; 22: 859
- reexpansion pulmonary edema, (ab), Mahfood S; Hix WR; Aaron BL; et al, *Radiology* 1988; 169: 586
- regional pulmonary distribution of iodine-125-labeled oleic acid: its relationship to the pattern of oleic acid edema and pulmonary blood flow, Tarver RD; Tsai J; Hedlund LW; et al, *Invest Radiol* 1986; 21: 102
- theoretical and practical considerations of measuring extravascular lung water, Giuntini C; Pistolesi M; Miniati M; et al, *J Thorac Imag* 1988; 3-3: 36
- ultrastructural aspects of pulmonary edema, Bachofen H; Bachofen M; Weibel ER, *J Thorac Imag* 1988; 3-3: 1
- unilateral pulmonary edema due to postlobectomy pulmonary vein thrombosis, Gyves-Ray KM; Spizarny DL; Gross BH, *AJR* 1987; 148: 1079
- unusual ventilation perfusion scintigram in a case of immunologic pulmonary edema clinically simulating pulmonary embolism, Campeau RJ; Faust JM; Ahmad S, *Clin Nucl Med* 1987; 12: 874
- Lung, function**
- association of cystic fibrosis, gastroesophageal reflux, and reduced pulmonary function, Stringer DA; Sprigg A; Juodis E; et al, *J Canad Assoc Radiol* 1988; 39: 100
- lung as a metabolic organ, Touya JJ; Rahimian J; Corbus HF; et al, *Semin Nucl Med* 1986; 16: 296
- regional lung function impairment following post-operative radiotherapy for breast cancer using direct or tangential field techniques, Groth S; Zaric A; Sorenson PB; et al, *Br J Radiol* 1986; 59: 445
- respiratory depression in goats by stable xenon: implications for CT studies, Winkler SS; Nielsen A; Mesina J, *JCAT* 1987; 11: 496
- upper lobe lung disease: physiologic correlates, review, Gurney JW; Schroeder BA, *Radiology* 1988; 167: 359
- Lung, granuloma**
- calcified postinflammatory pseudotumor of the lung: CT features, Kaufman RA, *JCAT* 1988; 12: 653
- fatal systemic arterial air embolism following lung needle aspiration, Aberle DR; Gamsu G; Golden JA, *Radiology* 1987; 165: 351
- Wegener's granulomatosis in North India: radiologic manifestations in eleven patients, Bamberg P; Katariva S; Sakhuja V; et al, *Acta Radiol* 1988; 29: 11
- Lung, hemoptysis**
- See Lung, hemorrhage
- Lung, hemorrhage**
- biological effects of shock waves: lung hemorrhage by shock waves in dogs—pressure dependence, Delius M; Enders G; Heine G; et al, *Ultrasound Med Biol* 1987; 13: 61
- bronchial artery embolization: monitoring with somatosensory evoked potentials, work in progress, Schrodt JF; Becker CJ; Scott JA; Warren CH; Benenati SV, *Radiology* 1987; 164: 135
- computed chest tomography in the evaluation of hemoptysis, (ab), Haponik EF; Britt EJ; Smith PL; et al, *Radiology* 1987; 164: 883
- control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery, Jardin M; Remy J, *Radiology* 1988; 168: 377
- embolization of the systemic arteries of the lung, Pinet F; Clermont A; Michel C; et al, *J Thorac Imag* 1987; 2: 11

- massive hemoptysis: control by embolization of the thorocervical trunk, Moore LB; McWey RE; Vujic I, *Radiology* 1986; 161: 373.
- MR imaging of low signal intensity pulmonary lesions using flow-sensitive techniques, Brown JJ; Gilbert T; Gamsu G; et al, *JCAT* 1988; 12: 560.
- nonbronchial systemic collateral arteries: significance in percutaneous embolotherapy for hemoptysis, Keller FS; Rosch J; Loflin TG; Nath PH; McElvaine RB, *Radiology* 1987; 164: 687.
- nuclear magnetic resonance spectroscopy of acute and evolving pulmonary hemorrhage: an in vitro study, Huber DJ; Kobzik L; Solorzano C; et al, *Invest Radiol* 1987; 22: 632.
- transcatheter embolization in the management of pulmonary hemorrhage, Rabkin JE; Asafiev VI; Gothman LN; Grigorjev YG, *Radiology* 1987; 163: 361.
- transcatheter embolization in the management of pulmonary hemorrhage, Vujic I, *Radiology* 1987; 164: 879.
- Lung, hypoplasia**
- primary (isolated) bilateral pulmonary hypoplasia: a comparative study of radiologic findings and autopsy results, Langer R; Kaufmann HJ, *Pediatr Radiol* 1986; 16: 175.
- Lung, infarction**
- computed tomography of pulmonary thromboembolism and infarction, Chintapalli K; Thorsen MK; Olson DL; et al, *JCAT* 1988; 12: 553.
- radiology of aseptic cavitation in pulmonary infarction, Wilson AG; Joseph AEA; Butland RJA, *Clin Radiol* 1986; 37: 327.
- Lung, infection**
- acquired immunodeficiency syndrome: Ga-67 citrate imaging, Woolfenden JM; Carrasquillo JA; Larson SM; Simmons JT; Masur H; Smith PD; Shelhamer JH; Ognibene FP, *Radiology* 1987; 162: 383.
- acute interstitial pneumonia: a clinicopathologic, ultrastructural, and cell kinetic study, (ab), Katzenstein A-LA; Myers JL; Mazur MT, *Radiology* 1987; 162: 884.
- adenovirus associated with congenital pleural effusion, (ab), Meyer K; Girgis N; McGravey V, *Radiology* 1986; 158: 863.
- association of achalasia and pulmonary mycobacterium fortuitum infection, Aronchick JM; Miller WT; Epstein DM; Geffer WB, *Radiology* 1986; 160: 85.
- atypical distribution of pneumocystis carinii infiltrates during radiation therapy, Panicek DM; Groskin SA; Chung CT; Heitzman ER; Sagerman RH, *Radiology* 1987; 163: 689.
- bacteriology of hospital-acquired pneumonia, (ab), Bartlett JG; O'Keefe P; Tally FP; et al, *Radiology* 1986; 161: 283.
- benign esophagorespiratory fistulas in adults, Vasquez RE; Landay M; Kilman WJ; Estreña A; Schreiber T, *Radiology* 1988; 167: 93.
- bolus contrast medium enhancement for distinguishing pleural from parenchymal lung disease: CT features, Bressler EL; Francis IR; Glazer GM; et al, *JCAT* 1987; 11: 436.
- bronchiolitis obliterans, McLoud TC; Epler GR; Colby TV; Gaensler EA; Carrington CB, *Radiology* 1986; 159: 1.
- bronchiolitis obliterans and usual interstitial pneumonia: a comparative clinicopathologic study, (ab), Katzenstein A-LA; Myers JL; Prophet WD; et al, *Radiology* 1987; 162: 884.
- case of the season, Kinori I, *Semin Roentgenol* 1987; 22: 146.
- chronic eosinophilic pneumonia: a report of 19 cases and a review of the literature, (ab), Jeraldine PJ; Sicilian L; Gaensler EA, *Radiology* 1988; 169: 287.
- chronic pneumonia in a child with primary ciliary dyskinesia, Westcott JL; Panicek DM; Levinsohn EM; et al, *AJR* 1988; 150: 1123.
- community-acquired pneumonia: importance of initial noninvasive bacteriologic and radiographic investigations, (ab), Levy M; Dromer F; Brion N; et al, *Radiology* 1988; 168: 587.
- comparison of narrow section computed tomography and plain chest radiography in chronic allergic bronchopulmonary aspergillosis, Currie DC; Goldman JM; Cole PJ; et al, *Clin Radiol* 1987; 38: 593.
- computed tomography findings in disseminated paragonimiasis, Singcharoen T; Rawd-Aree P; Baddeley H, *Br J Radiol* 1988; 61: 83.
- computed tomography in opportunistic lung infections, Hartelius H, *Acta Radiol* 1988; 29: 171.
- computerized tomography in pneumatoceles after paraffin ingestion, Stones DK; van Niekerk CH; Cilliers C, *Pediatr Radiol* 1987; 17: 443.
- CT findings in pulmonary paragonimiasis, Singcharoen T; Silprasert W, *JCAT* 1987; 11: 1101.
- cyclosporine therapy and refractory *Pneumocystis carinii* pneumonia: a potential association, (ab), Franson TR; Kauffman HM Jr; Adams MB; et al, *Radiology* 1988; 166: 591.
- diagnostic value of lung uptake of indium-111 oxine-labeled white blood cells, Segall GM; McDougall IR, *AJR* 1986; 147: 601.
- differential diagnosis of bronchiolitis obliterans with organizing pneumonia and usual interstitial pneumonia: clinical, functional, and radiologic findings, Müller NL; Guerry-Force ML; Staples CA; Wright JL; Wiggs B; Coppin C; Pare P; Hogg JC, *Radiology* 1987; 162: 151.
- efficacy and complications of transthoracic needle biopsy of lung in patients with *Pneumocystis carinii* pneumonia and AIDS, Batra P; Wallace JM; Överfors C-O, *J Thorac Imag* 1987; 2: 79.
- expanding spectrum of pulmonary disease caused by nontuberculous mycobacteria, Rubinstein I, *Radiology* 1986; 159: 815.
- febrile infants less than 3 months old: value of chest radiography, Heullitt MJ; Ablow RC; Santos CC; O'Shea TM; Hilfer CL, *Radiology* 1988; 167: 135.
- gallium-67 pulmonary uptake in eosinophilic pneumonia, Morais J; Carrier L; Gariépy G; et al, *Clin Nucl Med* 1988; 13: 41.
- hypertrophic osteoarthropathy in a young child with cytomegalovirus pneumonia and the bare lymphocyte syndrome, Taets van Amerongen AHM; Golding RP; Veerman AJF, *Pediatr Radiol* 1986; 16: 257.
- intrathoracic aspergillosis: role of CT in diagnosis and treatment, Roberts CM; Citron KM; Strickland B, *Radiology* 1987; 165: 123.
- iodine-131 uptake in inflammatory lung disease: a potential pitfall in treatment of thyroid carcinoma, Höschl R; Choy DH-L; Gandeia B, *J Nucl Med* 1988; 29: 701.
- mediastinal pseudomass: pneumonia and atelectasis behind the left pulmonary ligament, Malmgren N; Laurin S; Ivancev K; et al, *Pediatr Radiol* 1987; 17: 451.
- miliary pattern in neonatal pneumonia, Flores JAM, *Pediatr Radiol* 1988; 18: 355.
- negative gallium scan in an AIDS patient with *Pneumocystis* pneumonia, Binstock P; Barnett C; McCabe R, *Br J Radiol* 1987; 60: 714.
- nocardiosis of the lung: chest radiographic findings in 21 cases, Feigin DS, *Radiology* 1986; 159: 9.
- nontuberculous mycobacterial infection in AIDS: clinical, pathologic, and radiographic features, Marinelli DL; Albelda SM; Williams TM; Kern JA; Iozzo RV; Miller WT, *Radiology* 1986; 160: 77.
- obliterative bronchiolitis due to *Mycoplasma pneumoniae* infection in a child, Isles AF; Masel J; O'Duffy J, *Pediatr Radiol* 1987; 17: 109.
- obstructive pneumonitis: a pathologic and pathogenetic reappraisal, Burke M; Fraser R, *Radiology* 1988; 166: 699.
- occult pneumonia associated with dehydration: myth or reality, Hall FM; Simon M, *AJR* 1987; 148: 853.
- opportunistic lung infection caused by *rhodococcus (corynebacterium) equi*, MacGregor JH; Samuelson WM; Sane DC; Godwin JD, *Radiology* 1986; 160: 83.
- patchy uptake of gallium in the lungs of AIDS patients with atypical mycobacterial infection, Skarzynski JJ; Sherman W; Lee HK; et al, *Clin Nucl Med* 1987; 12: 507.
- pneumocystis carinii pneumonia presenting as a single pulmonary nodule, Bier S; Halton K; Krivsky B; et al, *Pediatr Radiol* 1986; 16: 59.
- pneumocystis carinii pneumonia presenting as cavitating and noncavitating solitary pulmonary nodules in patients with the acquired immunodeficiency syndrome, (ab), Barrio JL; Suarez M; Rodriguez JL; et al, *Radiology* 1987; 163: 587.
- pneumocystis carinii pneumonia radiographically simulating tuberculosis, (ab), Milligan SA; Stulberg MS; Gamsu G; et al, *Radiology* 1986; 159: 570.
- pneumonia in children and some of its variants, Griscorn NT, *Radiology* 1988; 167: 297.
- pulmonary alveolar proteinosis: CT findings, Godwin JD; Müller NL; Takasugi JE, *Radiology* 1988; 169: 609.
- pulmonary aspergillosis appearing as chronic nodular disease in chronic granulomatous disease, Chusid MJ; Sty JR; Wells RG, *Pediatr Radiol* 1988; 18: 232.
- pulmonary fungal infections after bone marrow transplantation, Allan BT; Patton D; Ramsey NKC; et al, *Pediatr Radiol* 1988; 18: 118.
- pulmonary infections in renal transplantation patients treated with cyclosporine, Moore EH; Webb WR; Amend WJC, *Radiology* 1988; 167: 97.
- pulmonary infection with nontuberculous mycobacteria, (ab), Contreras MA; Cheung OT; Sanders DE; et al, *Radiology* 1988; 168: 292.
- pulmonary manifestations of AIDS: review of 106 episodes, Suster B; Akerman M; Örenstein M; Wax MR, *Radiology* 1986; 161: 87.
- pulmonary melioidosis: clinical-radiologic correlation in 183 cases in northeastern Thailand, Dhienrasi T; Puapairoj S; Susaengrat W, *Radiology* 1988; 166: 711.
- radiographic manifestations of bronchiolitis obliterans with organizing pneumonia vs usual interstitial pneumonia, Chandler FW; Shin MS; Friedman SE; et al, *AJR* 1986; 147: 899.
- radiologic-pathologic correlation of the CT halo sign in invasive pulmonary aspergillosis, Hruban RH; Mezziane MA; Zerhouni EA; et al, *JCAT* 1987; 11: 534.
- risk factors for acquiring pneumococcal infections, (ab), Lipsky BA; Boyko EJ; Inui TS; et al, *Radiology* 1987; 163: 587.
- roentgenographic patterns of pneumocystis carinii pneumonia in 104 patients with AIDS, (ab), DeLorenzo LJ; Huang CT; Maguire GP; et al, *Radiology* 1987; 164: 882.
- tension pneumopericardium: an unusual manifestation of invasive pulmonary aspergillosis, Müller NL; Miller RR; Ostrow DN; et al, *AJR* 1987; 148: 678.
- utility of gallium-67 scintigraphy and bronchial washings in the diagnosis and treatment of *Pneumocystis carinii* pneumonia in patients with the acquired immune deficiency syndrome, (ab), Tuazon CU; Delaney MD; Simon GL; et al, *Radiology* 1986; 159: 569.
- value of bronchoalveolar lavage in the diagnosis of pulmonary infection in acquired immune deficiency syndrome, (ab), Örenstein M; Webber CA; Cash M; et al, *Radiology* 1987; 162: 290.
- viral vs bacterial pulmonary infections in children (is roentgenographic differentiation possible?), Swischuk LE; Hayden CK Jr, *Pediatr Radiol* 1986; 16: 278.
- Lung, injuries**
- classification of parenchymal injuries of the lung, Wagner RB; Crawford WO Jr; Schimpf PP, *Radiology* 1988; 167: 77.
- complications due to inadvertent tracheobronchial placement of feeding tubes, Ghahremani GG, *Radiology* 1988; 167: 875.
- complications due to inadvertent tracheobronchial placement of feeding tubes: reply, Woodall BH; Winfield DF; Bisset GS III, *Radiology* 1988; 167: 876.
- complications due to inadvertent tracheobronchial placement of feeding tubes: reply, Wheeler PS, *Radiology* 1988; 167: 877.
- demonstration of pulmonary barotrauma on lung imaging, Szaez JJ; Lepawsky M, *Clin Nucl Med* 1986; 11: 371.
- feeding tubes that pierce the lung: a case study in risk prevention and quality assurance, Wheeler PS, *Radiology* 1987; 165: 861.
- inadvertent pulmonary placement of feeding tubes, Gelfand DW; Ott DJ, *Radiology* 1988; 167: 283.

Lung, injuries

- inadvertent tracheobronchial placement of feeding tubes, Woodall BH; Winfield DF; Bisset CS III, *Radiology* 1987; 163: 727
- inadvertent tracheobronchial placement of feeding tubes, Miller WT, *Radiology* 1988; 167: 875
- inadvertent tracheobronchial placement of feeding tubes, Zeiss J; Woldenberg LS, *Radiology* 1988; 169: 874
- lung alterations in thoracic trauma, Greene R J, *Thorax Imag* 1987; 2: 1
- lung torsion: case report and literature review, Moser ES Jr; Proto AV, *Radiology* 1987; 162: 639
- lung torsion: radiographic findings in nine cases, Felson B, *Radiology* 1987; 162: 631
- plain chest radiograph after acute smoke inhalation, Lee MJ; O'Connell DJ, *Clin Radiol* 1988; 39: 33
- rupture of the tracheobronchial tree, (ab), Roxburgh JC, *Radiology* 1988; 167: 291

Lung, lavage

- bronchoalveolar lavage: radiographic manifestations, Gurney JW; Harrison WC; Sears K; Robbins RA; Dobry CA; Rennard SI, *Radiology* 1987; 163: 71
- bronchopulmonary lavage in pulmonary alveolar proteinosis: chest radiograph observations, Gale ME; Karlinsky JB; Robins AG, *AJR* 1986; 146: 981

Lung, MR studies

- chronic berylliosis: demonstration by gallium-67 imaging and magnetic resonance imaging, Deseran MW; Colletti PM; Ratto D; et al, *Clin Nucl Med* 1988; 13: 509
- congenital anomalies of the lungs in adults: MR diagnosis, Naidich DP; Rumanick WM; Ettenger NA; et al, *AJR* 1988; 151: 13
- detection of pulmonary emboli by magnetic resonance imaging: evaluation of imaging parameters, Pope CF; Sostman D; Carbo P; et al, *Invest Radiol* 1987; 22: 937
- differentiation of parenchymal lung disorders with in vitro proton nuclear magnetic resonance, Vinitski S; Pearson MG; Karlik SJ; et al, *Magn Res Med* 1986; 3: 120
- differentiation of proximal bronchogenic carcinoma from postobstructive lobar collapse by magnetic resonance imaging: comparison with computed tomography, Tobler J; Levitt RG; Glazer HS; et al, *Invest Radiol* 1987; 22: 538
- evaluation of pulmonary parenchymal disease by magnetic resonance imaging, Cohen MD; Scales RL; Eigen H; et al, *Br J Radiol* 1987; 60: 223
- intralobar pulmonary sequestration: MR evaluation, Naidich DP; Rumanick WM; Lefleur RS; et al, *JCAT* 1987; 11: 531
- lung cancer: differentiation of tumor, necrosis, and atelectasis by means of T1 and T2 values measured in vitro, Shioya S; Haida M; Ono Y; Fukuzaki M; Yamabayashi H, *Radiology* 1988; 167: 105
- magnetic resonance imaging to diagnose intralobar pulmonary sequestration, (ab), Oliphant L; McFadden RG; Carr TJ; et al, *Radiology* 1988; 166: 292
- magnetic resonance of the pulmonary parenchyma: initial experience at 0.6 tesla, O'Donovan PB; Ross JS, *Cardiovasc Intervent Radiol* 1986; 8: 300
- measurement of total lung water from nuclear magnetic resonance images, MacLennan FM; Foster MA; Smith FW; et al, *Br J Radiol* 1986; 59: 553
- MR evaluation of pulmonary interstitial and intravascular fluids, Podgorski GT; Carroll FE; Parker RE, *Invest Radiol* 1986; 21: 478
- MRI demonstration of pulmonary sequestration, Pessar ML; Soulen RL; Kan JS; et al, *Pediatr Radiol* 1988; 18: 229
- MRI findings in pulmonary sarcoidosis, Craig DA; Colletti PM; Ratto D; et al, *Magn Res Imag* 1988; 6: 567
- MR imaging of low signal intensity pulmonary lesions using flow-sensitive techniques, Brown JJ; Gilbert T; Gamsu G; et al, *JCAT* 1988; 12: 560
- MR imaging of the lung using liquid perfluorocarbons, Thomas SR; Clark LC Jr; Ackerman JL; et al, *JCAT* 1986; 10: 1
- MRI of pulmonary airspace disease: experimental model and preliminary clinical results, Moore EH; Webb WR; Müller NL; et al, *AJR* 1986; 146: 1123

- multiple spin echo imaging and quantitative relaxation measurements of pulmonary edema, Phillips DM; Lunt JA; Man SFP; et al, *Magn Res Imag* 1987; 5: 137
- nuclear magnetic resonance spectroscopy of acute and evolving pulmonary hemorrhage: an in vitro study, Huber DJ; Kobzik L; Solorzano C; et al, *Invest Radiol* 1987; 22: 632
- preliminary study of MRI quantification of simulated calcified pulmonary nodules, Gamsu G; de Geer G; Cann C; et al, *Invest Radiol* 1987; 22: 853
- primary lung cancer staging: prospective comparative study of MR imaging with CT, Musset D; Grenier P; Carette MF; Frija G; Hauuy MP; Desblends MT; Girard P; Bigot JM; Lallemand D, *Radiology* 1986; 160: 607
- proton relaxation times in bleomycin-induced lung injury, Taylor CR; Sostman HD; Gore JC; et al, *Invest Radiol* 1987; 22: 621
- pulmonary edema: MR study of permeability and hydrostatic types in animals, Schmidt HC; Tsay D-G; Higgins CB, *Radiology* 1986; 158: 297
- quantitative assessment of pulmonary edema by nuclear magnetic resonance methods, Cutillo AG; Morris AH; Ailion DC; et al, *J Thorax Imag* 1988; 3-3: 51
- water proton NMR relaxation mechanisms in lung tissue, Kveder M; Zupancic I; Lahajnar G; et al, *Magn Res Med* 1988; 7: 432

Lung, mycosis

- pulmonary aspergillosis: unusual radiographic appearance, Sider L; Davis T, *Radiology* 1987; 162: 657

Lung, neoplasms

- See Lung neoplasms

Lung, nodule

- advanced multiple-beam equalization radiography in chest radiology: a simulated nodule detection study, Schultze Kool LJ; Busscher DLT; Vlasbloem H; Hermans J; Merwe PCvd; Algra PR; Herstel W, *Radiology* 1988; 169: 35
- clinical-radiologic-pathologic conference: a family with lung nodules discovered by radiographic survey, McElvaney G; Müller NL; Pittman RG; et al, *J Canad Assoc Radiol* 1988; 39: 17
- computed radiographic evaluation of simulated pulmonary nodules: preliminary results, Newell JD; Seeley G; Hagaman RM; et al, *Invest Radiol* 1988; 23: 267
- effects of improved contrast on lung-nodule detection: a clinical ROC study, Sorenson JA; Mitchell CR; Armstrong JD II; et al, *Invest Radiol* 1987; 22: 772
- improved pulmonary nodule detection with scanning equalization radiography, Wandtke JC; Plewes DB; McPaul JA, *Radiology* 1988; 169: 23
- preliminary study of MRI quantification of simulated calcified pulmonary nodules, Gamsu G; de Geer G; Cann C; et al, *Invest Radiol* 1987; 22: 853
- pulmonary nodule, Zerhouni EA; Caskey C; Khouri NF, *Semin US CT MR* 1988; 9: 67
- pulmonary nodule simulated on the lateral chest radiograph by branches of the aortic arch, Cáceres J; Mata J; Rams A; et al, *AJR* 1988; 151: 465
- solitary pulmonary opacities: plain tomography, Huston J III; Muhm JR, *Radiology* 1987; 163: 481

Lung, perfusion

- acute unilateral pulmonary nonventilation due to mucous plugs, Pham DH; Huang D; Korwan A; Greyson ND, *Radiology* 1987; 165: 135
- angiographic evaluation of patients with unilateral massive perfusion defects in the lung scan, Cho S-R; Tisnado J; Cockrell CH; Beachley MC; Frarkin MJ; Henry DA, *Radiographics* 1987; 7: 729
- attenuation defects caused by prominent clavicles and first ribs in perfusion lung imaging, Lee HK; Skarzynski J, *Clin Nucl Med* 1988; 13: 545
- demonstration of tumor microembolism by lung perfusion imaging, Davis PS; Intenzo CM; Cohn JR; et al, *Clin Nucl Med* 1988; 13: 543

- diagnostic value of ventilation-perfusion lung scanning in patients with suspected pulmonary embolism, (ab), Hull RD; Hirsh J; Carter CJ; et al, *Radiology* 1986; 159: 820
- diffusing capacity is not measurably affected by routine lung perfusion scanning, Morris TA; Thompson BT; Quinn DA; et al, *J Nucl Med* 1988; 29: 1268
- hepatic activity on perfusion lung images, Richards-Carty C; Mishkin FS, *Semin Nucl Med* 1987; 17: 85
- idiopathic pulmonary fibrosis: another cause of ventilation/perfusion mismatch, Eary JF; Fisher MC; Cerqueira MD, *Clin Nucl Med* 1986; 11: 396
- indeterminate lung imaging: can the number be reduced?, Davis RB; Schauwecker DS; Siddiqui AR; et al, *Clin Nucl Med* 1986; 11: 577
- perfusion scan findings understate the severity of angiographic and hemodynamic compromise in chronic thromboembolic pulmonary hypertension, (ab), Ryan KL; Fedullo PF; Davis GB; et al, *Radiology* 1988; 169: 881
- pleural effusion causing unmatched ventilation defects in ventilation and perfusion scanning, Goddard P; Henson J; Davies ER, *Clin Radiol* 1986; 37: 285
- pulmonary arterial hypertension: value of perfusion scintigraphy, Powe JE; Palevsky HI; McCarthy KE; Alavi A, *Radiology* 1987; 164: 72
- pulmonary perfusion after rt-PA therapy for acute embolism: early improvement assessed with segmental perfusion scanning, Parker JA; Markis JE; Palla A; Goldhaber SZ; Royal HD; Tumei S; Kim D; Rustgi AK; Holman BL; Kolodny GM; Braunwald E, *Radiology* 1988; 166: 441
- pulmonary scintigraphy in surgically corrected congenital heart disease, Palestro C; Fineman D; Goldsmith SJ, *Clin Nucl Med* 1987; 12: 967
- regional lung perfusion and ventilation with radioisotopes in cervical cord-injured patients, Hiraizumi Y; Fujimaki E; Hishida T; et al, *Clin Nucl Med* 1986; 11: 352
- significance of single ventilation/perfusion mismatches in krypton-81m/technetium-99m lung scintigraphy, Rosen JM; Palestro CJ; Markowitz D; et al, *J Nucl Med* 1986; 27: 361

- stripe sign in pulmonary perfusion scintigraphy: central pattern of pulmonary emphysema, work in progress, Murata K; Itoh H; Senda M; Noma S; Togo G; Yonekura Y; Nishimura K; Izumi T; Oshima S; Torizuka K, *Radiology* 1986; 160: 337
- upper lobe lung disease: physiologic correlates, review, Gurney JW; Schroeder BA, *Radiology* 1988; 167: 359
- ventilation/perfusion mismatch of one lung in a patient with Takayasu's arteritis, Suzuki Y, *Clin Nucl Med* 1986; 11: 733
- ventilation-perfusion scan in the acutely ill patient with unilateral hyperlucent lung, Miller MB; Caride VJ, *J Nucl Med* 1988; 29: 114
- ventilation-perfusion scintigraphy in suspected pulmonary embolism: correlation with pulmonary angiography and refinement of criteria for interpretation, Spies WG; Burstein SP; Dillehay CL; Vogelzang RL; Spies SM, *Radiology* 1986; 159: 383

Lung, postoperative

- lung torsion: case report and literature review, Moser ES Jr; Proto AV, *Radiology* 1987; 162: 639
- lung torsion: radiographic findings in nine cases, Felson B, *Radiology* 1987; 162: 631
- neofissure after right upper lobectomy: radiographic evaluation, Mahoney MC; Shipley RT, *Radiology* 1988; 166: 721
- right middle lobe collapse following right upper lobectomy, Shipley RT; Mahoney MC, *Radiology* 1988; 166: 725

Lung, radiography

- advanced multiple-beam equalization radiography in chest radiology: a simulated nodule detection study, Schultze Kool LJ; Busscher DLT; Vlasbloem H; Hermans J; Merwe PCvd; Algra PR; Herstel W, *Radiology* 1988; 169: 35

- air in the minor fissure: sign of right-sided pneumothorax, Spitznagel DL; Goodman LR, *Radiology* 1986; 160: 329
- bronchoalveolar lavage: radiographic manifestations, Gurney JW; Harrison WC; Sears K; Robbins RA; Dobry CA; Rennard SI, *Radiology* 1987; 163: 71
- chronic beryllium disease: diagnosis, radiographic findings, and correlation with pulmonary function tests, Aronchick JM; Rossman MD; Miller WT, *Radiology* 1987; 163: 677
- comparison of narrow section computed tomography and plain chest radiography in chronic allergic bronchopulmonary aspergillosis, Currie DC; Goldman JM; Cole PJ; et al, *Clin Radiol* 1987; 38: 593
- computerized search of chest radiographs for nodules, Lampert WA; Wandtke JC, *Invest Radiol* 1986; 21: 384
- differential diagnosis of bronchiolitis obliterans with organizing pneumonia and usual interstitial pneumonia: clinical, functional, and radiologic findings, Müller NL; Guerry-Force ML; Staples CA; Wright JL; Wiggins B; Coppin C; Pare P; Hogg JC, *Radiology* 1987; 162: 151
- differentiation of benign from malignant pulmonary nodules with digitized chest radiographs, Sherrier RH; Chiles C; Johnson GA; Rabin CE, *Radiology* 1987; 162: 645
- diffuse pulmonary opacification in infants undergoing extracorporeal membrane oxygenation: clinical and pathologic correlation, Taylor GA; Lotze A; Kapur S; Short BL, *Radiology* 1986; 161: 347
- dyskinetic cilia syndrome: clinical, radiographic and scintigraphic findings, Reyes de la Rocha S; Pysher TJ; Leonard JC, *Pediatr Radiol* 1987; 17: 97
- effects of improved contrast on lung-nodule detection: a clinical ROC study, Sorenson JA; Mitchell CR; Armstrong JD II; et al, *Invest Radiol* 1987; 22: 772
- evaluation of the portable chest roentgenogram for quantitating extravascular lung water in critically ill adults, (ab), Halperin BD; Feeley TW; Mihm FG; et al, *Radiology* 1986; 159: 820
- follow-up chest radiographs in Vietnam veterans: are they useful?, Pollei SR; Mettler FA Jr; Kelsey CA; Walters MR; White RE, *Radiology* 1986; 161: 101
- follow-up chest radiographs in Vietnam veterans: are they useful?, reply, Pollei SR; Mettler FA Jr, *Radiology* 1987; 163: 583
- follow-up chest radiographs in Vietnam veterans: are they useful?, Pollei SR; Mettler FA Jr, *Radiology* 1987; 163: 583
- illusory consolidation of the left lower lobe: a pitfall of portable radiography, Zylak JC; Littleton JT; Durizch ML, *Radiology* 1988; 167: 653
- improved pulmonary nodule detection with scanning equalization radiography, Wandtke JC; Plewes DB; McFaul JA, *Radiology* 1988; 169: 23
- increased vascular pedicle width preceding burn-related pulmonary edema, (ab), Haponik EF; Adelman M; Munster AM; et al, *Radiology* 1987; 163: 837
- low-dose flying spot digital radiography of the chest: sensitivity studies, Kushner DC; Cleveland RH; Herman TE; McCloud TC; Waltman AC; Shepard JO; Dedrick CG; Kopans DB; Greene RE, *Radiology* 1987; 163: 685
- need for chest roentgenograms in adults with acute respiratory illness: clinical predictors, (ab), Heckerling PS, *Radiology* 1987; 162: 291
- nocardiosis of the lung: chest radiographic findings in 21 cases, Feigin DS, *Radiology* 1986; 159: 9
- plain chest radiograph after acute smoke inhalation, Lee MJ; O'Connell DJ, *Clin Radiol* 1988; 39: 33
- plain radiography and computed tomography in the staging of bronchogenic carcinoma: a practical approach, Webb WR, *J Thorac Imag* 1987; 2: 57
- pulmonary aspergillosis: unusual radiographic appearance, Sider L; Davis T, *Radiology* 1987; 162: 657
- pulmonary manifestations of AIDS: review of 106 episodes, Suster B; Akerman M; Orenstein M; Wax MR, *Radiology* 1986; 161: 87
- subtle lung cancers: impact of edge enhancement and gray scale reversal on detection with digitized chest radiographs, Oestmann JW; Kushner DC; Bourgoin PM; Llewellyn HJ; Mockbee BW; Greene R, *Radiology* 1988; 167: 657
- traction bronchiectasis in end-stage pulmonary fibrosis, Westcott JL; Cole SR, *Radiology* 1986; 161: 665
- ### Lung, radionuclide studies
- abnormal gallium scintigraphy in pulmonary alveolar proteinosis (PAP), Yeh SDJ; White DA; Stover-Pepe DE; et al, *Clin Nucl Med* 1987; 12: 294
- abnormal lung and liver uptake of gallium-67 and technetium-99m MDP in hypercalcemia of lymphoma with metastatic pulmonary calcification, Sullivan WT; Orzel JA; Reed KD; et al, *Clin Nucl Med* 1986; 11: 545
- acute unilateral pulmonary nonventilation due to mucous plugs, Pham DH; Huang D; Korwan A; Greyson ND, *Radiology* 1987; 165: 135
- aerosol lung scintigraphy in the detection of bronchiectasis, Ashford NS; Buxton-Thomas MS; Flower CDR; et al, *Clin Radiol* 1988; 39: 29
- chronic berylliosis: demonstration by gallium-67 imaging and magnetic resonance imaging, Deseran MW; Colletti PM; Ratto D; et al, *Clin Nucl Med* 1988; 13: 509
- clinical experience with technetium-99m DTPA aerosol with perfusion scintigraphy in suspected pulmonary embolism, Selby JB; Gardner JJ, *Clin Nucl Med* 1987; 12: 1
- clinical outcomes of patients with suspected pulmonary embolism and low-probability aerosol-perfusion scintigrams, Smith R; Maher JM; Miller RI; Alderson PO, *Radiology* 1987; 164: 731
- correlates of lung/heart ratio of thallium-201 in coronary artery disease, Homma S; Kaul S; Boucher CA, *J Nucl Med* 1987; 28: 1531
- demonstration of pulmonary barotrauma on lung imaging, Szasz JJ; Lepawsky M, *Clin Nucl Med* 1986; 11: 371
- diffuse lung uptake of technetium-99m sulfur colloid associated with fatty liver disease of pregnancy, Blend MJ; Dondalski M, *Clin Nucl Med* 1987; 12: 287
- direct quantitation of thoracic gallium-67 uptake in sarcoidosis, Bourguet P; Delaval P; Herry JV, *J Nucl Med* 1986; 27: 1550
- dyskinetic cilia syndrome: clinical, radiographic and scintigraphic findings, Reyes de la Rocha S; Pysher TJ; Leonard JC, *Pediatr Radiol* 1987; 17: 97
- evaluation of [iodine-125] N,N,N'-trimethyl-N'-[2-hydroxy-3-methyl-5-iodobenzyl]-1,3-propanediamine lung uptake using an isolated-perfused lung model, Slossman DO; Brill AB; Polla BS; et al, *J Nucl Med* 1987; 28: 283
- evaluation of the lung uptake of iodine-131 HIPDM by the single-pass multiple indicator dilution technique in a rabbit model, Abrams DN; Man SFP; Noujaim AA, *J Nucl Med* 1987; 28: 487
- exclusion of pneumothorax by radionuclide lung scan, Weiss PE, *Clin Nucl Med* 1986; 11: 303
- exercise increases the lung clearance of inhaled technetium-99m DTPA, Meignan M; Rosso J; Leveau J; et al, *J Nucl Med* 1986; 27: 274
- extrapulmonary localization of gallium in sarcoidosis, Kohatgi PK; Singh R; Vieras F, *Clin Nucl Med* 1987; 12: 9
- extrapulmonary radioactivity in lung permeability measurements, Coates G; O'Brodoich H, *J Nucl Med* 1987; 28: 903
- false-positive gallium uptake in the lungs secondary to small bowel hernia, Tiu S, *Clin Nucl Med* 1987; 12: 764
- false-positive iodine-131 whole body scan due to pectus excavatum, Muherji S; Ziessman HA; Earll JM; et al, *Clin Nucl Med* 1988; 13: 207
- gallium-67 lung index computerization in interstitial pneumonitis, Specht HD; Brown PH; Haines JE; et al, *J Nucl Med* 1987; 28: 1826
- gallium-67 pulmonary uptake in eosinophilic pneumonia, Morais J; Carrier L; Gariépy G; et al, *Clin Nucl Med* 1988; 13: 41
- gallium-67 uptake in the lung of asbestos exposed sheep: early association with enhanced macrophage-derived fibronectin accumulation, Begin R; Bissin G; Lambert R; et al, *J Nucl Med* 1986; 27: 538
- gallium scanning and tomography in the preoperative evaluation of lung cancer, (ab), Santiago S; Houston D; Ezer J; et al, *Radiology* 1987; 162: 291
- gallium scintigraphy in the detection of amiodarone lung toxicity, Moinuddin M; Rockett J, *AJR* 1986; 147: 607
- hepatic activity on perfusion lung images, Richards-Carty C; Mishkin FS, *Semin Nucl Med* 1987; 17: 85
- ilioporal shunt during a venogram/lung scan, LaManna MM; Parker JA, *Clin Nucl Med* 1986; 11: 875
- iodine-131 uptake in inflammatory lung disease: a potential pitfall in treatment of thyroid carcinoma, Höschl R; Choy DH-L; Gandevia B, *J Nucl Med* 1988; 29: 701
- lung as a metabolic organ, Touya JJ; Rahimian J; Corbus HF; et al, *Semin Nucl Med* 1986; 16: 296
- lung clearance of ^{99m}Tc-DTPA in patients with acute lung injury and pulmonary edema, Coates G; O'Brodoich H; Dolovich M, *J Thorac Imag* 1988; 3-3: 21
- lung scan in a cardiac patient with Glenn anastomosis, Tiu S; Friedman DM; Klein B; et al, *Clin Nucl Med* 1987; 12: 567
- lung ventilation studies with technetium-99m pseudogas, Burch WM; Sullivan PJ; Lomas FE; et al, *J Nucl Med* 1986; 27: 842
- measurement of pulmonary epithelial permeability with ^{99m}Tc-DTPA aerosol, Coates G; O'Brodoich H, *Semin Nucl Med* 1986; 16: 275
- measurements of pulmonary vascular permeability with PET and gallium-68 transferrin, Mintun MA; Dennis DR; Welch MJ; et al, *J Nucl Med* 1987; 28: 1704
- monitoring pulmonary vascular permeability using radiolabeled transferrin, Basran GS; Hardy JG, *J Thorac Imag* 1988; 3-3: 28
- negative gallium scan in an AIDS patient with *Pneumocystis pneumonia*, Binstock P; Barnett C; McCabe R, *Br J Radiol* 1987; 60: 714
- patchy uptake of gallium in the lungs of AIDS patients with atypical mycobacterial infection, Skarzynski JJ; Sherman W; Lee HK; et al, *Clin Nucl Med* 1987; 12: 507
- platelet sequestration in widespread pulmonary hemangiolymphangectasia: demonstration by indium-111 labeled platelets, Kim SM; Park CH; Thakur ML, *Clin Nucl Med* 1987; 12: 215
- poor accumulation of technetium-99m glucoheptonate in sarcoidosis and other diffuse infiltrative lung diseases as compared with gallium-67 citrate, Vorne M; Sahlström C; Alanko K, *Clin Nucl Med* 1988; 13: 107
- positron emission tomography in pulmonary edema, Wollmer P; Rhodes CG, *J Thorac Imag* 1988; 3-3: 44
- postpneumonectomy bronchopleural fistula imaged by ventilation lung scanning, Moore D; Ehrlich L; Martin RH, *Clin Nucl Med* 1987; 12: 337
- primary pulmonary hypertension: radiographic and scintigraphic patterns of histologic subtypes, (ab), Rich S; Pietra GG; Kieras K; et al, *Radiology* 1987; 163: 587
- pulmonary arterial hypertension: value of perfusion scintigraphy, Powe JE; Palevsky HJ; McCarthy KE; Alavi A, *Radiology* 1987; 164: 727
- pulmonary embolism and lung scanning: cost-effectiveness and benefit-risk, Specker BL; Saenger EL; Buncher CR; et al, *J Nucl Med* 1987; 28: 1521
- pulmonary embolism: diagnosis with multiple imaging modalities, Alderson PO; Martin EC, *Radiology* 1987; 164: 297
- pulmonary perfusion after rt-PA therapy for acute embolism: early improvement assessed with segmental perfusion scanning, Parker JA; Marks JE; Palla A; Goldhaber SZ; Royal HD; Tumes S; Kim D; Rustgi AK; Holman BL; Kolodny GM; Braunwald E, *Radiology* 1988; 166: 441

Lung, radionuclide studies

- pulmonary scintigraphy in surgically corrected congenital heart disease, Palestro C; Fineman D; Goldsmith SJ, *Clin Nucl Med* 1987; 12: 967
- pulmonary scintigraphy in talc granulomatosis, Yussen PS; LaManna MM, *Clin Nucl Med* 1987; 12: 949
- quantitation of right-to-left shunt ratio in patients with pulmonary teleangiectasia by technetium-99m MAA lung perfusion imaging, Suzuki Y, *Clin Nucl Med* 1986; 11: 84
- quantitative gallium 67 lung scan to assess the inflammatory activity in the pneumoconioses, Bisson G; Lamoureux G; Begin R, *Semin Nucl Med* 1987; 17: 72
- quantitative lung scans for prediction of post-radiotherapy pulmonary function, Moldofsky PJ; Rubenstein JH; Richter MP; et al, *Clin Nucl Med* 1988; 13: 644
- radiographic parenchymal opacity, matching perfusion defect, and normal ventilation: sign of pulmonary embolism? work in progress, Strauss EB; Sostman HD; Gottschalk A, *Radiology* 1987; 163: 505
- radionuclide demonstration of systemic arterial supply to the lung in Takayasu's arteritis, Hardoff R; Halon D; Front A, *Clin Nucl Med* 1987; 12: 479
- rib artifact demonstrated on xenon-133 lung imaging, Burke TS; Tatum JL; Fratkan MJ, *Clin Nucl Med* 1987; 12: 147
- role of chest radiography in predicting the extent of airway disease in patients with suspected pulmonary embolism, Smith R; Ellis K; Alderson PO, *Radiology* 1986; 159: 391
- scintigraphic monitoring of mucociliary tracheo-bronchial clearance of technetium-99m macroaggregated albumin aerosol, Zwas ST; Katz I; Belfer B; et al, *J Nucl Med* 1987; 28: 161
- significance of single ventilation/perfusion mismatches in krypton-81m/technetium-99m lung scintigraphy, Rosen JM; Palestro CJ; Markowitz D; et al, *J Nucl Med* 1986; 27: 361
- stripe sign in pulmonary perfusion scintigraphy: central pattern of pulmonary emphysema, work in progress, Murata K; Itoh H; Senda M; Noma S; Todo G; Yonekura Y; Nishimura K; Izumi T; Oshima S; Torizuka K, *Radiology* 1986; 160: 337
- time-based multiple organ functional images, Freeman ML; Kaplan E, *Semin Nucl Med* 1987; 17: 39
- unexplained technetium-99m DTPA uptake by lung, Wilson FMA; Smith FW, *Clin Nucl Med* 1987; 12: 487
- utilization of lung scans by clinicians, Frankel N; Coleman RE; Pryor DB; et al, *J Nucl Med* 1986; 27: 366
- value of gallium-67 scanning in pulmonary tuberculosis, (ab), Walsh TJ; Bekerman C; Chausow A; et al, *Radiology* 1986; 158: 857
- ventilation imaging with positron emission tomography and nitrogen 13, Murata K; Itoh H; Senda M; Todo G; Yonekura Y; Torizuka K, *Radiology* 1986; 158: 303
- ventilation-perfusion scintigraphy in suspected pulmonary embolism: correlation with pulmonary angiography and refinement of criteria for interpretation, Spies WG; Burstein SP; Dillehay GL; Vogelzang RL; Spies SM, *Radiology* 1986; 159: 383
- ventilation scintigraphy with submicronic radioaerosol as an adjunct in the diagnosis of congenital lobar emphysema, Loewy J; O'Brodoich H; Coates C, *J Nucl Med* 1987; 28: 1213
- Lung, sequestration**
See Lung, abnormalities
- Lung, surgery**
bilobectomy for bronchogenic carcinoma, (ab), Keller SM; Kaiser LR; Martini N, *Radiology* 1988; 168: 291
- left upper lobe torsion following left lingulectomy, Weisbrod GL, *J Canad Assoc Radiol* 1987; 38: 296
- postlobectomy chest: anatomic considerations, Holbert JM; Chasen MH; Lipshitz HI; Mountain CF, *Radiographics* 1987; 7: 889
- right-pneumectomy syndrome: radiologic findings and CT correlation, Shepard JO; Grillo HC; McCloud TC; Dedrick CG; Spizarny DL, *Radiology* 1986; 161: 661
- role of resection in the treatment of pulmonary metastases from Ewing's sarcoma, (ab), Lanza LA; Miser JS; Pass HI; et al, *Radiology* 1988; 168: 292
- upper lobe volume loss: divergent and parallel patterns of vascular reorientation, Proto AV; Moser ES Jr, *Radiographics* 1987; 7: 875
- Lung, thrombosis**
computed tomography of pulmonary thromboembolism and infarction, Chintapalli K; Thorsen MK; Olson DL; et al, *JCAT* 1988; 12: 553
- perfusion scan findings understate the severity of angiographic and hemodynamic compromise in chronic thromboembolic pulmonary hypertension, (ab), Ryan KL; Fedullo PF; Davis GB; et al, *Radiology* 1988; 169: 881
- pulmonary arterial hypertension: value of perfusion scintigraphy, Powe JE; Palevsky HI; McCarthy KE; Alavi A, *Radiology* 1987; 164: 727
- pulmonary embolism: diagnosis with multiple imaging modalities, Alderson PO; Martin EC, *Radiology* 1987; 164: 297
- Lung, tomography**
gallium scanning and tomography in the preoperative evaluation of lung cancer, (ab), Santiago S; Houston D; Ezer J; et al, *Radiology* 1987; 162: 291
- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study: reply, Chasen MH; McCarthy MJ, *Radiology* 1987; 162: 288
- solitary pulmonary opacities: plain tomography, Huston J III; Muhm JR, *Radiology* 1987; 163: 481
- Lung, torsion**
left upper lobe torsion following left lingulectomy, Weisbrod GL, *J Canad Assoc Radiol* 1987; 38: 296
- lung torsion: case report and literature review, Moser ES Jr; Proto AV, *Radiology* 1987; 162: 639
- lung torsion: radiographic findings in nine cases, Felson B, *Radiology* 1987; 162: 631
- Lung, transplantation**
acute isolated pulmonary rejection following transplantation of the heart and both lungs: experimental and clinical observations, (ab), Novitzky D; Cooper DKC; Rose AG; et al, *Radiology* 1987; 162: 587
- obliterative bronchiolitis after heart-lung transplantation: apparent arrest by augmented immunosuppression, (ab), Glanville AR; Baldwin JC; Burke CM; et al, *Radiology* 1988; 167: 586
- progressive pulmonary calcification complicating successful transplantation, (ab), Breitz HB; Sirota PS; Nelp WB; et al, *Radiology* 1988; 168: 292
- Lung, US studies**
differentiation of pulmonary parenchymal consolidation from pleural disease using the sonographic fluid bronchogram, Dorne HL, *Radiology* 1986; 158: 41
- prenatal sonographic depiction of intralobar pulmonary sequestration, Maulik D; Robinson L; Daily DK; et al, *J Ultrasound Med* 1987; 6: 703
- pulmonary lesions mimicking pericardial effusion on ultrasonography, Erasme U; Lundell B, *Pediatr Radiol* 1987; 17: 447
- ultrasound properties of lung tissue and their measurements, Pedersen PC; Ozcan HS, *Ultrasound Med Biol* 1986; 12: 483
- Lung, ventilation**
acute unilateral pulmonary nonventilation due to mucous plugs, Pham DH; Huang D; Korwan A; Greyson ND, *Radiology* 1987; 165: 135
- adult respiratory distress syndrome: acute alveolar damage, Greene R, *Radiology* 1987; 163: 57
- aerosol penetration ratio: new index of ventilation, Sirt SA; Elliott GR; Regelman WE; et al, *J Nucl Med* 1986; 27: 1343
- clinical outcomes of patients with suspected pulmonary embolism and low-probability aerosol-perfusion scintigrams, Smith R; Maher JM; Miller RL; Alderson PO, *Radiology* 1987; 164: 731
- computed tomography based estimates of regional gas and tissue volume of the lung in supine subjects with chronic airflow limitation or fibrosing alveolitis, (ab), Miller AB; Fromson B; Strickland BA; et al, *Radiology* 1987; 164: 292
- diagnosis of a pneumothorax on the ventilation lung scan images, Datz FL; Davis W, *Clin Nucl Med* 1987; 12: 757
- diagnostic value of ventilation-perfusion lung scanning in patients with suspected pulmonary embolism, (ab), Hull RD; Hirsh J; Carter CJ; et al, *Radiology* 1986; 159: 820
- hyperinflation of the lungs in infants with large left-to-right shunts, Markowitz RI; Johnson KM; Weinstein EM, *Invest Radiol* 1988; 23: 354
- idiopathic pulmonary fibrosis: another cause of ventilation/perfusion mismatch, Eary JF; Fisher MC; Cerqueira MD, *Clin Nucl Med* 1986; 11: 396
- indeterminate lung imaging: can the number be reduced?, Davis RB; Schaeffer D; Siddiqui AR; et al, *Clin Nucl Med* 1986; 11: 577
- initial experience with Technegas—a new ventilation agent, Fawdry RM; Gruenewald SM, *Australas Radiol* 1988; 32: 232
- lung ventilation studies with technetium-99m pseudogas, Burch WM; Sullivan PJ; Lomas FE; et al, *J Nucl Med* 1986; 27: 842
- measurement of lung gas volume and regional density by computed tomography in dogs, Wandtke JC; Hyde RW; Fajfy PJ; et al, *Invest Radiol* 1986; 21: 108
- pleural effusion causing unmatched ventilation defects in ventilation and perfusion scanning, Goddard P; Henson J; Davies ER, *Clin Radiol* 1986; 37: 285
- postperfusion ventilation studies in the diagnosis of pulmonary embolism: economic appraisal, Parker LA; Renner JB; Vincent LM; et al, *Clin Nucl Med* 1987; 12: 6
- quantification of regional ventilation in humans using a short-lived radiotracer—theoretical evaluation of the steady-state model, Valind SO; Rhodes CG; Jonson B, *J Nucl Med* 1987; 28: 1144
- radiographic parenchymal opacity, matching perfusion defect, and normal ventilation: sign of pulmonary embolism? work in progress, Strauss EB; Sostman HD; Gottschalk A, *Radiology* 1987; 163: 505
- regional lung perfusion and ventilation with radiolabeled in cervical cord-injured patients, Himizumi Y; Fujimaki E; Hishida T; et al, *Clin Nucl Med* 1986; 11: 352
- significance of single ventilation/perfusion mismatches in krypton-81m/technetium-99m lung scintigraphy, Rosen JM; Palestro CJ; Markowitz D; et al, *J Nucl Med* 1986; 27: 361
- unusual ventilation perfusion scintigram in a case of immunologic pulmonary edema clinically simulating pulmonary embolism, Campeau RJ; Faust JM; Ahmad S, *Clin Nucl Med* 1987; 12: 874
- upper lobe lung disease: physiologic correlates, review, Gurney JW; Schroeder BA, *Radiology* 1988; 167: 359
- upper lobe volume loss: divergent and parallel patterns of vascular reorientation, Proto AV; Moser ES Jr, *Radiographics* 1987; 7: 875
- ventilation abnormalities associated with pulmonary embolism, Sandler MS; Velchik MG; Alavi A, *Clin Nucl Med* 1988; 13: 450
- ventilation imaging with positron emission tomography and nitrogen 13, Murata K; Itoh H; Senda M; Todo G; Yonekura Y; Torizuka K, *Radiology* 1986; 158: 303
- ventilation/perfusion mismatch of one lung in a patient with Takayasu's arteritis, Suzuki Y, *Clin Nucl Med* 1987; 12: 733
- ventilation-perfusion scan in the acutely ill patient with unilateral hyperlucent lung, Miller MB; Caride VJ, *J Nucl Med* 1988; 29: 114
- ventilation-perfusion scintigraphy in suspected pulmonary embolism: correlation with pulmonary angiography and refinement of criteria for interpretation, Spies WG; Burstein SP; Dillehay GL; Vogelzang RL; Spies SM, *Radiology* 1986; 159: 383

- ventilation scintigraphy with submicron radioaerosol as an adjunct in the diagnosis of congenital lobar emphysema. Loewy J; O'Brodovich H; Coates G. *J Nucl Med* 1987; 28: 1213
- Lung, volume**
See Lung, ventilation
- Lung neoplasms**
adenosquamous lung carcinoma: clinical characteristics, treatment, and prognosis, (ab), Naunheim KS; Taylor JR; Skosey C; et al, *Radiology* 1988; 167: 884
atypical carcinoid of the lung: radiographic features, Choplin RH; Kawamoto EH; Dyer RB; et al, *AJR* 1986; 146: 665
bilobectomy for bronchogenic carcinoma, (ab), Keller SM; Kaiser LR; Martini N, *Radiology* 1988; 168: 291
bronchogenic carcinoma associated with upper aerodigestive cancers, (ab), Yellin A; Hill LR; Benfield JR, *Radiology* 1987; 162: 884
calcification in pulmonary nodules: detection with dual-energy digital radiography, Fraser RG; Hickey NM; Niklason LT; Sabbagh EA; Luna RF; Alexander CB; Robinson CA; Katzenstein A-LA; Barnes CT, *Radiology* 1986; 160: 595
clinico-radiologic-pathologic conference: an elderly man with bilateral lung disease, Müller NL; Guerry-Force ML; Lawson L; et al, *J Canad Assoc Radiol* 1987; 38: 219
correlation between needle biopsy of lung tumors and histopathologic analysis of resected specimens, (ab), Horrigan TP; Bergin KT; Snow N, *Radiology* 1987; 163: 837
cortical bone metastases, Coerkamp EG; Kroon HM, *Radiology* 1988; 169: 525
CT of the pulmonary nodule: cooperative study, Zerhouni EA; Stitik FP; Siegelman SS; Naidich DP; Sagel SS; Proto AV; Muhm JR; Walsh JW; Martinez CR; Heelan RT; Brantly P; Bozeman RE; Disantis DJ; Ettenger N; McCauley D; Aughenbaugh GL; Brown LR; Miller WE; Litt AW; Leo FP; Fishman EK; Khouri NF, *Radiology* 1986; 160: 319
decreasing size of a congenital cystic adenomatoid malformation in utero, Fine C; Adzick NS; Doubilet PM, *J Ultrasound Med* 1988; 7: 405
effects of cigarette smoke exposure on retention of asbestos fibers in various morphologic compartments of the guinea pig lung, (ab), Churg A; Tron V; Wright JL, *Radiology* 1988; 167: 884
electron microscopy in selection of patients with small cell carcinoma of the lung for medical versus surgical therapy, (ab), Iglehart JD; Wolfe WC; Vernon WB; et al, *Radiology* 1986; 159: 569
extracellular matrix of pulmonary scar carcinomas is suggestive of a desmoplastic origin, (ab), Barsky SH; Huang SJ; Bhuta S, *Radiology* 1987; 163: 290
gallium scanning and tomography in the preoperative evaluation of lung cancer, (ab), Santiago S; Houston D; Ezer J; et al, *Radiology* 1987; 162: 291
general case of the day: annual meeting, 1985, Muhm JR, *Radiographics* 1986; 6: 914
giant cell carcinoma of the lung: clinical and roentgenographic manifestations, (ab), Shin MS; Jackson LK; Shelton RW Jr; et al, *Radiology* 1986; 160: 856
histopathology of lung cancer, Yesner R, *Semin US CT MR* 1988; 9: 4
ICRP publication 50: lung cancer risk from indoor exposures to radon daughters, Smith H, *J Canad Assoc Radiol* 1988; 39: 144
immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma: a bi-institutional study of 47 cases, (ab), Otis CN; Carter D; Cole S; et al, *Radiology* 1987; 165: 295
is adenocarcinoma/large cell carcinoma the most radiocurable type of cancer of the lung?, Cox JD; Barber-Derus S; Hartz AJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1801
Kaposi's sarcoma of the lung in AIDS: radiologic-pathologic analysis, Sivitt CJ; Schwartz AM; Rockoff SD, *AJR* 1987; 148: 25
lung cancer: differentiation of tumor, necrosis, and atelectasis by means of T1 and T2 values measured in vitro, Shioya S; Haida M; Ono Y; Fukuzaki M; Yamabayashi H, *Radiology* 1988; 167: 105
lung cancer following treatment for lymphoma, (ab), Abernathy D; Beltran G; Stuckey WJ, *Radiology* 1987; 162: 885
lung cancer in males and type of dwelling: an epidemiologic pilot study, Damber LA; Larsson L-G, *Acta Oncol* 1987; 26: 211
lung cancer, part I: etiology, pathology, natural history, manifestations, and diagnostic techniques, Filderman AE; Shaw C; Matthay RA, *Invest Radiol* 1986; 21: 80
lung cancer risk from indoor exposures to radon daughters, Acta Oncol Acta Oncol 1987; 26: 489
lung cancer risk from indoor exposure to radon daughters, Smith H, *Radiology* 1988; 167: 580
mesenchymoma of the lung (so called hamartoma): a review of 154 parenchymal and endobronchial cases, (ab), van den Bosch JMM; Wagenaar SS; Corrin B; et al, *Radiology* 1988; 168: 587
obstructive pneumonitis: a pathologic and pathogenetic reappraisal, Burke M; Fraser R, *Radiology* 1988; 166: 699
plasma cell granuloma of the lung, Doyle AJ, *Australas Radiol* 1988; 32: 144
postoperative radiation therapy in the management of lung cancer, Emami B; Kim T; Roper C; Simpson JR; Pilepich MV; Hederman MA, *Radiology* 1987; 164: 251
precision cautery excision of pulmonary lesions, (ab), Cooper JD; Perelman M; Todd TR; et al, *Radiology* 1986; 160: 572
primary leiomyosarcoma of the lung in a girl, Beluffi G; Bertolotti P; Mietta A; et al, *Pediatr Radiol* 1986; 16: 240
primary pulmonary Hodgkin's disease: clinicopathologic study of 15 cases, (ab), Yousem SA; Weiss LM; Colby TV, *Radiology* 1986; 160: 857
pulmonary blastoma, report of three cases and a review of the literature, Weisbrod GL; Chamberlain DW; Tao LC, *J Canad Assoc Radiol* 1988; 39: 130
pulmonary hamartoma: CT findings, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1986; 160: 313
pulmonary hamartoma: CT findings, Rubinstein I; Hoffstein V, *Radiology* 1987; 162: 878
pulmonary hamartoma: CT findings: reply, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1987; 162: 878
pulmonary metastatic disease: radiologic-surgical correlation, Peuchot M; Libshitz HI, *Radiology* 1987; 164: 719
pulmonary metastatic disease: radiologic-surgical correlation, Goodman LR, *Radiology* 1988; 167: 284
pulmonary metastatic disease: radiologic-surgical correlation: reply, Libshitz HI, *Radiology* 1988; 167: 284
pulmonary tumor embolism: a critical review of clinical, imaging, and hemodynamic features, Chan CK; Hutcheon MA; Hyland RH; et al, *J Thorac Imag* 1987; 2: 4
rapid pulmonary dissemination in mycosis fungoides simulating pneumonia. case report and review of the literature, (ab), Rubin DL; Blank N, *Radiology* 1986; 158: 565
relationship between tuberculous scar and carcinomas of the lung, Richardson S; Hirsch A; Ruffie P; et al, *Eur J Radiol* 1987; 7: 163
resectable Stage III lung cancer: CT, surgical, and pathologic correlation, Scott IR; Müller NL; Miller RR; Evans KG; Nelems B, *Radiology* 1988; 166: 75
small cell anaplastic carcinoma: cytological-histological correlations from percutaneous fine-needle aspiration biopsy, Weisbrod GL; Cunningham I; Tao LC; et al, *J Canad Assoc Radiol* 1987; 38: 204
solitary pulmonary nodules: CT assessment, Siegelman SS; Khouri NF; Leo FP; Fishman EK; Braverman RM; Zerhouni EA, *Radiology* 1986; 160: 307
spontaneous pneumothorax: complication of lung cancer?, (ab), Steinhauslin CA; Cuttat JF, *Radiology* 1986; 159: 821
subtle lung cancers: impact of edge enhancement and gray scale reversal on detection with digitized chest radiographs, Oestmann JW; Kushner DC; Bourgoin PM; Llewellyn HJ; Mockbee BW; Greene R, *Radiology* 1988; 167: 657
transcutaneous needle aspiration of solitary pulmonary masses: how many passes?, (ab), Williams AJ; Santiago S; Lehman S; et al, *Radiology* 1988; 166: 292
unusual radiologic presentations of bronchioloalveolar carcinoma, Huang D; Weisbrod GL; Chamberlain DW, *J Canad Assoc Radiol* 1986; 37: 94
- Lung neoplasms, CT**
asbestos-related focal lung masses: manifestations on conventional and high-resolution CT scans, Lynch DA; Gamsu G; Ray CS; Aberle DR, *Radiology* 1988; 169: 603
bronchogenic carcinoma metastatic to normal-sized lymph nodes: frequency and significance, Gross BH; Glazer GM; Orringer MB; Spizarny DL; Flint A, *Radiology* 1988; 166: 71
central lung masses: prediction with CT of need for pneumonectomy versus lobectomy, Quint LE; Glazer GM; Orringer MB, *Radiology* 1987; 165: 735
chest CT of unresectable lung cancer, Gay SB; Black WC; Armstrong P; Daniel TM, *Radiographics* 1988; 8: 735
computed tomography for preoperative evaluations of lung cancer, Nakata H; Ishimaru H; Nakayama C; et al, *CT* 1986; 10: 147
computed tomography for staging bronchogenic carcinoma, (ab), König R; van Kaick G; Clorius JH; et al, *Radiology* 1986; 158: 565
computed tomography in pulmonary papillomatosis, Oleszczuk-Raszke K; Cremin BJ, *Br J Radiol* 1988; 61: 160
computed tomography of mediastinal lymph nodes in nonsmall cell lung cancer: a new approach based on the lymphatic pathway of tumor spread, Buy J-N; Ghossein MA; Poisson F; et al, *JCAT* 1988; 12: 545
computed tomography of primary malignant fibrohistiocytoma of the lung, Ismailier I; Khan A; Leonidas JC; et al, *Comput Radiol* 1987; 11: 37
cost effectiveness of chest CT in TINOMO lung cancer, Black WC; Armstrong P; Daniel TM, *Radiology* 1988; 167: 373
CT evaluation of the equivocal pulmonary nodule, Howe MA; Gross BH, *Comput Radiol* 1987; 11: 61
CT evidence of calcification within a small cell carcinoma of the lung, Kyser PL; McComb BL; Bennett WF, *Comput Radiol* 1986; 10: 107
CT findings of lobar bronchioloalveolar carcinoma, Im J-G; Choi BJ; Park JH; et al, *JCAT* 1986; 10: 320
CT in the management of lung cancer, Mann H, Semir US CT MR 1988; 9: 40
CT of the pulmonary nodule: cooperative study, Zerhouni EA; Stitik FP; Siegelman SS; Naidich DP; Sagel SS; Proto AV; Muhm JR; Walsh JW; Martinez CR; Heelan RT; Ettenger N; McCauley D; Aughenbaugh GL; Brown LR; Miller WE; Litt AW; Leo FP; Fishman EK; Khouri NF, *Radiology* 1986; 160: 319
CT-pathologic correlation in small peripheral lung cancers, Kuriyama K; Tateishi R; Doi O; et al, *AJR* 1987; 149: 1139
detection of T-factor in lung cancer using magnetic resonance imaging and computed tomography, Kameda K; Adachi S; Kono M, *J Thorac Imag* 1988; 3-2: 73
dystrophic calcification in carcinoma of the lung: demonstration by CT, Stewart JG; MacMahon H; Vyborny CJ; et al, *AJR* 1987; 148: 29
hilar masses: evaluation with CT-guided biopsy after negative bronchoscopic examination, Sider L; Davis TM Jr, *Radiology* 1987; 164: 107
incidence of pulmonary nodules detected by computed tomography in patients with bronchial carcinoma, Mitchell DM; Shah SH; Edwards D; et al, *Clin Radiol* 1986; 37: 151
malignant hemangiopericytoma: computed tomography and magnetic resonance imaging, Shin MS; Koehler RE; Stanley RJ; et al, *CT* 1987; 11: 297

- metastatic choriocarcinoma simulating an arteriovenous malformation on chest radiography and dynamic CT, Cirimelli KM; Colletti PM; Beck S, *JCAT* 1988; 12: 317
- pitfalls in CT evaluation of chest wall invasion by lung cancer, Shin MS; Anderson SD; Myers J; et al, *JCAT* 1986; 10: 136
- plain radiography and computed tomography in the staging of bronchogenic carcinoma: a practical approach, Webb WR, *J Thorac Imag* 1987; 2: 57
- primary lung cancer staging: prospective comparative study of MR imaging with CT, Musset D; Grenier P; Carrette MF; Fria G; Hauy MP; Desbieds MT; Girard P; Bigot JM; Lallemand D, *Radiology* 1986; 160: 607
- pulmonary hamartoma: CT findings, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1986; 160: 313
- pulmonary hamartoma: CT findings, Rubinstein I; Hoffstein V, *Radiology* 1987; 162: 878
- pulmonary hamartoma: CT findings: reply, Siegelman SS; Khouri NF; Scott WW Jr; Leo FP; Hamper UM; Fishman EK; Zerhouni EA, *Radiology* 1987; 162: 878
- pulmonary lymphangitic carcinomatosis: CT and pathologic findings, Munk PL; Müller NL; Miller RR; Ostrow DN, *Radiology* 1988; 166: 705
- pulmonary lymphangitic spread of carcinoma: appearance on CT scans, Stein MG; Mayo J; Müller NL; Aberle DR; Webb WR; Gamsu G, *Radiology* 1987; 162: 371
- pulmonary metastatic disease: radiologic-surgical correlation, Peuchot M; Libshitz HI, *Radiology* 1987; 164: 719
- pulmonary metastatic disease: radiologic-surgical correlation, Goodman LR, *Radiology* 1988; 167: 284
- pulmonary metastatic disease: radiologic-surgical correlation: reply, Libshitz HI, *Radiology* 1988; 167: 284
- radiologic contributions to cancer management, Kagan AR; Steckel RJ, *AJR* 1986; 147: 473
- resectable Stage III lung cancer: CT, surgical, and pathologic correlation, Scott IR; Müller NL; Miller RR; Evans KG; Nelems B, *Radiology* 1988; 166: 75
- role of CT in staging radiographic T₁N₀M₀ lung cancer, Heavey LR; Glazer GM; Gross BH; et al, *AJR* 1986; 146: 285
- small-cell bronchogenic carcinoma: CT evaluation, Pearlberg JL; Sandler MA; Lewis JW Jr; et al, *AJR* 1988; 150: 265
- solitary bronchioloalveolar carcinoma: CT criteria, Kuhlman JE; Fishman EK; Kuhajda FP; Mezziane MM; Khouri NF; Zerhouni EA; Siegelman SS, *Radiology* 1988; 167: 379
- solitary pulmonary nodule: role of CT, Sagel SS, *AJR* 1986; 147: 26
- solitary pulmonary nodules: CT assessment, Siegelman SS; Khouri NF; Leo FP; Fishman EK; Braverman RM; Zerhouni EA, *Radiology* 1986; 160: 307
- thoracic computed tomography in the preoperative evaluation of primary bronchogenic carcinoma, (ab), Matthews JL; Richey HM; Helsel RA; et al, *Radiology* 1987; 164: 292
- value of CT in the preoperative assessment of lung cancer: survey of thoracic surgeons, Epstein DM; Stephenson LW; Geffer WB; van der Voorde F; Aronchick JM; Miller WT, *Radiology* 1986; 161: 423

Lung neoplasms, diagnosis

- bronchioloalveolar cell carcinoma of the lung, (ab), Greco RJ; Steiner RM; Goldman S; et al, *Radiology* 1986; 161: 859
- calcification in pulmonary nodules: detection with dual-energy digital radiography, Fraser RG; Hickey NM; Niklasen LT; Sabbagh EA; Luna RF; Alexander CB; Robinson CA; Katzenstein A-LA; Barnes GT, *Radiology* 1986; 160: 595
- CT evaluation of the equivocal pulmonary nodule, Howe MA; Gross BH, *Comput Radiol* 1987; 11: 61

- CT-pathologic correlation in small peripheral lung cancers, Kuriyama K; Tateishi R; Doi O; et al, *AJR* 1987; 149: 1139
- diagnostic distinction between malignant mesothelioma of the pleura and adenocarcinoma of the lung as defined by a monoclonal antibody (B72.3), (ab), Szpak CA; Johnston WW; Roggli V; et al, *Radiology* 1986; 160: 571
- differentiation of benign from malignant pulmonary nodules with digitized chest radiographs, Sherrier RH; Chiles C; Johnson GA; Ravin CE, *Radiology* 1987; 162: 645
- effect of varying high pass filter parameters on the detectability of isolated pulmonary nodules in digitized chest images, Foley WD; Wilson CR; San Dretto M, *Invest Radiol* 1986; 21: 305
- effects of image processing on nodule detection rates in digitized chest radiographs: ROC study of observer performance, Sherrier RH; Chiles C; Wilkinson WE; Johnson GA; Ravin CE, *Radiology* 1988; 166: 447
- hilar masses: evaluation with CT-guided biopsy after negative bronchoscopic examination, Sider L; Davis TM Jr, *Radiology* 1987; 164: 107
- ICON: computer-based approach to differential diagnosis in radiology, Swett HA; Miller PL, *Radiology* 1987; 163: 555
- identification of ACTH-producing intrathoracic tumors by measuring ACTH levels in aspirated specimens, Doppman JL; Loughlin T; Miller DL; Pass HI; Chrousos GP; Cutler GB Jr; Oldfield EH; Loriaux DL, *Radiology* 1987; 163: 501
- importance and value of a preoperative diagnosis in oat cell carcinoma by radiography and its verification by fine needle biopsy (FNB), (ab), Sinner WN, *Radiology* 1986; 158: 565
- lung lesions: correlation between viewing time and detection, Oestmann JW; Greene R; Kushner DC; Bourgoignie PM; Linetsky L; Llewellyn HJ, *Radiology* 1988; 166: 451
- lung lesions: cytologic diagnosis by fine-needle biopsy, Stanley JH; Fish GD; Andriole JC; Gobien RP; Betts WL; Laden SA; Schabel SI, *Radiology* 1987; 162: 389
- preliminary experience with a dual cutting edge needle in thoracic percutaneous fine-needle aspiration biopsy, Weisbrod GL; Herman SJ; Tao L-C, *Radiology* 1987; 163: 75
- primary lung cancer staging: prospective comparative study of MR imaging with CT, Musset D; Grenier P; Carrette MF; Fria G; Hauy MP; Desbieds MT; Girard P; Bigot JM; Lallemand D, *Radiology* 1986; 160: 607
- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study, Littleton JT, *Radiology* 1987; 162: 288
- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study: reply, Chasen MH; McCarthy MJ, *Radiology* 1987; 162: 288
- radiologic contributions to cancer management, Kagan AR; Steckel RJ, *AJR* 1986; 147: 473
- searching for lung nodules: comparison of human performance with random and systematic scanning models, Kundel HL; Nodine CF; Thickman D; et al, *Invest Radiol* 1987; 22: 417
- simulated pulmonary nodules: detection with dual-energy digital versus conventional radiography, Niklasen LT; Hickey NM; Chakraborty DP; Sabbagh EA; Yester MV; Fraser RG; Barnes GT, *Radiology* 1986; 160: 589
- solitary bronchioloalveolar carcinoma: CT criteria, Kuhlman JE; Fishman EK; Kuhajda FP; Mezziane MM; Khouri NF; Zerhouni EA; Siegelman SS, *Radiology* 1988; 167: 379
- solitary pulmonary opacities: plain tomography, Huston J III; Muhm JR, *Radiology* 1987; 163: 481
- triple fine-needle biopsy of Kulchitsky cell carcinomas I, II (bronchial adenomas), Sinner WN, *Eur J Radiol* 1988; 8: 165

Lung neoplasms, metastases

- bronchogenic carcinoma metastatic to normal-sized lymph nodes: frequency and significance, Gross BH; Glazer GM; Orringer MB; Spitzary DL; Flint A, *Radiology* 1988; 166: 71
- calcified carcinoma of the lung and intracerebral metastasis, Kelly RB; Mahoney PD; Johnson JF, *CT* 1987; 11: 389
- CNS relapse despite prophylactic cranial irradiation (PCI) in small cell lung cancer (SCLC), Hoskin PJ; Yarnold JR; Smith IE; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2025
- cost effectiveness of chest CT in TINOMO lung cancer, Black WC; Armstrong P; Daniel TM, *Radiology* 1988; 167: 373
- intracardiac extension of lung cancer via pulmonary veins: CT diagnosis, Dore R; Alerci M; D'Andrea F; et al, *JCAT* 1988; 12: 565
- intussusception secondary to squamous carcinoma of the lung, Listrum MB; Davis M; Lowry S; et al, *Gastrointest Radiol* 1988; 13: 224
- lung cancer case with numerous calcified metastatic nodules of the brain, Fukuda Y; Homma T; Kohga H; et al, *Neuroradiol* 1988; 30: 265
- mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Glazer GM; Orringer MB; Chenevert TL; Borrello JA; Penner MW; Quint LE; Li KC; Aisen AM, *Radiology* 1988; 168: 429
- metastatic deposits from a previously treated carcinoma of the lung presenting as a renal cell carcinoma, Bailey MJ; Williams JE; Riddle PR, *Br J Radiol* 1986; 59: 333
- patterns of mediastinal metastases in bronchogenic carcinoma, (ab), Libshitz HI; McKenna RJ Jr; Mountain CF, *Radiology* 1987; 162: 884
- radiologic evaluation of the subcarinal lymph nodes: a comparative study, Platt JF; Glazer GM; Orringer MB; et al, *AJR* 1988; 151: 279
- results of therapeutic cranial irradiation in small cell lung cancer, Carmichael J; Crane JM; Burr PA; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 455
- roentgenographic evaluation of mediastinal nodes for preoperative assessment in lung cancer, (ab), McKenna RJ Jr; Libshitz HI; Mountain CE; et al, *Radiology* 1986; 158: 565
- significance of metastatic disease in subaortic lymph nodes, (ab), Patterson GA; Piazza D; Pearson FG; et al, *Radiology* 1987; 164: 882
- skeletal muscle metastases from lung cancer, (ab), Sridhar KS; Rao RK; Kunhardt B, *Radiology* 1987; 165: 589
- surgical approach to lung cancer with solitary cerebral metastasis: twenty-five years' experience, (ab), Magilligan DJ Jr; Duvernoy C; Malik G; et al, *Radiology* 1987; 163: 586
- timing of elective brain irradiation: critical factor for brain metastasis-free survival in small cell lung cancer, Lee JS; Umsawasdi T; Barkley HT Jr; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 697
- value of CT in the preoperative assessment of lung cancer: survey of thoracic surgeons, Epstein DM; Stephenson LW; Geffer WB; van der Voorde F; Aronchick JM; Miller WT, *Radiology* 1986; 161: 423

Lung neoplasms, MR studies

- chest-wall invasion by carcinoma of the lung: detection by MR imaging, Haggard AM; Pearlberg JL; Froelich JW; et al, *AJR* 1987; 148: 1075
- detection of T-factor in lung cancer using magnetic resonance imaging and computed tomography, Kameda K; Adachi S; Kono M, *J Thorac Imag* 1988; 3-2: 73
- differentiation of proximal bronchogenic carcinoma from postobstructive lobar collapse by magnetic resonance imaging: comparison with computed tomography, Tobler J; Levitt RG; Glazer HS; et al, *Invest Radiol* 1987; 22: 538
- lung cancer: differentiation of tumor, necrosis, and atelectasis by means of T1 and T2 values measured in vitro, Shioya S; Haida M; Ono Y; Fukuzaki M; Yamabayashi H, *Radiology* 1988; 167: 105

- malignant hemangiopericytoma: computed tomography and magnetic resonance imaging. Shin MS; Koehler RE; Stanley RJ; et al. *CT* 1987; 11: 297
- MR imaging in the evaluation and staging of lung cancer. Webb WR. *Semin US CT MR* 1988; 9: 53
- Lung neoplasms, radionuclide studies**
- comparative evaluation of technetium-99m glucoheptonate and gallium-67 citrate thoracic imaging in detection of mediastinal and hilar involvement in primary lung cancer. Taillefer R; Beauchamp G; Leveille J. *Clin Nucl Med* 1986; 11: 15
- comparison of gallium-67 citrate and technetium-99m glucoheptonate in the evaluation of pulmonary malignancies. Vorne M; Alanko K; Jarvi K; et al. *J Nucl Med* 1987; 28: 442
- demonstration of pulmonary mass defect by iodine-123 N,N'-trimethyl-N[2-hydroxy-3-methyl-5-iodobenzyl]-1,3-propanediamine lung imaging. Shih W-J; Coupal JJ; DeLand FH; et al. *Clin Nucl Med* 1986; 11: 632
- diffuse muscle uptake of technetium-99m MDP in a patient with lung cancer. Krasnow AZ; Collier BD; Iaitman AT; et al. *Clin Nucl Med* 1988; 13: 538
- flare responses in small cell carcinoma of the lung. Cosolo W; Morstyn G; Arkles B; et al. *Clin Nucl Med* 1988; 13: 13
- human lung tumors: SPECT quantitation of differences in Co-57 bleomycin uptake. Front D; Israel O; Iosilevsky G; Even-Sapir E; Frenkel A; Peleg H; Steiner M; Kuten A; Kolodny GM. *Radiology* 1987; 165: 129
- influence of tumor stage and metastasis on the biodistribution of gallium-67 citrate in the murine Lewis lung carcinoma model. Kancierz A; Wiebe LI; Luu K; et al. *J Nucl Med* 1988; 29: 1252
- nuclear medicine techniques in the evaluation of pulmonary neoplasia. Waxman AD. *J Thorac Imag* 1987; 2: 50
- postoperative recurrence of lung cancer: detection of whole-body gallium scintigraphy. Hatfield MK; MacMahon H; Ryan JW; et al. *AJR* 1986; 147: 911
- role of nuclear medicine in pulmonary neoplastic processes. Waxman AD. *Semin Nucl Med* 1986; 16: 285
- scintigraphic diagnosis of rib lesions in patients with lung carcinoma. Matsumoto S; Shibuya H; Umehara I; et al. *Clin Nucl Med* 1987; 12: 960
- serendipitous detection of lung cancer on hepatic imaging. Rapoport GM; Swayne LC. *Clin Nucl Med* 1987; 12: 638
- thallium-201 chloride uptake in a lung tumor during a routine stress thallium examination. Eisenberg B; Velchik MG; DeVries DF. *Clin Nucl Med* 1988; 13: 214
- unilateral thoracic soft-tissue accumulation of bone agent in lung cancer. Levy HA; Park CH; *J Nucl Med* 1987; 28: 1275
- utility of gallium-technetium subtraction imaging in evaluation of pulmonary involvement by lymphoma. Boudreau R; du Cret RP; Juennemann P; et al. *Clin Nucl Med* 1987; 12: 766
- visualization of adrenocortical carcinoma lung metastases with iodine-131 labeled 68-iodomethylcholesterol (NP-59). Chow CK; Ziessman HA; Earll JM. *Clin Nucl Med* 1987; 12: 468
- Lung neoplasms, secondary**
- blood supply of pulmonary metastases. Milne ENC; Zerhouni EA. *J Thorac Imag* 1987; 2: 15
- colorectal carcinoma: detection with indium-111 anticarcinoembryonic-antigen monoclonal antibody ZCE-025. Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW. *Radiology* 1987; 164: 617
- complete regression of pulmonary metastases from malignant melanoma of the vulva following therapy with tamoxifen. Amin R. *Br J Radiol* 1986; 59: 171
- growth rate of pulmonary metastases from soft tissue sarcoma. Rösör B; Pettersson H; Alvegård T. *Acta Oncol* 1987; 26: 189
- metastatic disease to the chest in patients with extrathoracic malignancy. Coppage L; Shaw C; Curtis AM. *J Thorac Imag* 1987; 2: 24
- pulmonary lymphangitic carcinomatosis: CT and pathologic findings. Munk PL; Müller NL; Müller RR; Ostrow DN. *Radiology* 1988; 166: 705
- pulmonary lymphangitic spread of carcinoma: appearance on CT scans. Stein MG; Mayo J; Müller NL; Aberie DR; Webb WR; Gamsu G. *Radiology* 1987; 162: 371
- pulmonary metastatic disease: radiologic-surgical correlation. Peuchot M; Libshitz HL. *Radiology* 1987; 164: 719
- pulmonary metastatic disease: radiologic-surgical correlation. Goodman LR. *Radiology* 1988; 167: 284
- pulmonary metastatic disease: radiologic-surgical correlation: reply. Libshitz HL. *Radiology* 1988; 167: 284
- pulmonary sulcus metastases simulating intraabdominal malignancy in childhood tumors. Donaldson JS; Miller JH; Gilsanz V. *CT* 1987; 11: 271
- regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice. Nathanson SD; Haas GP; Bobrowski R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 243
- residual cavities of lung metastases following chemotherapy. Kier R; Godwin JD. *Comput Radiol* 1986; 10: 293
- role of resection in the treatment of pulmonary metastases from Ewing's sarcoma. (ab). Lanza LA; Miser JS; Pass HI; et al. *Radiology* 1988; 168: 292
- soft tissue sarcoma: two cases of solitary lung metastasis more than 15 years after diagnosis. Going JJ; Brewin TB; Crompton GK; et al. *Clin Radiol* 1986; 37: 579
- usefulness of SPECT in evaluating osteosarcoma metastases to the lung. Kirk GA; Schulz EE. *Clin Nucl Med* 1987; 12: 356
- visualization of adrenocortical carcinoma lung metastases with iodine-131 labeled 68-iodomethylcholesterol (NP-59). Chow CK; Ziessman HA; Earll JM. *Clin Nucl Med* 1987; 12: 468
- Lung neoplasms, staging**
- abdominal CT in the staging of small-cell carcinoma of the lung: incidence of metastases and effect on prognosis. Mirvis SE; Whitley NO; Aisner J; et al. *AJR* 1987; 148: 845
- bone marrow evaluation in small cell carcinoma of the lung. Giaccone G; Ciuffreda L; Donadio M; et al. *Acta Oncol* 1987; 26: 185
- computed tomography for staging bronchogenic carcinoma. (ab). König R; van Kaick G; Clorius JH; et al. *Radiology* 1986; 158: 565
- CT evaluation of mediastinal lymph nodes in lung cancer: influence of the lobar site of the primary neoplasm. Platt JF; Glazer GM; Gross BH; et al. *AJR* 1987; 149: 683
- CT in the management of lung cancer. Mann H. *Semin US CT MR* 1988; 9: 40
- lung cancer: part II. staging and therapy. Filderman AE; Shaw C; Matthey RA. *Invest Radiol* 1986; 21: 173
- lung cancer: update on staging classifications. Friedman PJ. *AJR* 1988; 150: 261
- mediastinal assessment for staging and treatment of carcinoma of the lung. (ab). Unruh H; Chiu RC-J. *Radiology* 1986; 160: 572
- mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging. Glazer GM; Orringer MB; Chenevert LI; Borrello JA; Penner MW; Quint LE; Li KC; Aisen AM. *Radiology* 1988; 168: 429
- mediastinal nodes in bronchogenic carcinoma: comparison between CT and mediastinoscopy. Staples CA; Müller NL; Miller RR; Evans KG; Nelems B. *Radiology* 1988; 167: 367
- MR imaging in the evaluation and staging of lung cancer. Webb WR. *Semin US CT MR* 1988; 9: 53
- new proposed international staging system for lung cancer. Mann H; Karwande SV. *Semin US CT MR* 1988; 9: 34
- primary lung cancer staging: prospective comparative study of MR imaging with CT. Musset D; Grenier P; Carotte MF; Fria G; Hauuy MP; Desblats MT; Girard P; Bigot JM; Lallemand D. *Radiology* 1986; 160: 607
- prognostic influence of TNM staging and LDH levels in small cell carcinoma of the lung (SCCL). Byhardt RW; Hartz A; Libnoch JA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 771
- radiologic contributions to cancer management. Kagan AR; Steckel RJ. *AJR* 1986; 147: 473
- resectable Stage III lung cancer: CT, surgical, and pathologic correlation. Scott IR; Müller NL; Müller RR; Evans KG; Nelems B. *Radiology* 1988; 166: 75
- role of CT in staging radiographic T₁N₁M₀ lung cancer. Heavey LR; Glazer GM; Gross BH; et al. *AJR* 1986; 146: 285
- selective preoperative evaluation for possible N2 disease in carcinoma of the lung. (ab). Backer CL; Shields TW; Lockhart CG; et al. *Radiology* 1987; 165: 587
- staging of non-small cell bronchogenic carcinoma: relationship of the clinical evaluation to organ scans. (ab). Quinn DL; Ostrow LB; Porter DK; et al. *Radiology* 1986; 160: 572
- transbronchial needle aspiration staging of bronchogenic carcinoma. (ab). Schenck DA; Bower JH; Bryan CL; et al. *Radiology* 1987; 162: 291
- value of CT in the preoperative assessment of lung cancer: survey of thoracic surgeons. Epstein DM; Stephenson LW; Cefter WB; van der Voorde F; Aronchik JM; Miller WT. *Radiology* 1986; 161: 423
- Lung neoplasms, surgery**
- central lung masses: prediction with CT of need for pneumonectomy versus lobectomy. Quint LE; Glazer GM; Orringer MB. *Radiology* 1987; 165: 735
- preoperative treatment of squamous cell carcinoma of the lung with mitomycin-C in the bronchial artery. Ekholm SE; Dahlback O; Tyles U. *Eur J Radiol* 1986; 6: 9
- resectable Stage III lung cancer: CT, surgical, and pathologic correlation. Scott IR; Müller NL; Müller RR; Evans KG; Nelems B. *Radiology* 1988; 166: 75
- surgical advances in the treatment of lung cancer. Karwande SV. *Semin US CT MR* 1988; 9: 27
- surgical approach to lung cancer with solitary cerebral metastasis: twenty-five years' experience. (ab). Magilligan DJ Jr; Duvernoy C; Malik G; et al. *Radiology* 1987; 163: 586
- survival in small cell lung carcinoma after surgery. (ab). Sorensen HR; Lund C; Alstrup P. *Radiology* 1987; 162: 587
- Lung neoplasms, therapeutic radiology**
- accelerated radiotherapy followed by chemotherapy for locally recurrent small-cell carcinoma of the lung. phase II study of cancer and leukemia group B. Choi NC; Probert K; Carey R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 263
- age factor relevant to the development of radiation pneumonitis in radiotherapy of lung cancer. Koga K; Kusumoto S; Watanabe K; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 367
- canine cardiomyopathy after whole heart and partial lung irradiation. McChesney SL; Gillette EL; Orton EC. *Int J Radiat Oncol Biol Phys* 1988; 14: 1169
- combined chemoradiotherapy in limited-disease, inoperable non-small cell lung cancer. Umasawadi T; Valdivieso M; Barkley HT Jr; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 43
- combined modality treatment for resected advanced non-small cell lung cancer: local control and local recurrence. Sadeghi A; Payne D; Rubinstein L; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 89
- CT-guided placement of iodine-125 seeds for unresectable carcinoma of the lung. Sider L; Mittal BB; Nemcek AA Jr; et al. *JCAT* 1988; 12: 515
- effect of dose of thoracic irradiation on recurrence in patients with limited stage small cell lung cancer: initial results of a Canadian multicenter randomized trial. Coy P; Hodson I; Payne DG; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 219

- energy and protein intake and nutritional status in non-surgically treated patients with small cell anaplastic carcinoma of the lung. Enig B; Winther E; Hessov I. *Acta Oncol* 1986; 25: 19
- enhancement of radiation effects by alpha interferon in the treatment of small cell carcinoma of the lung. Holsti LR; Mattson K; Niiranen A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1161
- high dose rate intraluminal irradiation in recurrent endobronchial carcinoma. (ab). Seagren S; Harrell JH; Horn RA. *Radiology* 1986; 159: 820
- impact of tumor control on survival in carcinoma of the lung treated with irradiation. Perez CA; Bauer M; Edelstein S; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 539
- improved local control of thoracic disease in small cell lung cancer with higher dose thoracic irradiation and cyclic chemotherapy. Papac RJ; Son Y; Bien R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 993
- is adenocarcinoma/large cell carcinoma the most radiocurable type of cancer of the lung? Cox JD; Barber-Derus S; Hartz AJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1801
- is correction for lung density in radiotherapy treatment planning necessary? McKenna WG; Yeakey K; Klink A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 273
- large fraction irradiation with or without misonidazole in advanced non-ot cell carcinoma of the lung: phase III randomized trial of the RTOG. Simpson JR; Bauer M; Wasserman TH; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 861
- lung sites. van der Schueren E; Cox JD. *Int J Radiat Oncol Biol Phys* 1988; 14: 5127
- lung tumors: percutaneous implantation of I-125 sources with CT treatment planning. Heelan RT; Hilaris BS; Anderson LL; Nori D; Martini N; Watson RC; Caravelli JF; Linares LA. *Radiology* 1987; 164: 735
- mediastinal assessment for staging and treatment of carcinoma of the lung. (ab). Unruh H; Chiu RC-J. *Radiology* 1986; 160: 572
- neurologic dysfunction in patients treated for small cell carcinoma of the lung: clinical and radiological study. Chak LY; Zatz LM; Wasserstein P; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 385
- neurotoxicity in long-term survivors of small cell lung cancer. Lee JS; Umsawadi T; Lee Y-Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 313
- once-a-week vs conventional daily radiation treatment for lung cancer: final report. Slawson RG; Salazar OM; Poussin-Rosillo H; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 61
- outcome of prophylactic and therapeutic cranial irradiation in disseminated small cell lung carcinoma: a Southwest Oncology Group study. Mira JG; Chen TT; Livingston RB; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 861
- phase II trial of combined radiotherapy and daily low-dose cisplatin for inoperable, locally advanced non-small cell lung cancer (NSCLC). van Harskamp G; Boven E; Vermorken JB; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1735
- pilot study of whole body hyperthermia and local irradiation for advanced non-small cell lung cancer confined to the thorax. Robins HI; Longo WL; Steeves RA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 427
- postoperative radiation therapy in the management of lung cancer. Emami B; Kim T; Roper C; Simpson JR; Pilepich MV; Hederman MA. *Radiology* 1987; 164: 251
- post-operative thoracic irradiation with or without levamisole in non-small cell lung cancer: results of a Radiation Therapy Oncology Group study. Herskovic A; Bauer M; Seydel HG; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 37
- postoperative whole lung irradiation with or without adriamycin in osteogenic sarcoma. Zaharia M; Caceres E; Valdivia S; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 907
- prospective prediction of post-radiation therapy lung function using quantitative lung scans and pulmonary function testing. Rubenstein JH; Richter MP; Moldofsky PJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 83
- prospective randomized trial comparing once-a-week vs daily radiation therapy for locally advanced, non-metastatic, lung cancer: preliminary report. Salazar OM; Slawson RG; Poussin-Rosillo H; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 779
- radiation myelitis and survival in the radiotherapy of lung cancer. Dische S; Warburton MF; Saunders MI. *Int J Radiat Oncol Biol Phys* 1988; 15: 75
- radiotherapy and cis-diammine dichloroplatinum (II) as a combined treatment modality for inoperable non-small cell lung cancer: dose finding study. Schaae-Koning C; Bartelink H; Adema BH; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 379
- randomized study on palliative radiation therapy for inoperable non small cell carcinoma of the lung. Teo P; Tai TH; Choy D; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 867
- response of atelectasis from lung cancer to radiation therapy. Majid OA; Lee S; Khushalani S; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 231
- results of radical radiation therapy in clinical stage I, technically operable non-small cell lung cancer. Haffty BG; Goldberg NB; Gerstley J; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 69
- role of prophylactic brain irradiation in limited stage small cell lung cancer: clinical, neuropsychologic, and CT sequelae. Laukkanen E; Klonoff H; Allan B; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1109
- sequential hemibody irradiation integrated into a chemotherapy—local radiotherapy program for limited disease small cell lung cancer. Powell BL; Jackson DV Jr; Scarantino CW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1951
- simultaneous chemotherapy-radiotherapy with prophylactic cranial irradiation for inoperable adeno and large cell lung carcinoma: a Southwest Oncology Group study. Mira JG; Taylor SL; Stephens RL; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 757
- timing of elective brain irradiation: critical factor for brain metastasis-free survival in small cell lung cancer. Lee JS; Umsawadi T; Barkley HT Jr; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 697
- Lung neoplasms, therapy**
- accelerated radiotherapy followed by chemotherapy for locally recurrent small-cell carcinoma of the lung. phase II study of cancer and leukemia group B. Choi NC; Probert K; Carey R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 263
- combined chemoradiotherapy in limited-disease, inoperable non-small cell lung cancer. Umsawadi T; Valdivieso M; Barkley HT Jr; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 43
- CT-guided laser therapy in resistant human tumors: phase I clinical trials. Gatenby RA; Hartz WH; Engstrom PF; Rosenblum JS; Hammond ND; Kessler HB; Moldofsky PJ; Clair MR; Unger E; Broder GJ. *Radiology* 1987; 163: 172
- drug resistance in human lung cancer cell lines: cross-resistance studies and effects of the calcium transport blocker, verapamil. Twyman PR; Fox NE; Bleehen NM. *Int J Radiat Oncol Biol Phys* 1986; 12: 1355
- enhancement of radiation effects by alpha interferon in the treatment of small cell carcinoma of the lung. Holsti LR; Mattson K; Niiranen A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1161
- human lung tumors: SPECT quantitation of differences in Co-57 bleomycin uptake. Front D; Israel O; Iosilevsky G; Even-Sapir E; Frenkel A; Peleg H; Steiner M; Kuten A; Kolodny GM. *Radiology* 1987; 165: 129
- improved local control of thoracic disease in small cell lung cancer with higher dose thoracic irradiation and cyclic chemotherapy. Papac RJ; Son Y; Bien R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 993
- lung cancer: part II. staging and therapy. Filderman AE; Shaw C; Matthey RA. *Invest Radiol* 1986; 21: 173
- non-small cell lung cancer: how oncologists want to be treated. Mackillop WJ; O'Sullivan B; Ward GK. *Int J Radiat Oncol Biol Phys* 1987; 13: 929
- preliminary report: concurrent twice-daily radiotherapy plus platinum-etoposide chemotherapy for limited small cell lung cancer. Turrisi AT III; Glover DJ; Mason BA. *Int J Radiat Oncol Biol Phys* 1988; 15: 183
- preoperative combined modality therapy for stage III M₀ non-small cell lung carcinoma. Pincus M; Reddy S; Lee MS; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 189
- preoperative laser photodynamic therapy in combination with operation in lung cancer. (ab). Kato H; Konaka C; Ono J; et al. *Radiology* 1986; 159: 570
- preoperative treatment of squamous cell carcinoma of the lung with mitomycin-C in the bronchial artery. Ekholm SE; Dahlback O; Tylen U. *Eur J Radiol* 1986; 6: 9
- regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice. Nathanson SD; Haas GP; Bobrowski R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 243
- residual cavities of lung metastases following chemotherapy. Kier K; Godwin JD. *Comput Radiol* 1986; 10: 293
- sequential hemibody irradiation integrated into a chemotherapy—local radiotherapy program for limited disease small cell lung cancer. Powell BL; Jackson DV Jr; Scarantino CW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1951
- survival in small cell lung carcinoma after surgery. (ab). Sorensen HR; Lund C; Alstrup P. *Radiology* 1987; 162: 587
- treatment of lung cancer with bronchial artery infusion of cisplatin and intravenous sodium thiosulfate rescue. Uchiyama N; Kobayashi H; Nakajo M; et al. *Acta Oncol* 1988; 27: 57
- Lung neoplasms, US studies**
- antenatal diagnosis of pulmonary tumours: report of two cases. Avni EF; Vanderelst A; Van Gansbeke D; et al. *Pediatr Radiol* 1986; 16: 190
- ultrasonographic evaluation of pleural and chest wall invasion of lung cancer. (ab). Sugama Y; Tamaki S; Kitamura S; et al. *Radiology* 1988; 168: 884
- Lupus erythematosus**
- assessment of utero-placental blood flow velocity wave forms in a pregnant patient with systemic lupus erythematosus. Meizner I; Katz M; Press F. *JCU* 1988; 16: 55
- body computed tomography findings in systemic lupus erythematosus. Heiberg E; Wolverson MK; Sundaram M; et al. *CT* 1988; 12: 68
- cranial computed tomographic findings in patients with neurologic manifestations of systemic lupus erythematosus. Weisberg LA. *Comput Radiol* 1986; 10: 63
- CT demonstration of brain infarcts due to deep venous thrombosis in systemic lupus erythematosus. Shah ZR; Bellon EM; Toor AH; et al. *Comput Med Imag Graph* 1988; 12: 241
- identification of brain lesions in neuropsychiatric systemic lupus erythematosus by magnetic resonance scanning. (ab). McCune WJ; MacGuire A; Aisen A; et al. *Radiology* 1988; 169: 294
- interstitial pneumonitis in antineoplastic antibody-negative systemic lupus erythematosus: a new clinical manifestation and possible association with anti-RO (SS-A) antibodies. (ab). Hedgpath MT; Boulware DW. *Radiology* 1988; 169: 287
- lupus nephritis: new sonographic findings. Longmaid HE III; Rider EA; Tymkiw J. *J Ultrasound Med* 1987; 6: 75
- MR appearance of bilateral, spontaneous patellar tendon rupture in systemic lupus erythematosus. Gould ES; Taylor S; Naidich JB; et al. *JCAT* 1987; 11: 1096
- occurrence of renal tubular dysfunction in lupus nephritis. (ab). Kozeny GA; Barr W; Bansal VK; et al. *Radiology* 1987; 165: 589
- periosteal reaction in systemic lupus erythematosus. Glickstein MF; Neustadter L; Dalinka MK; et al. *Skeletal Radiol* 1986; 15: 610

shrinking lungs, diaphragmatic dysfunction, and systemic lupus erythematosus, (ab), Thompson PJ; Dhillon DP; Ledingham J; et al, *Radiology* 1986; 158: 857

solitary paraventricular calcification in cerebral lupus erythematosus: a report of two cases, Daud AB; Nuruddin RN, *Neuroradiol* 1988; 30: 84

systemic lupus erythematosus with Jaccoud's arthropathy mimicking juvenile rheumatoid arthritis, (ab), Martini A; Ravelli A; Viola S; et al, *Radiology* 1988; 167: 294

Lymphangiography See Lymphography

Lymphangioma

cavernous lymphangioma of the duodenum: case report and review of the literature, Davis M; Fenoglio-Preiser C; Haque AK, *Gastrointest Radiol* 1987; 12: 10

computed tomography of retroperitoneal cystic lymphangiomas, Munechika H; Honda M; Kushihashi T; et al, *JCAT* 1987; 11: 116

cystic lymphangioma of the jejunal mesentery in an adult, Sadola E, *JCU* 1987; 15: 542

lymphoscintigraphy: lower extremity lymphangioma, Wells RG; Ruskin JA; Sty JR, *Clin Nucl Med* 1986; 11: 523

mesenteric and omental cysts: histologic classification with imaging correlation, Ros PR; Olmsted WW; Moser RP Jr; Dachman AH; Hjermstad BH; Sobin LH, *Radiology* 1987; 164: 327

MR imaging of a lymphangioma involving the masseter muscle, Chisn R; Fabian R; Weber AL; et al, *JCAT* 1988; 12: 690

prenatal sonographic diagnosis of isolated congenital cystic hygroma, unassociated with lymphedema or other morphologic abnormality, Benacerraf BR; Frigoletto FD Jr, *J Ultrasound Med* 1987; 6: 63

sonographic evaluation of abdominal lymphangiomas in children, Blumhagen JD; Wood BJ; Rosenbaum DM, *J Ultrasound Med* 1987; 6: 487

varied sonographic appearance of cystic hygromas in utero, Rahmani MR; Fong KW; Connor TP, *J Ultrasound Med* 1986; 5: 165

Lymphangiomatosis

hepatic lymphangiomatosis: report of a case and review of the literature, (ab), Van Steenberg W; Joosten E; Marchal GJF; et al, *Radiology* 1986; 158: 857

retroperitoneal lymphangioleiomyomatosis: 36-year benign course in a postmenopausal woman, (ab), Bhattacharyya AK; Balogh K, *Radiology* 1986; 158: 858

splenic lymphangiomatosis: CT diagnosis, Pistoia F; Markowitz SK, *AJR* 1988; 150: 121

systemic lymphangiomatosis: combined diagnostic approach of lymphangiography and computed tomography, Griffin GK; Tatu WF; Fisher LM; et al, *CT* 1986; 10: 335

Lymphatic system

histology of reactive lymph nodes, (ab), van der Valk P; Meijer CJLM, *Radiology* 1988; 167: 296

lymphatic disruption following abdominal aortic surgery, Jensen SR; Voegeli DR; McDermott JC; et al, *Cardiovasc Intervent Radiol* 1986; 9: 199

number and size of normal mediastinal lymph nodes: a postmortem study, Kiyono K; Sone S; Sakai T; et al, *AJR* 1988; 150: 771

pulmonary metastatic disease: radiologic-surgical correlation, Peuchot M; Libshitz HI, *Radiology* 1987; 164: 719

pulmonary metastatic disease: radiologic-surgical correlation, Goodman LR, *Radiology* 1988; 167: 284

pulmonary metastatic disease: radiologic-surgical correlation: reply, Libshitz HI, *Radiology* 1988; 167: 284

punctate intranodal gold deposits simulating microcalcifications on mammograms, Bruwer A; Nelson GW; Spark RP, *Radiology* 1987; 163: 87

sarcoid reaction of hilar and paratracheal lymph nodes in patients treated for testicular cancer, (ab), Fossa SD; Abeler V; Marton PF; et al, *Radiology* 1986; 159: 572

Lymphatic system, abnormalities

central lymph node changes and progressive massive fibrosis in coalworkers, (ab), Seal RME; Cockcroft A; Kung I; et al, *Radiology* 1987; 162: 586

dilated abdominal paraortic lymphatic duct: a possible pitfall in retroperitoneal US, Verbanck JJ; Vermeulen JT; Rutgeerts LJ; Deputyt FG; Ghillebert GL; Segaez MF; Naessens MH, *Radiology* 1988; 167: 701

patterns of axillary lymphadenopathy demonstrated by mammography: implications for the asymptomatic woman in a breast screening programme, Hunter JW; Hunter GJ; Tucker AK, *Clin Radiol* 1987; 38: 515

Lymphatic system, angiography

serotonin-induced visualization of the popliteal lymph node by angiography: unique microvascular response to serotonin, Orlandi C; Blackshear JL; Hollenberg NK, *Invest Radiol* 1986; 21: 201

Lymphatic system, biopsy

coaxial technique for CT-guided biopsy of deep retroperitoneal lymph nodes, Jeffrey RB Jr, *Gastrointest Radiol* 1988; 13: 271

fine-needle aspiration biopsy of patients with the acquired immunodeficiency syndrome (AIDS): experience in an outpatient clinic, (ab), Bottles K; McPhaul LW; Volberding P, *Radiology* 1988; 168: 592

hilar masses: evaluation with CT-guided biopsy after negative bronchoscopic examination, Sider L; Davis TM Jr, *Radiology* 1987; 164: 107

thoracic duct cyst: diagnosis with needle aspiration, Moretini LB; Allen TE, *Radiology* 1986; 161: 437

Lymphatic system, calcification

calcification in untreated mediastinal lymphoma, Panicek DM; Hartly MP; Scutella CJ; Carsky EW, *Radiology* 1988; 166: 735

CT demonstration of calcified mediastinal lymph nodes: guide to the new ATS classification, Glazer HS; Aronberg DJ; Sagel SS; et al, *AJR* 1986; 147: 17

lymph-node calcification in Lennert's lymphoma, Williams MP; Cherryman GR, *Br J Radiol* 1987; 60: 1131

punctate intranodal gold deposits simulating microcalcifications on mammograms, Bruwer A; Nelson GW; Spark RP, *Radiology* 1987; 163: 87

Lymphatic system, CT

abdominal lymphadenopathy in benign diseases: CT detection, Deutch SJ; Sandler MA; Alpern MB, *Radiology* 1987; 163: 335

benign lymphoepithelial parotid cysts and hyperplastic cervical adenopathy in AIDS-risk patients: a new CT appearance, Holliday RA; Cohen WA; Schinella RA; Rothstein SG; Persky MS; Jacobs JM; Som PM, *Radiology* 1988; 168: 439

bronchogenic carcinoma metastatic to normal-sized lymph nodes: frequency and significance, Gross BH; Glazer GM; Orringer MB; Spitznary DL; Flint A, *Radiology* 1988; 166: 71

cardiophrenic angle adenopathy: update of causes and significance, Vock P; Hodler J, *Radiology* 1986; 159: 395

computed tomography of cervical lymph nodes: staging and management of head and neck cancer, (ab), Stevens MH; Harnsberger HR; Mancuso AA; et al, *Radiology* 1986; 161: 287

computed tomography of mediastinal lymph nodes in nonsmall cell lung cancer: a new approach based on the lymphatic pathway of tumor spread, Buy J-N; Ghossain MA; Poirson F; et al, *JCAT* 1988; 12: 545

computed tomography of the cranio-cervical lymphatic system: anatomical and functional considerations, Jinks JR, *Neuroradiol* 1987; 29: 317

CT appearance of impaired lymphatic drainage in liver transplants, Marincek B; Barbier PA; Becker CD; et al, *AJR* 1986; 147: 519

CT demonstration of calcified mediastinal lymph nodes: guide to the new ATS classification, Glazer HS; Aronberg DJ; Sagel SS; et al, *AJR* 1986; 147: 17

CT detection of calcified nodal metastases of lung adenocarcinoma, Austin JHM; Grimes MM; Carberry D, *JCAT* 1988; 12: 314

CT diagnosis of traumatic rupture of the cisternal chyl, Watanabe AT; Jeffrey RB Jr, *JCAT* 1987; 11: 175

CT evaluation of mediastinal lymph nodes in lung cancer: influence of the lobar site of the primary neoplasm, Platt JF; Glazer GM; Gross BH; et al, *AJR* 1987; 149: 683

CT evaluation of mediastinal lymph nodes in primary Sjögren syndrome, Andonopoulos AP; Karadanas AH; Drosos AA; et al, *JCAT* 1988; 12: 199

CT findings in visceral leishmaniasis mimicking lymphoma, Cohen D; Fields S, *Comput Med Imag Graph* 1988; 12: 325

CT of interpectoral lymph nodes, Holbert BL; Holbert JM; Libshitz HI, *AJR* 1987; 149: 687

detection of mesenteric involvement in sarcoidosis using computed tomography, Sekouk FA; Haddad MC, *Br J Radiol* 1987; 60: 1135

diagnostic approach to pulmonary lymphangioleiomyomatosis: case report, Bertolani M; Romagnoli R; Barbolini G, *Eur J Radiol* 1987; 7: 60

hepatic perivascular lymphedema: CT appearance, Koslin DB; Stanley RJ; Berland LL; et al, *AJR* 1988; 150: 111

hepatocellular carcinoma: metastatic abdominal lymph nodes identified by computed tomography, Araki T; Hihara T; Karikomi M; et al, *Gastrointest Radiol* 1988; 13: 247

inferior pulmonary ligament lymphadenopathy: demonstration by computed tomography, Cross G; Woodring JH, *CT* 1987; 11: 303

influence of section spacing on reliability of abdominal computed tomography in early stage non-seminomatous testicular tumor, Lien HH; Stenwig AE; Ous S; et al, *Acta Radiol* 1987; 28: 169

internal mammary lymphadenopathy in breast carcinoma: CT appraisal of anatomic distribution, Scatarige JC; Fishman EK; Zinreich ES; Brem RF; Almaraz R, *Radiology* 1988; 167: 89

left gastric and coeliac lymph nodes: a problem area for CT: staging of carcinoma of the gastro-oesophageal junction, Lee WB, *Australas Radiol* 1988; 32: 230

lymph nodes of the neck, Som PM, *Radiology* 1987; 165: 593

mediastinal lymph node detection and sizing at CT and autopsy, Quint LE; Glazer GM; Orringer MB; et al, *AJR* 1986; 147: 469

paracardiac adenopathy: CT evaluation, Sussman SK; Halvorsen RA Jr; Silverman PM; et al, *AJR* 1987; 149: 29

shape of retroperitoneal lymph nodes at computed tomography does not correlate to metastatic disease in early stage non-seminomatous testicular tumors, Lien HH; Lindsökd L; Stenwig AE; et al, *Acta Radiol* 1987; 28: 271

superior diaphragmatic lymph nodes: CT assessment, Aronberg DJ; Peterson RR; Glazer HS; et al, *JCAT* 1986; 10: 937

systemic lymphangiomatosis: combined diagnostic approach of lymphangiography and computed tomography, Griffin GK; Tatu WF; Fisher LM; et al, *CT* 1986; 10: 335

ultrasonography in evaluation of lymph nodes of the neck: reply, Som PM, *Radiology* 1988; 167: 877

ultrasonography in evaluation of lymph nodes of the neck, Jackson FI, *Radiology* 1988; 167: 877

value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions, (ab), Feigen M; Crocker EF; Reid J; et al, *Radiology* 1988; 167: 294

widespread Castleman disease: CT and US findings, Libson E; Fields S; Strauss S; Bloom RA; Okon E; Galun E; Pollack A, *Radiology* 1988; 166: 753

Lymphatic system, cysts

thoracic duct cyst: diagnosis with needle aspiration, Moretini LB; Allen TE, *Radiology* 1986; 161: 437

Lymphatic system, diseases

abdominal lymphadenopathy in benign diseases: CT detection, Deutch SJ; Sandler MA; Alpern MB, *Radiology* 1987; 163: 335

accuracy of the plain radiograph in the detection of aortopulmonary lymphadenopathy, Müller NL; Nichols DM, *J Canad Assoc Radiol* 1987; 38: 82

angiioimmunoblastic lymphadenopathy with dysproteinemia, (ab), Steinberg AD; Seldin MF; Smith HR; et al, *Radiology* 1988; 169: 591

case of the month: expanding infant, Peck RJ, *Br J Radiol* 1988; 61: 855

- CT appearance of coronary aneurysm in Kawasaki disease, Laurent F; Drouillard J; Dorcier F; et al, *JCAT* 1987; 11: 151
- diarrhea, weight loss, and lymphadenopathy in a 50-year-old man, Smith HJ; Dunnagan SA; Feldman M; et al, *Invest Radiol* 1986; 21: 808
- indium-111 leukocyte scanning localization for detecting early myocarditis in Kawasaki disease, Williamson MR; Williamson SL; Seibert JJ, *AJR* 1986; 146: 255
- inflammatory pseudotumor of lymph nodes: a distinctive pattern of nodal reaction, (ab), Perrone T; De Wolf-Peters C; Frizzera G, *Radiology* 1988; 169: 592
- inguinal lymphadenopathy simulating a false aneurysm on color-flow Doppler sonography, Morton MJ; Charboneau JW; Banks PM, *AJR* 1988; 151: 115
- lymphadenopathy in chronic active hepatitis: CT observations, Gore RM; Vogelzang RL; Nemcek AA Jr, *AJR* 1988; 151: 75
- lymph nodes of the neck, Som PM, *Radiology* 1987; 165: 593
- lymph nodes of the neck: evaluation with US, Hajek PC; Salomonowitz E; Turk R; Tscholakoff D; Kumpan W; Czemberek H, *Radiology* 1986; 158: 739
- mediastinal tuberculous lymphadenitis: CT manifestations, Im J-G; Song KS; Kang HS; Park JH; Yeon KM; Han MC; Kim C-W, *Radiology* 1987; 164: 115
- paracardiac adenopathy: CT evaluation, Sussman SK; Halvorsen RA Jr; Silverman PM; et al, *AJR* 1987; 149: 29
- sonography of intestinal lymphangiectasia, Dorne HL; Jequier S, *J Ultrasound Med* 1986; 5: 13
- superior diaphragmatic lymph nodes: CT assessment, Aronberg DJ; Peterson RR; Glazer HS; et al, *JCAT* 1986; 10: 937
- ultrasonography in evaluation of lymph nodes of the neck: reply, Som PM, *Radiology* 1988; 167: 877
- ultrasonography in evaluation of lymph nodes of the neck, Jackson FI, *Radiology* 1988; 167: 877
- "wet-suit" appearance of angioimmunoblastic lymphadenopathy on gallium scan, Norris FS, *Clin Nucl Med* 1987; 12: 401
- Lymphatic system, flow dynamics**
- dynamic lymph flow imaging in lymphedema: normal and abnormal patterns, Nawaz K; Hamad MM; Sadek S; et al, *Clin Nucl Med* 1986; 11: 653
- lymph nodes of the neck, Som PM, *Radiology* 1987; 165: 593
- ultrasonography in evaluation of lymph nodes of the neck: reply, Som PM, *Radiology* 1988; 167: 877
- ultrasonography in evaluation of lymph nodes of the neck, Jackson FI, *Radiology* 1988; 167: 877
- upper lobe lung disease: physiologic correlates, review, Gurney JW; Schroeder BA, *Radiology* 1988; 167: 359
- Lymphatic system, hyperplasia**
- angiofollicular lymph node hyperplasia (Castleman's disease) associated with vertebral destruction, (ab), Stokes SH; Griffith RC; Thomas PRM, *Radiology* 1986; 158: 570
- benign lymphoepithelial parotid cysts and hyperplastic cervical adenopathy in AIDS-risk patients: a new CT appearance, Holliday RA; Cohen WA; Schinella RA; Rothstein SG; Persky MS; Jacobs JM; Som PM, *Radiology* 1988; 168: 439
- colonic lymphoid follicles associated with colonic neoplasms, Glick SN; Teplitz SK; Ross WM, *Radiology* 1988; 168: 603
- widespread Castleman disease: CT and US findings, Libson E; Fields S; Strauss S; Bloom RA; Okon E; Galun E; Pollack A, *Radiology* 1988; 166: 753
- Lymphatic system, interventional procedure**
- percutaneous drainage of pelvic lymphatic fluid collections in the renal transplant patient, Cohan RH; Saeed M; Sussman SK; et al, *Invest Radiol* 1987; 22: 864
- percutaneous management of lymphatic fluid collections, Jensen SR; Voegeli DR; McDermott JC; et al, *Cardiovasc Intervent Radiol* 1986; 9: 202
- Lymphatic system, MR studies**
- breast and axillary tissue MR imaging: correlation of signal intensities and relaxation times with pathologic findings, Wiener JI; Chako AC; Merten CW; Gross S; Coffey EL; Stein HL, *Radiology* 1986; 160: 299
- lymph nodes of the neck, Som PM, *Radiology* 1987; 165: 593
- magnetic resonance imaging of retroperitoneal lymphadenopathy, Dunlap HJ; Poon PY; Henkelman RM; et al, *J Canad Assoc Radiol* 1987; 38: 75
- malignant lymph node diseases, diagnosis with MRI in comparison with other imaging modalities, (ab), Steinbrich W; Beyer D; Modder U, *Radiology* 1986; 158: 287
- mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Glazer GM; Orringer MB; Chenevert TL; Borrello JA; Penner MW; Quint LE; Li KC; Aisen AM, *Radiology* 1988; 168: 429
- MR characteristics of benign lymph node enlargement in sarcoidosis and Castleman's disease, de Geer G; Webb WR; Solitto R; et al, *Eur J Radiol* 1986; 6: 145
- pitfall in MR imaging of lymphadenopathy after lymphangiography, Buckwalter KA; Ellis JH; Baker DE; Borello JA; Glazer GM, *Radiology* 1986; 161: 831
- ultrasonography in evaluation of lymph nodes of the neck: reply, Som PM, *Radiology* 1988; 167: 877
- ultrasonography in evaluation of lymph nodes of the neck, Jackson FI, *Radiology* 1988; 167: 877
- Lymphatic system, neoplasms**
- accuracy of the plain radiograph in the detection of aortopulmonary lymphadenopathy, Müller NL; Nichols DM, *J Canad Assoc Radiol* 1987; 38: 82
- attempt to characterize malignant lymphoma in spleen, liver and lymph nodes with magnetic resonance imaging, Nyman R; Rhen S; Ericsson A; et al, *Acta Radiol* 1987; 28: 527
- axillary lymph node metastases in breast cancer: preoperative detection with US, Bruneton JN; Caramella E; Hery M; Aubanel D; Manzoni JJ; Picard JL, *Radiology* 1986; 158: 325
- breast cancer metastasis to intramammary lymph nodes, Lindfors KK; Kopans DB; McCarthy KA; et al, *AJR* 1986; 146: 133
- cardiophrenic angle adenopathy: update of causes and significance, Vock P; Hodler J, *Radiology* 1986; 159: 395
- cervical Castleman disease: CT study with angiographic correlation, Koslin DB; Berland LL; Sekar BC, *Radiology* 1986; 160: 213
- computed tomography of cervical lymph nodes: staging and management of head and neck cancer, (ab), Stevens MH; Harnsberger HR; Mancuso AA; et al, *Radiology* 1986; 161: 287
- CT detection of calcified nodal metastases of lung adenocarcinoma, Austin JHM; Grimes MM; Carberry D, *JCAT* 1988; 12: 314
- hepatocellular carcinoma: metastatic abdominal lymph nodes identified by computed tomography, Araki T; Hihara T; Karikomi M; et al, *Gastrointest Radiol* 1988; 13: 247
- histology of reactive lymph nodes, (ab), van der Valk P; Meijer CJLM, *Radiology* 1988; 167: 296
- hyperdense pelvic and inguinal lymph nodes, Simpson EL; Coleman BG; Arger PH; et al, *CT* 1988; 12: 45
- imaging prostate carcinoma, Hricak H, *Radiology* 1988; 169: 569
- inferior pulmonary ligament lymphadenopathy: demonstration by computed tomography, Cross G; Woodring JH, *CT* 1987; 11: 303
- influence of pelvic lymph node disease on survival for stage I and II carcinoma of the cervix, Alcock CJ; Toplis PJ, *Clin Radiol* 1987; 38: 13
- internal mammary lymphadenopathy in breast carcinoma: CT appraisal of anatomic distribution, Scatarige JC; Fishman EK; Zinreich ES; Brem RF; Almaraz R, *Radiology* 1988; 167: 89
- lymph nodes of the neck, Som PM, *Radiology* 1987; 165: 593
- lymph nodes of the neck: evaluation with US, Hajek PC; Salomonowitz E; Turk R; Tscholakoff D; Kumpan W; Czemberek H, *Radiology* 1986; 158: 739
- lymphomatous superficial lymph nodes: US detection, Bruneton J-N; Normand F; Balu-Maestro C; Kerboul P; Santini N; Thyss A; Schneider M, *Radiology* 1987; 165: 233
- magnetic resonance imaging of retroperitoneal lymphadenopathy, Dunlap HJ; Poon PY; Henkelman RM; et al, *J Canad Assoc Radiol* 1987; 38: 75
- malignant lymph node diseases, diagnosis with MRI in comparison with other imaging modalities, (ab), Steinbrich W; Beyer D; Modder U, *Radiology* 1986; 158: 287
- mediastinal lymph node detection and sizing at CT and autopsy, Quint LE; Glazer GM; Orringer MB; et al, *AJR* 1986; 147: 469
- mediastinal lymph node metastases from gastrointestinal carcinoma, (ab), Libson E; Bloom RA; Halperin J; et al, *Radiology* 1987; 164: 881
- mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Glazer GM; Orringer MB; Chenevert TL; Borrello JA; Penner MW; Quint LE; Li KC; Aisen AM, *Radiology* 1988; 168: 429
- metastases in small lymph nodes from colon cancer, (ab), Herrera-Ornelas L; Justiniano J; Castillo N; et al, *Radiology* 1988; 167: 290
- osteosarcoma with calcific mediastinal lymphadenopathy, van Zanten TEG; Golding RP; Taets ven Amerongen AHM, *Pediatr Radiol* 1987; 17: 258
- prognostic significance of lymph node involvement in pyriform sinus and supraglottic cancers, Hahn SS; Spaulding CA; Kim J-A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1143
- prostatic carcinoma: staging with MR imaging at 1.5 T, Bezzi M; Kressel HY; Allen KS; Schiebler ML; Altman HG; Wein AJ; Pollack HM, *Radiology* 1988; 169: 339
- pulmonary lymphangitic spread of carcinoma: appearance on CT scans, Stein GM; Mayo J; Müller NL; Aberle DR; Webb WR; Gamsu G, *Radiology* 1987; 162: 371
- radiation therapy of periaortic node metastases in cancer of the uterine cervix and endometrium, Potish RA, *Radiology* 1987; 165: 567
- radiologic evaluation of the subcarinal lymph nodes: a comparative study, Platt JF; Glazer GM; Orringer MB; et al, *AJR* 1988; 151: 279
- regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice, Nathanson SD; Haas GP; Bobrowski R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 243
- shape of retroperitoneal lymph nodes at computed tomography does not correlate to metastatic disease in early stage non-seminomatous testicular tumors, Lien HH; Lindsköld L; Stenwig AE; et al, *Acta Radiol* 1987; 28: 271
- small arteries in peripheral lymph nodes: a specific US sign of lymphomatous involvement, Majer MK; Hess CF; Köbel G; Schmiedl U, *Radiology* 1988; 168: 241
- transmission block to simplify combined pelvic and inguinal radiation therapy, Kalnicki S; Zide A; Maleki N; DeWyngeart JK; Lipsztein R; Dalton JF; Bloomer WD, *Radiology* 1987; 164: 578
- ultrasonography in evaluation of lymph nodes of the neck: reply, Som PM, *Radiology* 1988; 167: 877
- ultrasonic detection of lymph node metastases in the region around the celiac axis in esophageal and gastric cancer, (ab), Yoshinaka H; Nishi M; Kajisa T; et al, *Radiology* 1986; 158: 567
- ultrasonic evaluation of cervical metastatic lymphadenopathy, Sakai F; Kiyono K; Sone S; et al, *J Ultrasound Med* 1988; 7: 305
- ultrasonography in evaluation of lymph nodes of the neck, Jackson FI, *Radiology* 1988; 167: 877
- value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions, (ab), Feigen M; Crocker EF; Reid J; et al, *Radiology* 1988; 167: 294
- Lymphatic system, radionuclide studies**
- comparison as a lymphoscintigraphic agent between technetium 99m dextran and technetium 99m antimony sulphide colloid, (ab), Juma N; Andruy T; Ege GN, *Radiology* 1986; 158: 288

dynamic lymph flow imaging in lymphedema: normal and abnormal patterns, Nawaz K; Hamad MM; Sadek S; et al. *Clin Nucl Med* 1986; 11: 633

imaging of lymph node uptake after intravenous administration of indium-111 metalloporphyrins, Robinson GD Jr; Alavi A; Vaum R; et al. *J Nucl Med* 1986; 27: 239

immunolymphoscintigraphy in patients with lymphoma after subcutaneous injection of indium-111-labeled T101 monoclonal antibody, Keenan AM; Weinstein JN; Mulshine JL; et al. *J Nucl Med* 1987; 28: 42

internal mammary lymphoscintigraphy in the conservative management of breast carcinoma: update and recommendations for the new TNM staging, (ab), Ege GN; Clark RM, *Radiology* 1986; 158: 566

kinetics of interstitially administered monoclonal antibodies for purposes of lymphoscintigraphy, Wahl RL; Gatti O; Liebert M; et al. *J Nucl Med* 1987; 28: 1736

lymphedema: evaluation of qualitative and quantitative lymphoscintigraphy in 238 patients, Weissleder H; Weissleder R, *Radiology* 1988; 167: 729

lymphoscintigraphic studies of lymphatic drainage from the testes, Yeh SDJ; Morse MJ; Grandt R; et al. *Clin Nucl Med* 1986; 11: 823

lymphoscintigraphy: chylous ascites and lymphocele demonstration, Gregg DC; Wells RG; Sty JR, *Clin Nucl Med* 1988; 13: 300

lymphoscintigraphy in lymphedema: aid to microsurgery, Vaquero M; Gliviczi P; Fisher J; et al. *J Nucl Med* 1986; 27: 1125

lymphoscintigraphy in patients with lymphedema: new approach using intradermal injections of technetium-99m human serum albumin, Ohtake E; Matsui K, *Clin Nucl Med* 1986; 11: 474

lymphoscintigraphy: lower extremity lymphangioma, Wells RG; Ruskin JA; Sty JR, *Clin Nucl Med* 1986; 11: 523

phase I immunolymphoscintigraphy with an In-111-labeled antitumor monoclonal antibody, Engelstad BL; Spitzer LE; Del Rio MJ; Ramos EC; Rosendorf LL; Reinhold CE; Khenigan A; Huberty JP; Corpuz SW; Lee HM; Okerlund MD; Hattner RS; Scannon PJ, *Radiology* 1986; 161: 419

preliminary studies of monoclonal antibody lymphoscintigraphy in malignant melanoma, Nelp WB; Eary JF; Jones RF; et al. *J Nucl Med* 1987; 28: 34

prognostic value of axillary lymphoscintigraphy in breast carcinoma patients, McLean RG; Ege GN, *J Nucl Med* 1986; 27: 1116

radiotherapy treatment planning using lymphoscintigraphy, Jones D; Hanelin L; Christopherson D; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1707

serendipitous lymph node visualization during bone imaging, Vieras F, *Clin Nucl Med* 1986; 11: 434

thoracic duct malformations: lymphoscintigraphic diagnoses, Lopez OL; Rodriguez-Maisano E; Deleaux JL, *Clin Nucl Med* 1986; 11: 479

three-dimensional internal mammary lymphoscintigraphy: implications for radiation therapy treatment planning for breast carcinoma, Recht A; Siddon RL; Kaplan WD; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 477

three-dimensional localization of internal mammary lymph nodes by radionuclide lymphoscintigraphy, Kaplan WD; Andersen JW; Siddon RL; et al. *J Nucl Med* 1988; 29: 473

value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions, (ab), Feigen M; Crocker EF; Reid J; et al. *Radiology* 1988; 167: 294

"wet-suit" appearance of angioimmunoblastic lymphadenopathy on gallium scan, Norris FS, *Clin Nucl Med* 1987; 12: 401

Lymphatic system, therapeutic radiology
accelerated irradiation of cervical node metastases, Nguyen TD; Froisart D; Panis X, *Radiology* 1987; 163: 815

effectiveness of treatment of lymph nodes in cancers of the pyriform sinus and supraglottis, Spaulding CA; Hahn SS; Constable WC, *Int J Radiat Oncol Biol Phys* 1987; 13: 963

evaluation of fast neutron irradiation in the treatment of squamous cell carcinoma in cervical lymph nodes, Duncan W; Orr JA; Arnott SJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1793

high dose para-aortic lymph node irradiation for gynecologic cancer: technique, toxicity, and results, Russell AH; Jones DC; Russell KJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 267

low-dose-rate total lymphoid irradiation: a new method of rapid immunosuppression, Blum JE; De Silva SM; Drachman DB; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 547

radiation therapy of intrathoracic paraaortic lymph node metastases: three-dimensional treatment planning, Nemeth G; Schlegel W, *Acta Oncol* 1987; 26: 203

radiation therapy of periaortic node metastases in cancer of the uterine cervix and endometrium, Potish RA, *Radiology* 1987; 165: 567

total lymphoid irradiation for multiple sclerosis, Devereux CK; Vidaver R; Hafstein MP; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 197

transmission block to simplify combined pelvic and inguinal radiation therapy, Kalnicki S; Zide A; Maleki N; DeWyngaert JK; Lipsztein R; Dalton JF; Bloomer WD, *Radiology* 1987; 164: 578

Lymphatic system, US studies
axillary lymph node metastases in breast cancer: preoperative detection with US, Bruneton JN; Caramella E; Hery M; Aubanel D; Manzino JJ; Picard JL, *Radiology* 1986; 158: 325

changes in peripheral lymph nodes as seen via sonography, (ab), Brockmann WP; Maas R; Voigt H; et al. *Radiology* 1986; 158: 863

dilated abdominal paraaortic lymphatic duct: a possible pitfall in retroperitoneal US, Verbanck J; Vermeulen JT; Rutgeerts LJ; Dupuyt RG; Ghillebert GL; Segars MF; Naessens MH, *Radiology* 1988; 167: 701

inguinal lymphadenopathy simulating a false aneurysm on color-flow Doppler sonography, Morton MJ; Charboneau JW; Banks PM, *AJR* 1988; 151: 115

lymph nodes of the neck: evaluation with US, Hajek PC; Salomonowitz E; Turk R; Tscholakoff D; Kumpun W; Czembirek H, *Radiology* 1986; 158: 739

lymphomatous superficial lymph nodes: US detection, Bruneton J-N; Normand F; Balu-Maestro C; Kerboul P; Santini N; Thyse A; Schneider M, *Radiology* 1987; 165: 233

small arteries in peripheral lymph nodes: a specific US sign of lymphomatous involvement, Majer MC; Hess CF; Kölbel G; Schmiedl U, *Radiology* 1988; 168: 241

ultrasonic detection of lymph node metastases in the region around the celiac axis in esophageal and gastric cancer, (ab), Yoshinaka H; Nishi M; Kajisa T; et al. *Radiology* 1986; 158: 567

ultrasound examination in diffuse liver disease: clinical significance of enlarged lymph nodes in the hepato-duodenal ligament, Forsberg L; Florén CH; Hederström E; et al. *Acta Radiol* 1987; 28: 281

widespread Castleman disease: CT and US findings, Libson E; Fields S; Strauss S; Bloom RA; Okon E; Galun E; Pollack A, *Radiology* 1988; 166: 753

Lymphedema
arm lymphedema in patients treated conservatively for breast cancer: relationship to patient age and axillary node dissection technique, Pezner RD; Patterson MP; Hill LR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2079

dynamic lymph flow imaging in lymphedema: normal and abnormal patterns, Nawaz K; Hamad MM; Sadek S; et al. *Clin Nucl Med* 1986; 11: 633

hepatic perivascular lymphedema: CT appearance, Koslin DB; Stanley RJ; Berland LL; et al. *AJR* 1988; 150: 111

lymphedema: evaluation of qualitative and quantitative lymphoscintigraphy in 238 patients, Weissleder H; Weissleder R, *Radiology* 1988; 167: 729

lymphoscintigraphic studies of lymphatic drainage from the testes, Yeh SDJ; Morse MJ; Grandt R; et al. *Clin Nucl Med* 1986; 11: 823

lymphoscintigraphy in lymphedema: aid to microsurgery, Vaquero M; Gliviczi P; Fisher J; et al. *J Nucl Med* 1986; 27: 1125

lymphoscintigraphy in patients with lymphedema: new approach using intradermal injections of technetium-99m human serum albumin, Ohtake E; Matsui K, *Clin Nucl Med* 1986; 11: 474

Lymph nodes
See Lymphatic system

Lymphocele

lymphoceles: imaging characteristics and percutaneous management, vanSonnenberg E; Wittich GR; Casola G; Wing VW; Halasz NA; Lee AS; Withers C, *Radiology* 1986; 161: 593

lymphoscintigraphy: chylous ascites and lymphocele demonstration, Gregg DC; Wells RG; Sty JR, *Clin Nucl Med* 1988; 13: 300

parapelvic lymph cyst in a renal allograft mimicking hydronephrosis: CT diagnosis, Ehrman KO; Kopecky KK; Wass JL; et al. *JCAT* 1987; 11: 714

percutaneous drainage of pelvic lymphatic fluid collections in the renal transplant patient, Cohen RH; Saeed M; Sussman SK; et al. *Invest Radiol* 1987; 22: 864

percutaneous management of lymphatic fluid collections, Jensen SR; Voegelé DR; McDermott JC; et al. *Cardiovasc Intervent Radiol* 1986; 9: 202

subcutaneous lymphocele following trauma to the thoracic duct, Saibil EA; Howard BA; McKee JD; et al. *J Canad Assoc Radiol* 1986; 37: 213

Lymphocytes

behavior of autologous indium-114m-labeled lymphocytes in patients with lymphoid cell malignancy, Hamilton D; Cowan RA; Sharma HL; et al. *J Nucl Med* 1988; 29: 485

changes in helper and suppressor T lymphocytes following radiotherapy for breast cancer, Newman GH; Rees GJ; Jones RSJ; et al. *Clin Radiol* 1987; 38: 191

changes of the blood lymphocyte population following ¹³¹I treatment for nodular goiter, Blomgren H; Pettrini B; Wasserman J; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 209

monoclonal small (well-differentiated) lymphocytic proliferations of the gastrointestinal tract resembling lymphoid hyperplasia: a neoplasm of uncertain malignant potential, (ab), Burke JS; Sheibani K; Nathwani BN; et al. *Radiology* 1988; 167: 882

technetium-99m-labeled lymphocytes: radiotoxicity study, Merz T; Tatum J; Hirsch J, *J Nucl Med* 1986; 27: 105

toxicity of indium-111 on the radiolabeled lymphocyte, Balaban EP; Simon TR; Frenkel EP, *J Nucl Med* 1987; 28: 229

Lymphography

computed tomography and lymphography in the presurgical staging of early carcinoma of the uterine cervix, (ab), Vercaemmer J; Janansens J; Usewils R; et al. *Radiology* 1988; 167: 293

influence of computed tomography scanning and lymphography on the management of testicular germ-cell tumours, Taylor RE; Duncan W; Best JJK, *Clin Radiol* 1986; 37: 539

lymphangiography and CT in the follow-up of patients with lymphoma, Pera A; Capek M; Shirkhoda A, *Radiology* 1987; 164: 631

lymphographic findings in prostatic carcinoma with distant metastases, (ab), Veronesi A; Figoli F; Tirelli U; et al. *Radiology* 1987; 162: 292

lymphography and abdominal computed tomography in the staging of non-Hodgkin lymphoma: with an analysis of discrepancies, Strijk SP, *Acta Radiol* 1987; 28: 263

pitfall in MR imaging of lymphadenopathy after lymphangiography, Buckwalter KA; Ellis JH; Baker DE; Borello JA; Glazer GM, *Radiology* 1986; 161: 831

Lymphography

role of lymphography in the staging and treatment of ovarian dysgerminoma: report on 27 cases, Santoni R; Villari N; Bisin L; et al, *Acta Oncol* 1987; 26: 23

staging of prostatic carcinoma with radionuclide bone scintigraphy and lymphography, Hayward SJ; McIvor J; Burdge AH; et al, *Br J Radiol* 1987; 60: 79

systemic lymphangiomatosis: combined diagnostic approach of lymphangiography and computed tomography, Griffin GK; Tatu WF; Fisher LM; et al, *CT* 1986; 10: 335

value of lymphography in the management of carcinoma of the cervix, Smales E; Perry CM; MacDonald JS; et al, *Clin Radiol* 1986; 37: 19

Lymphography, technology

fluorescein labeling of lymphatic vessels for lymphangiography, Cooper SG; Maitem AN; Richman AH, *Radiology* 1988; 167: 559

Lymphoma

See also Hodgkin disease

AIDS-related Kaposi sarcoma and lymphomas, Nyberg DA; Federle MP; Semin Roentgenol 1987; 22: 54

atypical intrathoracic manifestations of Burkitt's lymphoma, Nzeh DA, *Pediatr Radiol* 1988; 18: 411

cardiophrenic angle adenopathy: update of causes and significance, Vock P; Hodler J, *Radiology* 1986; 159: 395

case report 409, Samuels TS; Howard BA; Rubenstein JD; et al, *Skeletal Radiol* 1987; 16: 78

case report 487, Genes BM; Zirilli VL; Schlesinger AE; et al, *Skeletal Radiol* 1988; 17: 306

cerebellopontine angle lymphoma, Yang PJ; Seeger JF; Carmody RF; et al, *AJNR* 1987; 8: 368

chest radiographic abnormalities in Lennert's lymphoma, Newell JD; Grogan TM; Pond GD, *J Thorac Imag* 1988; 3-1: 67

chest radiography and computed tomography in the evaluation of mediastinal adenopathy in lymphoma, Suen O; Kivisaari L; Standertskjöld-Nordenstam C-G; et al, *Acta Radiol* 1987; 28: 747

circumferential para-aortic masses: computed tomographic observations, Chisholm RA; Coltart KS; Cooper P; et al, *Clin Radiol* 1986; 37: 531

clinico-radiologic-pathologic conference: an elderly man with bilateral lung disease, Müller NL; Guerry-Force ML; Lawson L; et al, *J Canad Assoc Radiol* 1987; 38: 219

computed tomography in the evaluation of lymphoma of the uterine cervix, Miketic LM; Carroll R; Harris NL; et al, *CT* 1988; 12: 154

CT appearance of primary pancreatic lymphoma, Teeley SA; Stephens DH; Sheedy PF II, *Gastrointest Radiol* 1986; 11: 41

CT characteristics of a hyperdense renal mass due to Richter syndrome, Olson M; Posniak H, *JCAT* 1988; 12: 669

CT of intracranial lymphoma, Weingarten KL; Zimmerman RD, *Semin US CT MR* 1986; 7: 9

CT of peritoneal lymphomatosis, Lynch MA; Cho KC; Jeffrey RB Jr; et al, *AJR* 1988; 151: 713

CT of the axilla: normal anatomy and pathology, Fishman EK; Zinreich ES; Jacobs CG; Rostock RA; Siegelman SS, *Radiographics* 1986; 6: 475

cutaneous malignant lymphoma, Esche BA; Fitzpatrick PJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2111

diffuse lymphomatous polyposis of the gastrointestinal tract: case report with immunohistochemical studies, (ab), Fernandes BJ; Amato D; Goldfinger M, *Radiology* 1986; 158: 568

endobronchial involvement with non-Hodgkin's lymphoma: clinical-radiologic analysis, (ab), Rose RM; Grigas D; Stratemeir E; et al, *Radiology* 1986; 161: 574

extranodal lymphoma of the head and neck: review of 49 consecutive cases, (ab), McGurk M; Goepel JR; Hancock BW, *Radiology* 1986; 158: 861

extranodal non-Hodgkin's lymphoma in rare sites, Robinson BW; Benjamin CS, *Australas Radiol* 1987; 31: 418

foraminal expansion by malignant retroorbital lymphoma: CT findings, Arnold AC; La Masters DL, *JCAT* 1987; 11: 730

gastrointestinal lymphoma: role of CT in diagnosis and management, Megibow AJ, *Semin US CT MR* 1986; 7: 43

gastrointestinal non-Hodgkin's lymphoma, Makepeace AR; Fernmont DC; Bennett MH, *Clin Radiol* 1987; 38: 609

high ¹⁸F-FDG uptake in primary cerebral lymphoma: a PET study, Kuwabara Y; Ichiiya Y; Otsuka M; et al, *JCAT* 1988; 12: 47

hypertrophic osteoarthropathy and primary intestinal lymphoma, Bloom RA; Assaf Y; Verstandig A; et al, *Gastrointest Radiol* 1986; 11: 185

increased sensitivity of magnetic resonance imaging compared to radionuclide bone scintigraphy in the detection of lymphoma of the spine, Weaver GR; Sandler MP, *Clin Nucl Med* 1987; 12: 333

intrathoracic manifestations of lymphoma, Khan A; Herman PG, *Semin US CT MR* 1986; 7: 18

limbic lymphoma, Arasaki K; Kwee IL; Nakada T, *Neuroradiol* 1987; 29: 389

long survival of primary cerebral lymphoma with progressive radiation necrosis, (ab), Merchut MP; Haberland C; Naheedy MH; et al, *Radiology* 1986; 158: 571

lung cancer following treatment for lymphoma, (ab), Abernathy D; Beltran G; Stuckey WJ, *Radiology* 1987; 162: 885

lymphangiography and CT in the follow-up of patients with lymphoma, Pera A; Capek M; Shirkhoda A, *Radiology* 1987; 164: 631

lymph-node calcification in Lennert's lymphoma, Williams MP; Cherryman GR, *Br J Radiol* 1987; 60: 1131

lymphoma: evaluation with Ga-67 SPECT, Tumeah SS; Rosenthal DS; Kaplan WD; English RJ; Holman BL, *Radiology* 1987; 164: 111

lymphomas of the head and neck: CT findings at initial presentation, Lee Y-Y; Van Tassel P; Nauter C; et al, *AJNR* 1987; 8: 665

magnetic resonance imaging of the bone marrow in patients with leukemia, aplastic anemia, and lymphoma, Olson DO; Shields AF; Scheurich CJ; et al, *Invest Radiol* 1986; 21: 540

malignant lymphoma in Hashimoto thyroiditis: CT appearance, Ginaldi S, *JCAT* 1986; 10: 1071

malignant lymphoma of the testis, (ab), Doll DC; Weiss RB, *Radiology* 1987; 163: 290

man who hated hospitals, Morewood DJW; Lamb GHR, *Br J Radiol* 1986; 59: 793

massive bilateral non-Hodgkin's lymphomas of the adrenals, Feldberg MAM; Hendriks MJ; Klinkhamer AC, *Urol Radiol* 1986; 8: 85

mediastinal involvement in adults with lymphoblastic lymphoma, Schwartz EE; Conroy JF; Bonner H, *Acta Radiol* 1987; 28: 403

mediastinum in Hodgkin's and non-Hodgkin's lymphomas, Blank N; Castellino RA, *J Thorac Imag* 1987; 2: 66

MR imaging of spinal lymphoma, Holtas SL; Kido DK; Simon JH, *JCAT* 1986; 10: 111

MR imaging with Gd-DTPA in leptomeningeal spread of lymphoma, Berns DH; Blaser S; Ross JS; et al, *JCAT* 1988; 12: 499

non-Hodgkin lymphoma, multivariate analysis of prognostic factors including fraction of S-phase cells, Lennert P; Roos G; Johansson H; et al, *Acta Oncol* 1987; 26: 179

non-Hodgkin lymphoma of ureteral wall: CT findings, Chen FH; Panella JS; Rochester D; et al, *JCAT* 1988; 12: 157

non-Hodgkin's lymphoma following radiotherapy for Hodgkin's disease, Karp SJ; Bennett MH, *Clin Radiol* 1986; 37: 479

non-Hodgkin's lymphoma following successful treatment of Hodgkin's disease, Amin R; Anthony P, *Clin Radiol* 1986; 37: 483

non-Hodgkin's lymphoma of the thyroid, Makepeace AR; Fernmont DC; Bennett MH, *Clin Radiol* 1987; 38: 277

non-Hodgkin's lymphoma presenting as periaipillary mass with obstructive jaundice, Barek L; Orron DE, *CT* 1986; 10: 89

orbital lymphoma: role of CT and MRI, Flanders AE; Espinosa GA; Markiewicz DA; et al, *Radiol Clin North Am* 1987; 25: 601

peripheral T-cell lymphomas: histologic, immunohistologic, and clinical characterization, (ab), Weis JW; Winter MW; Phylly RL, *Radiology* 1986; 161: 288

peritoneal lymphomatosis with ascites: characterization, (ab), Runyon BA; Hoefs JC, *Radiology* 1986; 161: 282

pneumothorax associated with lymphoma, (ab), Yellin A; Benfield JR, *Radiology* 1987; 162: 885

posttransplantation cyclosporine-induced lymphoproliferative disorders: clinical and radiologic manifestations, Harris KM; Schwartz ML; Slasky BS; Nalesnik M; Makowka L, *Radiology* 1987; 162: 697

posttransplant lymphoma: sonographic characteristics of renal allograft involvement, Russ PD; Way DE; Pretorius DH; et al, *J Ultrasound Med* 1987; 6: 453

primary adrenal lymphoma: CT and sonographic appearances, Vicks BS; Perusek M; Johnson J; et al, *JCU* 1987; 15: 135

primary B-cell gastric lymphoma, (ab), Isaacson PG; Spenser J; Finn T, *Radiology* 1986; 161: 858

primary brain lymphoma, Leaney BJ; Martin JJ; Lawson JB; et al, *Australas Radiol* 1988; 32: 38

primary central nervous system lymphoma, (ab), Kawakami Y; Tabuchi K; Ohnishi R; et al, *Radiology* 1986; 158: 572

primary gastrointestinal non-Hodgkin lymphoma: a review of 36 cases, Kajanti M; Karkinen-Jääskeläinen M; Rissanen P, *Acta Oncol* 1988; 27: 51

primary lymphoma of the bladder, Binkovitz LA; Hattery RR; LeRoy AJ, *Urol Radiol* 1988; 9: 231

primary lymphoma of the breast, Liu F-F; Clark RM, *Clin Radiol* 1986; 37: 567

primary lymphoma of the central nervous system: experience at Addenbrooke's Hospital, Cambridge, Ashby MA; Bowen D; Bleehen NM; et al, *Clin Radiol* 1988; 39: 173

prognostic factors in non-Hodgkin's lymphoma, Tubiana M; Carde F; Burgens JMV; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 503

psaos muscle disorders: MR imaging, Lee JKT; Glazer HS, *Radiology* 1986; 160: 683

radiation therapy of primary malignant lymphoma of the brain, Yasunaga T; Takahashi M; Uozumi H; et al, *Acta Oncol* 1986; 25: 23

radioimmunotherapy of patients with cutaneous T-cell lymphoma using an iodine-131-labeled monoclonal antibody: analysis of retreatment following plasmapheresis, Zimmer AM; Rosen ST; Spies SM; et al, *J Nucl Med* 1988; 29: 174

radiologic manifestations of early gastric lymphoma, Sato T; Sakai Y; Ishiguro S; et al, *AJR* 1986; 146: 513

rectal lymphoma in homosexual men, (ab), Burkes RL; Meyer PR; Gill PS; et al, *Radiology* 1986; 161: 284

renal involvement first diagnosed by radionuclide bone imaging in a patient with lymphocytic lymphoma, Flemming MC; Tyson IB; Tenorio LE, *Clin Nucl Med* 1987; 12: 892

renal lymphoma, Heiken JP; McClellan BL; Gold RP, *Semin US CT MR* 1986; 7: 58

renal lymphoma: unusual example, Deuskar V; Martin LFW; Leung W, *J Canad Assoc Radiol* 1987; 38: 133

renal sonography in American Burkitt lymphoma, Strauss S; Libson E; Schwartz E; et al, *AJR* 1986; 146: 549

retracted testis mimicking lymphomatous recurrence: CT demonstration, Neumann DR; Pearlstein AE, *JCAT* 1986; 10: 159

role of chest CT in non-Hodgkin lymphoma, Khoury MB; Godwin JD; Halvorsen RA Jr; Hanun Y; Putman CE, *Radiology* 1986; 158: 659

selection of imaging studies for newly presenting patients with non-Hodgkin's lymphoma, Marglin SI; Castellino RA, *Semin US CT MR* 1986; 7: 2

solitary hepatic Burkitt lymphoma presenting as acute pancreatitis, Wan YL; Chen WJ; Huang SC; et al, *Pediatr Radiol* 1988; 18: 160

spinal epidural lymphomas: CT features in seven patients, Beres J; Pech P; Berns TF; et al, *AJNR* 1986; 7: 327

sporadic non-African Burkitt's lymphoma: a case report, Childs WJ; Benjamin CS; Pattison NS, *Australas Radiol* 1988; 32: 269

"starry sky" liver with Burkitt's lymphoma, Rak K; Hopper KD; Parker SH, *J Ultrasound Med* 1988; 7: 279

surgical therapy of localized abdominal non-Hodgkin's lymphomas, (ab), Mentzer SJ; Osteen RT; Pappas TN; et al, *Radiology* 1988; 169: 585

tumor targeting potential of liposomes encapsulating Ga-67 and antibody to Dalton's lymphoma associated antigen (anti-DLAA), Udayachander M; Meenakshi A; Muthiah R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1713

ultrasonically guided staging splenic tissue core biopsy in patients with non-Hodgkin's lymphoma, (ab), Suzuki T; Shibuya H; Yoshimatsu S; et al, *Radiology* 1988; 166: 585

ultrasonic evaluation of the scrotum in lymphoproliferative disease, Phillips G; Kumari-Subaiya S; Sawitsky A, *J Ultrasound Med* 1987; 6: 169

ultrasonographic patterns of focal hepatic and splenic lesions in Hodgkin's and non-Hodgkin's lymphoma, Wernecke K; Peters PE; Kruger K-G, *Br J Radiol* 1987; 60: 655

unusual appearance of renal lymphoma, Cadman PJ; Lindsell DRM; Golding SJ, *Clin Radiol* 1988; 39: 452

uro-radiographic manifestations of Burkitt's lymphoma in children, (ab), Fernbach SK; Glass RB, *Radiology* 1986; 161: 576

utility of gallium-technetium subtraction imaging in evaluation of pulmonary involvement by lymphoma, Boudreau R; du Cret RP; Juenemann P; et al, *Clin Nucl Med* 1987; 12: 766

value and limitations of abdominal ultrasound in tumour staging—liver metastasis and lymphoma, Scholmerich J; Volk BA; Gerok W, *Eur J Radiol* 1987; 7: 243

Lymphoma, complications

central nervous system complications by malignant lymphomas: radiation schedule and treatment results, Aabo K; Walbom-Jorgensen S, *Int J Radiat Oncol Biol Phys* 1986; 12: 197

CT findings in hepatosplenic and renal candidiasis, Shirkhoda A, *JCAT* 1987; 11: 795

massive acroosteolysis in adult T-cell leukemia/lymphoma, Austin CB; Young JWR; Park HJ; Needleman BW; Handwerker BS; Rosenbaum RC, *Radiology* 1987; 164: 787

organ envelopment in lymphoma visualised by computed tomography, Seltzer SE; Jochelson M; Balikian JP, *Clin Radiol* 1986; 37: 525

osteonecrosis in patients with malignant lymphoma: a review of 31 cases, (ab), Rossaleigh MA; Smith J; Straus DJ; et al, *Radiology* 1987; 163: 293

Lymphoma, CT

AIDS-related lymphomas: evaluation by abdominal CT, Nyberg DA; Jeffrey RB Jr; Federle MP; Bottles K; Abrams DI, *Radiology* 1986; 159: 59

central nervous system lymphoma: histologic types and CT appearance, Jack C Jr; O'Neill BP; Banks PM; Reese DF, *Radiology* 1988; 167: 211

computed tomography in the diagnosis and follow-up of American Burkitt's lymphoma, Rezvani L; Tully RJ; Levine C; et al, *Gastrointest Radiol* 1986; 11: 36

CT of intracranial lymphoma, Weingarten KL; Zimmerman RD, *Semin US CT MR* 1986; 7: 9

gastrointestinal lymphoma: role of CT in diagnosis and management, Megibow AJ, *Semin US CT MR* 1986; 7: 43

intracranial non-Hodgkin lymphoma occurring after treatment of Hodgkin disease, Yang PJ; Burt TB; Stricof DD; Seeger JF, *Radiology* 1986; 167: 541

lymphangiography and CT in the follow-up of patients with lymphoma, Pera A; Capek M; Shirkhoda A, *Radiology* 1987; 164: 631

lymphography and abdominal computed tomography in the staging of non-Hodgkin lymphoma: with an analysis of discrepancies, Strijk SP, *Acta Radiol* 1987; 28: 263

lymphoma: evaluation with Ga-67 SPECT, Tumei SS; Rosenthal DS; Kaplan WD; English RJ; Holman BL, *Radiology* 1987; 164: 111

lymphomas of the head and neck: CT findings at initial presentation, Lee Y-Y; Van Tassel P; Nauert C; et al, *AJNR* 1987; 8: 665

magnetic resonance imaging, chest radiography, computed tomography and ultrasonography in malignant lymphoma, Nyman R; Rehn S; Glimelius B; et al, *Acta Radiol* 1987; 28: 253

non-Hodgkin's lymphoma of the head and neck: CT evaluation of nodal and extranodal sites, Harnsberger HR; Bragg DG; Osborn AG; et al, *AJNR* 1987; 8: 673

primary central nervous system lymphoma: CT and pathologic correlation, Lee Y-Y; Bruner JM; Van Tassel P; et al, *AJR* 1986; 147: 747

primary thyroid lymphoma: evaluation with CT, Takashima S; Ikezoe J; Morimoto S; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T, *Radiology* 1988; 168: 765

role of chest CT in non-Hodgkin lymphoma, Khoury MB; Godwin JD; Halvorsen RA Jr; Hanun Y; Putnam CE, *Radiology* 1986; 158: 659

spleen in non-Hodgkin lymphoma: diagnostic value of computed tomography, Strijk SP; Boetes C; Bogman MJT; et al, *Acta Radiol* 1987; 28: 139

ultrasonographic and computed tomographic features of renal sinus lymphoma, Ruchman RB; Yeh H-C; Mitty HA; et al, *JCU* 1988; 16: 35

Lymphoma, diagnosis

annual oration 1985: new concepts in the non-Hodgkin lymphomas: radiologic implications, Bragg DG; Colby TV; Ward JH, *Radiology* 1986; 159: 291

calcification in untreated mediastinal lymphoma, Panicek DM; Harty MP; Scicutella CJ; Carsky EW, *Radiology* 1988; 166: 735

central nervous system lymphoma: histologic types and CT appearance, Jack CR Jr; O'Neill BP; Banks PM; Reese DF, *Radiology* 1988; 167: 211

computed tomography in the diagnosis and follow-up of American Burkitt's lymphoma, Rezvani L; Tully RJ; Levine C; et al, *Gastrointest Radiol* 1986; 11: 36

Hodgkin disease and non-Hodgkin lymphomas in children: utilization of radiological modalities, Cohen MD; Siddiqui AR; Weetman RM; Provisor AJ; Coates T, *Radiology* 1986; 158: 499

ICON: computer-based approach to differential diagnosis in radiology, Sweet HA; Miller PL, *Radiology* 1987; 163: 555

immunophenotypic criteria for the diagnosis of non-Hodgkin's lymphoma, (ab), Picker LJ; Weiss LM; Medeiros LJ; et al, *Radiology* 1987; 165: 888

importance of the jaw radiograph in diagnosis of Burkitt's lymphoma, Nzeh DA, *Clin Radiol* 1987; 38: 519

percutaneous needle biopsy in the diagnosis and classification of lymphoma, (ab), Erwin BC; Brynes RK; Chan WC; et al, *Radiology* 1986; 161: 288

primary thyroid lymphoma: evaluation with CT, Takashima S; Ikezoe J; Morimoto S; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T, *Radiology* 1988; 168: 765

small arteries in peripheral lymph nodes: a specific US sign of lymphomatous involvement, Majer MC; Hess CF; Kolbel G; Schmiedl U, *Radiology* 1988; 168: 241

splenic lymphoma: ferrite-enhanced MR imaging in rats, Weissleder R; Stark DD; Rummeny EJ; Compton CC; Ferrucci JT, *Radiology* 1988; 166: 423

Lymphoma, in infants and children

atypical intrathoracic manifestations of Burkitt's lymphoma, Nzeh DA, *Pediatr Radiol* 1988; 18: 411

B-cell lymphoproliferative disorders in children after bone marrow transplantation: radiologic manifestations, Day DL; Shapiro RS; Yueh N; McClain K; Allan BT; Filipovich AH, *Radiology* 1987; 162: 807

clinical, haematological, and radiological features in T-cell lymphoblastic malignancy in childhood, Mitchell CD; Gordon I; Chessells JM, *Clin Radiol* 1986; 37: 257

cranial radiation necessary for CNS prophylaxis in pediatric NHL, Mandell LR; Wollner N; Fuks Z, *Int J Radiat Oncol Biol Phys* 1987; 13: 359

small bowel disease in children: diagnosis with CT, Siegel MJ; Evans SJ; Balfe DM, *Radiology* 1988; 169: 127

thymic localization of gallium-67 in pediatric patients with lymphoid and nonlymphoid tumors, Hibi S; Todo S; Imashuku S, *J Nucl Med* 1987; 28: 293

ultrasonographic findings in thymic lymphoma in children, Lemaître L; Leclerc F; Marconi V; et al, *Eur J Radiol* 1987; 7: 125

unsuspected non-Hodgkin's lymphoma of the tonsils and adenoids in children, (ab), Ridgway D; Wolff LJ; Neerhout RC; et al, *Radiology* 1987; 166: 296

Lymphoma, metastases

annual oration 1985: new concepts in the non-Hodgkin lymphomas: radiologic implications, Bragg DG; Colby TV; Ward JH, *Radiology* 1986; 159: 291

central nervous system metastases from non-Hodgkin's lymphoma: treatment and prophylaxis, (ab), Recht L; Straus DJ; Cirincione C; et al, *Radiology* 1988; 168: 295

malignant extradural spinal tumors: MR imaging with Gd-DTPA, Sze G; Krol G; Zimmerman RD; Deck MDF, *Radiology* 1988; 167: 217

Lymphoma, MR studies

attempt to characterize malignant lymphoma in spleen, liver and lymph nodes with magnetic resonance imaging, Nyman R; Rhen S; Ericsson A; et al, *Acta Radiol* 1987; 28: 527

detection of a systemic effect of malignancy in vivo by magnetic resonance imaging, Richards MA; Gregory WM; Webb JAW, *Magn Res Imag* 1988; 6: 557

ferrite-enhanced MR imaging of hepatic lymphoma: an experimental study in rats, Weissleder R; Stark DD; Compton CC; et al, *AJR* 1987; 149: 1161

magnetic resonance imaging, chest radiography, computed tomography and ultrasonography in malignant lymphoma, Nyman R; Rehn S; Glimelius B; et al, *Acta Radiol* 1987; 28: 253

MR image-guided P-31 MR spectroscopy in the evaluation of brain tumor treatment, Segebarth CM; Baleraux DF; Arnold DL; Luyten PR; den Hollander JA, *Radiology* 1987; 165: 215

response of a non-Hodgkin lymphoma to ⁶⁰Co therapy monitored by ³¹P MRS in situ, Ng TC; Vijayakumar S; Majors AW; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1545

splenic lymphoma: ferrite-enhanced MR imaging in rats, Weissleder R; Stark DD; Rummeny EJ; Compton CC; Ferrucci JT, *Radiology* 1988; 166: 423

Lymphoma, radionuclide studies

comparison of fluorine-18-2-fluorodeoxyglucose and gallium-67 citrate imaging for detection of lymphoma, Paul R, *J Nucl Med* 1987; 28: 288

gallium-67 detection of occult gastric lymphoma in AIDS, Gianfelice D; Rosenthal L; Falutz J, *AJR* 1987; 149: 305

high [¹⁸F]FDG uptake in primary cerebral lymphoma: a PET study, Kuwabara Y; Ichihara Y; Otsuka M; et al, *JCAT* 1988; 12: 47

immunolymphoscintigraphy in patients with lymphoma after subcutaneous injection of indium-111-labeled T101 monoclonal antibody, Keenan AM; Weinstein JN; Mulshine JL; et al, *J Nucl Med* 1987; 28: 42

indium-111 T101 monoclonal antibody is superior to iodine-131 T101 in imaging of cutaneous T-cell lymphoma, Carrasquillo JA; Mulshine JL; Bunn PA Jr; et al, *J Nucl Med* 1987; 28: 281

lymphoma: evaluation with Ga-67 SPECT, Tumei SS; Rosenthal DS; Kaplan WD; English RJ; Holman BL, *Radiology* 1987; 164: 111

lymphoma, melanoma, colon cancer: diagnosis and treatment with radiolabeled monoclonal antibodies. The 1986 Eugene F. Pendergrass New Horizons Lecture, Larson SM, *Radiology* 1987; 165: 297

Lymphoma, radionuclide studies

- lymphoma of the skeleton: scintigraphic evaluation, Orzel JA; Sawaf NW; Richardson ML, *AJR* 1988; 150: 1095
- metastatic non-Hodgkin's lymphoma on bone scintigraphy mimicking loosening or infection of hip prosthesis, Donohoe KJ; Patton DD, *Clin Nucl Med* 1987; 12: 888
- non-Hodgkin's lymphoma, Moreno AJ; Sanders LR; Battafarano NJ; et al, *Clin Nucl Med* 1986; 11: 801
- SPECT gallium imaging in abdominal lymphoma, Adcock KA; Friefeld GD; Waldron JA Jr, *Clin Nucl Med* 1986; 11: 346
- SPECT gallium scanning for lymphoma and infection, Harwood SJ; Carroll RG; Anderson M; et al, *Clin Nucl Med* 1987; 12: 694
- three cases demonstrating the role of gallium scanning in relapsing Hodgkin's disease and non-Hodgkin lymphoma, Zollars LE; Nagel JS; Tumeik SS, *J Nucl Med* 1987; 28: 1611
- value of gallium scans and lymphangiography in non-Hodgkin's lymphoma of the Waldeyer's ring, (ab), Shigematsu N; Kondo M; Kubo A; et al, *Radiology* 1987; 164: 296
- Lymphoma, staging**
- annual oration 1985: new concepts in the non-Hodgkin lymphomas: radiologic implications, Bragg DG; Colby TV; Ward JH, *Radiology* 1986; 159: 291
- lymphangiography and CT in the follow-up of patients with lymphoma, Pera A; Capek M; Shirkhoda A, *Radiology* 1987; 164: 631
- lymphography and abdominal computed tomography in the staging of non-Hodgkin lymphoma: with an analysis of discrepancies, Strijk SP, *Acta Radiol* 1987; 28: 263
- lymphomatous superficial lymph nodes: US detection, Bruneton J-N; Normand F; Balu-Maestro C; Kerbul P; Santini N; Thyss A; Schneider M, *Radiology* 1987; 165: 233
- magnetic resonance imaging, chest radiography, computed tomography and ultrasonography in malignant lymphoma, Nyman R; Rehn S; Glimelius B; et al, *Acta Radiol* 1987; 28: 253
- role of chest CT in non-Hodgkin lymphoma, Khoury MB; Godwin JD; Halvorsen RA Jr; Hanun Y; Putman CE, *Radiology* 1986; 158: 659
- Lymphoma, therapeutic radiology**
- axillary-subclavian vein thrombosis following combination chemotherapy and radiation therapy in lymphoma, Schreiber DP; Kapp DS, *Int J Radiat Oncol Biol Phys* 1986; 12: 391
- central nervous system complications by malignant lymphomas: radiation schedule and treatment results, Aabo K; Walbom-Jorgensen S, *Int J Radiat Oncol Biol Phys* 1986; 12: 197
- increased ^{252}Cf therapeutic advantage for an advanced murine lymphoma (LSA) growing *in vivo*, Maruyama Y; Darwazeh NB; Magura C, *Br J Radiat Oncol* 1988; 61: 312
- influence of prior total body irradiation on the tissue distribution of mouse lymphoma/leukemia, Cobb LM; Butler SA, *Int J Radiat Oncol Biol Phys* 1986; 12: 83
- is cranial radiation necessary for CNS prophylaxis in pediatric NHL?, Mandell LR; Wollner N; Fuks Z, *Int J Radiat Oncol Biol Phys* 1987; 13: 359
- long-term results of low dose total body irradiation for advanced non-Hodgkin lymphoma, Lybeert MLM; Meerwaldt JH; Deneve W, *Int J Radiat Oncol Biol Phys* 1987; 13: 1167
- low grade stage I and II non-Hodgkin's lymphoma: results of treatment and relapse pattern following therapy, Taylor RE; Allan SG; McIntyre MA; et al, *Clin Radiol* 1988; 39: 287
- lymphoma: radiation therapy in lymphoma treatment, Wasserman TH; Tubiana M, *Int J Radiat Oncol Biol Phys* 1988; 14: S187
- non-Hodgkin's lymphoma: survey from a district general hospital, Mehta AB; Evans JPM; Kumaran TO; et al, *Clin Radiol* 1986; 37: 183
- orbital lymphomas and pseudolymphomas: treatment with radiation therapy, Gordon PS; Juillard GJF; Seich MT; Parker RG; Fu Y-S, *Radiology* 1986; 159: 797

- paraocular lymphoid tumors, Mittal BB; Deutsch M; Kennerdell JJ; Johnson B, *Radiology* 1986; 159: 793
- prognostic factors in non-Hodgkin's lymphoma, Tubiana M; Carde P; Burgers JMV; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 503
- response of a non-Hodgkin lymphoma to ^{60}Co therapy monitored by ^{31}P MRS *in situ*, Ng TC; Vijayakumar S; Majors AW; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1545
- single high dose-large field irradiation in drug resistant non-Hodgkin's lymphoma, Scarantino CW; Greven KM; Buss DH, *Int J Radiat Oncol Biol Phys* 1988; 14: 1001
- spinal cord dose reduction using an anterior 13 MeV electron field situated between a split anterior ^{60}Co supraclavicular field, Mills MD; Fuller LM; Zagars GK; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1571
- thyroid lymphomas stages IE and IIE: comparative results for radiotherapy only, combination chemotherapy only, and multimodality treatment, Vigliotti A; Kong JS; Fuller LM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1807
- Lymphoma, therapy**
- chemotherapy in patients who fail radiotherapy for diffuse aggressive non-Hodgkin's lymphoma, Armitage JO; Wen B-C, *Int J Radiat Oncol Biol Phys* 1987; 13: 1351
- combined modality therapy for stage I-II large cell lymphoma, Prestidge BR; Horning SJ; Hoppe RT, *Int J Radiat Oncol Biol Phys* 1988; 15: 633
- combined modality treatment for stage I-II non-Hodgkin's lymphomas: CVP versus BACOP chemotherapy, Bajetta E; Valagussa P; Bonadonna G; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 3
- improved survival of poor prognosis diffuse histiocytic (large cell) lymphoma managed with sequential induction chemotherapy, "boost" radiation therapy, and autologous bone marrow transplantation, Chadha M; Shank B; Fuks Z; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 407
- low grade stage I and II non-Hodgkin's lymphoma: results of treatment and relapse pattern following therapy, Taylor RE; Allan SG; McIntyre MA; et al, *Clin Radiol* 1988; 39: 287
- primary lymphoma of the thyroid: clinical features, prognostic factors, and results of treatment, Tupchong L; Hughes F; Harmer CL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1813
- prognostic indicators in diffuse large-cell (histiocytic) lymphoma, Todd MB; Fortlock CS; Farber LR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 593
- retrospective analysis of stage I and II indolent lymphomas at the National Cancer Institute, Lawrence TS; Urbia WJ; Steinberg SM; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 417
- thyroid lymphomas stages IE and IIE: comparative results for radiotherapy only, combination chemotherapy only, and multimodality treatment, Vigliotti A; Kong JS; Fuller LM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1807
- Lymphoma, US studies**
- lymphomatous superficial lymph nodes: US detection, Bruneton J-N; Normand F; Balu-Maestro C; Kerbul P; Santini N; Thyss A; Schneider M, *Radiology* 1987; 165: 233
- magnetic resonance imaging, chest radiography, computed tomography and ultrasonography in malignant lymphoma, Nyman R; Rehn S; Glimelius B; et al, *Acta Radiol* 1987; 28: 253
- primary gastric lymphoma versus gastric carcinoma: endoscopic US evaluation, Bolondi L; Casanova P; Caletti GC; Grigioni W; Zani L; Barbara L, *Radiology* 1987; 165: 821
- primary lymphoma of the ascending colon: sonographic demonstration, Parker LA; Vincent LM; Ryan FP; et al, *JCU* 1986; 14: 221
- primary malignant lymphoma of the thyroid: sonographic appearance, Parulekar SG; Katzman RA, *JCU* 1986; 14: 60

- small arteries in peripheral lymph nodes: a specific US sign of lymphomatous involvement, Majer MC; Hess CF; Köbel G; Schmiedl U, *Radiology* 1988; 168: 241
- sonographic manifestations of abdominal lymphoma, Jackson FI; Lalani Z, *Semin US CT MR* 1987; 8: 61
- ultrasonographic and computed tomographic features of renal sinus lymphoma, Ruchman RB; Yeh H-C; Mitty HA; et al, *JCU* 1988; 16: 35

Lymphoscintigraphy

See Lymphatic system, radionuclide studies

M

Magnetic resonance (MR)

- See also under names of organs and regions, such as Brain, MR studies
- about articles of judgment, Margulis AR, *Radiology* 1988; 169: 576
- agarose as a tissue equivalent phantom material for NMR imaging, Mitchell MD; Kundel HL; Axel L; et al, *Magn Res Imag* 1986; 4: 263
- artifacts from pulsatile flow in MR imaging, Perman WH; Moran PK; Moran RA; et al, *JCAT* 1986; 10: 473
- automated MR imaging protocols for improved patient throughput, Lufkin RB; Dworkin J; Stutman J; et al, *Comput Med Imag Graph* 1988; 12: 85
- behavior of Pantopaque on MR: *in vivo* and *in vitro* analyses, Braun IF; Malko JA; Davis PC; et al, *AJNR* 1986; 7: 997
- central thrombi in pulmonary arterial hypertension detected by MR imaging, Fisher MR; Higgins CB, *Radiology* 1986; 158: 223
- common pharmaceuticals alter tissue proton NMR relaxation properties, Karlik SJ, *Magn Res Med* 1986; 3: 181
- comparing costs and efficacy of MRI, Bradley WG Jr, *AJR* 1986; 146: 1307
- correlative study of properties of water in biological systems using ultrasound and magnetic resonance, Sehgal CM; Greenleaf JF, *Magn Res Med* 1986; 3: 976
- critique of the concept of MRI centers, James AE Jr; Partain CL; Hamilton RJ; et al, *Magn Res Imag* 1987; 5: 71
- CT of the brain is alive and well, Hyman RA; Gorey MT; Nuskind RL; Black KS, *Radiology* 1988; 167: 877
- CT of the brain is alive and well: reply, Brant-Zawadzki M, *Radiology* 1988; 167: 878
- diffusion of MRI: patterns of siting and ownership in an era of changing incentives, Hillman AL; Schwartz JS, *AJR* 1986; 146: 963
- effect of magnetic resonance imaging on DDD pacemakers, (ab), Erlebacher JA; Cahill FT; Pannizzo F; et al, *Radiology* 1986; 161: 287
- field dependence of NMR imaging: I. laboratory assessment of signal-to-noise ratio and power deposition, Chen C-N; Sank VJ; Cohen SM; et al, *Magn Res Med* 1986; 3: 722
- field dependence of NMR imaging: II. arguments concerning an optimal field strength, Hoult DJ; Chen C-N; Sank VJ, *Magn Res Med* 1986; 3: 730
- hazards and associated recommendations for Canadian MR imaging sites, Prato FS; Nicholson RL; Smith M; et al, *J Canad Assoc Radiol* 1986; 37: 233
- high-field-strength MR imaging and metallic biomedical implants: an *ex vivo* evaluation of deflection forces, Shellock FG; Crues JV, *AJR* 1988; 151: 389
- I. introduction, objectives, and activities, Podo F; Orr JS; Schmidt KH; et al, *Magn Res Imag* 1988; 6: 175
- influence of federal and state regulations on the acquisition and operation by hospitals of magnetic resonance imaging scanners, Bartlett SW, *Cardiovasc Intervent Radiol* 1986; 8: 394
- influence of physiologic motion on the appearance of tissue in MR, Ehman RL; McNamara MT; Brasch RC; Felmlee JP; Gray JE; Higgins CB, *Radiology* 1986; 159: 777
- integrated volume-selective/spectral editing ^1H NMR and postdetection signal processing for the sensitive determination of lactate, Knüttel A; Rommel E; Clausen M; et al, *Magn Res Med* 1988; 8: 70

- introduction: of men and magnets, Adams DF, Cardiovasc Intervent Radiol 1986; 8: 223
- in vivo* evaluation of intracellular pH and high-energy phosphate metabolites during regional myocardial ischemia in cats using ^{31}P nuclear magnetic resonance, Stein PD; Goldstein S; Sabbah HN; et al, Magn Res Med 1986; 3: 262
- joint effusions: MR imaging, Beltran J; Noto AM; Herman LJ; Mosure JC; Burk JM; Christoforidis AJ, Radiology 1986; 158: 133
- localization of phosphorus metabolites and sodium ions in the rat kidney, Bogusky RT; Garwood M; Matson GB; et al, Magn Res Med 1986; 3: 251
- magnetic field dependence of solvent proton relaxation rates induced by Gd^{3+} and Mn^{2+} complexes of various polyaza macrocyclic ligands: implications for NMR imaging, Geraldes CFGC; Sherry AD; Brown RD III; et al, Magn Res Med 1986; 3: 242
- magnetism: a primer and review, Saini S; Frankel RB; Stark DD; et al, AJR 1988; 150: 735
- microcomputer patient database management system for an MRI facility, Holshouser BA; Bradley WG Jr, AJR 1986; 146: 871
- modern imaging and endoscopic biopsy techniques in Egyptian mummies, Notman DNH; Tashjian J; Aufderheide AC; et al, AJR 1986; 146: 93
- modified saturation-recovery approximation for multiple spin-echo pulse sequences, Lee JN; Kiederer SJ, Magn Res Med 1986; 3: 132
- monoclonal antibodies labeled with polymeric paramagnetic ion chelates, Shreve P; Aisen AM, Magn Res Med 1986; 3: 336
- MR angiography of peripheral, carotid, and coronary arteries, Alfidi RJ; Masaryk TJ; Haacke EM; et al, AJR 1987; 149: 1097
- MR imaging and CT of extrahepatic cavernous hemangiomas, Levine E; Wetzel LH; Neff JR, AJR 1986; 147: 1299
- MR imaging of fat, Dooms GC; Hricak H; Margulis AR; de Geer G, Radiology 1986; 158: 51
- MR imaging of metallic implants and materials: a compilation of the literature, Shellock FG, AJR 1988; 151: 811
- MR imaging of the brain, Brant-Zawadzki N, Radiology 1988; 166: 1
- MR imaging of the dilated biliary tract, Dooms GC; Fisher MR; Higgins CB; Hricak H; Goldberg HI; Margulis AR, Radiology 1986; 158: 337
- natural abundance ^{13}C NMR spectrum of glycogen in humans, Jue T; Lohman JAB; Ordidge RJ; et al, Magn Res Med 1987; 5: 377
- nuclear magnetic resonance study of high-energy phosphate stores in models of adriamycin cardiotoxicity, Keller AM; Jackson JA; Peshock RM; et al, Magn Res Med 1986; 3: 834
- oblique planes of section in MR imaging, Edelman RR; Stark DD; Saini S; Ferrucci JT Jr; Dinsmore RE; Ladd W; Brady TJ, Radiology 1986; 159: 809
- optimization of signal-to-noise ratio in calculated T_1 images derived from two spin-echo images, Prato FS; Drost DJ; Keys T; et al, Magn Res Med 1986; 3: 63
- perceived clinical value of NMR measurements on biopsy specimens. part I. interval estimates of diagnostic error rates and a note on an effect of the law of small numbers, Herbert DE, Magn Res Med 1986; 4: 215
- present and future clinical position of magnetic resonance imaging, Steiner RE, Magn Res Med 1986; 3: 473
- present and future status of MR imaging, Margulis AR; Crooks LE, AJR 1988; 150: 487
- proton MR properties of lyophilized urine samples from normal and stone former individuals, Azouy R; Abrashkin S; Weininger J; et al, Magn Res Med 1988; 6: 49
- relaxometry of calf lens homogenates, including cross-relaxation by crystalline NH groups, Beaulieu CF; Clark II; Brown RD III; et al, Magn Res Med 1988; 6: 45
- relaxometry of ferritin solutions and the influence of the Fe^{3+} core ions, Koenig SH; Brown RD III; Gibson JF; et al, Magn Res Med 1986; 3: 755
- reproducibility of relaxation and spin-density parameters in phantoms and the human brain measured by MR imaging at 1.5 T, Breger RK; Wehrli FW; Charles HC; et al, Magn Res Med 1986; 3: 649
- revised glossary of MR terms, Axel L, Radiology 1987; 162: 874
- shunts for portal hypertension: MR and angiography for determination of patency, Bernardino ME; Steinberg HV; Pearson TC; Gedgaudas-McClees RK; Torres WE; Henderson JM, Radiology 1986; 158: 57
- silicone gel phantom suitable for multimodality imaging, Goldstein DC; Kundel HL; Daube-Witherspoon ME; et al, Invest Radiol 1987; 22: 153
- site planning for clinical NMR systems, Hack SN; Hammer BE, Magn Res Med 1986; 4: 525
- soft tissue pseudotumor following intramuscular injection of "DPT": a pitfall in magnetic resonance imaging, Huber DJ; Sumers E; Klein M, Skeletal Radiol 1987; 16: 469
- status of MRI in 1986: rates of adoption in the United States and worldwide, Steinberg EP, AJR 1986; 147: 453
- suppression of radiofrequency interference in cardiac gated MRI: a simple design, Shetty AN, Magn Res Med 1988; 8: 84
- systems components for consideration in purchasing an NMR imager, Droege RT; Ekstrand KE; Coffey CW II, Radiographics 1986; 6: 154
- towards an advisor for MRI, du Boulay GH; Woods AJ; Teather D; et al, Neuroradiol 1988; 30: 245
- transverse relaxation time values in MR imaging of normal breast during menstrual cycle, Martin B; El Youssef SJ, JCAT 1986; 10: 924
- utility of MR in planning the radiation therapy of oligodendroglioma, Shuman WP; Griffin BR; Haynor DR; et al, AJNR 1987; 8: 93
- value of relaxation times and density measurements in clinical MRI, Crooks LE; Hylton NM; Ortendahl DA; et al, Invest Radiol 1987; 22: 158
- vitalism and proton relaxation, Wolf GL, Invest Radiol 1986; 21: 427
- Magnetic resonance (MR), artifact**
- acquisition order and motional artifact reduction in spin warp images, Dixon WT; Brummer ME; Malko JA, Magn Res Med 1988; 6: 74
- aliasing artifacts in MR imaging, Pusey E; Yoon C; Anselmo ML; et al, Comput Med Imag Graph 1988; 12: 219
- artifacts and diagnostic pitfalls on magnetic resonance imaging: a clinical review, Hahn FJ; Chu W-K; Coleman PE; et al, Radiol Clin North Am 1988; 26: 717
- artifacts caused by cosmetics in MR imaging of the head, Sacco DC; Steiger DA; Bellon EM; et al, AJR 1987; 148: 1001
- artifacts in MR imaging after surgical intervention, Heindel W; Friedmann G; Bunke J; et al, JCAT 1986; 10: 596
- boundary artifact due to truncation errors in MR imaging, Lufkin RB; Pusey E; Stark DD; et al, AJR 1986; 147: 1283
- boundary artifact in inversion-recovery images, Droege RT; Adamczak SM, Magn Res Med 1986; 3: 126
- characteristic features of MR truncation artifacts, Czervionke LF; Czervionke JM; Daniels DL; et al, AJNR 1988; 9: 815
- classification and investigation of artifacts in magnetic resonance imaging, Porter BA; Hastrup W; Richardson ML; Wesbey GE; Olson DO; Cromwell LD; Moss AA, Radiographics 1987; 7: 271
- common artifacts encountered in magnetic resonance imaging, Clark JA II; Kelly WM, Radiol Clin North Am 1988; 26: 893
- controlled eddy currents: applications to MR imaging, Malko JA; Nelson RC, JCAT 1987; 11: 1044
- dental material artifacts on MR images, Hinshaw DB Jr; Holshouser BA; Engstrom HIM; Tjan AHL; Christiansen EL; Catelli WF, Radiology 1988; 166: 777
- depth-focused radio frequency coils for MR imaging, Carlson JW; Arakawa M; Kaufman L; McCarten BM; George C, Radiology 1987; 165: 251
- fast imaging and other motion artifact reduction schemes: a pictorial overview, Runge VM; Wood ML, Magn Res Med 1988; 6: 595
- PRODD pulse sequences: a new means of eliminating motion, flow, and wraparound artifacts, Edelman RR; Atkinson DJ; Silver MS; Loaliza FL; Warren WS, Radiology 1988; 166: 231
- hemorrhagic and nonhemorrhagic brain lesions: evaluation with 0.35-T fast MR imaging, Winkler ML; Olsen WL; Mills TC; Kaufman L, Radiology 1987; 165: 203
- improving MR image quality in the presence of motion by using rephasing gradients, Haacke EM; Lenz GW, AJR 1987; 148: 1251
- low-artifact intravascular devices: MR imaging evaluation, Teitelbaum GP; Ortega HV; Vinitski S; Stern H; Tsuruda JS; Mitchell DG; Rifkin MD; Bradley WG Jr, Radiology 1988; 168: 713
- magnetic field dependence of the breathing artifact, Wood ML; Henkelman RM, Magn Res Med 1986; 4: 387
- magnetic field strength dependence of chemical shift artifacts, Lufkin RB; Anselmo M; Crues J; et al, Comput Med Imag Graph 1988; 12: 89
- magnetic resonance imaging artifacts: mechanism and clinical significance, Pusey E; Lufkin RB; Brown RKJ; Solomon MA; Stark DD; Tarr RW; Hanafey WN, Radiographics 1986; 6: 891
- magnetic susceptibility effects secondary to out-of-plane air in fast MR scanning, Schick RM; Wismer GL; Davis KR, AJNR 1988; 9: 439
- motion artifact reduction in MR imaging of the abdomen: gradient moment nulling versus respiratory-sorted phase encoding, Mitchell DG; Vinitski S; Burk DL Jr; Levy DW; Rifkin MD, Radiology 1988; 169: 155
- motion artifact reduction with fast spin-echo imaging, Stark DD; Hendrick RE; Hahn PF; Ferrucci JT Jr, Radiology 1987; 164: 183
- motion artifacts in brain and spine MR, Hinks RS; Quencer RM, Radiol Clin North Am 1988; 26: 737
- motion artifact suppression technique (MAST) for cranial MR imaging: superiority over cardiac gating for reducing phase-shift artifacts, Elster AD, AJNR 1988; 9: 671
- motion artifact suppression technique (MAST) for MR imaging, Pattany PM; Phillips JJ; Chiu LC; et al, JCAT 1987; 11: 369
- motion artifact suppression technique (MAST) in magnetic resonance imaging: clinical results, Colletti PM; Raval JK; Benson RC; et al, Magn Res Med 1988; 6: 293
- MR artifacts: review, Bellon EM; Haacke EM; Coleman PE; et al, AJR 1986; 147: 1271
- MR imaging artifacts, ferromagnetism, and magnetic torque of intravascular filters, stents, and coils, Teitelbaum GP; Bradley WG Jr; Klein BD, Radiology 1988; 166: 657
- MR imaging artifacts produced by dental materials, Fache JS; Price C; Hawbolt EB; et al, AJNR 1987; 8: 837
- MR imaging of large nonferromagnetic metallic implants at 1.5 T, Augustiny N; von Schultheiss GK; Meier D; et al, JCAT 1987; 11: 678
- MR imaging with topographic EEG electrodes in place, Lufkin R; Jordan S; Lylyck P; et al, AJNR 1988; 9: 953
- multiple spin-echo MR imaging of the body: image contrast and motion-induced artifact, Mitchell DG; Vinitski S; Burk DL Jr; et al, Magn Res Med 1988; 6: 535
- pitfalls in MR imaging of the knee, Herman LJ; Beltran J, Radiology 1988; 167: 775
- respiration artifacts in MR imaging: reduction by breath holding, Paling MR; Brookeman JR, JCAT 1986; 10: 1080
- slice-shape artifact changes with precession angle in rapid MR imaging, Young IR; Payne JA, Magn Res Med 1987; 5: 177

- spatial presaturation: a method for suppressing flow artifacts and improving depiction of vascular anatomy in MR imaging. Felmlee JP; Ehman RL. *Radiology* 1987; 164: 559
- spinal cord artifacts from truncation errors during MR imaging. Levy LM; Di Chiro G; Brooks RA; Dwyer AJ; Wener L; Frank J. *Radiology* 1988; 166: 479
- syndromic artifacts on MR images of the spinal cord. Bronskill MJ; McVeigh ER; Kucharczyk W; Henkelman RM. *Radiology* 1988; 166: 485
- techniques, pitfalls and artifacts in magnetic resonance imaging. Patton JA; Kulkarni MV; Craig JK; Wolfe OH; Price RR; Partain CL; James AE Jr. *Radiographics* 1987; 7: 505
- "truncation" artifact in MR images of the internal auditory canal. Daniels DL; Czervionke LF; Breger RK; et al. *AJNR* 1987; 8: 793
- truncation artifact in MR images of the intervertebral disk. Breger RK; Czervionke LF; Kass EG; et al. *AJNR* 1988; 9: 825
- unusual MR metallic artifact due to steel threads. James R; Bartlett CR; Renicker J; et al. *JCAT* 1987; 11: 722
- use of shielding to prevent folding MR imaging. Van Hecke PE; Marchal GJ; Baert AL. *Radiology* 1988; 167: 557
- Magnetic resonance (MR), biological effects**
- are quenches dangerous? Bore PJ; Galloway GJ; Styles P; et al. *Magn Res Med* 1986; 3: 112
- attenuation of morphine-induced analgesia in mice by exposure to magnetic resonance imaging: separate effects of the static radiofrequency and time-varying magnetic fields. Prato FS; Ossenkopp K-P; Kavaliers M; et al. *Magn Res Med* 1987; 5: 9
- biological effects and potential hazards of nuclear magnetic imaging. Adams DF. *Cardiovasc Intervent Radiol* 1986; 8: 260
- change in human cardiac rhythm induced by a 2-T static magnetic field. Jehenson P; Duboc D; Laverne T; Guize L; Guérin F; Degeorges M; Syrota A. *Radiology* 1988; 166: 227
- comparison of MR imaging and CT in patients with intracranial aneurysm clips. Holtás S; Olsson M; Romner B; et al. *AJNR* 1988; 9: 891
- corneal temperature changes induced by high-field-strength MR imaging with a head coil. Shellock FG; Cruess JV. *Radiology* 1988; 167: 809
- effect of a 1.5 T static magnetic field on body temperature of man. Shellock FG; Schaefer DJ; Gordon CJ. *Magn Res Med* 1986; 3: 644
- effect of magnetic resonance imaging on human cognition. Sweetland J; Kertesz A; Prato FS; et al. *Magn Res Med* 1987; 5: 129
- effect of magnetic resonance imaging on *Xenopus laevis* embryogenesis. Kay HH; Herkens RJ; Kay BK. *Magn Res Med* 1988; 6: 501
- effect of MR imaging on spleen colony formation following gamma irradiation. Montour JL; Fatouros PP; Prasad UR. *Radiology* 1988; 168: 259
- effects of a static magnetic field on DNA synthesis and survival of mammalian cells irradiated with fast neutrons. Ngo FOH; Blue JW; Roberts WK. *Magn Res Med* 1987; 5: 307
- effects of MR imaging on murine natural killer cell cytotoxicity. Prasad N; Lotzova E; Thornby JJ; et al. *AJR* 1987; 148: 415
- hazards and associated recommendations for Canadian MR imaging sites. Prato FS; Nicholson RL; Smith M; et al. *J Can Assoc Radiol* 1986; 37: 233
- heating effects of metallic implants by MRI examinations. Buchli R; Boesiger P; Meier D. *Magn Res Med* 1988; 7: 255
- magnetic resonance imaging—a clinical perspective: image quality, safety and risk management. Merritt CRB. *Radiographics* 1987; 7: 1001
- methodology of in vivo human sodium MR imaging at 1.5 T. Pernan WH; Turski PA; Houston LW; Glover GH; Hayes CE. *Radiology* 1986; 160: 811
- midgestational exposure of pregnant BALB/c mice to magnetic resonance imaging conditions. Heinrichs WL; Fong P; Flannery M; et al. *Magn Res Med* 1988; 6: 305
- MR imaging in patients with intracranial aneurysm clips. Becker RL; Norfray JF; Teitelbaum GP; et al. *AJNR* 1988; 9: 885
- on the thermoregulatory consequences of NMR imaging. Adair ER; Berglund LG. *Magn Res Med* 1986; 4: 321
- physiologic changes during high field strength MR imaging. Kido DK; Morris TW; Erickson JL; et al. *AJNR* 1987; 8: 263
- potential hearing loss resulting from MR imaging. Brummett RE; Talbot JM; Charuhas P. *Radiology* 1988; 169: 539
- superficial- and deep-tissue temperature increases in anesthetized dogs during exposure to high specific absorption rates in a 1.5-T MR imager. Shuman WP; Haynor DR; Guy AW; Wesbey GE; Schaefer DJ; Moss AA. *Radiology* 1988; 167: 551
- temperature changes caused by MR imaging of the brain with a head coil. Shellock FG; Cruess JV. *AJNR* 1988; 9: 287
- temperature, heart rate, and blood pressure changes associated with clinical MR imaging at 1.5 T. Shellock FG; Cruess JV III. *Radiology* 1987; 163: 259
- whole-body MR imaging and spectroscopy at 4 T: where do we go from here? Ortendahl DA. *Radiology* 1988; 169: 864
- whole-body MR imaging and spectroscopy with a 4-T system. Barrius H; Fischer H; Hentschel D; Ladebeck R; Vetter J. *Radiology* 1988; 169: 811
- Magnetic resonance (MR), chemical shift**
- boundary effects from opposed magnetization artifact in IR images. Hearshen DO; Ellis JH; Carson PL; Shreve P; Aisen AM. *Radiology* 1986; 160: 543
- cartilage disorders: comparison of spin-echo, CHESS, and FLASH sequence MR images. König H; Sauter R; Deimling M; Vogt M. *Radiology* 1987; 164: 753
- chemical shift-based true water and fat images: regional phase correction of modified spin-echo MR images. Borello JA; Chenevert TL; Meyer CR; Aisen AM; Glazer GM. *Radiology* 1987; 164: 531
- chemical-shift imaging: a hybrid approach. Doyle M; Mansfield P. *Magn Res Med* 1987; 5: 255
- chemical shift imaging: review. Brateman L. *AJR* 1986; 146: 971
- chemical-shift imaging with large magnetic field inhomogeneity. Kim YS; Mun CW; Cho ZH. *Magn Res Med* 1987; 4: 452
- chemical shift-induced amplitude modulations in images obtained with gradient refocusing. Wehrli FW; Perkins TG; Shimakawa A; et al. *Magn Res Med* 1987; 5: 157
- chemical-shift MR imaging of the femoral head: an in vitro study of normal hips and hips with avascular necrosis. Mitchell DG; Joseph PM; Fallon M; et al. *AJR* 1987; 148: 1159
- comparison of selective saturation and selective echo chemical shift imaging techniques. Joseph PM; Shetty A. *Magn Res Med* 1988; 6: 421
- echo-planar pediatric imager. Crooks LE; Arakawa M; Hylton NM; Avram H; Hoenninger JC; Watts JC; Hale JD; Kaufman L. *Radiology* 1988; 166: 157
- effect of chemical shift misrepresentation on cortical bone thickness on MR imaging. Dick BW; Mitchell DG; Burk DL; et al. *AJR* 1988; 151: 537
- experimental radiation injury: combined MR imaging and spectroscopy. Grossman RI; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle TJ; McGrath JT; Curran WJ; Shetty A; Joseph PM. *Radiology* 1988; 169: 305
- fast gradient-echo chemical-shift imaging. Park HW; Kim YH; Cho ZH. *Magn Res Med* 1988; 7: 340
- fat suppression by section-select gradient reversal on spin-echo MR imaging: work in progress. Gomori JM; Holland GA; Grossman RI; Gefter WB; Lenkinski RE. *Radiology* 1988; 168: 493
- four-dimensional chemical shift MR imaging of phosphorus metabolites of normal and diseased human liver. Cox JJ; Bryant DJ; Collins AG; et al. *JCAT* 1988; 12: 369
- general treatment of NMR imaging with chemical shifts and motion. Twieg DB; Katz J; Peshock RM. *Magn Res Med* 1987; 5: 32
- gradient reversal technique and its applications to chemical-shift-related NMR imaging. Park HW; Kim DJ; Cho ZH. *Magn Res Med* 1987; 4: 526
- hematologic bone marrow disorders: quantitative chemical shift MR imaging. Rosen BR; Fleming DM; Kushner DC; Zaner KS; Buxton RB; Bennet WP; Wismer GL; Brady TJ. *Radiology* 1988; 169: 799
- integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience. Lenkinski RE; Holland GA; Allman T; Vogele K; Kressel HY; Grossman RI; Charles HC; Engeseth HR; Flamig D; MacFall JR. *Radiology* 1988; 169: 201
- liver metastases: detection by phase-contrast MR imaging. Stark DD; Wittenberg J; Middleton MS; Ferrucci JT Jr. *Radiology* 1986; 158: 327
- magnetic field strength dependence of chemical shift artifacts. Lufkin RB; Anselmo M; Cruess J; et al. *Comput Med Imag Graph* 1988; 12: 89
- MR imaging of susceptibility-induced magnetic field inhomogeneities. Wendt RE III; Wilcott MR III; Nitz W; Murphy PH; Bryan RN. *Radiology* 1988; 168: 837
- MR imaging of the optic nerve and sheath: correcting the chemical shift misregistration effect. Daniels DL; Kneeland JB; Shimakawa A; et al. *AJNR* 1986; 7: 249
- multiline chemical-shift (MULCH) imaging. Johnson G; Tofts PS. *Magn Res Med* 1988; 6: 107
- multiple chemical shift selective (CHESS) MR imaging using stimulated echoes. Matthaei D; Haase A; Frahm J; Bomdorf H; Vollmann W. *Radiology* 1986; 160: 791
- multisection fat-water imaging with chemical shift selective presaturation. Keller PJ; Hunter WW Jr; Schmalbrock P. *Radiology* 1987; 164: 539
- NMR studies of combined lanthanide shift and relaxation agents for differential characterization of ²³Na in a two-compartment model system. Brown MA; Stenzel TT; Ribeiro AA; et al. *Magn Res Med* 1986; 3: 289
- orbital lesions: proton spectroscopic phase-dependent contrast MR imaging. Atlas SW; Grossman RI; Axel L; Hackney DB; Bilaniuk LT; Goldberg HI; Zimmerman RA. *Radiology* 1987; 164: 510
- phase contrast in magnetic resonance imaging perspectives for chemical shift imaging. Briguet A; Chankji J; Desorbay G; et al. *Magn Res Med* 1986; 4: 431
- pituitary fossa: chemical shift effect in MR imaging. Haughton VM; Prost R. *Radiology* 1986; 158: 461
- ³¹P NMR measurements of intracellular pH in erythrocytes: direct comparison with measurements using freeze-thaw and investigation into the influence of ionic strength and Mg²⁺. Petersen A; Jacobsen JP; Horder M. *Magn Res Med* 1987; 4: 341
- posterior lobe of the pituitary: identification by lack of chemical shift artifact in MR imaging. Nishimura K; Fujisawa I; Togashi K; et al. *JCAT* 1986; 10: 899
- quantitative proton chemical-shift imaging. Buxton RB; Wismer GL; Brady TJ; et al. *Magn Res Med* 1986; 3: 881
- reciprocal space description of MR experiments. Müller S. *Magn Res Med* 1987; 5: 502
- separation of lipid and water MR imaging signals by chopper averaging in the time domain. Szumowski J; Plewes DB. *Radiology* 1987; 165: 247

- separation of true fat and water images by correcting magnetic field inhomogeneity in situ, Yeung HN; Kormos DW, *Radiology* 1986; 159: 783
- single-acquisition chemical-shift imaging of a binary system with use of stimulated echoes, Yeung HN; Kormos DW; Sebok DA, *Radiology* 1988; 167: 537
- spin echo imaging of multiple chemical shifts, Lohman JAB; Ordidge RJ; Connelly A, *Magn Res Med* 1987; 5: 83
- tumor detection with phase-contrast imaging: evaluation of clinical potential, Paling MR; Brookeman JR; Mugler JP, *Radiology* 1987; 162: 199
- whole-body MR imaging and spectroscopy with a 4-T system, Barfuss H; Fischer H; Hentschel D; Ladebeck R; Vetter J, *Radiology* 1988; 169: 811
- Magnetic resonance (MR), cine study**
- valvular regurgitation: dynamic MR imaging, Utz JA; Herfkens RJ; Heinsinger JA; Shimakawa A; Glover G; Pelc N, *Radiology* 1988; 168: 91
- ventricular septal defect: visualization of shunt flow and determination of shunt size by cine MR imaging, Sechtem U; Pfugfelder P; Cassidy MC; et al, *AJR* 1987; 149: 689
- Magnetic resonance (MR), comparative studies**
- acoustic neuromas: Gd-DTPA enhancement in MR imaging, Curati WL; Graif M; Kingsley DPE; Niendorf HP; Young IR, *Radiology* 1988; 166: 447
- acute cervical spine trauma: evaluation with 1.5-T MR imaging, Mirvis SE; Geisler FH; Jelinek JJ; Jostlyn JN; Gellad F, *Radiology* 1988; 166: 807
- adrenal gland: MR imaging, Chang A; Glazer HS; Lee JKT; Ling D; Heiken JP, *Radiology* 1987; 163: 123
- adrenal gland: MR imaging, McGahan JP, *Radiology* 1988; 166: 284
- adrenal gland: MR imaging: reply, Glazer HS; Lee JKT, *Radiology* 1988; 166: 285
- amebic liver abscess: MR imaging, Ralls PW; Henley DS; Colletti PM; Benson R; Raval JK; Radin DR; Boswell WD Jr; Halls JM, *Radiology* 1987; 165: 801
- anterior cruciate ligament tears: MR imaging compared with arthroscopy and clinical tests, Lee JK; Yao L; Phelps CT; Wirth CR; Czajka J; Lozman J, *Radiology* 1988; 166: 861
- arteriovenous malformations of the extremities: MR imaging, Cohen JM; Weinreb JC; Redman HC, *Radiology* 1986; 158: 475
- association of heterotopic gray matter with seizures: MR imaging, work in progress, Smith AS; Weinstein MA; Quencer RM; Muroff LR; Stonessier KJ; Li FC; Wener L; Solomon MA; Cruse RP; Rosenberg LH; Berke JP, *Radiology* 1988; 168: 195
- atrial-level shunts: sensitivity and specificity of MR in diagnosis, Diethelm L; Dery R; Lipton MJ; Higgins CB, *Radiology* 1987; 162: 181
- avascular necrosis of the femoral head: morphological assessment by MR imaging, with CT correlation, Mitchell DG; Kressel HY; Arger PH; Dalinka MK; Spritzer CE; Steinberg ME, *Radiology* 1986; 161: 739
- blinded clinical comparison of MR imaging and CT in neuroradiology, Houghton VM; Rimm AA; Sobocinski KA; Papke RA; Daniels DL; Williams AL; Lynch R; Levine R, *Radiology* 1986; 160: 751
- brachial plexus: correlation of MR imaging with CT and pathologic findings, Rapoport S; Blair DN; McCarthy SM; Desser TS; Hammers LW; Sostman HD, *Radiology* 1988; 167: 161
- carcinoma of the breast: detection with MR imaging versus xeromammography, Turner DA; Alcorn FS; Shorey WD; Stelling CB; Mategrano VC; Merten CW; Silver B; Economou SG; Straus AK; Witt TR; Norusis M, *Radiology* 1988; 168: 49
- cartilage disorders: comparison of spin-echo, CHESS, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, *Radiology* 1987; 166: 753
- cerebellopontine angle-petromastoid mass lesions: comparative study of diagnosis with MR imaging and CT, Gentry LR; Jacoby CG; Turski PA; Houston LW; Strother CM; Sackett JF, *Radiology* 1987; 162: 513
- cervical radiculopathy: value of oblique MR imaging, Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Bohlman H, *Radiology* 1987; 163: 227
- chordomas: MR imaging, Sze G; Uichanco LS III; Brant-Zawadzki MN; Davis RL; Gutin PH; Wilson CB; Norman D; Newton TH, *Radiology* 1988; 166: 187
- choroidal melanomas: correlation of NMR spectroscopy and MR imaging, Gomori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D, *Radiology* 1986; 158: 443
- clinical MR imaging with a Helmholtz-type surface coil, Keiman TH; Heiken JP; Totty WC; Lee JKT, *Radiology* 1988; 169: 564
- comparison of CT with MR imaging of endobronchial tumors, Mayr B; Heywang SH; Ingrid H; et al, *JCAT* 1987; 11: 43
- comparison of MR imaging and CT in patients with intracranial aneurysm clips, Holtås S; Olsson M; Romner B; et al, *AJNR* 1988; 9: 891
- comparison of MR imaging and CT in the evaluation of musculoskeletal masses, Wetzel LH; Levine E; Murphy MD, *Radiographics* 1987; 7: 851
- comparison of MR imaging, CT, and angiography in the evaluation of the enlarged cavernous sinus, Hirsch WL Jr; Hryshko FG; Sekhar LN; et al, *AJNR* 1988; 9: 907
- cross-sectional imaging method: system to compare ultrasound, computed tomography, and magnetic resonance with histologic findings, Kimmey MB; Silverstein FE; Haggit RC; et al, *Invest Radiol* 1987; 22: 227
- cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies, Ormon MJ; Kispert DB; Sharbrough FW; Houser OW; Earnest F IV; Scheithauer BW; Laws ER Jr, *Radiology* 1986; 160: 215
- deep venous thrombosis evaluation with limited-flip-angle, gradient-refocused MR imaging: preliminary experience, Spritzer CE; Sussman SK; Blinder RA; Saeed M; Herfkens RJ, *Radiology* 1988; 166: 371
- diagnosis of small hepatocellular carcinoma: correlation of MR imaging and tumor histologic studies, Ehara M; Ohto M; Watanabe Y; Kimura K; Saisho H; Tsuchiya Y; Okuda K; Arimizu N; Kondo F; Ikehira H; Fukuda N; Tateno Y, *Radiology* 1986; 159: 371
- differentiation of proximal bronchogenic carcinoma from postobstructive lobar collapse by magnetic resonance imaging: comparison with computed tomography, Tobler J; Levitt RG; Glazer HS; et al, *Invest Radiol* 1987; 22: 538
- early osteonecrosis of the femoral head: detection in high-risk patients with MR imaging, Genez BM; Wilson MR; Houk RW; Weiland FL; Unger HR Jr; Shields NN; Rugh KS, *Radiology* 1988; 168: 521
- ejection fraction determination by MR imaging: comparison with left ventricular angiography, Strateimer EJ; Thompson R; Brady TJ; Miller SW; Saini S; Wismer GL; Okada RD; Dinsmore RE, *Radiology* 1986; 158: 775
- enlarged parathyroid glands: high-resolution local coil MR imaging, Kneeland JB; Kruback AJ; Lawson TL; Wilson SD; Collier BD; Froncisz W; Jesmanowicz A; Hyde JS, *Radiology* 1987; 162: 143
- evaluating and comparing imaging techniques: a review and classification of study designs, Freedman LS, *Br J Radiol* 1987; 60: 1071
- evaluation of an aortic aneurysm by MRI: comparison with echocardiography, angiography and surgery, Akins EW; Limacher M; Slone RM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 188
- experimental infections of the musculoskeletal system: evaluation with MR imaging and Tc-99m MDP and Ga-67 scintigraphy, Beltran J; McGhee RB; Shaffer PB; Olsen JO; Bennett WF; Foster TR; McCalla MS; Iskra LA; Blagg RL; Biller DS, *Radiology* 1988; 167: 167
- femoral head avascular necrosis: correlation of MR imaging, radiographic staging, radionuclide imaging, and clinical findings, Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Alavi A; Steinberg ME; Fallon M; Kressel HY, *Radiology* 1987; 162: 709
- focal hepatic mass screening: MR imaging or CT scanning?, Bernardino ME, *Radiology* 1987; 162: 282
- focal hepatic mass screening: MR imaging or CT scanning?, Szilofski WJ, *Radiology* 1987; 163: 830
- giant intracranial aneurysms: MR imaging, Olsen WL; Brant-Zawadzki M; Hoden J; Norman D; Newton TH, *Radiology* 1987; 163: 431
- hepatic metastases: randomized, controlled comparison of detection with MR imaging and CT, Stark DD; Wittenberg J; Butch RJ; Ferrucci JT Jr, *Radiology* 1987; 163: 399
- hepatic micrometastases in the rat: ferrite-enhanced MR imaging, Tsang Y-M; Stark DD; Chen MC-M; Weisleder R; Wittenberg J; Ferrucci JT, *Radiology* 1988; 167: 21
- human brain infarcts: imaging by MR enhanced Gd-DTPA, Virapongse C; Mancuso AA; Quisling RG, *Radiology* 1986; 161: 785
- hyperparathyroidism: comparison of MR imaging with radionuclide scanning, Peck WW; Higgins CB; Fisher MR; Ling M; Okerlund MD; Clark OH, *Radiology* 1987; 163: 415
- intracranial vascular malformations: imaging of charged-particle radiosurgery, part I, results of therapy, Marks MP; Delapaz RL; Fabrikant JJ; Frankel KA; Phillips MR; Levy RP; Enzmann DR, *Radiology* 1988; 168: 447
- intracranial vascular malformations: imaging of charged-particle radiosurgery, part II, complications, Marks MP; Delapaz RL; Fabrikant JJ; Frankel KA; Phillips MR; Levy RP; Enzmann DR, *Radiology* 1988; 168: 457
- intraocular tumors: evaluation with MR imaging, Peyster RG; Augsburger JJ; Shields JA; Hershey BL; Eagle R Jr; Haskin ME, *Radiology* 1988; 168: 773
- intraparenchymal brain metastases: MR imaging versus contrast-enhanced CT, Sze G; Shin J; Krol G; Johnson C; Liu D; Deck MDF, *Radiology* 1988; 168: 187
- invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, Castelijn JA; Gerritsen GJ; Kaiser MC; Valk J; van Zanten TEG; Golding RG; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB, *Radiology* 1988; 167: 199
- leptomeningeal metastasis: MR imaging, Davis PC; Friedman NC; Fry SM; Malko JA; Hoffman JC Jr; Braun IF, *Radiology* 1987; 163: 449
- liver and abdominal screening in patients with cancer: CT versus MR imaging, Cheezmar JL; Rumancik WM; Megbow AJ; Hulnick DH; Nelson RC; Bernardino ME, *Radiology* 1988; 168: 43
- liver metastasis detection: comparative sensitivities of MR imaging and CT scanning, Reinig JW; Dwyer AJ; Miller DL; White M; Frank JA; Sugarbaker PH; Chang AE; Doppman JL, *Radiology* 1987; 162: 43
- magnetic resonance imaging of parenchymal liver disease: a comparison with ultrasound, radionuclide scintigraphy and x-ray computed tomography, Clinical NMR Group The, *Clin Radiol* 1987; 38: 495
- magnetic resonance imaging of primary malignant bone tumors, Bloem JL; Bluemink RG; Taminiau AHM; van Oosterom AT; Stolk J; Doornbos J, *Radiographics* 1987; 7: 425
- major salivary gland masses: comparison of MR imaging and CT, Casselman JW; Mancuso AA, *Radiology* 1987; 163: 183
- Marfan syndrome: evaluation with MR imaging versus CT, Soulen RL; Fishman EK; Pyritz RE; Zerhouni EA; Pessar ML, *Radiology* 1987; 165: 697
- measurement of aortic blood flow with MR imaging: comparative study with Doppler US, Matsuda T; Shimizu K; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Tamaki S; Kawai C, *Radiology* 1987; 162: 857

- mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT. Poon PY; Bronsill MJ; Henkelman RM; Rideout DF; Shulman HS; Weisbrod GL; Steinhardt M; Dunlap HJ; Ginsberg RJ; Feld R; Sutcliffe SB; Williams JL. *Radiology* 1987; 162: 651
- MR detection of liver metastases. Reinig JW; Dwyer AJ; Miller DL; Frank JA; Doppman JL. *Radiology* 1987; 163: 582
- MRI in the preoperative evaluation of intracerebral tumours: comparison with CT. Le Bas JF; Benabid AL; Camuset JP; et al. *J Neuroradiol* 1987; 14: 203
- MR imaging of brain contusions: a comparative study with CT. Hesselink JR; Dowd CF; Healy ME; et al. *AJNR* 1988; 9: 269
- MR imaging of the breast: comparison with mammography and ultrasound. Heywang SH; Fenzl G; Hahn D; et al. *JCAT* 1986; 10: 615
- MR imaging of the spine. Houghton VM. *Radiology* 1988; 166: 297
- multiple sclerosis: gadolinium enhancement in MR imaging. Grossman RI; Gonzalez-Scarano F; Atlas SW; Galetta S; Silberberg DH. *Radiology* 1986; 161: 721
- multiple system atrophy (Shy-Drager syndrome): MR imaging. Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L. *Radiology* 1986; 159: 499
- noninvasive evaluation of knee meniscal tears: preliminary comparison of MR imaging and CT. Manco LG; Lozman J; Coleman ND; Kavanagh JH; Bilfield BS; Dougherty J. *Radiology* 1987; 163: 727
- ocular MR imaging. Zimmerman RA; Bilaniuk LT. *Radiology* 1988; 168: 875
- parotid masses: MR imaging. Mandelblatt SM; Braun IF; Davis PC; Fry SM; Jacobs LH; Hoffman JC Jr. *Radiology* 1987; 163: 411
- patients with partial seizures: evaluation by MR, CT, and PET imaging. Latak JT; Abou-Khalil BW; Siegel GJ; Sackellares JC; Gabrielsen TO; Aisen AM. *Radiology* 1986; 159: 159
- pelvic abnormalities in children: assessment with MR imaging. Dietrich RB; Kangaroo H. *Radiology* 1987; 163: 367
- pelvic masses in pregnant patients: MR and US imaging. Weinreb JC; Brown CE; Lowe TW; Cohen JM; Erdman WA. *Radiology* 1986; 159: 717
- polycystic ovaries: MR imaging. Mitchell DG; Gelfer WB; Spritzer CE; Blasco L; Nulson J; Livolsi V; Axel L; Arger PH; Kressel HY. *Radiology* 1986; 160: 425
- posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging. Hricak H; Terrier F; Marotti M; Engelstad BL; Filly RA; Vincenti F; Duca RM; Bretan PN Jr; Higgins CB; Feduska N. *Radiology* 1987; 162: 685
- primary bladder carcinoma: evaluation with MR imaging. Rholl KS; Lee JKT; Heiken JP; Ling D; Glazer HS. *Radiology* 1987; 163: 117
- primary liver tumors in children: comparison of CT and MR imaging. Boechat MI; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V. *Radiology* 1988; 169: 727
- primary musculoskeletal tumors: examination with MR imaging compared with conventional modalities. Pettersson H; Gillespy T III; Hamlin DJ; Enneking WF; Springfield DS; Andrew ER; Spanier S; Slone R. *Radiology* 1987; 164: 237
- radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination. Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ. *Radiology* 1988; 169: 805
- recurrent rectal cancer: diagnosis with MR imaging versus CT. Krestin GP; Steinbrich W; Friedmann G. *Radiology* 1988; 168: 307
- renal allograft rejection: evaluation by Doppler US and MR imaging. Steinberg HV; Nelson RC; Murphy FB; Chezmaz JL; Baumgartner BR; Delaney VB; Whelchel JD; Bernardino ME. *Radiology* 1987; 162: 337
- signal-to-noise ratio and section thickness in two-dimensional versus three-dimensional Fourier transform MR imaging. Carlson J; Crooks LE; Ortendahl DA; Kramer DM; Kaufman L. *Radiology* 1988; 166: 266
- sinonasal tumors and inflammatory tissues: differentiation with MR imaging. Som PM; Shapiro MD; Biller HF; Sasaki C; Lawson W. *Radiology* 1988; 167: 803
- staging of intracranial extent of osteosarcoma: correlation of preoperative CT and MR imaging with pathologic macrodissection. Gillespy T III; Manfrini M; Ruggieri P; Spanier SS; Pettersson H; Springfield DS. *Radiology* 1988; 167: 765
- surface coil MR imaging of orbital blowout fractures: comparison with reformatted CT. Tonami H; Nakagawa T; Ohguchi M; et al. *AJNR* 1987; 8: 445
- tongue and oropharynx: findings on MR imaging. Lufkin RB; Wortham DG; Dietrich RB; Hoover LA; Larsson SG; Kangaroo H; Hanafey WN. *Radiology* 1986; 161: 69
- undescended testis: value of MR imaging. Fritzsche PJ; Hricak H; Kogan BA; Winkler ML; Tanagho EA. *Radiology* 1987; 164: 169
- uterine leiomyomas in the infertile patient: preoperative localization with MR imaging versus US and hysterosalpingography. Dudiak CM; Turner DA; Patel SK; Archie JT; Silver B; Norusis M. *Radiology* 1988; 167: 627
- valvular regurgitation: dynamic MR imaging. Utz JA; Herfkens RJ; Heinsinger JA; Shimakawa A; Glover G; Pelc N. *Radiology* 1988; 168: 91
- vascular imaging with MRI: inadequacy in Takayasu's arteritis compared with angiography. Miller DL; Reinig JW; Volkman DJ. *AJR* 1986; 146: 949
- Magnetic resonance (MR), contrast enhancement**
- acute myocardial ischemia: MR imaging with Mn-TP. Pflugfelder PW; Wendland MF; Holt WW; Quay SC; Worah D; Derugin N; Higgins CB. *Radiology* 1988; 167: 129
- anomalous relaxivity of Mn³⁺ (TPPS₄). Koenig SH; Brown RD III; Spiller M. *Magn Res Med* 1987; 4: 252
- field-cycling relaxometry: medical applications. Rinck PA; Fischer HW; Vander Elst L; Van Haverbeke Y; Muller RN. *Radiology* 1988; 168: 843
- Gd-DTPA-enhanced MR imaging in pediatric patients after brain tumor resection. Bird CR; Drayer BP; Medina M; Rekeate HL; Flom RA; Hodak JA. *Radiology* 1988; 169: 123
- magnetic resonance imaging with maximum contrast between two selected tissues composed of recordings with three repetition times. Jung B; Ericsson A; Hemmingson A; et al. *Acta Radiol* 1988; 29: 140
- modification of relaxation of lipid protons by molecular oxygen and nitroxides. Bennett HF; Swartz HM; Brown RD III; et al. *Invest Radiol* 1987; 22: 502
- MR vascular imaging with a fast gradient refocusing pulse sequence and reformatted images from transaxial sections. Gullberg GT; Wehrli FW; Shimakawa A; Simons MA. *Radiology* 1987; 165: 241
- nitroxides as potential contrast enhancing agents for MRI application: influence of structure on the rate of reduction by rat hepatocytes, whole liver homogenate, subcellular fractions, and ascorbate. Keana JFW; Pou S; Rosen GM. *Magn Res Med* 1987; 5: 525
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging. Frank JA; Giron ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL. *Radiology* 1987; 164: 527
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging. Le Bihan D; Breton E; Lallemand D; Aubin M-L; Vignaud J; Laval-Jeantet M. *Radiology* 1988; 168: 497
- splenic lymphoma: ferrite-enhanced MR imaging in rats. Weissleder R; Stark DD; Rummeny EJ; Compton CC; Ferrucci JT. *Radiology* 1988; 166: 423
- tissue contrast enhancement: image reconstruction algorithm and selection of TI in inversion recovery MRI. Moran PR; Kumar NG; Karstad N; et al. *Magn Res Imag* 1986; 4: 229
- transverse relaxation of solvent protons induced by magnetized spheres: application to ferritin, erythrocytes, and magnetite. Gillis P; Koenig SH. *Magn Res Med* 1987; 5: 323
- Magnetic resonance (MR), contrast media**
- acoustic neuromas: Gd-DTPA enhancement in MR imaging. Curati WL; Graif M; Kingsley DPE; Niendorf HP; Young IR. *Radiology* 1986; 158: 447
- acute myocardial ischemia: MR imaging with Mn-TP. Pflugfelder PW; Wendland MF; Holt WW; Quay SC; Worah D; Derugin N; Higgins CB. *Radiology* 1988; 167: 129
- aerosolized gadolinium-DTPA enhances the magnetic resonance signal of extravascular lung water. Montgomery AB; Paajanen H; Brasch RC; et al. *Invest Radiol* 1987; 22: 377
- albumin labeled with Gd-DTPA: an intravascular contrast-enhancing agent for magnetic resonance blood pool imaging preparation and characterization. Ogan MD; Schmiedl U; Moseley ME; et al. *Invest Radiol* 1987; 22: 665
- albumin labeled with Gd-DTPA as an intravascular, blood pool-enhancing agent for MR imaging: biodistribution and imaging studies. Schmiedl U; Ogan MD; Paajanen H; Marotti M; Crooks LE; Brito AC; Brasch RC. *Radiology* 1987; 162: 205
- appearance of Pantopaque on MR images. Mamourian AC; Briggs RW. *Radiology* 1986; 158: 457
- benefits of Gd-DTPA for MR imaging of intracranial abnormalities. Hesselink JR; Healy ME; Press GA; et al. *JCAT* 1988; 12: 266
- benign extraaxial tumors: contrast enhancement with Gd-DTPA. Breger RK; Papke RA; Pajunas KW; Houghton VM; Williams AL; Daniels DL. *Radiology* 1987; 163: 427
- brain distribution of MRI contrast media in rats after intracisternal injection. Allard M; Kien F; Caillie JM; et al. *J Neuroradiol* 1987; 14: 383
- cardiac radiology: RSNA '87 meeting notes. Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE. *Radiology* 1988; 166: 920
- central nervous system lesions in pediatric patients: Gd-DTPA-enhanced MR imaging. Powers TA; Partain CL; Kessler RM; Freeman MW; Robertson RH; Wyatt SH; Whelan HT. *Radiology* 1988; 169: 723
- comparison of initial biodistribution patterns of Gd-DTPA and albumin-(Gd-DTPA) using rapid spin echo MR imaging. Schmiedl U; Moseley ME; Ogan MD; et al. *JCAT* 1987; 11: 306
- comparison of ionic and non-ionic nitroxide spin labels for urographic enhancement in magnetic resonance imaging. Grodd W; Paajanen H; Eriksson UG; et al. *Acta Radiol* 1987; 28: 593
- comparison of the contrast-enhancing properties of albumin-(Gd-DTPA) and Gd-DTPA at 2.0 T: an experimental study in rats. Schmiedl U; Ogan MD; Moseley ME; et al. *AJR* 1986; 147: 1263
- considerations in the choice of contrast media for MR imaging. Brasch RC; Bennett HF. *Radiology* 1988; 166: 897
- contrast enhanced magnetic resonance imaging of the brain using gadolinium-DTPA. Valk J; de Slegte RGM; Crezee FC; et al. *Acta Radiol* 1987; 28: 659
- contrast-enhanced magnetic resonance imaging of tumours of the central nervous system: clinical review. Graif M; Steiner RE. *Br J Radiol* 1986; 59: 865
- contrast-enhanced MRI of periarthral soft-tissue changes in experimental arthritis of the rat. Terrier F; Revel D; Reinhold CE; et al. *Magn Res Med* 1986; 3: 385
- conventional and rapid MR imaging of the liver with Gd-DTPA. Hamm B; Wolf K-J; Felix R. *Radiology* 1987; 164: 313

- cranial tissues: normal MR appearance after intravenous injection of Gd-DTPA. Kilgore DP; Breger RK; Daniels DL; Pojunaas KW; Williams AL; Houghton VM. *Radiology* 1986; 160: 757
- development of a pH-sensitive contrast agent for NMR H₁ imaging. Helsen JA; Curtis JC; Hensen D; et al. *Magn Res Med* 1987; 3: 302
- differentiation of reversible and irreversible myocardial injury by MR imaging with and without gadolinium-DTPA. McNamara MT; Tscholakoff D; Revel D; Soulen RL; Schechtman N; Botvinick EH; Higgins CB. *Radiology* 1986; 158: 765
- diradical nitroxyl spin label contrast agents for magnetic resonance imaging: comparison of relaxon effectiveness. Ehmman RL; Brasch RC; McNamara MT; et al. *Invest Radiol* 1986; 21: 125
- dose administration of gadolinium-DTPA in MR imaging of intracranial tumors. Niendorf HP; Laniado M; Semmler W; et al. *AJNR* 1987; 8: 803
- enhancement of red blood cell proton relaxation with chromium labeling. Eisenberg AD; Conturo TE; Mitchell MR; et al. *Invest Radiol* 1986; 21: 137
- fast-field-echo MR imaging with Gd-DTPA: physiologic evaluation of the kidney and liver. Pettigrew RL; Avuruch L; Dannels W; Coumans J; Bernardino ME. *Radiology* 1986; 160: 561
- fast spin echo imaging with suspended respiration: gadolinium enhanced MR imaging of liver tumors. Mano I; Yoshida H; Nakabayashi K; et al. *JCAT* 1987; 11: 73
- ferrite particles as an MR contrast agent. Saini S; Ferrucci JT. *Radiology* 1988; 169: 656
- ferrite particles for bowel contrast in MR imaging: design issues and feasibility studies. Hahn FF; Stark DD; Saini S; Lewis JM; Wittenberg J; Ferrucci JT Jr. *Radiology* 1987; 164: 37
- ferrite particles: superparamagnetic MR contrast agent for the reticuloendothelial system. Saini S; Stark DD; Hahn FF; Wittenberg J; Brady TJ; Ferrucci JT Jr. *Radiology* 1987; 162: 211
- ferrite particles: superparamagnetic MR contrast agent for enhanced detection of liver carcinoma. Saini S; Stark DD; Hahn FF; Bousquet J-C; Introcasso J; Wittenberg J; Brady TJ; Ferrucci JT Jr. *Radiology* 1987; 162: 217
- ferromagnetic contrast agents: new approach. Renshaw PF; Owen CS; McLaughlin AC; et al. *Magn Res Med* 1986; 3: 217
- ferromagnetic particles as contrast agent in T2 NMR imaging. Olsson MBE; Persson BRB; Salford LG; et al. *Magn Res Med* 1986; 4: 437
- ferromagnetic particles as contrast agents for magnetic resonance imaging of liver and spleen. Dias MHM; Lauterbur PC. *Magn Res Med* 1986; 3: 328
- field-cycling relaxometry: medical applications. Rinck PA; Fischer HW; Vander Elst L; Van Haverbeke Y; Muller RN. *Radiology* 1988; 168: 843
- gadolinium chrylate as MR contrast agents. Knop RH; Frank JA; Dwyer AJ; et al. *JCAT* 1987; 11: 35
- gadolinium-DTPA and MR imaging of pituitary adenoma: a preliminary report. Davis PC; Hoffman JC Jr; Malko JA; et al. *AJNR* 1987; 8: 817
- gadolinium-DTPA as a contrast agent in magnetic resonance imaging of the brain. Stack JP; Antoun NM; Jenkins JPR; et al. *Neuroradiol* 1988; 30: 145
- gadolinium-DTPA enhanced MR imaging of intramuscular abscesses. Paajanen H; Grodd W; Revel D; et al. *Magn Res Med* 1987; 3: 109
- gadolinium-DTPA enhanced MR imaging of intravenous extension of adrenocortical carcinoma. Falke THM; Peetoom JJ; de Roos A; et al. *JCAT* 1988; 12: 331
- gadolinium-DTPA-enhanced MR imaging of spinal neoplasms: preliminary investigation and comparison with unenhanced spin-echo and STIR sequences. Stimac GK; Porter BA; Olson DO; et al. *AJNR* 1988; 9: 839
- gadolinium-DTPA enhancement of VX-2 carcinoma of the rabbit kidney on T1 weighted magnetic resonance images. Yancey JM; Ackerman N; Kaude JV; et al. *Acta Radiol* 1987; 28: 479
- gadolinium-DTPA in the assessment of liver tumors by magnetic resonance imaging. Carr DH; Graif M; Niendorf HP; et al. *Clin Radiol* 1986; 37: 347
- gadolinium-labeled liposomes containing paramagnetic amphipathic agents: targeted MRI contrast agents for the liver. Kabalka GW; Buonocore E; Hubner K; et al. *Magn Res Med* 1988; 8: 89
- gadolinium-labeled liposomes: targeted MR contrast agents for the liver and spleen. Kabalka G; Buonocore E; Hubner K; Moss T; Norley N; Huang L. *Radiology* 1987; 163: 255
- gadolinium-DTPA enhancement of experimental soft tissue carcinoma and hemorrhage in magnetic resonance imaging. Pettersson H; Ackerman N; Kaude J; et al. *Acta Radiol* 1987; 28: 75
- Gd(DOTA): alternative to Gd(DTPA) as a T₁ relaxation agent for NMR imaging or spectroscopy. Magenstadt M; Gansow OA; Brechbiel MW; et al. *Magn Res Med* 1986; 3: 808
- Gd-DOTA: characterization of a new paramagnetic complex. Bousquet J-C; Saini S; Stark DD; Hahn FF; Nigam M; Wittenberg J; Ferrucci JT Jr. *Radiology* 1988; 166: 693
- Gd DTPA: clinical efficacy. Runge VM; Schaible TF; Goldstein HA; Wood ML; Houghton VM; Maravilla KR; Weinstein MA; Price AC; Wolpert SM; Kaufman DM. *Radiographics* 1988; 8: 147
- Gd-DTPA contrast enhancement and tissue differentiation in MR imaging of experimental breast carcinoma. Revel D; Brasch RC; Paajanen H; Rosenau W; Grodd W; Engelstad B; Fox P; Winkelhake J. *Radiology* 1986; 158: 319
- Gd DTPA: future applications with advanced imaging techniques. Runge VM; Wood ML; Kaufman DM; Price AC. *Radiographics* 1988; 8: 161
- Gd-DTPA in clinical MR of the brain: 1. intraaxial lesions. Brant-Zawadzki M; Berry I; Osaki L; et al. *AJNR* 1986; 7: 781
- Gd-DTPA in clinical MR of the brain: 2. extraaxial lesions and normal structures. Berry I; Brant-Zawadzki M; Osaki L; et al. *AJNR* 1986; 7: 789
- hepatic haemangioma: dynamic MRI using gadolinium-DTPA. Ohtomo K; Itai Y; Yoshikawa K; et al. *Eur J Radiol* 1987; 7: 257
- hepatic micrometastases in the rat: ferrite-enhanced MR imaging. Tsang Y-M; Stark DD; Chen MC-M; Weissleder R; Wittenberg J; Ferrucci JT. *Radiology* 1988; 167: 21
- hepatobiliary magnetic resonance contrast agents assessed by gadolinium-153 scintigraphy. Engelstad BL; White DL; Huberty JP; et al. *Invest Radiol* 1987; 22: 232
- hepatobiliary MR contrast agents: 5-substituted iron-EHPG derivatives. Lauffer RB; Vincent AC; Padmanabhan S; et al. *Magn Res Med* 1987; 4: 582
- human brain infarcts: imaging by MR enhanced Gd-DTPA. Virapongse C; Mancuso AA; Quisling RG. *Radiology* 1986; 161: 785
- hypoxia-sensitive NMR contrast agents. Swartz HM; Chen K; Pals M; et al. *Magn Res Med* 1986; 3: 169
- ideal imaging in MR: contrast-enhancing pharmaceuticals. evaluation of tempo carboxylic acid as nitroxide diagnostic agent. Lamarque JL; Almes C; Rouanet JP; et al. *Eur J Radiol* 1986; 6: 48
- immunospecific NMR contrast agents. Renshaw PF; Owen CS; Evans AE; et al. *Magn Res Med* 1986; 4: 351
- improved sensitivity of proton MR to oxygen-17 as a contrast agent using fast imaging: detection in brain. Hopkins AL; Haacke EM; Tkach J; et al. *Magn Res Med* 1988; 7: 222
- ingested manganese chloride as a contrast agent for magnetic resonance imaging. Cory DA; Schwartzentruber DJ; Mock BH. *Magn Res Med* 1987; 5: 65
- interactions of paramagnetic contrast agents and the spin echo pulse sequence. Davis PL; Parker DL; Nelson JA; et al. *Invest Radiol* 1988; 23: 381
- intramedullary disease of the spine: diagnosis using gadolinium-DTPA-enhanced MR imaging. Sze G; Krol G; Zimmerman RD; et al. *AJNR* 1988; 9: 847
- intrathecal administration of nitroxides as potential contrast agents for MR imaging. Rosen GM; Griffith LK; Brown MA; Drayer BP. *Radiology* 1987; 163: 239
- isointense model for the evaluation of tumor-specific MRI contrast agents. Button TM; Fiel RJ. *Magn Res Med* 1988; 6: 275
- liposome delivery of NMR contrast agents for improved tissue imaging. Magin RL; Wright SM; Niesman MR; et al. *Magn Res Med* 1986; 3: 440
- liposomes containing paramagnetic macromolecules as MRI contrast agents. Navon G; Panigel R; Valensin G. *Magn Res Med* 1986; 3: 876
- lumbar spine: postoperative MR imaging with Gd-DTPA. Hueftle MG; Modic MT; Ross JS; Masaryk TJ; Carter JR; Wilber RC; Bohlman HH; Steinberg PM; Delamarter RB. *Radiology* 1988; 167: 817
- magnetic resonance imaging: of local soft tissue inflammation using gadolinium-DTPA. Paajanen H; Brasch RC; Schmiedl U; et al. *Acta Radiol* 1987; 28: 79
- magnetic resonance. RSNA '87 meeting notes. Bryan RN; Brant-Zawadzki M; Lee JKT. *Radiology* 1988; 166: 613
- magnetite albumin microspheres: new MR contrast material. Widder DJ; Greif WL; Widder KJ; et al. *AJR* 1987; 148: 399
- magnetite albumin suspension: a superparamagnetic oral MR contrast agent. Widder DJ; Edelman RR; Grief WL; et al. *AJR* 1987; 149: 839
- malignant extradural spinal tumors: MR imaging with Gd-DTPA. Sze G; Krol G; Zimmerman RD; Deck MDF. *Radiology* 1988; 167: 217
- meningeal carcinomatosis in the VX2 rabbit tumor model: detection with Gd-DTPA-enhanced MR imaging. Frank JA; Giron ME; Dwyer AJ; Wright DC; Cohen PJ; Doppman JL. *Radiology* 1988; 167: 825
- metabolic fate in the dog of the nitroxide moiety in a compound with potential utility as a contrast agent in MRI. Eriksson UG; Ogan MD; Peng C-T; et al. *Magn Res Med* 1987; 5: 73
- metalloporphyrin contrast enhancement of tumors in magnetic resonance imaging: a study of human carcinoma, lymphoma, and fibrosarcoma in mice. Ogan MD; Revel D; Brasch RC. *Invest Radiol* 1987; 22: 822
- MR arthrography: anatomic-pathologic investigation. Hajek PC; Baker LL; Sartoris DJ; Neumann CH; Resnick D. *Radiology* 1987; 163: 141
- MR characteristics of iophendylate (Pantopaque). Hackney DB; Grossman RI; Zimmerman RA; et al. *JCAT* 1986; 10: 401
- MR contrast agents: an overview. Gibby WA. *Radiol Clin North Am* 1988; 26: 1047
- MR contrast enhancement of intracranial lesions with Gd-DTPA. Hesselink JR; Press GA. *Radiol Clin North Am* 1988; 26: 873
- MR imaging of rat brain glioma: Gd-DTPA versus Gd-DOTA. Runge VM; Jacobson S; Wood ML; Kaufman D; Adelman LS. *Radiology* 1988; 166: 835
- MR imaging of the breast using gadolinium-DTPA. Heywang SH; Hahn D; Schmidt H; et al. *JCAT* 1986; 10: 199
- MR imaging of the oropharynx and tongue: comparison of plain and Gd-DTPA studies. Vogt T; Brünig R; Grevers G; et al. *JCAT* 1988; 12: 427
- MR imaging with Gd-DTPA in leptomeningeal spread of lymphoma. Berns DH; Blaser S; Ross JS; et al. *JCAT* 1988; 12: 499
- multiple cerebral metastases: detectability with Gd-DTPA-enhanced MR imaging. Russell EJ; Gerecma GK; Johnson CE; Hucksman MS; Ramsey RG; Washburn-Bleck J; Turner DA; Norusis M. *Radiology* 1987; 165: 609
- NMR measurement of the degree of oil/water partition of paramagnetic contrast media. Hall LD; Hogan PG. *Magn Res Med* 1988; 7: 248
- optimal pulsing sequences for MR contrast agents. Wolf GL; Joseph PM; Goldstein EJ. *AJR* 1986; 147: 367
- oxygen-17 compounds as potential NMR T₁ contrast agents: enrichment effects of H₂O on protein solutions and living tissues. Hopkins AL; Barr RG. *Magn Res Med* 1987; 4: 399

- oxygen-dependent metabolism of potential magnetic resonance contrast agents. Pals MA; Swartz HM. *Invest Radiol* 1987; 22: 497
- paramagnetic complexes of manganese(II), iron(III), and gadolinium(III) as contrast agents for magnetic resonance imaging: influence of stability constants on the biodistribution of radioactive aminopolycarboxylate complexes. Fornasiero D; Bellen JC; Baker RJ; et al. *Invest Radiol* 1987; 22: 322
- paramagnetic contrast enhancement at 0.02 T: an experimental study using Gd-DOTA in normal and hydronephrotic kidneys. Niemi P; Paajanen H; Mänttinen H; et al. *Magn Res Med* 1988; 7: 311
- paramagnetic macrocyclic complexes as contrast agents for MR imaging: proton nuclear relaxation rate enhancement in aqueous solution and in rat tissues. Jackels SC; Kroos BR; Hinson WH; Karstaedt N; Moran PR. *Radiology* 1986; 159: 525
- perfluorochemicals as gastrointestinal contrast agents for MR imaging: preliminary studies in rats and humans. Mattrey RF; Hajek PC; Gyllys-Morin VM; et al. *AJR* 1987; 148: 1259
- phospholipid spin label used as a liposome-associated MRI contrast agent. Grant CWM; Barber KR; Florio E; et al. *Magn Res Med* 1987; 5: 371
- pituitary adenomas in patients with Cushing disease: initial experience with Gd-DTPA-enhanced MR imaging. Dwyer AJ; Frank JA; Doppman JL; Oldfield EH; Hickey AM; Cutler GB Jr; Loriaux DL; Schiavone TF. *Radiology* 1987; 163: 421
- potential contrast agents for MR arthrography: in vitro evaluation and practical observations. Hajek PC; Sartoris DJ; Neumann CH; et al. *AJR* 1987; 149: 97
- quantitation of MR relaxation effects of iron oxide particles in liver and spleen. Majumdar S; Zoghbi S; Pope CF; Gore JC. *Radiology* 1988; 169: 653
- relaxation enhancement of the dog liver and spleen by biodegradable superparamagnetic particles in proton magnetic resonance imaging. Hemmingsson A; Carlsten J; Ericsson A; et al. *Acta Radiol* 1987; 28: 703
- relaxation of water protons in the intra- and extracellular regions of blood containing Gd(DTPA). Koenig SH; Spiller M; Brown RD III; et al. *Magn Res Med* 1986; 3: 791
- sensitivity of Gd-DTPA-enhanced MR imaging of benign extraaxial tumors. Haughton VM; Kimm AA; Czervonke LF; Breger RK; Fisher ME; Papke RA; Hendrix LE; Strother CM; Turski PA; Williams AL; Daniels DL. *Radiology* 1988; 168: 829
- superparamagnetic iron oxide: clinical application as a contrast agent for MR imaging of the liver. Stark DD; Weissleder R; Elizondo G; Hahn PF; Saini S; Todd LE; Wittenberg J; Ferrucci JT. *Radiology* 1988; 168: 297
- superparamagnetic iron oxide: enhanced detection of focal splenic tumors with MR imaging. Weissleder R; Hahn PF; Stark DD; Elizondo G; Saini S; Todd LE; Wittenberg J; Ferrucci JT. *Radiology* 1988; 169: 399
- superparamagnetic iron oxide particles. Gore JC; Majumdar S. *Radiology* 1988; 169: 657
- time-dependent changes in image contrast in brain tumors after gadolinium-DTPA. Schorner W; Laniado M; Niendorf HP; et al. *AJNR* 1986; 7: 1013
- tissue distribution and stability of metalloporphyrin MRI contrast agents. Lyon RC; Faustino PJ; Cohen JS; et al. *Magn Res Med* 1987; 4: 24
- use of gadolinium-DTPA as a myocardial perfusion agent: potential applications and limitations for magnetic resonance imaging. Johnston DL; Liu P; Lauffer RB; et al. *J Nucl Med* 1987; 28: 871
- Magnetic resonance (MR), experimental**
 - acute experimental cerebral ischemia: MR enhancement using Gd-DTPA. McNamara MT; Brant-Zawadzki M; Berry I; Pereira B; Weinstein PR; Derugin N; Moore S; Kucharczyk W; Brasch RC. *Radiology* 1986; 158: 701
 - acute volume loading studied in cat myocardium with ³¹P nuclear magnetic resonance. Osbakken M; Young M; Huddell J; et al. *Magn Res Med* 1988; 7: 143
 - age-dependent variation of T1 and T2 relaxation times of adenocarcinoma in mice. Kovalikova Z; Hoehn-Berlage MH; Gersonde K; Porschen R; Mittermayer C; Franke R-P. *Radiology* 1987; 164: 543
 - alterations in MR relaxation of normal canine gallbladder bile during fasting. Kang YS; Pope CF; Gore JC. *Magn Res Med* 1986; 4: 399
 - application of a T2-filtered COSY experiment to identify the origin of slowly relaxing species in normal and malignant tissue. Williams PG; Saunders JK; Dyne M; et al. *Magn Res Med* 1988; 7: 463
 - attenuation of morphine-induced analgesia in mice by exposure to magnetic resonance imaging: separate effects of the static, radiofrequency and time-varying magnetic fields. Prato FS; Ossenkopp K-P; Kavaliers M; et al. *Magn Res Med* 1987; 5: 9
 - behavioral effects of exposure to nuclear magnetic resonance imaging: I. open-field behavior and passive avoidance learning in rats. Ossenkopp K-P; Innis NK; Prato FS; et al. *Magn Res Med* 1986; 4: 275
 - behavioral effects of exposure to nuclear magnetic resonance imaging: II. spatial memory tests. Innis NK; Ossenkopp K-P; Prato FS; et al. *Magn Res Med* 1986; 4: 281
 - breast and axillary tissue MR imaging: correlation of signal intensities and relaxation times with pathologic findings. Wiener JL; Chako AC; Merten CW; Gross S; Coffey EL; Stein HL. *Radiology* 1986; 160: 299
 - changes in proton relaxation times of the rat spleen during adjuvant-induced immunologic reaction. Terrier F; Revel D; Hricak H; et al. *Invest Radiol* 1986; 21: 221
 - comparison of in vivo ³¹P-MR spectra of the brain, liver, and kidney of adult and infant animals. Schmidt HC; Gooding CA; James TL; et al. *Pediatr Radiol* 1986; 16: 144
 - comparison of lactate concentration determinations in ischemic and hypoxic rat brains by in vivo and in vitro ¹H NMR spectroscopy. Chang L-H; Pereira BM; Weinstein PR; et al. *Magn Res Med* 1987; 4: 575
 - contiguous thin multislice MR imaging by two-dimensional Fourier transform techniques. Feinberg DA; Crooks LE; Hoenninger JC; Watts JC; Arakawa M; Chang H; Kaufman L. *Radiology* 1986; 158: 811
 - contrast-enhanced MRI of periarthral soft-tissue changes in experimental arthritis of the rat. Terrier F; Revel D; Reinhold CE; et al. *Magn Res Med* 1986; 3: 385
 - covalent binding of a fluorinated 2-nitroimidazole to EMT-6 tumors in BALB/C mice: detection by F-19 nuclear magnetic resonance at 2.35 T. Raleigh JA; Franko AJ; Treiber EO; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1243
 - dedicated MR receiver coils: simple design and construction method. Wall BE; Wolfman NT; Williams R; Moran PR. *Radiology* 1986; 160: 273
 - detection of metabolites in rabbit brain by ¹³C NMR spectroscopy following administration of [¹³C]glucose. Behar KL; Petroff OAC; Prichard JW; et al. *Magn Res Med* 1986; 3: 911
 - determination of flow velocities from magnetic resonance multiple spin-echo images: a phantom study. Ståhlberg F; Henriksen O; Thomsen C; et al. *Acta Radiol* 1987; 28: 643
 - differentiation of parenchymal lung disorders with in vitro proton nuclear magnetic resonance. Vrtkai S; Pearson MG; Karlik SJ; et al. *Magn Res Med* 1986; 3: 120
 - dynamic digital subtraction imaging using fast low-angle shot MR movie sequences. Haase A; Matthaei D; Hanicke W; Frahm J. *Radiology* 1986; 160: 537
 - echo-planar pediatric imager. Crooks LE; Arakawa M; Hylton NM; Avram H; Hoenninger JC; Watts JC; Hale JD; Kaufman L. *Radiology* 1988; 166: 157
 - edema and the lack of blood perfusion produce opposite effects on the magnetic resonance characteristics of acutely ischemic rat kidneys. Terrier F; Hricak H; Berry I; et al. *Invest Radiol* 1987; 22: 118
 - effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy. Rehr RB; Tatum JL; Hirsch JI; Wetstein L; Clarke G. *Radiology* 1988; 168: 81
 - effect of intersection spacing on MR image contrast and study time. Kneeland JB; Shimakawa A; Wehrli FW. *Radiology* 1986; 158: 819
 - effect of moderate blood alcohol levels on T1 and T2 relaxation times in the brains of normal volunteers. Logsdail S; Miller D; Macmanus D; et al. *Magn Res Med* 1987; 4: 378
 - effect of stress on proton relaxation times (T1 and T2) of rat liver. Chandra R; Pizzarello DJ. *Invest Radiol* 1986; 21: 652
 - effects of calcium antagonists on high-energy phosphates in ischemic rat brain measured by ³¹P NMR spectroscopy. Sauter A; Rudin M. *Magn Res Med* 1987; 4: 1
 - effects of mitotic activity and water content on the proton relaxation times in partially hepatectomized and sham-operated rat livers. Pizzarello DJ; Chandra R. *Invest Radiol* 1986; 21: 320
 - evaluation of relaxation time measurements by magnetic resonance imaging: a phantom study. Kjaer L; Thomsen C; Henriksen O; et al. *Acta Radiol* 1987; 28: 345
 - F-19 MR imaging of glucose metabolism in the rabbit. Nakada T; Kwee IL; Griffey BV; Griffey RH. *Radiology* 1988; 168: 823
 - feasibility study of imaging a living murine tumor by electron paramagnetic resonance. Berliner LJ; Fujii H; Wan X; et al. *Magn Res Med* 1987; 4: 380
 - ferrite particles: superparamagnetic MR contrast agent for the reticuloendothelial system. Saini S; Stark DD; Hahn PF; Wittenberg J; Brady TJ; Ferrucci JT Jr. *Radiology* 1987; 162: 211
 - ferrite particles: superparamagnetic MR contrast agent for enhanced detection of liver carcinoma. Saini S; Stark DD; Hahn PF; Bousquet J-C; Introcaso J; Wittenberg J; Brady TJ; Ferrucci JT Jr. *Radiology* 1987; 162: 217
 - flip-angle effect: method for detection of sodium-23 quadrupole splitting in tissue. Joseph PM; Summers RM. *Magn Res Med* 1987; 4: 67
 - ¹⁹F magnetic resonance imaging of the reticuloendothelial system. Ratner AV; Hurd R; Muller HH; et al. *Magn Res Med* 1987; 5: 548
 - gadolinium-DTPA enhancement of experimental soft tissue carcinoma and hemorrhage in magnetic resonance imaging. Pettersson H; Ackerman N; Kaude J; et al. *Acta Radiol* 1987; 28: 75
 - gross morphologic, histologic, hematologic, and blood chemistry study of adult and neonatal mice chronically exposed to high magnetic fields. Osbakken MD; Griffith J; Taczanowski P. *Magn Res Med* 1986; 3: 502
 - high resolution nuclear magnetic resonance imaging of pig knees at 4.7 T. Robinson EM; Mackenzie IS; Freemont A; et al. *Magn Res Med* 1988; 6: 591
 - ¹H-NMR relaxation times and water compartmentalization in experimental tumor models. Braunschweiger PG; Schiffer LM; Furmansk P. *Magn Res Med* 1986; 4: 335
 - ¹H NMR studies of urine during fasting: excretion of ketone bodies and acetylcarbitine. Bales JR; Bell JD; Nicholson JK; et al. *Magn Res Med* 1986; 3: 849
 - influence of NMR measuring sequences and gradient variation on signals from flowing systems. magnetic resonance tomography on experimental models. Strecker E-P; Holz M; Meyer-Waarden K; et al. *Eur J Radiol* 1986; 6: 53

- in vivo contour plot, an improved representation of stimulus experiments, Offermann W; Kuhn W; Soboll S; et al. *Magn Res Med* 1987; 4: 507
- in vivo evaluation of intracellular pH and high-energy phosphate metabolites during regional myocardial ischemia in cats using ^{31}P nuclear magnetic resonance, Stein PD; Goldstein S; Sabbah HN; et al. *Magn Res Med* 1986; 3: 262
- in vivo MR spectroscopy of human subjects with a 1.4-T whole-body MR imager, Ng TC; Majors AW; Meaney TF. *Radiology* 1986; 158: 517
- in vivo ^{31}P -MR spectroscopy of the liver in the infant rabbit to study the effect of hypoxia on the phosphorus metabolites and intracellular pH, Schmidt HC; Gooding CA; James TL. *Invest Radiol* 1986; 21: 156
- in vivo ^{31}P NMR spectroscopy of agonist-stimulated phosphatidylinositol metabolism in cat brain, Renshaw PF; Schnall MD; Leigh JS Jr. *Magn Res Med* 1987; 4: 221
- in vivo ^{31}P NMR studies of avian dystrophic muscles, Narayana PA; Delaney JL; Misra LK. *Magn Res Med* 1986; 3: 549
- in vivo ^{31}P NMR study of cerebral hypoxic hypoxia in rats, Litt L; Gonzalez-Mendez R; Weinstein PR; et al. *Magn Res Med* 1986; 3: 619
- joint effusions: MR imaging, Beltran J; Noto AM; Herman LJ; Masure JC; Burk JM; Christoforidis AJ. *Radiology* 1986; 158: 133
- lactate accumulation in ischemic and anoxic-isolated rat hearts assessed by ^1H -1 spectroscopy, Richards TL; Terrier F; Stevens KE; et al. *Invest Radiol* 1987; 22: 638
- liver adenine nucleotide metabolism during ischemia and reperfusion of mice livers studied by phosphorus-31 nuclear magnetic resonance, Lee RGL; Lanir A; Clouse ME. *Invest Radiol* 1987; 22: 479
- localization of phosphorus metabolites and sodium ions in the rat kidney, Bogusky RT; Garwood M; Matson GB; et al. *Magn Res Med* 1986; 3: 251
- low sensitivity of clinical MR imaging to small changes in the concentration of nonparamagnetic protein, Hackney DB; Grossman RI; Zimmerman RA; et al. *AJNR* 1987; 8: 1003
- magnetic field dependence (NMRD profile) of $1/\text{T}_1$ of rabbit kidney medulla and urine after intravenous injection of Gd(DTPA), Koenig SH; Spiller M; Brown RD III; et al. *Invest Radiol* 1986; 21: 697
- magnetic resonance angiography, Dumoulin CL; Hart HR Jr. *Radiology* 1986; 161: 717
- magnetic resonance imaging of experimental mumps meningoencephalitis in suckling hamsters, Narayana PA; Wolinsky JS; Jensen DJ. *Magn Res Med* 1987; 4: 597
- magnetic resonance imaging of parasitic tapeworm larvae *Taenia crassiceps* cysticerci in the peritoneal cavity of mice, Haselgrove J; Grun J; Owen CS; et al. *Magn Res Med* 1987; 4: 517
- magnetic resonance imaging of rabbit brain after intracarotid injection of large multivesicular liposomes containing paramagnetic metals and DTPA, Turski P; Kalinke T; Strother L; et al. *Magn Res Med* 1988; 7: 184
- magnetic resonance microscopy of the rat thorax and abdomen, Hedlund LW; Johnson GA; Mills GI. *Invest Radiol* 1986; 21: 843
- measurement of canine left ventricular mass by using MR imaging, Caputo GR; Tscholakoff D; Sechtem U; et al. *AJR* 1987; 148: 33
- meniscal tears: MR demonstration of experimentally produced injuries, Beltran J; Noto AM; Masure JC; Bools JC; Zuelzer WA; Christoforidis AJ. *Radiology* 1986; 158: 691
- metabolic consequences of anoxia in the isolated, perfused guinea pig heart: anaerobic metabolism of endogenous amino acids, Brainard JR; Hoekenga DE; Hutson JV. *Magn Res Med* 1986; 3: 673
- metabolic fate in the dog of the nitroxide moiety in a compound with potential utility as a contrast agent in MRI, Eriksson UG; Ogan MD; Peng C-T; et al. *Magn Res Med* 1987; 5: 73
- methodology of in vivo human sodium MR imaging at 1.5 T, Perman WH; Turski PA; Houston LW; Glover GH; Hayes CE. *Radiology* 1986; 160: 811
- mobile phospholipid signals in NMR spectra of cultured human adenocarcinoma cells, Guidoni L; Mariotti G; Rampelli GM; et al. *Magn Res Med* 1987; 5: 578
- MR demonstration of the nasal cycle in the beagle dog, Webber RL; Jeffcoat MK; Harman JT; et al. *JCAT* 1987; 11: 869
- MR gated subtraction angiography: evaluation of lower extremities, Meuli RA; Wedeen VJ; Geller SC; Edelman RR; Frank LR; Brady TJ; Rosen BR. *Radiology* 1986; 159: 411
- MR-guided aspiration biopsy: needle design and clinical trials, Mueller PR; Stark DD; Simeone JF; Saini S; Butch RJ; Edelman RR; Wittenberg J; Ferrucci JT Jr. *Radiology* 1986; 161: 605
- MR imaging of pulmonary emboli: experimental study in dogs, Stein MG; Craes JV III; Bradley WG Jr; et al. *AJR* 1986; 147: 1133
- MR imaging of susceptibility-induced magnetic field inhomogeneities, Wendt RE III; Wilcott MR III; Nitz W; Murphy PH; Bryan RN. *Radiology* 1988; 168: 837
- MRI phantom material for quantitative relaxometry, Kraft KA; Fatouros PP; Clarke GD; et al. *Magn Res Med* 1987; 5: 555
- MRI study of a feline model of acute cerebral ischemia: contribution of paramagnetic contrast media to the diagnosis, Berry I; Brant-Zawadzki M; Manelfe C. *J Neuroradiol* 1988; 15: 95
- MR "microscopy" of the rat thorax, Hedlund LW; Johnson GA; Karis JP; et al. *JCAT* 1986; 10: 948
- multinuclear MR imaging: technique for combined anatomic and physiologic studies, Schnall MD; Bolinger L; Renshaw PF; Haselgrove JC; Subramanian VH; Eleff SM; Barlow C; Leigh JS Jr; Chance B. *Radiology* 1987; 162: 863
- murine in vivo L-band ESR spin-label oximetry with a loop-gap resonator, Subczynski WK; Lukiewicz S; Hyde JS. *Magn Res Med* 1986; 3: 747
- myocardial high energy phosphate metabolism in closed chest dog: creation of an animal model, Osbakken M; Ligeti L; Clark BJ; et al. *Magn Res Med* 1986; 3: 801
- neurometabolic effects of an inborn error of amino acid metabolism demonstrated in vivo by ^1H NMR, Gadian DG; Proctor E; Williams SR; et al. *Magn Res Med* 1986; 3: 150
- noninvasive evaluation of effects of an aldose reductase inhibitor in rat brain by ^{19}F FDG NMR spectroscopy, Nakada T; Kwee IL. *Magn Res Med* 1987; 4: 366
- nuclear magnetic resonance assessment of adenosine triphosphate (ATP) dynamics in ischemic mouse livers perfused with adenine and ribose, Lee RGL; Springer C; Kasulis P; et al. *Invest Radiol* 1987; 22: 685
- nuclear magnetic resonance imaging characterization of a rat mammary tumor, Osbakken MD; Kreider JW; Taczanowski P. *Magn Res Med* 1986; 3: 1
- nuclear magnetic resonance spectroscopy of rat ventricles following supravalvular aortic banding: model of left ventricular hypertrophy, Fried R; Bost LM; Miller RH III; et al. *Invest Radiol* 1986; 21: 622
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Cohen FJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL. *Radiology* 1987; 164: 527
- ^{31}P and ^{23}Na NMR studies of the structure and lability of the sodium shift reagent, bis(tripolyphosphatidy)prosilium(III) ($[\text{Dy}(\text{P}_3\text{O}_{10})]^{3-}$) ion, and its decomposition in the presence of rat muscle, Matwiyoff NA; Gasparovic C; Wenk R; et al. *Magn Res Med* 1986; 3: 164
- paramagnetic enhanced proton magnetic resonance measurement in rats: correlates with renal function, Iaina A; Weininger J; Abrashkin S. *Magn Res Med* 1988; 6: 131
- paramagnetic macrocyclic complexes as contrast agents for MR imaging: proton nuclear relaxation rate enhancement in aqueous solution and in rat tissues, Jackels SC; Kroos BR; Hinson WH; Karstedt N; Moran FR. *Radiology* 1986; 159: 525
- perfusion technique for ^{13}C NMR studies of the metabolism of ^{13}C -labeled substrates by mammalian cells, Lyon RC; Faustino PJ; Cohen JS. *Magn Res Med* 1986; 3: 663
- phantom study of intracranial CSF signal loss due to pulsatile motion, Malko JA; Hoffman JC Jr; McClees EC; et al. *AJNR* 1988; 9: 83
- phosphorus-31 magnetic resonance spectroscopy of experimentally induced arthritis in rats, Blatter DD. *Skeletal Radiol* 1987; 16: 183
- phosphorus-31 nuclear magnetic resonance measurements of 2,3-DPG degradation in human adult and cord blood erythrocytes, Zwerling HK; Diamond JN; Levy GC; et al. *Magn Res Med* 1986; 3: 10
- ^{31}P magnetization transfer studies of creatine kinase kinetics in living rabbit brain, Degani H; Alger JR; Shulman RG; et al. *Magn Res Med* 1987; 5: 1
- ^{31}P NMR detection of mobile dog brain phospholipids, Cerdan S; Subramanian VH; Huberman M; et al. *Magn Res Med* 1986; 3: 432
- ^{31}P NMR spectroscopy of an experimentally induced intracerebral tumor in mice, Ross BD; Higgins RJ; Conley FK; et al. *Magn Res Med* 1987; 4: 323
- postnatal NMR changes in guinea pig central nervous system: potential relevance to experimental allergic encephalomyelitis, Noseworthy JH; Gilbert JJ; Vandervoort MK; et al. *Magn Res Med* 1988; 6: 199
- proton MR study of different types of experimental acute renal failure in rats, Iaina A; Abrashkin S; Weininger J. *Magn Res Med* 1986; 4: 241
- proton relaxation enhancement by manganese(III)TPPS₃ in a model tumor system, Fiel RJ; Button TM; Gilani S; et al. *Magn Res Med* 1987; 5: 149
- pulse sequence extrapolation with MR image synthesis, Bobman SA; Riederer SJ; Lee JN; Tasciyan T; Farzaneh F; Wang HZ. *Radiology* 1986; 159: 253
- quantification of pulsatile flow in MRI by an analysis of T_2 changes in ECG-gated multislice experiments, Mueller E; Deimling M; Reinhardt ER. *Magn Res Med* 1986; 3: 331
- quantitative phase-flow MR imaging in dogs by using standard sequences: comparison with in vivo flow-meter measurements, Fettiplace RJ; Dannels W; Galloway JR; et al. *AJR* 1987; 148: 411
- relaxation enhancement of the dog liver and spleen by biodegradable superparamagnetic particles in proton magnetic resonance imaging, Hemmingsson A; Carlsten J; Ericsson A; et al. *Acta Radiol* 1987; 28: 703
- relaxation times in paramagnetically doped agarose gels as a function of temperature and ion concentration, Howe FA. *Magn Res Med* 1988; 6: 263
- relaxivity and binding of Mn^{2+} ions in solutions of phosphatidylserine vesicles, Koenig SH; Brown RD III; Kurland R; et al. *Magn Res Med* 1988; 7: 133
- separation of lipid and water MR imaging signals by chopper averaging in the time domain, Szumowski J; Plewes DB. *Radiology* 1987; 165: 247
- signal-to-noise ratio and section thickness in two-dimensional versus three-dimensional Fourier transform MR imaging, Carlson J; Crooks LE; Ortendahl DA; Kramer DM; Kaufman L. *Radiology* 1988; 166: 266
- simulation of patient loading in nuclear magnetic resonance imaging through the use of inductive damping loops, Jennings SJ; Lerski RA; McRobbie DW; et al. *Br J Radiol* 1986; 59: 1031
- small animal imaging with a clinical magnetic resonance imager, Henkelman RM; van Heteren JG; Bronskill MJ. *Magn Res Med* 1987; 4: 61

Magnetic resonance (MR), experimental

- sodium NMR imaging of lung water in rats, Kundel HL; Shetty A; Joseph PM; et al, *Magn Res Med* 1988; 6: 381
- spin-echo fluorine magnetic resonance imaging at 2 T: in vivo spatial distribution of halothane in the rabbit head, Chew WM; Moseley ME; Mills PA; et al, *Magn Res Med* 1987; 5: 51
- subcellular localization of gadolinium in the rat brain, Allard M; Kien P; Caille JM; et al, *J Neuroradiol* 1987; 14: 159
- superficial- and deep-tissue temperature increases in anesthetized dogs during exposure to high specific absorption rates in a 1.5-T MR imager, Shuman WP; Haynor DR; Guy AW; Wesbey GE; Schaefer DJ; Moss AA, *Radiology* 1988; 167: 551
- temporal fluctuations in proton relaxation times, Sostman HD; Zoghbi SS; Gore J, *Magn Res Med* 1986; 4: 479
- three-dimensional magnetic resonance microscopy of the developing chick embryo, Bone SN; Johnson GA; Thompson MB, *Invest Radiol* 1986; 21: 782
- three-dimensional MRI microscopy of the normal rat brain, Johnson GA; Thompson MB; Drayer BP, *Magn Res Med* 1987; 4: 351
- time-of-flight MR flow imaging: selective saturation recovery with gradient refocusing, Wehrli FW; Shimakawa A; Gullberg GT; MacFall JR, *Radiology* 1986; 160: 781
- visibility of mammalian hepatic glycogen to the NMR experiment, in vivo, Shalwitz RA; Reo NV; Becker NN; et al, *Magn Res Med* 1987; 5: 462
- visualization of moving fluid: quantitative analysis of blood flow velocity using MR imaging, Shimizu K; Matsuda T; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Mano H; Kawai C; Kiri M, *Radiology* 1986; 159: 195
- water content and NMR relaxation time gradients in the rabbit kidney, Kundel HL; Schlakman B; Joseph PM; et al, *Invest Radiol* 1986; 21: 12
- whole-body MR imaging and spectroscopy at 4 T: where do we go from here?, Ortendahl DA, *Radiology* 1988; 169: 864
- whole-body MR imaging and spectroscopy with a 4-T system, Barfuss H; Fischer H; Hentschel D; Ladebeck R; Vetter J, *Radiology* 1988; 169: 811
- Magnetic resonance (MR), image display**
- automated registration of multimodality images, Vannier MW; Gayou DE, *Radiology* 1988; 169: 860
- hybrid color MR image display, Weiss KL; Stiving SO; Herderick EE; et al, *AJR* 1987; 149: 825
- immature brain: spin-echo pulse sequence parameters for high-contrast MR imaging, Nowell MA; Hackney DB; Zimmerman RA; Bilaniuk LT; Grossman RI; Goldberg HI, *Radiology* 1987; 162: 272
- oblique planes of section in MR imaging, Edelman RR; Stark DD; Saini S; Ferrucci JT Jr; Dinsmore RE; Ladd W; Brady TJ, *Radiology* 1986; 159: 809
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- surface coil proton MR imaging at 2 T, Roschmann P; Tischler R, *Radiology* 1986; 161: 251
- techniques for the rapid display and manipulation of 3-D biomedical data, Goldwasser SM; Reynolds RA; Talton DA; et al, *Comput Med Imag Graph* 1988; 12: 1
- techniques of non-orthogonal magnetic resonance imaging and its clinical application, Kulkarni MV; Price RR; Mehta SD; et al, *Magn Res Med* 1987; 5: 39
- utility of principal component analysis for the image display of brain lesions, preliminary, comparative study, Schmiedl U; Ortendahl DA; Mark AS; et al, *Magn Res Med* 1987; 4: 471
- Magnetic resonance (MR), image processing**
- application of image enhancement techniques to magnetic resonance imaging, Wood ML; Runge VM, *Radiographics* 1988; 8: 771
- automated registration of multimodality images, Vannier MW; Gayou DE, *Radiology* 1988; 169: 860
- cerebrospinal fluid pulsation: benefits and pitfalls in MR imaging, Enzmann DR; Rubin JB; DeLaPaz R; Wright A, *Radiology* 1986; 161: 773
- characteristics of partial flip angle and gradient reversal MR imaging, Winkler ML; Ortendahl DA; Mills TC; Crooks LE; Sheldon FE; Kaufman L; Kramer DM, *Radiology* 1988; 166: 17
- chemical shift-based true water and fat images: regional phase correction of modified spin-echo MR images, Borello JA; Chenevert TL; Meyer CR; Aisen AM; Glazer GM, *Radiology* 1987; 164: 531
- contiguous thin multislice MR imaging by two-dimensional Fourier transform techniques, Feinberg DA; Crooks LE; Hoenninger JC; Watts JC; Arakawa M; Chang H; Kaufman L, *Radiology* 1986; 158: 811
- dynamic digital subtraction imaging using fast low-angle shot MR movie sequences, Haase A; Matthaei D; Hanicke W; Frahm J, *Radiology* 1986; 160: 537
- effect of intersection spacing on MR image contrast and study time, Kneeland JB; Shimakawa A; Wehrli FW, *Radiology* 1986; 158: 819
- hemorrhagic and nonhemorrhagic brain lesions: evaluation with 0.35-T fast M² imaging, Winkler ML; Olsen WL; Mills TC; Kaufman L, *Radiology* 1987; 165: 203
- image non-uniformity in magnetic resonance imaging: its magnitude and methods for its correction, Condon BR; Patterson J; Wyper D; et al, *Br J Radiol* 1987; 60: 83
- instrumentation for rapid MR image synthesis, Lee JN; Riederer SJ; Bobman SA; et al, *Magn Res Med* 1986; 3: 33
- intravascular signal in MR imaging: use of phase display for differentiation of blood-flow signal from intraluminal disease, White EM; Edelman RR; Wedeen VJ; Brady TJ, *Radiology* 1986; 161: 245
- liver volume measurements and three-dimensional display from MR images, McNeal GR; Maynard WH; Branch RA; Powers TA; Arns PA; Gunter K; Fitzpatrick JM; Partain CL, *Radiology* 1988; 169: 851
- magnetic resonance angiography, Dumoulin CL; Hart HR Jr, *Radiology* 1986; 161: 717
- magnetic resonance imaging—a clinical perspective: image quality, safety and risk management, Merritt CRB, *Radiographics* 1987; 7: 1001
- mitral or aortic regurgitation: quantification of regurgitant volumes with cine MR imaging, Sechtem U; Pfugfelder PW; Cassidy MM; White RD; Cheitlin MD; Schiller NB; Higgins CB, *Radiology* 1988; 167: 425
- MR instrumentation and image formation, Pavlicek W, *Radiographics* 1987; 7: 809
- multiphasic MR imaging: new method for direct imaging of pulsatile CSF flow, Edelman RR; Wedeen VJ; Davis KR; Widder D; Hahn PF; Shoukimas GM; Brady TJ, *Radiology* 1986; 161: 779
- musculoskeletal tumors: improved depiction with linear combinations of MR images, Levin DN; Herrmann A; Spraggins TA; Collins PA; Dixon LB; Simon MA; Stillman AE, *Radiology* 1987; 163: 545
- noise-reduced prosthetic MR imaging: work in progress, Sommer G; Brosnan T; Cao Q; Nishimura D; Macovski A; McNeal J, *Radiology* 1988; 169: 347
- optimum acquisition times of two spin echoes for MR image synthesis, Lee JN; Riederer SJ, *Magn Res Med* 1986; 3: 634
- pulse sequence extrapolation with MR image synthesis, Bobman SA; Riederer SJ; Lee JN; Tasciyan T; Farzaneh F; Wang HZ, *Radiology* 1986; 159: 253
- quantitative flow measurement with the fast Fourier flow technique, Hennig J; Müri M; Brunner P; Friedburg H, *Radiology* 1988; 166: 237
- retrospective geometric correlation of MR, CT, and PET images, Levin DN; Pelizzari CA; Chen GTY; Chen C-T; Cooper MD, *Radiology* 1988; 169: 817
- separation of lipid and water MR imaging signals by chopper averaging in the time domain, Szumowski J; Plewes DB, *Radiology* 1987; 165: 247
- separation of true fat and water images by correcting magnetic field inhomogeneity in situ, Yeung HN; Kormos DW, *Radiology* 1986; 159: 783
- simultaneous reception from a whole-volume coil and a surface coil on a clinical MR system, Kneeland JB; Jesmanowicz A; Francis W; Hyde JS, *Radiology* 1988; 169: 255
- Magnetic resonance (MR), in infants and children**
- abnormalities of the neonatal brain: MR imaging, part I. intracranial hemorrhage, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Crofford MJ; Amparo EG, *Radiology* 1987; 163: 387
- abnormalities of the neonatal brain: MR imaging, part II. hypoxic-ischemic brain injury, McArdle CB; Richardson CJ; Hayden CK; Nicholas DA; Amparo EG, *Radiology* 1987; 163: 395
- applications of magnetic resonance imaging in diseases of the pediatric central nervous system, Zimmerman RA; Bilaniuk LT, *Magn Res Med* 1986; 4: 11
- central nervous system lesions in pediatric patients: Gd-DTPA-enhanced MR imaging, Powers TA; Partain CL; Kessler RM; Freeman MW; Robertson RH; Wyatt SH; Whelan HT, *Radiology* 1988; 169: 723
- chest MRI in children, Kangaroo H, *Radiol Clin North Am* 1988; 26: 263
- childhood scoliosis: MR imaging, Nokes SR; Murtagh FR; Jor, as JD III; Downing M; Arrington JA; Turetsky D; Silbiger ML, *Radiology* 1987; 164: 791
- clinical utility of magnetic resonance imaging in pediatric neurosurgical patients, (ab), Hanigan WC; Wright SM; Wright RM, *Radiology* 1986; 160: 862
- coarctation of the aorta in children undergoing angioplasty: pretreatment and posttreatment MR imaging, Bank ER; Aisen AM; Rocchini AP; Hernandez RJ, *Radiology* 1987; 162: 235
- combined application of MR imaging and spectroscopy in neonates and children: installation and operation of a 2.35-T system in a clinical setting, Boesch C; Martin E, *Radiology* 1988; 168: 481
- concealment of neonatal cerebral infarction on MRI by normal brain water, Moore JB; Parker CP; Smith RJ; et al, *Pediatr Radiol* 1987; 17: 314
- congenital abnormalities of the aortic arch: MR imaging, Gomes AS; Lois JF; George B; Aplan G; Williams RG, *Radiology* 1987; 165: 691
- congenital anorectal anomalies: MR imaging, Sato Y; Pringle KC; Bergman RA; Yuh WTC; Smith WL; Soper RT; Franken EA Jr, *Radiology* 1988; 168: 157
- detection of heterotopic gray matter in children by magnetic resonance imaging, Dunn V; Mock T; Bell WE; et al, *Magn Res Med* 1986; 4: 33
- developmental features of the neonatal brain: MR imaging, part I. gray-white matter differentiation and myelination, McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG, *Radiology* 1987; 162: 223
- developmental features of the neonatal brain: MR imaging, part II. ventricular size and extracerebral space, McArdle CB; Richardson CJ; Nicholas DA; Mirfakhraee M; Hayden CK; Amparo EG, *Radiology* 1987; 162: 230
- echo-planar pediatric imager, Crooks LE; Arakawa M; Hylton NM; Avram H; Hoenninger JC; Watts JC; Hale JD; Kaufman L, *Radiology* 1988; 166: 157
- head and neck MR imaging in the pediatric patient, Dietrich RB; Lufkin RB; Kangaroo H; Hanafee WN; Wilson GH, *Radiology* 1986; 159: 769
- high-resolution magnetic resonance imaging of the brain in children, Dubowitz LMS; Penneck JM; Johnson MA; et al, *Clin Radiol* 1986; 37: 113
- imaging the pediatric liver: MRI and CT, Weisreub JC; Cohen JM; Armstrong E; et al, *AJR* 1986; 147: 785
- immature brain: spin-echo pulse sequence parameters for high-contrast MR imaging, Nowell MA; Hackney DB; Zimmerman RA; Bilaniuk LT; Grossman RI; Goldberg HI, *Radiology* 1987; 162: 272

- iron accumulation in the basal ganglia following severe ischemic-anoxic insults in children, Dietrich RB; Bradley WG Jr, *Radiology* 1988; 168: 203
- kidneys in infants and children: evaluation with MR, Dietrich RB; Kangaroo H, *Radiology* 1986; 159: 215
- magnetic resonance imaging in childhood intracranial masses, Barnes PD; Lester PD; Yamanashi WS; et al, *Magn Res Imag* 1986; 4: 41
- magnetic resonance imaging in pediatric vascular disease, Mayo J; Culham JAG, *J Canad Assoc Radiol* 1987; 38: 165
- magnetic resonance imaging in the evaluation of treatment-related central nervous system damage, (ab), Packer RJ; Zimmerman RA; Bilaniuk LT, *Radiology* 1987; 162: 888
- magnetic resonance imaging of children with Duchenne muscular dystrophy, Schreiber A; Smith WL; Ionescu V; et al, *Pediatr Radiol* 1987; 17: 495
- magnetic resonance imaging of the brain in children, Pennock JM; Bydder GM; Dubowitz LMS; et al, *Magn Res Imag* 1986; 4: 1
- magnetic resonance imaging of the pediatric spine, Walker HS; Dietrich RB; Flannigan BD; Lufkin RB; Peacock WJ; Kangaroo H, *Radiographics* 1987; 7: 1029
- magnetic resonance imaging of the pediatric thorax: initial experience, Laurin S; Williams JL; Fitzsimmons JR, *Eur J Radiol* 1986; 6: 36
- magnetic resonance imaging of the spine in children, (ab), Bale JF Jr; Bell WE; Dunn V; et al, *Radiology* 1987; 163: 295
- mediastinal lesions in children: comparison of CT and MR, Siegel MJ; Nadel SN; Glazer HS; Sagel SS, *Radiology* 1986; 160: 241
- monitoring of the neonate undergoing MR imaging: technical considerations: work in progress, McArdle CB; Nicholas DA; Richardson CJ; Amparo EG, *Radiology* 1986; 159: 223
- monitoring of the neonate undergoing MR imaging: technical considerations: work in progress, McArdle CB; Nicholas DA; Richardson CJ; Amparo EG, *Radiology* 1986; 159: 223
- MRI in children with postinfectious disseminated encephalomyelitis, Dunn V; Bale JF Jr; Zimmerman RA; et al, *Magn Res Imag* 1986; 4: 25
- MR imaging in infants with airway obstruction: preliminary observations, Fletcher BD; Dearborn DG; Mulopulos GP, *Radiology* 1986; 160: 245
- MR imaging of bone marrow in children, Kangaroo H; Dietrich RB; Taira RT; et al, *JCAT* 1986; 10: 205
- MRI of multiple limb abscesses in a child, Cremin BJ; Wynchank S, *Australas Radiol* 1987; 31: 202
- neuroblastoma: the role of MR imaging, Dietrich RB; Kangaroo H; Lenarsky C; et al, *AJR* 1987; 148: 937
- normal maturation of the neonatal and infant brain: MR imaging at 1.5 T, Barkovich AJ; Kjos BO; Jackson DE Jr; Norman D, *Radiology* 1988; 166: 173
- normal maturation of the neonatal and infant brain: MR imaging at 1.5 T, Barkovich AJ; Kjos BO; Jackson DE Jr; Norman D, *Radiology* 1988; 166: 173
- paediatric MR imaging—current clinical applications, Davies RP; Sorby WA, *Australas Radiol* 1988; 32: 184
- pediatric musculoskeletal magnetic resonance imaging, Kanal E; Burk DL Jr; Brunberg JA; et al, *Radiol Clin North Am* 1988; 26: 211
- pediatric radiology: advances and current practices, Griscom NT, *Invest Radiol* 1986; 21: 833
- pediatric radiology, RSNA '87 meeting notes, Baker DH; Griscom NT; Miller JH; Slovits TL, *Radiology* 1988; 166: 601
- pelvic abnormalities in children: assessment with MR imaging, Dietrich RB; Kangaroo H, *Radiology* 1987; 163: 367
- primary liver tumors in children: comparison of CT and MR imaging, Boechat MI; Kangaroo H; Ortega J; Hall T; Feig S; Stanley P; Gilsanz V, *Radiology* 1988; 169: 727
- quantitation of acidosis in neonatal brain tissue using the ^{31}P NMR resonance peak of phosphoethanolamine, Corbett RJT; Laptook AR; Hassan A; et al, *Magn Res Med* 1988; 6: 99
- serial MR imaging in neonatal cerebral injury, Johnson MA; Pennock JM; Bydder GM; et al, *AJNR* 1987; 8: 83
- soft tissue pseudotumor following intramuscular injection of "DPT": a pitfall in magnetic resonance imaging, Huber DJ; Summers E; Klein M, *Skeletal Radiol* 1987; 16: 469
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis FC; Hoffman JC Jr; Ball TI; Wylie JB; Braun IF; Fry SM; Drvaric DM, *Radiology* 1988; 166: 679
- technical exhibits: RSNA '87 meeting notes, Gray JE; Barnes GT; Morin RL; Yester MV; Chakraborty DP, *Radiology* 1988; 166: 927
- techniques and methods in pediatric magnetic resonance imaging, Barkovich AJ, *Semin US CT MR* 1988; 9: 186
- Magnetic resonance (MR), phosphorus studies**
- altered phosphate metabolism in myocardial infarction: P-31 MR spectroscopy, Bottomley PA; Herfkens RJ; Smith LS; Bashore TM, *Radiology* 1987; 165: 703
- characterization of high-energy phosphate compounds during reperfusion of the irreversibly injured myocardium using ^{31}P MRS, Wendland MF; White RD; Derugin N; et al, *Magn Res Med* 1988; 7: 172
- characterization of MR spectroscopic imaging of the human head and limb at 2.0 T, Tropp JS; Sugiura S; Derby KA; Suzuki Y; Hawrysko C; Yamagata H; Klein JE; Ortendahl DA; Kaufman L; Acosta GF, *Radiology* 1988; 169: 207
- chronic adult cerebral infarction studied by phosphorus NMR spectroscopy, Bottomley PA; Drayer BP; Smith LS, *Radiology* 1986; 160: 763
- effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JL; Weinstein L; Clarke G, *Radiology* 1988; 168: 81
- estimation of tumor oxygenation and metabolic rate using ^{31}P MRS: correlation of longitudinal relaxation with tumor growth rate and DNA synthesis, Okunieff P; Ramsay J; Tokuhito T; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1185
- experimental radiation injury: combined MR imaging and spectroscopy, Grossman RI; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle T; McGrath JT; Curran WJ; Shetty A; Joseph PM, *Radiology* 1988; 169: 305
- first year of experience with P-31 magnetic resonance studies of human liver, Oberhaensli RD; Galloway GJ; Taylor DJ; et al, *Magn Res Imag* 1986; 4: 413
- four-dimensional chemical shift MR imaging of phosphorus metabolites of normal and diseased human liver, Cox JJ; Bryant DJ; Collins AG; et al, *JCAT* 1988; 12: 369
- human breast cancer in vivo: H-1 and P-31 MR spectroscopy at 1.5 T, Siens PE; Wijrdeman HK; Moerland MA; Bakker CJG; Vermeulen JWAH; Luyten PR, *Radiology* 1988; 169: 615
- human in vivo phosphate metabolite imaging with ^{31}P NMR, Bottomley PA; Charles HC; Roemer PB; et al, *Magn Res Med* 1988; 7: 319
- integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience, Lenkinski RE; Holland GA; Allman T; Vogele K; Kressel HY; Grossman RI; Charles HC; Engeseth HR; Flamig D; MacFall JR, *Radiology* 1988; 169: 201
- monitoring human tumor response to therapy by means of P-31 MR spectroscopy, Semmler W; Gademann G; Bachert-Baumann P; Zabel H-J; Lorenz WJ; van Kaick G, *Radiology* 1988; 166: 533
- P-31 magnetic resonance studies of human brain at 2 T, Oberhaensli RD; Hilton-Jones D; Bore PJ; et al, *Magn Res Imag* 1986; 4: 417
- ^{31}P NMR measurements of T_2 relaxation times of ATP with surface coils: suppression of J modulation, Albrand JF; Foray MF; Decorse M; et al, *Magn Res Med* 1986; 3: 941
- problems in the assessment of magnesium depletion in the rat by *in vivo* ^{31}P NMR, Adam WR; Craik DJ; Hall JG; et al, *Magn Res Med* 1988; 7: 300
- whole-body MR imaging and spectroscopy at 4 T: where do we go from here?, Ortendahl DA, *Radiology* 1988; 169: 864
- whole-body MR imaging and spectroscopy with a 4-T system, Barrius H; Fischer H; Hentschel D; Ladebeck R; Vetter J, *Radiology* 1988; 169: 811
- Magnetic resonance (MR), physics**
- 1/T₁ NMRD profiles of solutions of Mn²⁺ and Gd³⁺ protein-chelate conjugates, Lauffer RB; Brady TJ; Brown RD III; et al, *Magn Res Med* 1986; 3: 541
- adiabatic refocusing pulse which compensates for variable rf power and off-resonance effects, Bendall MR; Garwood M; Ugurbil K; et al, *Magn Res Med* 1987; 4: 493
- algorithm for compensation of surface-coil images for sensitivity of the surface coil, Haselgrove J; Frammer M, *Magn Res Imag* 1986; 4: 469
- analysis of spin-echo rephasing with pulsatile flow in 2D FT magnetic resonance imaging, Katz J; Peshock RM; McNamee P; et al, *Magn Res Med* 1987; 4: 307
- application of the maximum likelihood principle to separate exponential terms in T₂ relaxation of nuclear magnetic resonance, Sandor T; Bleier AR; Ruenzel PW; et al, *Magn Res Imag* 1988; 6: 27
- applications of multiple quantum coherence to MR imaging, Szevenyi NM; Haacke EM, *JCAT* 1986; 10: 484
- basic physics of nuclear magnetic resonance, Patz S, *Cardiovasc Intervent Radiol* 1986; 8: 225
- boundary effects from opposed magnetization artifact in IR images, Hearnshen DO; Ellis JH; Carson PL; Shreve P; Aisen AM, *Radiology* 1986; 160: 543
- characteristics of partial flip angle and gradient reversal MR imaging, Winkler ML; Ortendahl DA; Mills TC; Crooks LE; Sheldon PE; Kaufman L; Kramer DM, *Radiology* 1988; 166: 17
- comparative efficiency of different pulse sequences in MR imaging, Young IR; Burl M; Bydder GM, *JCAT* 1986; 10: 271
- contiguous thin multisection MR imaging by two-dimensional Fourier transform techniques, Feinberg DA; Crooks LE; Henninger JC; Watts JC; Arakawa M; Chang H; Kaufman L, *Radiology* 1986; 158: 811
- contrast in rapid MR imaging: T1- and T2-weighted imaging, Buxton RB; Edelmann RR; Rosen BR; et al, *JCAT* 1987; 11: 7
- contrast-to-noise in relaxation time, synthetic, and weighted-sum MR images, Lee JN; Riederer SJ, *Magn Res Med* 1987; 5: 13
- currents and fields of thin conductors in rf saddle coils, Carlson JW, *Magn Res Med* 1986; 3: 778
- dependence of the solvent proton 1/T₁ on the iron content in normal human serum, Yilmaz A; Chu SC; Osmanoglu S, *Magn Res Med* 1988; 7: 337
- determination of flow velocities from magnetic resonance multiple spin-echo images: a phantom study, Ståhlberg F; Henriksen O; Thomsen C; et al, *Acta Radiol* 1987; 28: 643
- disappearing iliac vessels: an MR phase cancellation phenomenon, Mayo JR; McVeigh ER; Hoffman N; Poon PY; Henkelman RM, *Radiology* 1987; 164: 555
- effect of induced field inhomogeneity on transverse proton NMR relaxation in tissue water and model systems, Kurland RJ; Ngo FQH, *Magn Res Med* 1986; 3: 425
- effect of interpulse delay on NMR transverse relaxation rate of tissues, Grucker D; Mauss Y; Steibel J; et al, *Magn Res Imag* 1986; 4: 441
- effect of intersection spacing on MR image contrast and study time, Kneeland JB; Shimakawa A; Wehrli FW, *Radiology* 1986; 158: 819

- effects of bone on proton NMR relaxation times of surrounding liquids, Davis CA; Genant HK; Dunham JS, *Invest Radiol* 1986; 21: 472
- effects of slice selection and diffusion on T_2 measurement, Wong STS; Roos MS, *Magn Res Med* 1987; 3: 358
- effects of thermal denaturation on the longitudinal relaxation time (T_1) of water protons in protein solutions: study of the factors determining the T_1 of water protons, Aso M; Yui Y; Kakishita M, *Magn Res Imag* 1988; 6: 17
- efficient algorithms for generating interpolated (zoomed) MR images, Smith MR; Nichols ST, *Magn Res Med* 1988; 7: 156
- efficient pulse sequence for multisection dual-repetition time MR image acquisition, Farzaneh F; Riederer SJ; Djani WT; Curnes JT; Herfkens RJ, *Radiology* 1988; 167: 541
- errors in the measurements of T_2 using multiple-echo MRI techniques. II. effects of static field inhomogeneity, Majumdar S; Orphanoudakis SC; Gmitro A; et al, *Magn Res Med* 1986; 3: 562
- experimental approach to ^{31}P spin-lattice relaxation time measurements in biological systems, Seo Y; Murakami M; Suzuki E; et al, *Magn Res Med* 1988; 6: 430
- field dependence of NMR imaging: I. laboratory assessment of signal-to-noise ratio and power deposition, Chen C-N; Sank VJ; Cohen SM; et al, *Magn Res Med* 1986; 3: 722
- field dependence of NMR imaging: II. arguments concerning an optimal field strength, Hoult DI; Chen C-N; Sank VJ, *Magn Res Med* 1986; 3: 730
- Fourier imaging using rf phase encoding, Maudsley AA, *Magn Res Med* 1986; 3: 768
- fundamental physics of magnetic resonance imaging, Villafana T, *Radiol Clin North Am* 1988; 26: 701
- general solution to the NMR excitation problem for noninteracting spins, Ngo JT; Morris PG, *Magn Res Med* 1987; 5: 217
- high-quality MR imaging with flexible transmission line resonators, Zabel H-J; Bader R; Gehrig J; Lorenz WJ, *Radiology* 1987; 165: 857
- human heart: tagging with MR imaging—a method for noninvasive assessment of myocardial motion, Zerhouni EA; Parish DM; Rogers WJ; Yang A; Shapiro EP, *Radiology* 1988; 169: 59
- improved formulae for signal amplitudes in repeated NMR sequences: applications in NMR imaging, Sperber GO; Ericsson A; Hemmingsson A; et al, *Magn Res Med* 1986; 3: 685
- in-plane vascular imaging: pulse sequence design and strategy, Lenz GW; Haacke EM; Masaryk TJ; Laub G, *Radiology* 1988; 166: 875
- intravoxel incoherent motion imaging using steady-state free precession, Le Bihan D, *Magn Res Med* 1988; 7: 346
- intrinsic signal-to-noise ratio in NMR imaging, Edelstein WA; Glover GH; Hardy CJ; et al, *Magn Res Med* 1986; 3: 604
- introduction to the physics of magnetic resonance imaging, Balter S, *Radiographics* 1987; 7: 371
- in vivo determination of ^{31}P spin relaxation times (T_1 , T_2 , $T_{1\rho}$) in rat leg muscle. use of an off-axis solenoid coil, Brooks WM; Field J; Irving MG; et al, *Magn Res Imag* 1986; 4: 245
- magnetic field shimming by Fourier analysis, Brateman L; Bowman TJ; Dönstrup S; et al, *Magn Res Med* 1988; 6: 459
- magnetic resonance imaging—a clinical perspective: image quality, safety and risk management, Merritt CRB, *Radiographics* 1987; 7: 1001
- magnetic resonance imaging fundamentals and system performance, Elliott DO, *Radiol Clin North Am* 1987; 25: 409
- magnetic resonance imaging signal concepts, Fullerton GD, *Radiographics* 1987; 7: 579
- measurement of changes in tissue temperature using MR imaging, Dickinson RJ; Hall AS; Hind AJ; et al, *JCAT* 1986; 10: 468
- molecular masking and unmasking of the paramagnetic effect of iron on the proton spin-lattice (T_1) relaxation time in blood and blood clots, Finnie M; Fullerton GD; Cameron IL, *Magn Res Imag* 1986; 4: 305
- MR gated subtraction angiography: evaluation of lower extremities, Meuli RA; Weden VJ; Geller SC; Edelman RR; Frank LR; Brady TJ; Rosen BR, *Radiology* 1986; 159: 411
- MR imaging of intravoxel incoherent motions: application to diffusion and perfusion in neurologic disorders, Le Bihan D; Breton E; Lallemand D; Grenier P; Cabanis E; Laval-Jeantet M, *Radiology* 1986; 161: 401
- MR imaging of susceptibility-induced magnetic field inhomogeneities, Wendt RE III; Wilcott MR III; Nitz W; Murphy PH; Bryan RN, *Radiology* 1988; 168: 837
- MR imaging using stimulated echoes (STEAM), Haase A; Frahm J; Matthaei D; Hanicke W; Bomsdorf H; Kunz D; Tischler R, *Radiology* 1986; 160: 787
- MR instrumentation and image formation, Pavlicek W, *Radiographics* 1987; 7: 809
- MR vascular imaging with a fast gradient refocusing pulse sequence and reformatted images from transaxial sections, Gullberg GT; Wehrli FW; Shimakawa A; Simons MA, *Radiology* 1987; 165: 241
- multi-exponential analysis of T_2 images, Dumitrescu BE; Armspach J-P; Gounot D; et al, *Magn Res Imag* 1986; 4: 445
- multiple-spin-echo imaging with a 2D Fourier method, Graumann R; Oppelt A; Stetter E, *Magn Res Med* 1986; 3: 707
- NMR imaging of ^{13}C in animal tissues, Kormos DW; Yeung HN, *Magn Res Med* 1987; 4: 500
- NMR relaxation times T_1 and T_2 of water in plasma from patients with lung carcinoma: correlation of T_2 with blood sedimentation rate, Schuhmacher JH; Clorius JH; Semmler W; et al, *Magn Res Med* 1987; 5: 537
- non-Brownian water self-diffusion in lung tissue, Kveder M; Lahajnar G; Blinc R; et al, *Magn Res Med* 1988; 6: 194
- paramagnetic macrocyclic complexes as contrast agents for MR imaging: proton nuclear relaxation rate enhancement in aqueous solution and in rat tissues, Jackels SC; Kroos BR; Hinson WH; Karstaedt N; Moran PR, *Radiology* 1986; 159: 525
- precision in calculated ρ , T_1 and T_2 images as a function of data analysis method, Bakker CJG; de Graaf CN, *Magn Res Imag* 1988; 6: 3
- proton relaxation enhancement investigation of the binding of fatty acid spin labels to human serum albumin, Slane JMK; Lai C-S; Hyde JS, *Magn Res Med* 1986; 3: 699
- proton T_1 relaxation time of normal and abnormal urine, Alanen A; Nummi P; Korman M; et al, *Acta Radiol* 1987; 28: 601
- proton transverse relaxation rate of ^{17}O -enriched water, Yeung HN; Lent AH, *Magn Res Med* 1987; 5: 87
- quantitative study of flow dependence in NMR images at low flow velocities, Stahlberg F; Nordell B; Ericsson A; et al, *JCAT* 1986; 10: 1006
- reducing motion artifacts in two-dimensional Fourier transform imaging, Haacke EM; Patrick JL, *Magn Res Imag* 1986; 4: 359
- reduction of MR imaging time by the hybrid fast-scan technique, Haacke EM; Bearden FH; Clayton JR; Linga NR, *Radiology* 1986; 158: 521
- RLSQ: T_1 , T_2 , and ρ calculations, combining ratios and least squares, In den Kleeff JJE; Cuppen JJM, *Magn Res Med* 1987; 5: 513
- sampling time effects on signal-to-noise and contrast-to-noise ratios in spin-echo MRI, Hendrick RE, *Magn Res Imag* 1987; 5: 31
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging, Le Bihan D; Breton E; Lallemand D; Aubin M-L; Vignaud J; Laval-Jeantet M, *Radiology* 1988; 168: 497
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging: a model proposal with tremendous potential, Dixon WT, *Radiology* 1988; 168: 566
- separation of lipid and water MR imaging signals by chopper averaging in the time domain, Szumowski J; Plewes DB, *Radiology* 1987; 165: 247
- significance of proton relaxation time measurement in brain edema, cerebral infarction and brain tumors, Naruse S; Horikawa Y; Tanaka C; et al, *Magn Res Imag* 1986; 4: 293
- simplified mathematical description of longitudinal recovery in multiple-echo sequences, Conturo TE; Beth AH; Arenstorff RF; et al, *Magn Res Med* 1987; 4: 282
- single-acquisition chemical-shift imaging of a binary system with use of stimulated echoes, Yeung HN; Kormos DW; Sebok DA, *Radiology* 1988; 167: 537
- some factors that influence the steady state in steady-state free precession, Patz S, *Magn Res Imag* 1988; 6: 405
- subacute intracranial hemorrhage: contribution of spin density to appearance on spin-echo MR images, Hackney DB; Atlas SW; Grossman RI; Gomori JM; Goldberg HI; Zimmerman RA; Bilaniuk LT, *Radiology* 1987; 165: 199
- switched surface coil system for bilateral MR imaging, Hardy CJ; Katzberg RW; Frey RL; Szumowski J; Totterman S; Mueller OM, *Radiology* 1988; 167: 835
- T_2 -weighted contrasts in rapid low flip-angle imaging, Bendall P, *Magn Res Med* 1987; 5: 366
- time-of-flight MR flow imaging: selective saturation recovery with gradient refocusing, Wehrli FW; Shimakawa A; Gullberg GT; MacFall JR, *Radiology* 1986; 160: 781
- two-point T_1 measurement: wide-coverage optimizations by stochastic simulations, Lin MS; Fletcher JW; Donati RM, *Magn Res Med* 1986; 3: 518
- voxel distortion in NMR imaging with non-uniform steady fields, Braun M; McCarthy AL, *Australas Radiol* 1987; 31: 322
- Magnetic resonance (MR), potassium studies**
- observation of intracellular potassium and sodium in the heart by NMR: major fraction of potassium is "invisible", Fossel ET; Hoefeler H, *Magn Res Med* 1986; 3: 534
- Magnetic resonance (MR), pulse sequences**
- cartilage disorders: comparison of spin-echo, CHESS, and FLASH sequence MR images, König H; Sauter R; Deimling M; Vogt M, *Radiology* 1987; 164: 753
- cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part I. general considerations and disk disease, Enzmann DR; Rubin JB, *Radiology* 1988; 166: 467
- cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part II. spinal cord disease, Enzmann DR; Rubin JB, *Radiology* 1988; 166: 473
- comparison of different pulse sequences for in vivo determination of T_1 relaxation times in the human brain, Kjaer L; Henriksen O, *Acta Radiol* 1988; 29: 231
- conventional and rapid MR imaging of the liver with Gd-DTPA, Hamm B; Wolf K-J; Felix R, *Radiology* 1987; 164: 313
- efficient pulse sequence for multisection dual-repetition time MR image acquisition, Farzaneh F; Riederer SJ; Djani WT; Curnes JT; Herfkens RJ, *Radiology* 1988; 167: 541
- errors in the assessment of the efficacy of MRI pulse sequences, Gore JC; Pope CF; Sostman HD, *Magn Res Imag* 1986; 4: 251
- image contrast and pulse sequences in urinary tract magnetic resonance imaging, Newhouse JH, *Urol Radiol* 1986; 6: 120
- in-plane vascular imaging: pulse sequence design and strategy, Lenz GW; Haacke EM; Masaryk TJ; Laub G, *Radiology* 1988; 166: 875
- intracranial hemorrhage: gradient-echo MR imaging at 1.5 T. comparison with spin-echo imaging and clinical applications, Atlas SW; Mark AS; Grossman RI; Gomori JM, *Radiology* 1988; 168: 803

- lipid and water suppression by selective ^1H homonuclear polarization transfer, Hardy CJ; Dumoulin CL, *Magn Res Med* 1987; 5: 58
- method for *in vivo* MR imaging of the short T_2 component of sodium-23, Ra JB; Hilal SK; Cho ZH, *Magn Res Med* 1986; 3: 296
- MR imaging of susceptibility-induced magnetic field inhomogeneities, Wendt RE III; Wilcott MR III; Nitz W; Murphy PH; Bryan RN, *Radiology* 1988; 168: 837
- MR imaging section profile optimization: improved contrast and detection of lesions, Runge VM; Wood ML; Kaufman DM; Silver MS, *Radiology* 1988; 167: 831
- MR sequence parameter optimization: an algorithmic approach, Bradley WG Jr; Tsuruda JS, *AJR* 1987; 149: 815
- MR vascular imaging with a fast gradient refocusing pulse sequence and reformatted images from transaxial sections, Gullberg GT; Wehrli FW; Shimakawa A; Simons MA, *Radiology* 1987; 165: 241
- multi-plane scout sequence using FLASH imaging, Wright SM; Wright RM, *Magn Res Med* 1988; 6: 105
- optimal pulsing sequences for MR contrast agents, Wolf GL; Joseph PM; Goldstein EJ, *AJR* 1986; 147: 367
- optimizing pulse sequences for magnetic resonance imaging of the musculoskeletal system, Richardson ML, *Radiol Clin North Am* 1986; 24: 137
- pulse sequence and parameter choice in NMR imaging as a problem of constrained multidimensional nonlinear optimization, Dreher W; Börner P, *Magn Res Med* 1988; 8: 16
- pulse techniques for the suppression of individual components in multiexponential relaxation curves, Metz KR; Stankiewicz PJ; Sassani JW; et al, *Magn Res Med* 1986; 3: 575
- relaxation and imaging of lithium *in vivo*, Renshaw PF; Haselgrove JC; Bolinger L; et al, *Magn Res Med* 1986; 4: 193
- SAR reduced pulse sequences, Prost JEH; Wehrli FW; Drayer BP; et al, *Magn Res Med* 1988; 6: 125
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging, Le Bihan D; Breton E; Lallemand D; Aubin M-L; Vignaud J; Laval-Jeantet M, *Radiology* 1988; 168: 497
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging: a modest proposal with tremendous potential, Dixon WT, *Radiology* 1988; 168: 566
- short-T1 inversion-recovery pulse sequence: analysis and initial experience in cancer imaging, Dwyer AJ; Frank JA; Sank VJ; Reinig JW; Hickey AM; Doppman JL, *Radiology* 1988; 168: 827
- tissue contrast enhancement: image reconstruction algorithm and selection of T1 in inversion recovery MRI, Moran PR; Kumar NG; Karstaedt N; et al, *Magn Res Med* 1986; 4: 229
- use of frequency-modulated radiofrequency pulses in MR imaging experiments, Kunz D, *Magn Res Med* 1986; 3: 377
- vascular intracranial lesions: applications of gradient-echo MR imaging, Atlas SW; Mark AS; Fram EK; Grossman RI, *Radiology* 1988; 169: 455
- water suppression in ^1H magnetic resonance images by the generation of multiple-quantum coherence, Dumoulin CL; Vatis D, *Magn Res Med* 1986; 3: 282
- when should GRASS be used?, Bradley WG, *Radiology* 1988; 169: 574
- Magnetic resonance (MR), quality assurance**
- phantoms for specifications and quality assurance of MR imaging scanners, Goodenough DJ; Weaver KE, *Comput Med Imag Graph* 1988; 12: 193
- techniques, pitfalls and artifacts in magnetic resonance imaging, Patton JA; Kulkarni MV; Craig JK; Wolfe OH; Price RR; Partain CL; James AE Jr, *Radiographics* 1987; 7: 505
- Magnetic resonance (MR), sodium studies**
- clinical and experimental sodium magnetic resonance imaging, Turski PA; Perman WH; Houston L; et al, *Radiol Clin North Am* 1988; 26: 861
- clinical and experimental vasogenic edema: *in vivo* sodium MR imaging, work in progress, Turski PA; Perman WH; Hald JK; Houston LW; Strother CM; Sackett JF, *Radiology* 1986; 160: 821
- experimental and human brain neoplasms: detection with *in vivo* sodium MR imaging, Turski PA; Houston LW; Perman WH; Hald JK; Turski D; Strother CM; Sackett JF, *Radiology* 1987; 163: 245
- intracellular sodium and lithium NMR relaxation times in the perfused frog heart, Burstein D; Fossel ET, *Magn Res Med* 1987; 4: 261
- in vivo* magnetic resonance imaging of sodium in the human body, Ra JB; Hilal SK; Oh CH; et al, *Magn Res Med* 1988; 7: 11
- method for *in vivo* MR imaging of the short T_2 component of sodium-23, Ra JB; Hilal SK; Cho ZH, *Magn Res Med* 1986; 3: 296
- methodology of *in vivo* human sodium MR imaging at 1.5 T, Perman WH; Turski PA; Houston LW; Glover GH; Hayes CE, *Radiology* 1986; 160: 811
- multinuclear magnetic resonance imaging technique—simultaneous proton and sodium imaging, Lee SW; Hilal SK; Cho ZH, *Magn Res Med* 1986; 4: 343
- NMR studies of combined lanthanide shift and relaxation agents for differential characterization of ^{23}Na in a two-compartment model system, Brown MA; Stenzel TT; Ribeiro AA; et al, *Magn Res Med* 1986; 3: 289
- observation of intracellular potassium and sodium in the heart by NMR: major fraction of potassium is "invisible", Fossel ET; Hoefler H, *Magn Res Med* 1986; 3: 534
- ^{31}P and ^{23}Na NMR studies of the structure and lability of the sodium shift reagent, bis(tripolyphosphate)dysprosium(III) $([\text{Dy}(\text{P}_3\text{O}_{10})_2]^{5-})$ ion, and its decomposition in the presence of rat muscle, Matwiyoff NA; Gasparovic C; Wenk R; et al, *Magn Res Med* 1986; 3: 164
- sodium-23 NMR relaxation times in body fluids, Shinar H; Navon G, *Magn Res Med* 1986; 3: 927
- sodium imaging of human body organs and extremities *in vivo*, Granot J, *Radiology* 1988; 167: 547
- sodium influxes in renal epithelial LLC-PK₁/Cl₄ cells monitored by ^{23}Na NMR, Jans AWH; Willem R; Kellenbach ER; et al, *Magn Res Med* 1988; 7: 292
- whole-body MR imaging and spectroscopy with a 4-T system, Barrius H; Fischer H; Hentschel D; Ladebeck R; Vetter J, *Radiology* 1988; 169: 811
- Magnetic resonance (MR), spectroscopy**
- altered phosphate metabolism in myocardial infarction: P-31 MR spectroscopy, Bottomley PA; Herkens RJ; Smith LS; Bashore TM, *Radiology* 1987; 165: 703
- application of depth-pulse localized ^{31}P NMR spectroscopy to monitor tumor metabolism and response to chemotherapy in the rat kidney, Stewart CA; Hanstock CC; Allen PS, *Magn Res Med* 1988; 7: 100
- application of image-guided surface coil P-31 MR spectroscopy to human liver, heart, and kidney, Matson GB; Twieg DB; Karczmar GS; Lawry TJ; Gober JR; Valenza M; Boska MD; Weiner MW, *Radiology* 1988; 169: 541
- applications of multiple quantum coherence to MR imaging, Szeverenyi NM; Haacke EM, *JCAT* 1986; 10: 484
- assessment of human liver metabolism by phosphorus-31 magnetic resonance spectroscopy, Oberhaensli RD; Galloway GJ; Taylor DJ; et al, *Br J Radiol* 1986; 59: 695
- assessment of testicular metabolic integrity with P-31 MR spectroscopy, Bretan PN Jr; Vigneron DB; Hricak H; McClure RD; Yen TSB; Moseley M; Tanagho EA; James TL, *Radiology* 1987; 162: 867
- benefits of increasing spatial resolution as a means of reducing artifacts due to field inhomogeneities, Young IR; Cox JJ; Bryant DJ; et al, *Magn Res Med* 1988; 6: 585
- breast tumors: evaluation with P-31 MR spectroscopy, Degani H; Horowitz A; Iltchak Y, *Radiology* 1986; 161: 53
- cardiac radiology: RSNA '87 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, *Radiology* 1988; 166: 920
- cerebrospinal fluid: detection of tumors and disk herniations with MR spectroscopy, Koschorek F; Gremmel H; Stelten J; Offermann W; Leibfritz D, *Radiology* 1988; 167: 813
- changes in energy metabolism following roentgen irradiation of *in vivo* growing Ehrlich ascites tumour cells studied by ^{31}P magnetic resonance spectroscopy, Skog S; Nordell B; Ericsson A; et al, *Acta Oncol* 1986; 25: 63
- characterization of MR spectroscopy imaging of the human head and limb at 2.0 T, Tropp JS; Sugiura S; Derby KA; Suzuki Y; Hawryszko C; Yamagata H; Klein JE; Ortendahl DA; Kaufman L; Acosta GF, *Radiology* 1988; 169: 207
- chemical exchange magnetic resonance imaging (CHEMI), McFarland EW; Neuringer LJ; Kushmerick MJ, *Magn Res Med* 1988; 6: 507
- choroidal melanomas: correlation of NMR spectroscopy and MR imaging, Comori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D, *Radiology* 1986; 158: 443
- chronic adult cerebral infarction studied by phosphorus NMR spectroscopy, Bottomley PA; Drayer BP; Smith LS, *Radiology* 1986; 160: 763
- combined application of MR imaging and spectroscopy in neonates and children: installation and operation of a 2.35-T system in a clinical setting, Boesch C; Martin E, *Radiology* 1988; 168: 481
- comparative evaluation of "depth pulses" and related sequences for spatial discrimination in *in-vivo* NMR spectroscopy with surface coils, Pope JM; Eberl S, *Magn Res Med* 1988; 6: 157
- comparison of lactate concentration determinations in ischemic and hypoxic rat brains by *in vivo* and *in vitro* ^1H NMR spectroscopy, Chang L-H; Pereira BM; Weinstein PR; et al, *Magn Res Med* 1987; 4: 575
- comparison of some gradient-encoded volume-selection techniques for *in vivo* NMR spectroscopy, Galloway GJ; Breerton IM; Brooks WM; et al, *Magn Res Med* 1987; 4: 393
- comparison of the chemical analyses of cell lipids with their complete proton NMR spectrum, Holmes KT; Williams PG; King NJC; et al, *Magn Res Med* 1987; 4: 567
- detection of malignant tumors: water-suppressed proton nuclear magnetic resonance spectroscopy of plasma, Dowd TL; Kaplan BA; Gupta RK; et al, *Magn Res Med* 1987; 5: 395
- differentiation of human tumors from nonmalignant tissue by natural abundance ^{13}C NMR spectroscopy, Halliday KR; Fenoglio-Freiser C; Sillerud LO, *Magn Res Med* 1988; 7: 384
- doubly tuned local coils for MRI and MRS at 1.5 T, Grist TM; Jesmanowicz A; Kneeland JB; et al, *Magn Res Med* 1988; 6: 253
- echo acquisition during frequency-selective pulse trains for proton spectroscopy of metabolites *in vivo*, Meyer RA, *Magn Res Med* 1987; 4: 297
- edited ^{31}P brain spectra using maximum entropy data processing, Waller ML; Tofts PS, *Magn Res Med* 1987; 4: 385
- effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JL; Weinstein L; Clarke G, *Radiology* 1988; 168: 81
- effects of calcium antagonists on high-energy phosphates in ischemic rat brain measured by ^{31}P NMR spectroscopy, Sauter A; Rudin M, *Magn Res Med* 1987; 4: 1
- estimation of tumor oxygenation and metabolic rate using ^{31}P MRS: correlation of longitudinal relaxation with tumor growth rate and DNA synthesis, Okunieff P; Ramsay J; Tokuhito T; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1185

- evaluation of the effects of photoradiation therapy on brain tumors with *in vivo* P-31 MR spectroscopy, Naruse S; Horikawa Y; Tanaka K; Higuchi T; Sekimoto H; Ueda S; Hirakawa K, *Radiology* 1986; 160: 827
- experimental rat on injury: combined MR imaging and spectroscopy, Grossman RJ; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle TJ; McGrath JT; Curran WJ; Shetty A; Joseph PM, *Radiology* 1988; 169: 305
- Gd(DOTA): alternative to Gd(DTPA) as a T₁ relaxation agent for NMR imaging or spectroscopy, Magerstadt M; Gansow OA; Brechbiel MW; et al, *Magn Res Med* 1986; 3: 808
- Gd-DOTA: characterization of a new paramagnetic complex, Bousquet J-C; Saini S; Stark DD; Hahn PF; Nigam M; Wittenberg J; Ferrucci JT Jr, *Radiology* 1988; 166: 693
- high-resolution human *in vivo* spectroscopic imaging using echo-time encoding technique, Park HW; Cho ZH, *Magn Res Med* 1986; 3: 448
- ¹H MR spatially resolved spectroscopy of human tissues *in situ*, Luyten PR; den Hollander JA, *Magn Res Med* 1986; 4: 237
- ¹H NMR relaxation measurements of human tissues *in situ* by spatially resolved spectroscopy, Luyten PR; Anderson CM; den Hollander JA, *Magn Res Med* 1987; 4: 431
- human breast cancer *in vivo*: H-1 and P-31 MR spectroscopy at 1.5 T, Siens PE; Wijdeman HK; Moerland MA; Bakker CJG; Vermeulen JWAH; Luyten PR, *Radiology* 1988; 169: 615
- impact of hyperthermic regional perfusion therapy on cell metabolism of malignant melanoma monitored by ³¹P MR spectroscopy, Semmler W; Gademann G; Schlag P; et al, *Magn Res Med* 1988; 6: 335
- integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience, Lenkinski RE; Holland GA; Allman T; Vogele K; Kressel HY; Grossman RJ; Charles HC; Engeseth HR; Flamig D; MacFall JR, *Radiology* 1988; 169: 201
- in vivo* determination of body iron stores by natural-abundance deuterium magnetic resonance spectroscopy, Irving MG; Brereton IM; Field J; et al, *Magn Res Med* 1987; 4: 88
- in vivo* H-1 spectroscopy in humans at 1.5 T, Bárány M; Langer BG; Glick RP; Venkatasubramanian PN; Wilbur AC; Spigos DG, *Radiology* 1988; 167: 839
- in vivo* ¹H-NMR procedure to determine several rat cerebral metabolite levels simultaneously, undisturbed by water and lipid signals, de Graaf AA; Bovee WMMJ; Deutz NEP; et al, *Magn Res Med* 1988; 6: 255
- in vivo* ¹H spectroscopic studies of human gastrocnemius muscle at 1.5 T, Narayana PA; Hazle JD; Jackson EF; et al, *Magn Res Med* 1988; 6: 481
- in vivo* magnetic resonance imaging and ³¹P spectroscopy of large human brain tumours at 1.5 tesla, Thomsen C; Jensen KE; Achten E; et al, *Acta Radiol* 1988; 29: 77
- in vivo* MR spectroscopy of human subjects with a 1.4-T whole-body MR imager, Ng TC; Majors AW; Meaney TF, *Radiology* 1986; 158: 517
- in vivo* ³¹P-MR spectroscopy of the liver in the infant rabbit to study the effect of hypoxia on the phosphorus metabolites and intracellular pH, Schmidt HC; Gooding CA; James TL, *Invest Radiol* 1986; 21: 156
- in vivo* ³¹P NMR spectroscopy of agonist-stimulated phosphatidylinositol metabolism in cat brain, Renshaw PF; Schnall MD; Leigh JS Jr, *Magn Res Med* 1987; 4: 221
- in vivo* spectroscopic magnetic resonance imaging using estimation theory, Macovski A; Spielman D, *Magn Res Med* 1986; 3: 97
- lactate accumulation in ischemic and anoxic-isolated rat hearts assessed by H-1 spectroscopy, Richards TL; Terrier F; Sievers RE; et al, *Invest Radiol* 1987; 22: 638
- lipid/water ratio of bone marrow measured by phase-encoded proton nuclear magnetic resonance spectroscopy, Richards TL; Davis CA; Barker BK; et al, *Invest Radiol* 1987; 22: 741
- localization of unaffected spins in NMR imaging and spectroscopy (LOCUS spectroscopy), Haase A, *Magn Res Med* 1986; 3: 963
- localized double-quantum filter and correlation spectroscopy experiments, McKinnon GC; Bosiger P, *Magn Res Med* 1988; 6: 334
- magnetic resonance. RSNA '87 meeting notes, Bryan RN; Brant-Zawadzki M; Lee JKT, *Radiology* 1988; 166: 613
- magnetic resonance spectroscopy of the musculoskeletal system, Burt CT; Koutcher J; Roberts JT; et al, *Radiol Clin North Am* 1986; 32: 321
- measurement of lactate accumulation by *in vivo* proton NMR spectroscopy during global cerebral ischemia in rats, Richards TL; Keniry MA; Weinstein PR; et al, *Magn Res Med* 1987; 5: 353
- metabolic changes in human muscle denervation: topical ³¹P NMR spectroscopy studies, Zochodne DW; Thompson RT; Driedger AA; et al, *Magn Res Med* 1988; 7: 373
- metabolic profiling of body fluids by proton NMR: self-poisoning episodes with paracetamol (acetaminophen), Bales JR; Bell JD; Nicholson JK; et al, *Magn Res Med* 1988; 6: 300
- modification of the RF field distribution of surface coils by weakly conducting saline samples, Hanstock CC; Lunt JA; Allen PS, *Magn Res Med* 1988; 7: 204
- monitoring human tumor response to therapy by means of P-31 MR spectroscopy, Semmler W; Gademann G; Bachert-Baumann P; Zabel H-J; Lorenz WJ; van Kaick G, *Radiology* 1988; 166: 533
- MR image-guided P-31 MR spectroscopy in the evaluation of brain tumor treatment, Segebarth CM; Baleriaux DF; Arnold DL; Luyten PR; den Hollander JA, *Radiology* 1987; 165: 215
- MR imaging and spectroscopy in clinical and experimental cerebral ischemia: review, Brant-Zawadzki M; Weinstein P; Bartkowski H; et al, *AJNR* 1987; 8: 39
- multinuclear MR imaging: technique for combined anatomic and physiologic studies, Schnall MD; Bolinger L; Renshaw PF; Hasegawa JC; Subramanian VH; Eleff SM; Barlow C; Leigh JS Jr; Chance B, *Radiology* 1987; 162: 863
- NMR spectroscopy of heterogeneous solid-liquid mixtures. spin grouping and exchange analysis of proton spin relaxation in a tissue, Sobol WT; Pintar MM, *Magn Res Med* 1987; 4: 537
- nodal inhomogeneity mapping by localized excitation—the "NIMBLE" shimming technique for high-resolution *in vivo* NMR spectroscopy, Doddrell DM; Galloway GJ; Brereton IM; et al, *Magn Res Med* 1988; 7: 352
- noninvasive evaluation of effects of an aldose reductase inhibitor in rat brain by ¹⁹F FDG NMR spectroscopy, Nakada T; Kwee IL, *Magn Res Med* 1987; 4: 366
- noninvasive measurement of molar concentrations of ³¹P metabolites *in vivo*, using surface coil NMR spectroscopy, Tofts PS; Wray S, *Magn Res Med* 1988; 6: 84
- nuclear magnetic resonance spectroscopy of acute and evolving pulmonary hemorrhage: an *in vitro* study, Huber DJ; Kobzik L; Solorzano C; et al, *Invest Radiol* 1987; 22: 632
- nuclear magnetic resonance spectroscopy of rat ventricles following supravalvular aortic banding: model of left ventricular hypertrophy, Fried R; Box LM; Miller RH III; et al, *Invest Radiol* 1986; 21: 622
- observation of metabolites in the human brain by MR spectroscopy, Luyten PR; den Hollander JA, *Radiology* 1986; 161: 795
- ocular MR imaging and spectroscopy: *ex vivo* study, Gomori JM; Grossman RJ; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D, *Radiology* 1986; 160: 201
- on the calculation of magnetization slice profiles for NMR imaging and *in vivo* spectroscopy, Bulsing JM; Galloway GJ; Brereton IM; et al, *Magn Res Med* 1987; 5: 478
- osteosarcoma and other neoplasms of bone: magnetic resonance spectroscopy to monitor therapy, (ab), Ross B; Helsper JI; Cox IJ; et al, *Radiology* 1988; 167: 589
- ³¹P and ¹H magnetic resonance spectroscopy of acute alcohol cardiac depression in rats, Auffermann W; Camacho A; Wu S; et al, *Magn Res Med* 1988; 8: 58
- ³¹P and ¹H NMR spectroscopy to study the effects of Gallopamil on brain ischemia, Ligeti L; Osbakken MD; Subramanian HV; et al, *Magn Res Med* 1987; 4: 441
- ³¹P FLASH NMR imaging, Haase A; Leibfritz D; Werk W, *Magn Res Med* 1988; 7: 358
- phospholipid profile of the human brain: ³¹P NMR spectroscopic study, Kwee IL; Nakada T, *Magn Res Med* 1988; 6: 296
- phosphorus-31 magnetic resonance spectroscopy of experimentally induced arthritis in rats, Blatter DD, *Skeletal Radiol* 1987; 16: 183
- phosphorus magnetic resonance spectroscopy of partially blocked muscle glycolysis: an *in vivo* study of phosphoglycerate mutase deficiency, (ab), Argov Z; Bank WJ; Boden B; et al, *Radiology* 1988; 167: 590
- ³¹P magnetic resonance spectroscopy of mesenteric ischemia, Kass DA; Banville DL; Gooding CA; et al, *Magn Res Med* 1987; 4: 83
- ³¹P magnetic resonance spectroscopy of traumatic spinal cord injury, Vink R; Knobloch SM; Faden AI, *Magn Res Med* 1987; 5: 390
- ³¹P magnetization transfer studies of creatine kinase kinetics in living rabbit brain, Degani H; Alger JR; Shulman RG; et al, *Magn Res Med* 1987; 5: 1
- ³¹P NMR measurements of intracellular pH in erythrocytes: direct comparison with measurements using freeze-thaw and investigation into the influence of ionic strength and Mg²⁺, Petersen A; Jacobsen JP; Horder M, *Magn Res Med* 1987; 4: 341
- ³¹P NMR relaxation time studies of 2,3-diphosphoglycerate in solution and intact erythrocytes, Christensen M; Jacobsen JP, *Magn Res Med* 1988; 7: 197
- ³¹P NMR spectroscopy of an experimentally induced intracerebral tumor in mice, Ross BD; Higgins RJ; Conley FK; et al, *Magn Res Med* 1987; 4: 323
- ³¹P NMR spectroscopy of isolated perfused lungs, Pillai RP; Buescher PC; Pearce DB; et al, *Magn Res Med* 1986; 3: 467
- ³¹P NMR spectroscopy of the *in vivo* metabolism of an intracerebral glioma in the rat, Ross BD; Higgins RJ; Boggan JE; et al, *Magn Res Med* 1988; 6: 403
- ³¹P NMR spectroscopy of the stomach by zig-zag coil, Nakada T; Kwee IL; Miyazaki T; et al, *Magn Res Med* 1987; 5: 449
- ³¹P NMR studies of adenosine-stimulated ATP synthesis in perfused luteinized ovaries, Haseltine FP; Arias-Mendoza F; Kaye AM; et al, *Magn Res Med* 1986; 3: 796
- potential of NMR and PET for determining tumor metabolism, Miraldi F, *Int J Radiat Oncol Biol Phys* 1986; 12: 1033
- promise of magnetic resonance spectroscopy for medical diagnosis, Welner MW, *Invest Radiol* 1988; 23: 253
- proton NMR spectroscopy in canine myocardial infarction, Richards T; Tscholakoff D; Higgins CB, *Magn Res Med* 1987; 4: 555
- proton NMR spectroscopy in myocardial ischemic insult, Evanochko WT; Reeves RC; Sakai TT; et al, *Magn Res Med* 1987; 5: 23

- quantitation of phosphate metabolites in human leg *in vivo*; Venkatasubramanian PN; Mafee MF; Bárány M; Magn Res Med 1988; 6: 359
- rapid ^{31}P spectroscopy on a 4-T whole-body system; Hardy CJ; Bottomley PA; Roemer PB; et al; Magn Res Med 1988; 8: 104
- response of a non-Hodgkin lymphoma to ^{60}Co therapy monitored by ^{31}P MRS *in situ*; Ng TC; Vijayakumar S; Majors AW; et al; Int J Radiat Oncol Biol Phys 1987; 13: 1545
- simple field map for shimming; Mackenzie IS; Robinson EM; Wells AN; et al; Magn Res Med 1987; 5: 262
- size dependent changes in tumor phosphate metabolism after radiation therapy as detected by ^{31}P NMR spectroscopy; Koutcher JA; Okunieff P; Neuringer L; et al; Int J Radiat Oncol Biol Phys 1987; 13: 1851
- spectral resolution in clinical magnetic resonance spectroscopy; Cox JF; Bryant DJ; Ross BD; et al; Magn Res Med 1987; 5: 186
- spectroscopic applications of magnetic resonance to biomedical problems; Kushmerick MJ; Cardiovasc Intervent Radiol 1986; 8: 382
- spin-echo proton NMR spectroscopy of urine samples. water suppression via a urea-dependent T_2 relaxation process; Connor S; Everett J; Nicholson JK; Magn Res Med 1987; 4: 461
- study of human organs by phosphorus-31 topical magnetic resonance spectroscopy; Oberhaensli RD; Galloway GJ; Hilton-Jones D; et al; Br J Radiol 1987; 60: 367
- synthesis of [guanidino- ^{13}C]creatine and measurement of the creatine phosphokinase reaction *in vitro* by ^{13}C NMR spectroscopy; Han CH; Sillerud LO; Magn Res Med 1986; 3: 626
- T_2 effect of hemoglobin concentration: assessment with *in vitro* MR spectroscopy; Hayman LA; Ford JF; Taber KH; Saleem A; Round ME; Bryan RN; Radiology 1988; 168: 489
- transformer-coupled double-resonant probe for NMR imaging and spectroscopy; Fitzsimmons JR; Brooker HR; Beck B; Magn Res Med 1987; 5: 471
- tumor detection with phase-contrast imaging: evaluation of clinical potential; Paling MR; Brookeman JR; Mugler JP; Radiology 1987; 162: 199
- tumor size dependent changes in a murine fibrosarcoma: use of *in vivo* ^{31}P NMR for non-invasive evaluation of tumor metabolic status; Okunieff PG; Koutcher JA; Gerweck L; et al; Int J Radiat Oncol Biol Phys 1986; 12: 793
- utilization of two frequency-shifted sinc pulses for performing volume-selected *in vivo* NMR spectroscopy; Doddrell DD; Galloway GJ; Brooks WM; et al; Magn Res Med 1986; 3: 970
- versatile multinuclear probe designed for *in vivo* NMR spectroscopy: applications to subcutaneous human tumors in mice; Lyon RC; Tschudin RG; Daly PF; et al; Magn Res Med 1988; 6: 1
- water-suppressed volume-selected ^1H NMR spectroscopy *in vivo*: application to study tumor metabolism; Haseler LJ; Galloway GJ; Field James; et al; Magn Res Med 1987; 5: 508
- whole-body MR imaging and spectroscopy at 4 T: where do we go from here?; Ortendahl DA; Radiology 1988; 169: 664
- whole-body MR imaging and spectroscopy with a 4-T system; Barfuss H; Fischer H; Hentschel D; Ladebeck R; Vetter J; Radiology 1988; 169: 811
- work in progress: *in vitro* analysis of pleural fluid analogs by proton magnetic resonance. preliminary studies at 1.5T; Vock P; Hedlund LW; Herfkens RJ; et al; Invest Radiol 1987; 22: 382
- Magnetic resonance (MR), surface coils**
- clinical MR imaging with a Helmholtz-type surface coil; Reiman TH; Heiken JP; Totty WG; Lee JKT; Radiology 1988; 169: 564
- magnetic resonance imaging of the orbits using a binocular surface coil; Deans HE; Redpath TW; Smith FW; et al; Br J Radiol 1988; 61: 665
- simultaneous reception from a whole-volume coil and a surface coil on a clinical MR system; Kneeland JB; Jesmanowicz A; Froncisz W; Hyde JS; Radiology 1988; 169: 255
- Magnetic resonance (MR), technology**
- 1.5 T *in vivo* ^{31}P NMR spectroscopy of the human liver using a sectorial resonator; Crist TM; Jesmanowicz A; Froncisz W; et al; Magn Res Med 1986; 3: 135
- accuracy and precision in the measurement of relaxation times from nuclear magnetic resonance images; Johnson G; Ormerod IEC; Barnes D; et al; Br J Radiol 1987; 60: 143
- accuracy of area measurements made from MR images compared with computed tomography; Zhu XP; Checkley DR; Hickey DS; et al; JCAT 1986; 10: 96
- accurate quantification of *in vivo* ^{31}P NMR signals using the variable projection method and prior knowledge; van der Veen JWC; de Beer R; Luyten PR; et al; Magn Res Med 1988; 6: 92
- adaptation of culture methods for NMR studies of anchorage-dependent cells; Neeman M; Kuschin E; Kadouri A; et al; Magn Res Med 1988; 7: 236
- analysis of fast imaging sequences with steady-state transverse magnetization refocusing; Zur Y; Stokar S; Bendel P; Magn Res Med 1988; 6: 175
- application of anatomically shaped surface coils in MRI at 0.5 T; Doornbos J; Grimbergen HAA; Booijen PE; et al; Magn Res Med 1986; 3: 270
- application of an equivalent circuit to signal-to-noise calculations in MRI; van Heteren JG; Henkelman RM; Bronskill MJ; Magn Res Med 1987; 5: 101
- application of a T_2 -filtered COSY experiment to identify the origin of slowly relaxing species in normal and malignant tissue; Williams PG; Saunders JK; Dyne M; et al; Magn Res Med 1988; 7: 463
- application of autoregressive modelling in magnetic resonance imaging to remove noise and truncation artifacts; Smith MR; Nichols ST; Henkelman RM; et al; Magn Res Med 1986; 4: 257
- application of steady-state free precession in rapid 2DFT NMR imaging: fast and CE-fast sequences; Gyngell ML; Magn Res Med 1988; 6: 415
- application of steady-state free precession to the study of very slow fluid flow; Patz S; Hawkes RC; Magn Res Med 1986; 3: 140
- approaches to MR angiography; Spickler E; McKenna KM; Lufkin RB; Comput Med Imag Graph 1988; 12: 211
- averaging error in NMR slice profile measurements; Seliskar M; Fearon T; Magn Res Med 1988; 7: 280
- breast MR imaging with loop-gap resonators; Hornak JP; Szumowski J; Rubens D; Janus J; Bryant RG; Radiology 1986; 161: 832
- cardiac T_1 calculations from MR spin-echo images; Prato FS; Drost DJ; King M; et al; Magn Res Med 1987; 4: 227
- cardiovascular disease: evaluation with MR phase imaging; Rumancik WM; Naidich DP; Chandra R; Kowalski HM; McCauley DJ; Megibow AJ; Hernanz-Schulman M; Genieser NB; Radiology 1988; 166: 63
- carotid bifurcation: MR imaging: work in progress; Masaryk TJ; Rose JS; Modir MT; Lenz GW; Haacke EM; Radiology 1988; 166: 461
- cervical spine anatomy and pathologic processes: applications of new MR imaging techniques; Czervionke LF; Daniels DL; Radiol Clin North Am 1988; 26: 921
- cervical spine MR imaging: generating high-signal CSF in sagittal and axial images; Enzmann DR; Rubin JB; Wright A; Radiology 1987; 163: 233
- cervical spine MR imaging using multislice gradient echo imaging: comparison with cardiac gated spin echo; Kulkarni MV; Narayana PA; McArdle CB; et al; Magn Res Med 1988; 6: 517
- characteristics of partial flip angle and gradient reversal MR imaging; Winkler ML; Ortendahl DA; Mills TC; Crooks LE; Sheldon PE; Kaufman L; Kramer DM; Radiology 1988; 166: 17
- characterization of MR spectroscopic imaging of the human head and limb at 2.0 T; Tropp JS; Sugita S; Derby KA; Suzuki Y; Hawryszko C; Yamagata H; Klein JE; Ortendahl DA; Kaufman L; Acosta GF; Radiology 1988; 169: 207
- chemical shift-based true water and fat images: regional phase correction of modified spin-echo MR images; Borello JA; Chenevert TL; Meyer CR; Aisen AM; Glazer GM; Radiology 1987; 164: 531
- classification and investigation of artifacts in magnetic resonance imaging; Porter BA; Hastrup W; Richardson ML; Wesbey GE; Olson DO; Cromwell LD; Moss AA; Radiographics 1987; 7: 271
- clinical applications and methodological developments of the rare technique; Hennig J; Friedburg H; Magn Res Med 1988; 6: 391
- clinical experience with rapid 2DFT SSFP imaging at low field strength; Jolesz FA; Patz S; Magn Res Med 1988; 6: 397
- clinical MR imaging with a Helmholtz-type surface coil; Reiman TH; Heiken JP; Totty WG; Lee JKT; Radiology 1988; 169: 564
- clinical use of rapid T2 weighted partial saturation sequences in MR imaging; Bydder GM; Payne JA; Collins AG; et al; JCAT 1987; 11: 17
- coarctation of the aorta: MR imaging; von Schulthess GK; Higashino SM; Higgins SS; Didier D; Fisher MR; Higgins CB; Radiology 1986; 158: 469
- comparison of calculated relaxation parameters between an MR imager and spectrometer operating at similar frequencies; Condon BR; Patterson J; Wyper D; et al; Magn Res Med 1986; 4: 449
- comparison of fast spin echo and gradient field echo sequences; Tkach JA; Haacke EM; Magn Res Med 1988; 6: 373
- comparison of intracellular pH measurements by ^{31}P NMR and weak acid partitioning in Chinese hamster ovary fibroblasts; González-Méndez R; Hahn GM; Wade-Jardetzky NG; et al; Magn Res Med 1988; 6: 373
- comparison of one-shot and recovery methods in T1 imaging; Crawley AP; Henkelman RM; Magn Res Med 1988; 7: 23
- comparison of respiratory triggering and gating techniques for the removal of respiratory artifacts in MR imaging; Lewis CE; Prato FS; Drost DJ; Nicholson RL; Radiology 1986; 160: 803
- comparison of some gradient-encoded volume-selection techniques for *in vivo* NMR spectroscopy; Galloway GJ; Breton IM; Brooks WM; et al; Magn Res Med 1987; 4: 393
- compensation for surface coil sensitivity variation in magnetic resonance imaging; Narayana PA; Brey WW; Kulkarni MV; et al; Magn Res Med 1988; 6: 271
- complication in prescan strategy when using surface coils; Jesmanowicz A; Froncisz W; Hyde JS; Magn Res Med 1987; 5: 318
- computer simulation of nuclear magnetic resonance imaging; Summers RM; Axel L; Israel S; Magn Res Med 1986; 3: 363
- considerations of magnetic resonance angiography by selective inversion recovery; Nishimura DG; Macovski A; Pauly JM; Magn Res Med 1988; 7: 472
- contrast in rapid MR imaging: T1- and T2-weighted imaging; Buxton RB; Edelman RR; Rosen BR; et al; JCAT 1987; 11: 7
- contrast optimization for the detection of focal hepatic lesions by MR imaging at 1.5 T; Foley WD; Kneeland JB; Cates JD; et al; AJR 1987; 149: 1155
- contribution of intravoxel incoherent motion (IVIM) imaging to neuroradiology; Le Bihan D; Breton E; Lallemand D; et al; J Neuroradiol 1987; 14: 295
- correction of spatial distortion in MR imaging: a prerequisite for accurate stereotaxy; Schad L; Lott S; Schmitt F; et al; JCAT 1987; 11: 499
- correction of spatially dependent phase shifts for partial Fourier imaging; MacFall JR; Pelc NJ; Vavrek RM; Magn Res Med 1988; 6: 143
- counter rotating current local coils for high-resolution magnetic resonance imaging; Froncisz W; Jesmanowicz A; Kneeland JB; et al; Magn Res Med 1986; 3: 590

- critical evaluation of the quality of synthetic MR images, Schopflin RE; Bosiger P; Meier D, *Magn Res Med* 1986; 4: 435
- CSF-gated MR imaging of the spine: theory and clinical implementation, Rubin JB; Enzmann DR; Wright A, *Radiology* 1987; 163: 784
- dedicated MR receiver coils: simple design and construction method, Wall BE; Wolfman NT; Williams R; Moran PR, *Radiology* 1986; 160: 273
- depth-focused radio frequency coils for MR imaging, Carlson JW; Arakawa M; Kaufman L; McCarten BM; George C, *Radiology* 1987; 165: 251
- description of a low field resistive magnetic resonance imaging system and its application in imaging midline central nervous system pathology, Kean DM; Smith MA; Douglas RHB; et al, *Clin Radiol* 1986; 37: 211
- design modification of dedicated MR breast coil, Wolfman NT; Williams RW; Wall BE; et al, *JCAT* 1986; 10: 893
- design of a multiple inversion recovery sequence for T1 measurement, Young IR; Hall AS; Bydder GM, *Magn Res Med* 1987; 5: 99
- detection of motion using B₁ gradients, Karcmar GS; Twieg DB; Lawry TJ; et al, *Magn Res Med* 1988; 7: 111
- determinants of water proton T₁ in blood serum, Raeymaekers HH; Borghys D; Eisendrath H, *Magn Res Med* 1988; 6: 212
- determination of renal molar concentrations of phosphorus-containing metabolites in vivo using ³¹P NMR, Shine NR; Xuan JA; Koretsky AP; et al, *Magn Res Med* 1987; 4: 244
- deuterium nuclear magnetic resonance spin-imaging of D₂O: potential exogenous MRI label, Ewy CS; Babcock EE; Ackerman JJH, *Magn Res Med* 1986; 4: 407
- deuterium nuclear spin relaxation in biological tissues, Block RE; Parekh BC, *Magn Res Med* 1987; 5: 286
- digital mapping of multi-parameter contrast functions in magnetic resonance (MR) imaging using a standard MR computer system and digital display, Condon BR; Patterson J; Wyper D; et al, *Comput Radiol* 1986; 10: 269
- direct FLASH MR imaging of magnetic field inhomogeneities by gradient compensation, Frahm J; Merboldt K-D; Hänicke W, *Magn Res Med* 1988; 6: 474
- disappearing iliac vessels: an MR phase cancellation phenomenon, Mayo JR; McVeigh ER; Hoffman N; Poon PY; Henkelman RM, *Radiology* 1987; 164: 555
- double loop receiver coil for MR imaging at 0.15 T, Akis EW; Fitzsimmons JR; Mancuso AA; et al, *JCAT* 1986; 10: 1083
- double pulse echoes—a novel approach for fat-water separation in magnetic resonance imaging, Kunz D, *Magn Res Med* 1986; 3: 639
- doubly tuned local coils for MRI and MRS at 1.5 T, Crist TM; Jesmanowicz A; Kneeland JB; et al, *Magn Res Med* 1988; 6: 253
- dynamic digital subtraction imaging using fast low-angle shot MR movie sequences, Haase A; Matthaei D; Hanicke W; Frahm J, *Radiology* 1986; 160: 537
- dynamic range compression in MRI by means of a nonlinear gradient pulse, Weden VJ; Chao Y-S; Ackerman JL, *Magn Res Med* 1988; 6: 287
- dynamic-range compression in surface-coil MRI, Lufkin RB; Sharpless T; Flannigan BD; et al, *AJR* 1986; 147: 379
- echo acquisition during frequency-selective pulse trains for proton spectroscopy of metabolites in vivo, Meyer RA, *Magn Res Med* 1987; 4: 297
- echocardiographic-like angled views of the heart by MR imaging, Burbank F; Parish D; Wexler L, *JCAT* 1988; 12: 181
- echo-planar pediatric imager, Crooks LE; Arakawa M; Hylton NM; Avram H; Hoenninger JC; Watts JC; Hale JD; Kaufman L, *Radiology* 1988; 166: 157
- echo shape analysis and image size adjustment on the level of echoes: improvement of parameter-selective proton images, Staemmler M; Gersonde K, *Magn Res Med* 1986; 3: 418
- effect of induced field inhomogeneity on transverse proton NMR relaxation in tissue water and model systems, Kurland RJ; Ngo FQH, *Magn Res Med* 1986; 3: 425
- effect of multislice interference on image contrast in T₂- and T₁-weighted MR images, Kucharczyk W; Crawley AP; Kelly WM; et al, *AJNR* 1988; 9: 443
- effect of phase-encoding direction upon magnetic resonance image quality of the heart, Thickman D; Rubinstein R; Askenase A; et al, *Magn Res Med* 1988; 6: 390
- effect of the sampling rate on magnetic resonance imaging, Vinitski S; Griffey R; Fuka M; et al, *Magn Res Med* 1987; 5: 278
- effect of variation in slice thickness and interslice gap on MR lesion detection, Bradley WG; Glenn BJ, *AJNR* 1987; 8: 1057
- effects of age on apparent ³¹P spin-lattice relaxation times of rat brain phosphates, Stolk JA; Olsen JJ; Alderman DW; et al, *Magn Res Med* 1987; 5: 78
- effects of antimalarial drugs on oxygen consumption by erythrocytes infected with *Plasmodium berghei*: ESR study, Butler KW; Deslauriers R; Smith ICP, *Magn Res Med* 1986; 3: 312
- effects of finite sampling in spin-echo or field-echo magnetic resonance imaging, Haacke EM, *Magn Res Med* 1987; 4: 407
- efficient pulse sequence for multislice dual-repetition time MR image acquisition, Farzaneh F; Riederer SJ; Djang WT; Curnes JT; Herfkens RJ, *Radiology* 1988; 167: 541
- eigenimage filtering in MR imaging, Windham JP; Abd-Allah MA; Reimann DA; et al, *JCAT* 1988; 12: 1
- electrocardiographic gating and monitoring in NMR imaging, Wendt RE III; Rokey R; Vick GW III; et al, *Magn Res Med* 1988; 6: 89
- elimination of coupling between cylindrical transmit coils and surface-receive coils for *in vivo* NMR, Bendall MR; Connelly A; McKendry JM, *Magn Res Med* 1986; 3: 157
- energetics of human muscle: exercise-induced ATP depletion, Taylor DJ; Styles P; Matthews PM; et al, *Magn Res Med* 1986; 3: 44
- enhanced proton magnetic resonance imaging of experimental mammary tumors, Block RE; Parekh BC, *Magn Res Med* 1988; 6: 116
- enhancement of parallel MR image acquisition by rotation of the plane of section, Kneeland JB; Jesmanowicz A; Hyde JS, *Radiology* 1988; 166: 886
- equivalent circuit for coil-patient interactions in magnetic resonance imaging, van Heteren JG; Henkelman RM; Bronskill MJ, *Magn Res Med* 1987; 5: 93
- errors in spin-lattice relaxation time measurements from restricted volumes, Morrone T, *Magn Res Med* 1987; 5: 434
- errors in T₁-determination using multislice technique and Gaussian slice profiles, Just M; Higer HP; Pfannenstiel P, *Magn Res Med* 1988; 6: 53
- errors in T₂ estimation using multislice multiple-echo imaging, Crawley AP; Henkelman RM, *Magn Res Med* 1987; 4: 34
- errors in the measurements of T₂ using multiple-echo MRI techniques. I. effects of radiofrequency pulse imperfections, Majumdar S; Orphanoudakis SC; Gmitro A; et al, *Magn Res Med* 1986; 3: 397
- errors in the measurements of T₂ using multiple-echo MRI techniques. II. effects of static field inhomogeneity, Majumdar S; Orphanoudakis SC; Gmitro A; et al, *Magn Res Med* 1986; 3: 562
- estimation and correction scheme for system imperfections in multiple-echo magnetic resonance imaging, Majumdar S; Gmitro A; Orphanoudakis SC; et al, *Magn Res Med* 1987; 4: 203
- evaluation of the effect of fasting on the exercise-induced changes in pH and P_i/PCr from skeletal muscle, Lunt JA; Allen PS; Brauer M; et al, *Magn Res Med* 1986; 3: 946
- even-echo rephasing and constant velocity flow, Katz J; Peshock RM; Malloy CR; et al, *Magn Res Med* 1987; 4: 422
- FADE—a new fast imaging sequence, Redpath TW; Jones RA, *Magn Res Med* 1988; 6: 224
- fast and exact flow measurements with the fast Fourier flow technique, Hennig J; Mueri M; Brunner P; et al, *Magn Res Med* 1988; 6: 369
- fast field echo imaging: an overview and contrast calculations, van der Meulen P; Groen JP; Tinus AMC; et al, *Magn Res Med* 1988; 6: 355
- fast-field-echo MR imaging with Gd-DTPA: physiologic evaluation of the kidney and liver, Pettigrew RI; Avruch L; Dannels W; Coumans J; Bernardino ME, *Radiology* 1986; 160: 561
- fast magnetic resonance in vascular diseases of the abdomen, Raval B; Kulkarni M; Narayana P; et al, *Magn Res Med* 1988; 6: 473
- fast MRI data acquisition using multiple detectors, Hutchinson M; Raff U, *Magn Res Med* 1988; 6: 87
- fast three-dimensional MR imaging of the knee: comparison with arthroscopy, Tyrell RL; Gluckert K; Pathria MN; Modic MT, *Radiology* 1988; 166: 865
- fat and water separation at 0.23 T using simultaneous shift selective imaging, Hennig J; Friedburg H, *Magn Res Med* 1986; 3: 844
- FLASH: clinical three-dimensional magnetic resonance imaging, Runge VM; Wood ML; Kaufman DM; Nelson KL; Traill MR, *Radiographics* 1988; 8: 947
- flexible mercury-filled surface coil for MR imaging, Malko JA; McClees EC; Braun IF; et al, *AJNR* 1986; 7: 246
- flow measurement by the development of phase differences during slice formation in MR imaging, Young IR; Bydder GM; Payne JA, *Magn Res Med* 1986; 3: 175
- flow suppression in rapid FLASH NMR images, Frahm J; Merboldt K-D; Hanicke W; et al, *Magn Res Med* 1987; 4: 372
- fluorine-19 NMR imaging of glucose metabolism, Nakada T; Kwee IL; Card PJ; et al, *Magn Res Med* 1988; 6: 307
- FRODO pulse sequences: a new means of eliminating motion, flow, and wraparound artifacts, Edelman RR; Atkinson D; Silver MS; Loazia FL; Warren WS, *Radiology* 1988; 166: 231
- further improvement of high-speed NMR flow-velocity measurement using a differential phase-encoding technique, Kim YS; Mun CW; Jung KJ; et al, *Magn Res Med* 1987; 4: 289
- gradient echo (GRASS) MR imaging in cervical radiculopathy, Hedberg MC; Drayer BP; Flom RA; et al, *AJNR* 1988; 9: 145
- halving MR imaging time by conjugation: demonstration at 3.5 kG, Feinberg DA; Hale JD; Watts JC; Kaufman L; Mark AS, *Radiology* 1986; 161: 527
- hemorrhagic and nonhemorrhagic brain lesions: evaluation with 0.35-T fast MR imaging, Winkler ML; Olsen WL; Mills TC; Kaufman L, *Radiology* 1987; 165: 203
- hepatic gluconeogenesis from alanine: ¹³C nuclear magnetic resonance methodology for *in vivo* studies, Stromski ME; Arias-Mendoza F; Alger JR; et al, *Magn Res Med* 1986; 3: 24
- highly homogeneous circularly polarized RF field for whole body NMR imaging, Sotgiu A; Gualtieri G; Passariello R, *Magn Res Med* 1988; 6: 249
- high-order coils as transmitters for NMR imaging, Sotgiu A; Hyde JS, *Magn Res Med* 1986; 3: 55
- high-quality MR imaging with flexible transverse line resonators, Zabel H-J; Bader A; Gehrig J; Lorenz WJ, *Radiology* 1987; 165: 857
- high-resolution MR imaging using loop-gap resonators: work in progress, Kneeland JB; Jesmanowicz A; Froncisz W; Crist TM; Hyde JS, *Radiology* 1986; 158: 247
- high resolution surface coil magnetic resonance imaging of the spine: normal and pathologic anatomy, Berger PE; Atkinson D; Wilson WJ; Wiltse L, *Radiographics* 1986; 6: 573
- high-temperature superconductors: will new materials take the chill off our magnets?, Crooks LE; Kelley D, *AJR* 1987; 149: 223

- human brain motion and cerebrospinal fluid circulation demonstrated with MR velocity imaging. Feinberg DA; Mark AS. *Radiology* 1987; 163: 793
- hybrid color MR imaging display. Weiss KL; Stiving SO; Herderick EE; et al. *AJR* 1987; 149: 825
- II. a protocol for in vitro proton relaxation studies, EEC Concerted Research Project. *Magn Res Imag* 1988; 6: 179
- III. multi-center trial with an in vitro NMR protocol. Mathur-De Vrè R; Binet J; Bovée WMMJ; et al. *Magn Res Imag* 1988; 6: 185
- improved precision in calculated T1 MR images using multiple spin-echo acquisition. Riederer SJ; Bobman SA; Lee JN; et al. *JCAT* 1986; 10: 103
- improvements in snap-shot nuclear magnetic resonance imaging. Howseman AM; Stehling MK; Chapman B; et al. *Br J Radiol* 1988; 61: 822
- index system for comparative parameter weighting in MR imaging. Elster AD. *JCAT* 1988; 12: 130
- indirect monitoring of carbon-13 metabolism with NMR: analysis of perfusate with a closed-loop flow system. O'Leary DJ; Hawkes SP; Wade CG. *Magn Res Med* 1987; 5: 572
- inflatable surface coil for MR imaging of the prostate. Martin JF; Hajek P; Baker L; Gyls-Morin V; Fitzmorris-Glass R; Mattrey RR. *Radiology* 1988; 167: 268
- influence of glycogen on water proton relaxation times. Gore JC; Brown MS; Mizumoto CT; et al. *Magn Res Med* 1986; 3: 463
- influence of paramagnetic ions and pH on proton NMR relaxation of biologic fluids. Barnhart JL; Berk RN. *Invest Radiol* 1986; 21: 132
- initial experience with fast low-angle multiecho (FLAME) imaging of the central nervous system. Hackney DB; Lenkinski RE; Grossman RI; et al. *JCAT* 1988; 12: 171
- in-plane flow velocity quantification along the phase encoding axis in MRI. Duerk JL; Pattany PM. *Magn Res Imag* 1988; 6: 321
- in situ magnetic resonance microscopy. Hollett MD; Cofer GP; Johnson GA. *Invest Radiol* 1987; 22: 965
- instant images of the body by magnetic resonance. Pykett IL; Rzedzian RR. *Magn Res Med* 1987; 5: 563
- instant images of the human heart using a new, whole-body MR imaging system. Rzedzian RR; Pykett IL. *AJR* 1987; 149: 245
- integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience. Lenkinski RE; Holland GA; Allman T; Vogele K; Kressel HY; Grossman RI; Charles HC; Engeseth HR; Flamig D; MacFall JR. *Radiology* 1988; 169: 201
- intensity correction in surface-coil MR imaging. Axel L; Costantini J; Listerud J. *AJR* 1987; 148: 418
- intracranial lesions: flow-related enhancement on MR images using time-of-flight effects. Kucharczyk W; Kelly WM; Davis DO; Norman D; Newton TH. *Radiology* 1986; 161: 767
- investigation of a whole-body receiver coil operating at liquid nitrogen temperatures. Hall AS; Barnard B; McArthur P; et al. *Magn Res Med* 1988; 7: 230
- in vitro ¹H NMR "mapping" of human intervertebral discs. Furo I; Bobest M; Pocsik I; et al. *Magn Res Med* 1986; 3: 146
- in vitro proton T₁ and T₂ studies on rat liver: analysis of multieponential relaxation processes. Barthwal R; Hohn-Berlage M; Geronde K. *Magn Res Med* 1986; 3: 863
- in vivo measurement of spin lattice relaxation time (T₁) of bone marrow in healthy volunteers: the effects of age and sex. Richards MA; Webb JAW; Jewell SE; et al. *Br J Radiol* 1988; 61: 30
- in vivo measurement of spin lattice relaxation time (T₁) of liver in healthy volunteers: the effects of age, sex and oral contraceptive usage. Richards MA; Webb JAW; Jewell SE; et al. *Br J Radiol* 1988; 61: 34
- in vivo measurements of relaxation process in the human liver by MRI. the role of respiratory gating/trigging. Thomsen C; Henriksen O; Ring P. *Magn Res Imag* 1988; 6: 431
- in vivo MR spectroscopy of human subjects with a 1.4-T whole-body MR imager. Ng TC; Majors AW; Meaney TF. *Radiology* 1986; 158: 517
- in vivo validation of MR velocity imaging. Firmin DN; Nayler GL; Klipstein RH; et al. *JCAT* 1987; 11: 751
- IV. protocols and test objects for the assessment of MRI equipment, EEC Concerted Research Project. *Magn Res Imag* 1988; 6: 195
- localization grid for MR-guided biopsy. Hajek PC; Gyls-Morin VM; Stavas J; vanSonnenberg E. *Radiology* 1987; 163: 825
- localization grid for MR-guided biopsy. Widder DJ. *Radiology* 1988; 166: 581
- localized imaging using stimulated echoes. Mills P; Chew W; Litt L; et al. *Magn Res Med* 1987; 5: 384
- localized magnetic resonance imaging with oscillating gradients. Feig E. *Magn Res Med* 1987; 4: 48
- low cost personal monitor for the detection of stray magnetic fields. Gore JC; Wilkens KL; Holcomb WC. *Magn Res Imag* 1986; 4: 73
- low-power NMR volume selection by slicing z magnetization. Brereton IM; Brooks WM; Marshman MF; et al. *Magn Res Med* 1987; 5: 586
- magnetic field dependence of the breathing artifact. Wood ML; Henkelman RM. *Magn Res Imag* 1986; 4: 387
- magnetic field mapping. Hornak JP; Szumowski J; Bryant RG. *Magn Res Med* 1988; 6: 158
- magnetic resonance angiography. Dumoulin CL; Hart HR Jr. *Radiology* 1986; 161: 717
- magnetic resonance angiography by selective inversion recovery using a compact gradient echo sequence. Nishimura DG; Macovski A; Jackson JL; et al. *Magn Res Med* 1988; 8: 96
- magnetic resonance image synthesis from an interleaved saturation recovery/inversion recovery sequence. Redpath TW; Smith FW; Hutchison JMS. *Br J Radiol* 1988; 61: 619
- magnetic resonance imaging of intracranial neoplasms at 0.02 tesla. Korman M; Raininko R; Kevyus K. *Acta Radiol* 1987; 28: 369
- magnetic resonance imaging of the knee and correlation with normal anatomy. Mesgarzadeh M; Schneek CD; Bonakdarpour A. *Radiographics* 1988; 8: 707
- magnetic resonance imaging of the parotid glands using inversion-recovery sequences at 0.08 T. Smith FW; Deans HE; McLay KA; et al. *Br J Radiol* 1988; 61: 480
- magnetic resonance imaging: the use of the inversion recovery sequence to display fetal morphology. Smith FW; Sutherland HW. *Br J Radiol* 1988; 61: 338
- magnetic resonance microscopy of the rat thorax and abdomen. Hedlund LW; Johnson GA; Mills GI. *Invest Radiol* 1986; 21: 843
- magnetic resonance. RSNA '87 meeting notes. Bryan RN; Brant-Zawadzki M; Lee JKT. *Radiology* 1988; 166: 613
- mathematical model for signal from spins flowing during the application of spin echo pulse sequences. Gullberg GT; Simons MA; Wehrli FW. *Magn Res Imag* 1988; 6: 437
- maximizing signal-to-noise and contrast-to-noise ratios in FLASH imaging. Hendrick RE; Kneeland JB; Stark DD. *Magn Res Imag* 1987; 5: 117
- maximum entropy method in phase-encoding NMR imaging. De Simone BC; De Luca F; Maraviglia B; et al. *Magn Res Med* 1987; 4: 78
- measurement of extracellular water volumes in tissues by gadolinium modification of ¹H-NMR spin lattice (T₁) relaxation. Braunschweiger PG; Schiffer LM; Furmanski P. *Magn Res Imag* 1986; 4: 285
- measurement of solute proton spin-lattice relaxation times in water using the 1.3,3.1 sequence. Sankar SS; Mole PA; Coulson RL. *Magn Res Med* 1986; 3: 958
- mediastinal vessels: postoperative evaluation with MR imaging. Katz ME; Glazer HS; Siegel MJ; Gutierrez F; Levitt RG; Lee JKT. *Radiology* 1986; 161: 647
- method for the clinical measurement of relaxation times in magnetic resonance imaging. Hickey DS; Checkley D; Aspdren RM; et al. *Br J Radiol* 1986; 59: 565
- mitral or aortic regurgitation: quantification of regurgitant volumes with cine MR imaging. Sechtem U; Pflugfelder FW; Cassidy MM; White RD; Cheitlin MD; Schiller NB; Higgins CB. *Radiology* 1988; 167: 425
- modified crossed-ellipse radiofrequency coil for MRI. De Luca F; Crescenzi A; Luzzi M; et al. *Magn Res Med* 1986; 3: 491
- modified stimulated echo sequence for elimination of signals from stationary spins in MRI. Lahrech H; Briguet A; Graveron-Demilly D; et al. *Magn Res Med* 1987; 5: 196
- modulation of water proton relaxation rates by liposomes containing paramagnetic materials. Bacić G; Niesman MR; Bennett HF; et al. *Magn Res Med* 1988; 6: 445
- monitoring of acutely ill patients during nuclear magnetic resonance imaging: use of a time-varying filter electrocardiographic gating device to reduce gradient artifacts. Rokey R; Wendt R; Johnston DL. *Magn Res Med* 1988; 6: 240
- motion artifact reduction in MR imaging of the abdomen: gradient moment nulling versus respiratory-sorted phase encoding. Mitchell DG; Vinitaki S; Burk DL Jr; Levy DW; Rifkin MD. *Radiology* 1988; 169: 155
- motion artifact reduction with fast spin-echo imaging. Stark DD; Hendrick RE; Hahn PF; Ferrucci JT Jr. *Radiology* 1987; 164: 183
- motion artifacts in quantitative magnetic resonance imaging. Aisen AM; Glazer GM; Carson FL; et al. *Magn Res Imag* 1986; 4: 207
- motion artifact suppression technique (MAST) for cranial MR imaging: superiority over cardiac gating for reducing phase-shift artifacts. Elster AD. *AJNR* 1988; 9: 671
- motion artifact suppression technique (MAST) for MR imaging. Pattany PM; Phillips JJ; Chiu LC; et al. *JCAT* 1987; 11: 369
- MR angiography with gradient motion refocusing. Laub GA; Kaiser WA. *JCAT* 1988; 12: 377
- MR flow imaging by velocity-compensated/uncompensated difference images. Axel L; Morton D. *JCAT* 1987; 11: 31
- MR flow imaging in projection through a stationary surround. Saloner D; Hinson WH; Moran PR; et al. *JCAT* 1988; 12: 122
- MR fluoroscopy: technical feasibility. Riederer SJ; Tasciyan T; Farzaneh F; et al. *Magn Res Med* 1988; 8: 1
- MRI: development of T₂ contrast with rapid field echo sequences. Young IR; Payne JA; Collins AG; et al. *Magn Res Med* 1987; 4: 333
- MR imaging artifacts, ferromagnetism, and magnetic torque of intravascular filters, stents, and coils. Teitelbaum GP; Bradley WG Jr; Klein BD. *Radiology* 1988; 166: 657
- MR imaging of body fluid collections. Terrier F; Revel D; Pajanne H; et al. *JCAT* 1986; 10: 953
- MR imaging of flow using the steady state selective saturation method. Hennig J; Mueri M; Friedburg H; et al. *JCAT* 1987; 11: 872
- MR imaging of the acutely injured patient with cervical traction. McArdle CB; Wright JW; Prevost WJ; Dornfest J; Amparo EG. *Radiology* 1986; 159: 273
- MR imaging of the intratemporal facial nerve using surface coils. Teresi LM; Lufkin RB; Wortham DG; et al. *AJNR* 1987; 8: 49
- MR imaging of the thorax: a comparison of axial, coronal, and sagittal imaging planes. Batra P; Brown K; Steckel RJ; et al. *JCAT* 1988; 12: 75

- MR imaging of ventilator-dependent patients: preliminary experience, Mirvis SE; Borg U; Belzberg H, *AJR* 1987; 149: 845
- MR imaging section profile optimization: improved contrast and detection of lesions, Runge VM; Wood ML; Kaufman DM; Silver MS, *Radiology* 1988; 167: 831
- MR imaging with surface coils in primary hyperparathyroidism, Kier R; Blinder RA; Herfkens RJ; et al, *JCAT* 1987; 11: 863
- MR instrumentation and image formation, Pavlicek W, *Radiographics* 1987; 7: 809
- MRI of extremities using perforated single-turn solenoids, Hornak JP; Marshall E; Szumowski J; et al, *Magn Res Med* 1988; 7: 442
- MRI simulator for instruction in pulse-sequence selection, Lufkin RB; Keen R; Rhodes M; et al, *AJR* 1986; 147: 199
- MR microscopy of rats *in vivo* at 4.7 T using surface coils, Rudin M, *Magn Res Med* 1987; 5: 443
- MR subtraction angiography with a matched filter, de Castro JB; Tasciyan TA; Lee JN; et al, *JCAT* 1988; 12: 355
- multiecho magnetic resonance angiography, Dumoulin CL; Souza SP; Feng H, *Magn Res Med* 1987; 5: 47
- multifrequency selective rf pulses for multislice MR imaging, Müller S, *Magn Res Med* 1988; 6: 364
- multinuclear magnetic resonance imaging technique—simultaneous proton and sodium imaging, Lee SW; Hilal SK; Cho ZH, *Magn Res Imag* 1986; 4: 343
- multinuclear MR imaging: technique for combined anatomic and physiologic studies, Schnall MD; Bolinger L; Renshaw PF; Hasselgrove JC; Subramanian VH; Eleff SM; Barlow C; Leigh JS Jr; Chance B, *Radiology* 1987; 162: 863
- multi-plane scout sequence using FLASH imaging, Wright SM; Wright RM, *Magn Res Imag* 1988; 6: 105
- multiple-angle, variable-interval, nonorthogonal MRI, Reicher MA; Lufkin RB; Smith S; et al, *AJR* 1986; 147: 363
- multiple chemical shift selective (CHESS) MR imaging using stimulated echoes, Matthaei D; Haase A; Frahm J; Bomsdorf H; Vollmann W, *Radiology* 1986; 160: 791
- multiple-spin-echo imaging with a 2D Fourier method, Graumann R; Oppelt A; Stetter E, *Magn Res Med* 1986; 3: 707
- multiple spin echo magnetic resonance imaging of the brain, Harms SE; Siemens PT; Hildenbrand P; Plum G, *Radiographics* 1986; 6: 117
- multiple spin-echo MR imaging of the body: image contrast and motion-induced artifact, Mitchell DG; Vinitski S; Burk DL Jr; et al, *Magn Res Imag* 1988; 6: 535
- multipurpose NMR imaging using stimulated echoes, Matthaei D; Frahm J; Haase A; et al, *Magn Res Med* 1986; 3: 554
- multisection fat-water imaging with chemical shift selective presaturation, Keller PJ; Hunter WW Jr; Schmalbrock P, *Radiology* 1987; 164: 539
- multispectral analysis of MR images of the breast, Gohagan JK; Spitznagel EL; Murphy WA; Vannier MW; Dixon WT; Gersell DJ; Rossnick SL; Totty WG; Destouet JM; Rickman DL; Spraggins TA; Butterfield RL, *Radiology* 1987; 163: 703
- musculo-skeletal magnetic resonance imaging using inversion recovery pulse sequences at 0.08 T, Smith FW, *Clin Radiol* 1988; 39: 412
- myocardial proton spin-lattice relaxation times *in vitro*: effect of elapsed time after excision, Campbell CF; Pearson GA; Collins SM; et al, *Magn Res Imag* 1986; 4: 473
- ²³Na rotating frame imaging in the perfused rabbit heart using separate transmitter and receiver coils, Moonen CTW; Anderson SE; Unger S, *Magn Res Med* 1987; 5: 296
- new device for exercise MR imaging, Schaefer S; Peshock RM; Parkey RW; et al, *AJR* 1986; 147: 1289
- new method for flow velocity measurement: frequency encoded NMR, Caprihan A; Davis JG; Altobelli SA; et al, *Magn Res Med* 1986; 3: 352
- new polyvinyl alcohol gel material for MRI phantoms, Mano I; Goshima H; Nambu M; et al, *Magn Res Med* 1986; 3: 921
- new reconstruction technique for echo-planar imaging to allow combined use of odd and even numbered echoes, Sekihara K; Kohno H, *Magn Res Med* 1987; 5: 485
- new steady-state imaging sequence for simultaneous acquisition of two MR images with clearly different contrasts, Bruder H; Fischer H; Graumann R; et al, *Magn Res Med* 1988; 7: 35
- NMR imaging of fluid dynamics in reservoir core, Baldwin BA; Yamanashi WS, *Magn Res Imag* 1988; 6: 493
- NMR instrumentation and hardware available at present and in the future, McFarland EW; Rosen BR, *Cardiovas Intervent Radiol* 1986; 8: 238
- NMR relaxation times of skeletal muscle: dependence on fiber type and diet, Mardini IA; McCarter BJM; Fullerton GD, *Magn Res Imag* 1986; 4: 393
- noise reduction in wide-bore magnets using a patient cage, Cackler TL; Bryant RG; Hornak JP, *Magn Res Med* 1987; 5: 173
- noninvasive determination of linoleic acid content of human adipose tissue by natural abundance carbon-13 nuclear magnetic resonance, Moonen CTW; Dimand RJ; Cox KL, *Magn Res Med* 1988; 6: 140
- normal shoulder: MR imaging, Kieft GJ; Bloem JL; Obermann WR; Verbout AJ; Rozing PM; Doornbos J, *Radiology* 1986; 159: 741
- nuclear magnetic resonance and gamma camera tumor imaging using gadolinium-labeled monoclonal antibodies, Anderson-Berg WT; Strand M; Lempert TE; et al, *J Nucl Med* 1986; 27: 829
- numerical T₁ computation from NMR intensity ratios, Lin MS; Fletcher JW; Herbig FK; et al, *Magn Res Imag* 1986; 4: 311
- oblique views in magnetic resonance imaging of the heart by combined axial rotations, Van Rossum AC; Visser FC; Van Eenige MJ; et al, *Acta Radiol* 1987; 28: 497
- observation of metabolites in the human brain by MR spectroscopy, Luyten PR; den Hollander JA, *Radiology* 1986; 161: 795
- on the calculation of magnetization slice profiles for NMR imaging and *in vivo* spectroscopy, Bulsing JM; Galloway GJ; Brereton IM; et al, *Magn Res Med* 1987; 5: 478
- optimal pulse sequence for imaging hepatic metastases, Henkelman RM; Hardy P; Poon PY; Bronskill MJ, *Radiology* 1986; 161: 727
- optimization of MR protocols: a statistical decision analysis approach, McVeigh ER; Bronskill MJ; Henkelman RM, *Magn Res Med* 1988; 6: 314
- optimized head coil design for MR imaging at 0.15 T, Marrocco BJ; Drost DJ; Prato FS, *Magn Res Med* 1987; 5: 143
- optimizing conventional MR imaging of the spine, Rubin JB; Enzmann DR, *Radiology* 1987; 163: 777
- optimizing electrocardiograph electrode placement for cardiac-gated magnetic resonance imaging, Dimick RN; Hedlund LW; Herfkens RJ; et al, *Invest Radiol* 1987; 22: 17
- optimizing the precision in T₁ relaxation estimation using limited flip angles, Wang HZ; Riederer SJ; Lee JN, *Magn Res Med* 1987; 5: 399
- orbital lesions: proton spectroscopic phase-dependent contrast MR imaging, Atlas SW; Grossman RI; Axel L; Hackney DB; Bilaniuk LT; Goldberg HI; Zimmerman RA, *Radiology* 1987; 164: 510
- parallel-plate split-conductor surface coil: analysis and design, Gonord P; Kan S; Leroy-Willig A, *Magn Res Med* 1988; 6: 353
- partial flip angle MR imaging, Mills TC; Ortendahl DA; Hylton NM; Crooks LE; Carlson JW; Kaufman L, *Radiology* 1987; 162: 531
- patient anesthesia and monitoring at a 1.5-T MRI installation, Karlik SJ; Heatherley T; Pavan F; et al, *Magn Res Med* 1988; 7: 210
- performance changes of an Anger camera in magnetic fields up to 10 G, Bieszk JA, *J Nucl Med* 1986; 27: 1902
- perfusion technique for ¹³C NMR studies of the metabolism of ¹³C-labeled substrates by mammalian cells, Lyon RC; Faustino PJ; Cohen JS, *Magn Res Med* 1986; 3: 663
- phase contrast in magnetic resonance imaging: perspectives for chemical shift imaging, Briguet A; Chankji J; Desorbay G; et al, *Magn Res Imag* 1986; 4: 431
- phase-offset technique to distinguish slow blood flow and thrombus on MR images, Dinsmore RE; Wedeen VJ; Rosen B; et al, *AJR* 1987; 148: 634
- potential false-negative MR images of the thoracic spine in disk disease with switching of phase- and frequency-encoding gradients, Enzmann DR; Griffin C; Rubin JB, *Radiology* 1987; 165: 635
- potential of cylindrical co-ordinate three-dimensional surface models, Mott DJ, *Br J Radiol* 1988; 61: 239
- projection angiograms of blood labeled by adiabatic fast passage, Dixon WT; Du LN; Faul DD; et al, *Magn Res Med* 1986; 3: 454
- pulse sequence extrapolation with MR image synthesis, Bobman SA; Riederer SJ; Lee JN; Tasciyan T; Farzaneh F; Wang HZ, *Radiology* 1986; 159: 253
- quadrature-multiplexed rf excitation for information doubling in NMR imaging, Ra JB; Hilal SK; Cho ZH; et al, *Magn Res Med* 1986; 3: 105
- quantitation of phosphate metabolites in human leg *in vivo*, Venkatasubramanian PN; Mafee MF; Bárány M, *Magn Res Med* 1988; 6: 359
- quantitative flow measurement in phase contrast MR angiography, Walker MF; Souza SP; Dumoulin CL, *JCAT* 1988; 12: 304
- quantitative flow measurement with the fast Fourier flow technique, Hennig J; Müri M; Brunner P; Friedburg H, *Radiology* 1988; 166: 237
- quantitative study of flow dependence in NMR images at low flow velocities, Stahlberg F; Nordell B; Ericsson A; et al, *JCAT* 1986; 10: 1006
- random noise selective excitation pulses, Ordridge RJ, *Magn Res Med* 1987; 5: 93
- RAPID—a new method for fast imaging using a single slice of z-magnetization, Brooks WM; Brereton IM; Doddrell DM, *Magn Res Med* 1987; 5: 191
- rapid average-flow velocity measurement by NMR, Altobelli SA; Caprihan A; David JG; et al, *Magn Res Med* 1986; 3: 317
- rapid ¹⁹F magnetic resonance imaging of perfluorooctyl bromide *in vivo*, Freeman DM; Muller HH; Hurd RE; et al, *Magn Res Imag* 1988; 6: 61
- rapid Fourier imaging using steady-state free precession, Hawkes RC; Patz S, *Magn Res Med* 1987; 4: 9
- rapid line scan NMR angiography, Frahm J; Merboldt KD; Hänicke W; et al, *Magn Res Med* 1988; 7: 79
- rapid local rectangular views and magnifications: reduced phase encoding of orthogonally excited spin echoes, Conturo TE; Price RR; Beth AH, *Magn Res Med* 1988; 6: 418
- rapid MR imaging with suspended respiration: clinical application in the liver, Edelman RR; Hahn PF; Buxton R; Wittenberg J; Ferrucci JT Jr; Saini S; Brady TJ, *Radiology* 1986; 161: 125
- rapid NMR imaging of dynamic processes using the FLASH technique, Frahm J; Haase A; Matthaei D, *Magn Res Med* 1986; 3: 321
- rapid three-dimensional angiography with undersampled MR imaging, Wedeen VJ; Chao YS, *JCAT* 1987; 11: 24
- rapid three-dimensional MR imaging using the FLASH technique, Frahm J; Haase A; Matthaei D, *JCAT* 1986; 10: 363
- RARE imaging: fast imaging method for clinical MR, Hennig J; Nauert A; Friedburg H, *Magn Res Med* 1986; 3: 823
- reactive hyperemia monitored on rat muscle using perfluorocarbons and ¹⁹F NMR, Authier B, *Magn Res Med* 1988; 6: 80
- real-time movie imaging from a single cardiac cycle by NMR, Chapman B; Turner R; Ordridge RJ; et al, *Magn Res Med* 1987; 5: 246

- real-value representation in inversion-recovery NMR imaging by use of a phase-correction method, Park HW; Cho MH; Cho ZH, *Magn Res Med* 1986; 3: 15
- reconstruction of the four basic cardiac projections from magnetic resonance images: a new aspect, Link KM; Herrara MA; D'Souza VJ; Formanek AG, *Radiographics* 1988; 8: 1109
- reduced MR acquisition time with the CROCUS technique, Ehrhardt JC; Tian Z; Chang W, *JCAT* 1988; 12: 466
- reducing motion artifacts in two-dimensional Fourier transform imaging, Haacke EM; Patrick JL, *Magn Res Imag* 1986; 4: 359
- reduction of MR imaging time by the hybrid fast-scan technique, Haacke EM; Bearden FH; Clayton JR; Linga NR, *Radiology* 1986; 158: 521
- regenerating nodules of liver cirrhosis: MR imaging, Imai Y; Ohnishi S; Ohtomo K; Kokubo T; Yoshida H; Yoshikawa K; Imawari M, *Radiology* 1987; 165: 419
- reproducibility of spin lattice relaxation time (T_1) measurement using an 0.08 tesla MD 800 magnetic resonance imager, Richards MA; Gregory WM; Webb JAW; et al, *Br J Radiol* 1987; 60: 241
- respiration artifacts in MR imaging: reduction by breath holding, Paling MR; Brookeman JR, *JCAT* 1986; 10: 1080
- respiratory effects in two-dimensional Fourier transform MR imaging, Axel L; Summers RM; Kressel HY; Charles C, *Radiology* 1986; 160: 795
- RF coil as a sensitive motion detector for magnetic resonance imaging, Buikman D; Helzel T; Röschmann P, *Magn Res Imag* 1988; 6: 281
- rotator cuff tears: preliminary application of high-resolution MR imaging with counter rotating current loop-gap resonators, Kneeland JB; Carrera GF; Middleton WD; Campagna NF; Ryan LM; Jesmanowicz A; Froncisz W; Hyde JS, *Radiology* 1986; 160: 695
- saturation and inversion transfer studies of creatine kinase kinetics in rabbit skeletal muscle *in vivo*, Hsieh PS; Balaban RS, *Magn Res Med* 1988; 7: 56
- section thickness and contiguity phantom for MR imaging, Gray JE; Felmlee JP, *Radiology* 1987; 164: 193
- sectorial loop-gap resonator for ^{31}P NMR of the adult human liver at 1.5 T with surface tissue suppression, Jesmanowicz A; Froncisz W; Grist TM; et al, *Magn Res Med* 1986; 3: 76
- selective Fourier transform localization, Brooker HR; Mares TH; Mao J, *Magn Res Med* 1987; 5: 417
- separation of lipid and water MR imaging signals by chopper averaging in the time domain, Szumowski J; Plewes DB, *Radiology* 1987; 165: 247
- separation of true fat and water images by correcting magnetic field inhomogeneity *in situ*, Yeung HN; Kormos DW, *Radiology* 1986; 159: 783
- signal-to-noise ratio and section thickness in two-dimensional versus three-dimensional Fourier transform MR imaging, Carlson J; Crooks LE; Ortendahl DA; Kramer DM; Kaufman L, *Radiology* 1988; 166: 266
- simple fiber optic monitor of cardiac and respiratory activity for biomedical magnetic resonance applications, Legendre JP; Misner R; Forester GV; et al, *Magn Res Med* 1986; 3: 933
- simple field map for shimming, Mackenzie IS; Robinson EM; Wells AN; et al, *Magn Res Med* 1987; 5: 262
- simple high-frequency antenna for NMR imaging, Sergiadis G, *Magn Res Med* 1988; 6: 247
- simple method for processing NMR spectra in which acquisition is delayed: applications to *in vivo* localized ^{31}P NMR spectra acquired using the DRESS technique, Allman T; Holland GA; Lenkinski RE; et al, *Magn Res Med* 1988; 7: 88
- simple skin marker for magnetic resonance imaging, Thomson JLG, *Br J Radiol* 1988; 61: 638
- simulation procedure to determine nuclear magnetic resonance imaging pulse sequence parameters for optimal tissue contrast, de Graaf CN; Bakker CJG, *J Nucl Med* 1986; 27: 281
- simultaneous image acquisition from the head (or body) coil and a surface coil, Hyde JS; Froncisz W; Jesmanowicz A; et al, *Magn Res Med* 1988; 6: 235
- simultaneous monitoring of coronary blood flow and ^{31}P NMR detected myocardial metabolites, Portman MA; James S; Heineman FW; et al, *Magn Res Med* 1988; 7: 243
- simultaneous reception from a whole-volume coil and a surface coil on a clinical MR system, Kneeland JB; Jesmanowicz A; Froncisz W; Hyde JS, *Radiology* 1988; 169: 255
- single acquisition localization technique, Karcmar GS; Matson GB; Weiner MW, *Magn Res Med* 1986; 3: 341
- single-acquisition chemical-shift imaging of a binary system with use of stimulated echoes, Yeung HN; Kormos DW; Sebok DA, *Radiology* 1988; 167: 537
- single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T, Unger EC; Cohen MS; Gatenby RA; et al, *JCAT* 1988; 12: 575
- site planning for nuclear magnetic resonance imaging, Andrews DE, *Cardiovasc Intervent Radiol* 1986; 8: 390
- slice-shape artifact changes with precession angle in rapid MR imaging, Young IR; Payne JA, *Magn Res Med* 1987; 5: 177
- snapshot head imaging at 0.5 T using the echo planar technique, Ordridge RJ; Coxon R; Howseman A; et al, *Magn Res Med* 1988; 8: 110
- solenoid surface coils in magnetic resonance imaging, Lufkin RB; Votruba J; Reicher M; et al, *AJR* 1986; 146: 409
- some observations of the design of rf coils for human internal use, Harman RR; Butson PC; Hall AS; et al, *Magn Res Med* 1988; 6: 49
- some results of high-flow-velocity NMR imaging using selection gradient, Cho ZH; Oh CH; Mun CW; et al, *Magn Res Med* 1986; 3: 857
- spatial presaturation: a method for suppressing flow artifacts and improving depiction of vascular anatomy in MR imaging, Felmlee JP; Ehman RL, *Radiology* 1987; 164: 559
- spinal MR imaging: multiplanar representation from a single high resolution 3D acquisition, Sherry CS; Harms SE; McCroskey WK, *JCAT* 1987; 11: 859
- spin-echo ^1H NMR detected response of ergothioneine to oxidative stress in the intact human erythrocyte, Reglinski J; Smith WE; Sturrock RD, *Magn Res Med* 1988; 6: 217
- spin echo technique selection: basic principles for choosing MRI pulse sequence timing intervals, Mitchell MR; Tarr RW; Conturo TE; Partain CL; James AE Jr, *Radiographics* 1986; 6: 245
- spine: device to facilitate surface coil MR imaging, Williamson MR; Angtuaco EJC; Jackson JC; Pruitt WB, *Radiology* 1988; 167: 273
- straight and narrow path to good head and spine MRI, Runge VM; Wood ML; Kaufman DM; Traill MR; Nelson KL, *Radiographics* 1988; 8: 507
- strip scan: method for faster MR imaging, Mezrich RS; Axel L; Dougherty L; Kressel HY, *Radiographics* 1986; 6: 833
- superficial- and deep-tissue temperature increases in anesthetized dogs during exposure to high specific absorption rates in a 1.5-T MR imager, Shuman WP; Haynor DR; Guy AW; Wesbey GE; Schaefer DJ; Moss AA, *Radiology* 1988; 167: 551
- suppression of water and other noncoupled spins by homonuclear polarization transfer in magnetic resonance imaging, Dumoulin CL, *Magn Res Med* 1986; 3: 90
- surface coil assembly with switchable field of view, Arakawa M; Krasner S; Fehn J; McCarten B; Kaufman L, *Radiology* 1987; 164: 872
- surface coil design for a vertical field MRI system and its application in imaging the breast, Smith MA; Pye DW, *Magn Res Imag* 1986; 4: 455
- surface coil for MR imaging of the skin, Hyde JS; Jesmanowicz A; Kneeland JB, *Magn Res Med* 1987; 5: 456
- surface coil holder for signa, Barany M; Mertz GT; Ivicic J; et al, *Magn Res Med* 1987; 5: 175
- surface coil proton MR imaging at 2 T, Roschmann P; Tschler R, *Radiology* 1986; 161: 251
- surface-coil T_1 images, Hardy CJ; Edelstein WA; Mueller OM, *Magn Res Med* 1986; 3: 935
- surface coil with variable geometry: a new tool for MR imaging of the spine, Requaert H; Offermann J; Kess H; Krause N; Weber H, *Radiology* 1987; 165: 574
- susceptibility induced MR line broadening: applications to brain iron mapping, Wismer GL; Buxton RB; Rosen BR; et al, *JCAT* 1988; 12: 259
- switched surface coil system for bilateral MR imaging, Hardy CJ; Katzberg RW; Frey RL; Szumowski J; Totterman S; Mueller OM, *Radiology* 1988; 167: 835
- SYS-FLASH, systemic saturation in FLASH MR imaging, Matthaei D; Haase A, *Magn Res Med* 1987; 4: 302
- T_1 , T_2 , and relative proton density at 0.35 T for spleen, liver, adipose tissue, and vertebral body: normal values, Nyman R; Ericsson A; Hemmingsson A; et al, *Magn Res Med* 1986; 3: 901
- table-top support plate for imaging the entire spine with surface-coil MR, Krol G; Sze G; Amater J, *AJNR* 1988; 9: 396
- technical aspects on magnetic resonance imaging of the spine at 1.5 tesla, Holts SL; Plewes DB; Simon JH; et al, *Acta Radiol* 1987; 28: 375
- technical considerations for the use of surface coils in MRI, Kulkarni MV; Patton JA; Price RR, *AJR* 1986; 147: 373
- technical factors in MR image quality, Koehler PR; Daniels DL; Williams AL; et al, *Neuroradiol* 1986; 28: 74
- technique for image salvage in MR, Lund G; Morin R, *AJR* 1986; 147: 1052
- technique for velocity imaging using magnetic resonance imaging, Ridgway JP; Smith MA, *Br J Radiol* 1986; 59: 603
- techniques of non-orthogonal magnetic resonance imaging and its clinical application, Kulkarni MV; Price RR; Mehta SD; et al, *Magn Res Imag* 1987; 5: 39
- techniques, pitfalls and artifacts in magnetic resonance imaging, Patton JA; Kulkarni MV; Craig JK; Wolfe OH; Price RR; Partain CL; James AE Jr, *Radiographics* 1987; 7: 505
- temporomandibular joint: multislab, three-dimensional Fourier transformation MR imaging, Wilk RM; Harms SE, *Radiology* 1988; 167: 861
- three-dimensional flash MR imaging of thorax and abdomen without triggering or gating, Matthaei D; Frahm J; Haase A; et al, *Magn Res Imag* 1986; 4: 381
- three-dimensional imaging on a CT or MR scanner, Herman GT, *JCAT* 1988; 12: 450
- three-dimensional magnetic resonance microscopy of the developing chick embryo, Bone SN; Johnson GA; Thompson MB, *Invest Radiol* 1986; 21: 782
- three-dimensional MR imaging of the knee using surface coils, Harms SE; Muschler G, *JCAT* 1986; 10: 773
- thyroid gland: MR imaging, Noma S; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Konishi J; Kasagi K; Iida Y; Itoh H; Torizuka K, *Radiology* 1987; 164: 495
- time-of-flight method of measuring flow velocity by magnetic resonance imaging, Axel L; Shimakawa A; MacFall JR, *Magn Res Imag* 1986; 4: 199
- time-resolved magnetic resonance angiography, Dumoulin CL; Souza SP; Walker MF; et al, *Magn Res Med* 1988; 6: 275
- tracheobronchial tree and pulmonary arteries: MR imaging using electronic axial rotation, Ross JS; O'Donovan PB; Paushter DM, *Radiology* 1986; 160: 839
- transformer-coupled double-resonant probe for NMR imaging and spectroscopy, Fitzsimmons JR; Brooker HR; Beck B, *Magn Res Med* 1987; 5: 471
- transmission line matching of surface coils, Martin JF; Daly CP, *Magn Res Med* 1986; 3: 346

- transverse relaxation of saline and plasma using Mn(II), HSA-EDTA-Mn, and HSA-EDTA-Gd: application to erythrocyte water exchange, Caines GH; Morgan CF; Long RC Jr; et al, *Magn Res Med* 1987; 5: 269
- tumor imaging with anti-CEA antibody labeled ^{99}Tc emulsion, Shimizu M; Kobayashi T; Morimoto H; et al, *Magn Res Med* 1987; 5: 290
- two-second MR images: comparison with spin-echo images in 29 patients, Utz JA; Herfkens RJ; Johnson CD; et al, *AJR* 1987; 148: 629
- UHF probe for NMR micro-imaging experiments, Fan M; Gonord P; Kan S; et al, *Magn Res Med* 1987; 4: 591
- use of shielding to prevent folding MR imaging, Van Hecke PE; Marchal GJ; Baert AL, *Radiology* 1988; 167: 557
- use of standard gradients with compound oblique angulation for optimal quantitative MR flow imaging in oblique vessels, Pettigrew RJ; Dannels W, *AJR* 1987; 148: 405
- value of paraxial slices in MR-imaging of spinal cord disease, Gawehn J; Schroth G; Thron A, *Neuroradiol* 1986; 28: 347
- varying gradient angles and offsets to optimize imaging planes in MR, Slone RM; Buck LL; Fitzsimmons JR, *Radiology* 1986; 158: 531
- ventilator for magnetic resonance imaging, Hedlund LW; Deitz J; Nassar R; et al, *Invest Radiol* 1986; 21: 183
- very rapid lactate measurement in ischemic perfused hearts using ^1H MRS continuous negative echo acquisition during steady-state frequency selective excitation, Keller AM; Sorce DJ; Sciacca RR; et al, *Magn Res Med* 1988; 7: 65
- VI. preparation of agarose gels as reference substances for NMR relaxation time measurement, Walker P; Lerski RA; Mathur-De Vrè R; et al, *Magn Res Med* 1988; 6: 215
- visualization of moving fluid: quantitative analysis of blood flow velocity using MR imaging, Shimizu K; Matsuda T; Sakurai T; Fujita A; Ohara H; Okamura S; Hashimoto S; Mano H; Kawai C; Kiri M, *Radiology* 1986; 159: 195
- V. multi-center trial with protocols and prototype test objects for the assessment of MRI equipment, Lerski RA; McRobbie DW; Straughan K; et al, *Magn Res Med* 1988; 6: 201
- volume-localized, two-dimensional NMR method for the determination of lactate using zero-quantum coherence created in a stimulated echo pulse sequence, Sotak CH, *Magn Res Med* 1988; 7: 364
- water content and water structure in CT and MR signal changes: possible influence in detection of early stroke, Unger E; Littlefield J; Gado M, *AJNR* 1988; 9: 687
- whole-body MR imaging and spectroscopy at 4 T: where do we go from here?, Ortendahl DA, *Radiology* 1988; 169: 864
- whole-body MR imaging and spectroscopy with a 4-T system, Barliss H; Fischer H; Hentschel D; Ladebeck R; Vetter J, *Radiology* 1988; 169: 811
- Magnetic resonance (MR), tissue characterization**
- 0.1-T human fat/water separation by SIDAC, Manabe A; Miyazaki T; Toyoshima H, *Magn Res Med* 1987; 5: 492
- adrenal gland: MR imaging, Chang A; Glazer HS; Lee JKT; Ling D; Heiken JP, *Radiology* 1987; 163: 123
- adrenal gland: MR imaging, McGahan JP, *Radiology* 1988; 166: 284
- adrenal gland: MR imaging: reply, Glazer HS; Lee JKT, *Radiology* 1988; 166: 285
- adrenal masses: characterization with T1-weighted MR imaging, Cheezmar JL; Robbins SM; Nelson RC; Steinberg HV; Torres WE; Bernardino ME, *Radiology* 1988; 166: 357
- adrenal tissue characterization using MR imaging, Glazer GM; Woolsey EJ; Borrello J; Francis IR; Aisen AM; Bookstein FL; Amendola MA; Gross MD; Bree RL; Martel W, *Radiology* 1986; 158: 73
- age-dependent variation of T1 and T2 relaxation times of adenocarcinoma in mice, Kovalikova Z; Hoehn-Beslage MH; Gersonde K; Porschen R; Mittermayer C; Franke R-P, *Radiology* 1987; 164: 543
- biophysical basis of tissue contrast in extracranial MR imaging, Mitchell DG; Burk DL Jr; Vinitits S; et al, *AJR* 1987; 149: 831
- clinical experience with rapid 2DFT SSFP imaging at low field strength, Jolesz FA; Patz S, *Magn Res Med* 1988; 6: 397
- differentiation of human tumors from nonmalignant tissue by natural-abundance ^{13}C NMR spectroscopy, Halliday KR; Fenoglio-Preiser C; Sillerud LO, *Magn Res Med* 1988; 7: 384
- early-phase myocardial infarction: evaluation by MR imaging, Tscholakoff D; Higgins CB; McNamara MT; Derugin N, *Radiology* 1986; 159: 667
- effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JL; Weinstein L; Clarke G, *Radiology* 1988; 168: 81
- experimental radiation injury: combined MR imaging and spectroscopy, Grossman RI; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle TJ; McGrath JT; Curran WJ; Shetty A; Joseph PM, *Radiology* 1988; 169: 305
- fat suppression by section-select gradient reversal on spin-echo MR imaging: work in progress, Gomori JM; Holland GA; Grossman RI; Gefter WB; Lenkinski RE, *Radiology* 1988; 168: 493
- focal fat deposition in axial bone marrow: MR characteristics, Hajek PC; Baker LL; Goobar JE; Sartoris DJ; Hesselink JR; Haghighi P; Resnick D, *Radiology* 1987; 162: 245
- Gd-DTPA contrast enhancement and tissue differentiation in MR imaging of experimental breast carcinoma, Revel D; Brasch RC; Paajanen H; Rosenau W; Grodd W; Engelstad B; Fox P; Winkelhake J, *Radiology* 1986; 158: 319
- hematopoietic and fatty bone marrow distribution in the normal and ischemic hip: new observations with 1.5-T MR imaging, Mitchell DG; Rao VM; Dalinka MK; Spritzer CE; Axel L; Gefter WB; Kricun ME; Steinberg ME; Kressel HY, *Radiology* 1986; 161: 199
- hepatocellular carcinoma and cavernous hemangioma: differentiation with MR imaging, efficacy of T2 values at 0.35 and 1.5 T, Ohtomo K; Itai Y; Yoshikawa K; Kokubo T; Iio M, *Radiology* 1988; 168: 621
- increased MR signal intensity in skeletal muscle adjacent to malignant tumors: pathologic correlation and clinical relevance, Beltran J; Simon DC; Katz W; Weis LD, *Radiology* 1987; 162: 251
- influence of physiologic motion on the appearance of tissue in MR, Ehman RL; McNamara MT; Brasch RC; Felmlee JP; Gray JE; Higgins CB, *Radiology* 1986; 159: 777
- in vivo H-1 spectroscopy in humans at 1.5 T, Bárány M; Langer BG; Glick RP; Venkatasubramanian PN; Wilbur AC; Spigos DG, *Radiology* 1988; 167: 839
- ligamentum flavum: appearance on sagittal and coronal MR images, Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Haughton VM, *Radiology* 1988; 168: 469
- liver metastases: detection by phase-contrast MR imaging, Stark DD; Wittenberg J; Middleton MS; Ferrucci JT Jr, *Radiology* 1986; 158: 327
- method for the clinical measurement of relaxation times in magnetic resonance imaging, Hickey DS; Checkley D; Aspdren RM; et al, *Br J Radiol* 1986; 59: 565
- MR imaging of laser-tissue interactions, Jolesz FA; Bleier AR; Jakab P; Ruenzel PW; Huttli K; Jako GJ, *Radiology* 1988; 168: 249
- MR imaging: possibility of tissue characterization of brain tumors using T1 and T2 values, Komiyama M; Yagura H; Baba M; et al, *AJNR* 1987; 8: 65
- mucocutaneous and peripheral soft-tissue hemangiomas: MR imaging, Kaplan PA; Williams SM, *Radiology* 1987; 163: 163
- multispectral analysis of MR images of the breast, Gohagan JK; Spitznagel EL; Murphy WA; Vannier MW; Dixon WT; Gersell DJ; Rosnick SL; Totty WG; Destouet JM; Rickman DL; Spraggins TA; Butterfield RL, *Radiology* 1987; 163: 703
- musculoskeletal tumors: T1 and T2 relaxation times, Pettersson H; Slone RM; Spanier S; Gillespy T III; Fitzsimmons JR; Scott KN, *Radiology* 1988; 167: 783
- myelinated and nonmyelinated nerves: comparison of proton MR properties, Jolesz FA; Polak JF; Adams DF; Ruenzel PW, *Radiology* 1987; 164: 89
- proton magnetic resonance relaxation times T1 and T2 related to postmortem interval: investigation on porcine brain tissue, Gyroffly-Wagner Z; Englund E; Larsson EM; et al, *Acta Radiol* 1986; 27: 115
- pulse sequence extrapolation with MR image synthesis, Bobman SA; Riederer SJ; Lee JN; Tascian T; Farzaneh F; Wang HZ, *Radiology* 1986; 159: 253
- quantitative tissue characterization in pancreatic disease using magnetic resonance imaging, Jenkins JPR; Braganza JM; Hickey DS; et al, *Br J Radiol* 1987; 60: 333
- recurrent thyroid carcinoma: characteristics on MR images, Auffermann W; Clark OH; Thurnher S; Galante M; Higgins CB, *Radiology* 1988; 168: 753
- relationship between MR relaxation time and muscle fiber composition, Kuno S-y; Katsuta S; Inouye T; Anno I; Matsumoto K; Akasada M, *Radiology* 1988; 169: 567
- research method for MRI tissue characterization studies using small coils for excised organs, Mano I; Yoshida H; Goshima H; et al, *Magn Res Med* 1988; 6: 41
- separation of diffusion and perfusion in intravoxel incoherent motion MR imaging, Le Bihan D; Breton E; Lallemand D; Aubin M-L; Vignaud J; Laval-Jeantet M, *Radiology* 1988; 168: 497
- short-T1 inversion-recovery pulse sequence: analysis and initial experience in cancer imaging, Dwyer AJ; Frank JA; Sank VJ; Reing JW; Hickey AM; Doppman JL, *Radiology* 1988; 168: 827
- subacute intracranial hemorrhage: contribution of spin density to appearance on spin-echo MR images, Hackney DB; Atlas SW; Grossman RI; Gomori JM; Goldberg HI; Zimmerman RA; Bilaniuk LT, *Radiology* 1987; 165: 199
- T2 estimates in healthy and diseased brain tissue: comparison using various MR pulse sequences, Darwin RH; Drayer BP; Riederer SJ; Wang HZ; MacFall JR, *Radiology* 1986; 160: 375
- thyroid tissue characterization by proton magnetic resonance relaxation time determination, Tennvall J; Olsson M; Moller T; et al, *Acta Oncol* 1987; 26: 27
- tissue characterization by MRI: a multidisciplinary and multi-centre challenge today, Podo F, *Magn Res Med* 1988; 6: 173
- tissue characterization of benign brain tumors: use of NMR-tissue parameters, Just M; Higer HP; Schwarz M; et al, *Magn Res Med* 1988; 6: 463
- tissue characterization with T1, T2, and proton density values: results in 160 patients with brain tumors, Just M; Thelen M, *Radiology* 1988; 169: 779
- transient osteoporosis: transient bone marrow edema?, Wilson AJ; Murphy WA; Hardy DC; Totty WG, *Radiology* 1988; 167: 757
- tumor recurrence versus fibrosis in the female pelvis: differentiation with MR imaging at 1.5 T, Ebner F; Kressel HY; Mintz MC; Carlson JA; Cohen EK; Schiebler M; Gefter WB; Axel L, *Radiology* 1988; 166: 333
- Magnetic resonance (MR), treatment planning**
- integration of magnetic resonance imaging into radiation therapy treatment planning: I. technical considerations, Fraass BA; McShan DL; Diaz RF; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1897
- Magnetic resonance (MR), utilization**
- changes in CT utilization between 1981 and 1984: implications for Medicare payment for MR imaging under the prospective payment system, Steinberg EP; Anderson GF; Steinwachs DM, *Radiology* 1987; 165: 279

- determinants of acquisition of MR imaging units in an era of prospective payment, Steinberg EP; Stason WB; diMonda R; Schroeder SA, *Radiology* 1988; 168: 265
- economic and utilization analysis of MR imaging units in the United States in 1987, Evens RG; Evens RG Jr, *Radiology* 1988; 166: 27
- use of MR imaging in an outpatient MR center, Peddecord KM; Janon EA; Robins JM, *AJR* 1987; 148: 809
- Magnetic resonance (MR) guidance**
- external magnetic guidance of endovascular catheters with a superconducting magnet: preliminary trials: experimental studies in dogs and prospects of application, Gaston A; Marsault C; Lacaze A; et al, *J Neuroradiol* 1988; 15: 137
- localization grid for MR-guided biopsy, Hajek PC; Gylis-Morin VM; Stavas J; vanSonnenberg E, *Radiology* 1987; 163: 825
- MR-directed brain biopsy: feasibility study, Mamourian AC; Rhodes RE; Duda JJ; et al, *AJNR* 1988; 9: 510
- new needle for MR-guided aspiration cytology of the head and neck, Lufkin RB; Teresi LM; Hanafey WN, *AJR* 1987; 149: 380
- technique for MR-guided needle placement, Lufkin RB; Teresi L; Chiu L; et al, *AJR* 1988; 151: 193
- wire-sheath system for MR-guided biopsy and drainage: laboratory studies and experience in 10 patients, vanSonnenberg E; Hajek P; Gylis-Morin V; et al, *AJR* 1988; 151: 815
- Magnification**
- biplane stereoscopic magnification cerebral angiography, Kleeffeld J; O'Reilly GV; Barsotti JB; Brooks ML, *Radiology* 1987; 165: 576
- stomach and duodenum: radiographic magnification using computed radiography (CR), Nakano Y; Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Adachi H; Itoh H; Torizuka K, *Radiology* 1986; 160: 383
- Malabsorption**
- jejunal fold separation in adult celiac disease: relevance of enteroclysis, Herlinger H; Maglinte DDT, *Radiology* 1986; 158: 605
- sonographic demonstration of malabsorption in neonates, Avni EF; Van Gansbeke D; Rodesch F; et al, *J Ultrasound Med* 1986; 5: 85
- Malakoplakia**
- computed tomography of bladder malakoplakia, Bidwell JK; Dunne MG, *JCAT* 1987; 11: 909
- malakoplakia of the maxillary sinus, (ab), Nistal M; Regadera J; Razquin S; et al, *Radiology* 1986; 158: 861
- radiological, ultrasound and computed tomographic findings in a case of renal malakoplakia, Puvaneswary M; Teong CC, *Australas Radiol* 1987; 31: 192
- scintigraphic evaluation of parenchymal malakoplakia in a transplanted kidney, Melloul MM; Shmueli D; Mechlis-Frish S; et al, *Clin Nucl Med* 1988; 13: 525
- Mammography**
- See Breast radiography
- Mandible**
- See Jaws
- Manganese**
- acute myocardial ischemia: MR imaging with Mn-TP, Pflugfelder PW; Wendland MF; Holt WW; Quay SC; Worah D; Derugin N; Higgins CB, *Radiology* 1988; 167: 129
- anomalous relaxivity of Mn²⁺ (TPPS₂), Koenig SH; Brown RD III; Spiller M, *Magn Res Med* 1987; 4: 252
- Marfan syndrome**
- acetabular protrusion in the Marfan syndrome, Kuhlman JE; Scott WW Jr; Fishman EK; Peyeritz RE; Siegelman SS, *Radiology* 1987; 164: 415
- ductus arteriosus aneurysm in Marfan syndrome, Müller NL; Mayo J; Culham JAG; et al, *J Canad Assoc Radiol* 1986; 37: 195
- echocardiographic follow-up in Marfan's syndrome: mitral, tricuspid, and aortic valve prolapse with calcification of patent foramen ovale, Petitot JP; Chaix AF; Barraine R, *JCU* 1986; 14: 707
- evaluation of the aorta in the Marfan syndrome by magnetic resonance imaging, (ab), Boxer RA; LaCorte MA; Singh S, *Radiology* 1987; 162: 886
- intravenous digital subtraction aortography in the preoperative and postoperative evaluation of Marfan's aortic disease, (ab), Detrano R; Moodie DS; Gill CC; et al, *Radiology* 1986; 158: 573
- Marfan syndrome: evaluation with MR imaging versus CT, Soulen RL; Fishman EK; Peyeritz RE; Zerhouni EA; Pessar ML, *Radiology* 1987; 165: 697
- MR imaging of the thoracic aorta in Marfan patients, Kersting-Sommerhoff BA; Sechtem UP; Schiller NB; et al, *JCAT* 1987; 11: 633
- pulmonary emphysema in a neonate with Marfan syndrome, Day DL; Burke BA, *Pediatr Radiol* 1986; 16: 518
- pulmonary hyperinflation and emphysema in infants with the Marfan syndrome, Dominguez R; Weisgrau RA; Santamaria M, *Pediatr Radiol* 1987; 17: 365
- Masticator space**
- separation of the masticator space from the parapharyngeal space, Curtin HD, *Radiology* 1987; 163: 195
- Mastocytosis**
- abdominal lymphadenopathy in benign diseases: CT detection, Deutch SJ; Sandler MA; Alpern MB, *Radiology* 1987; 163: 335
- case report 369, Rodenberg JC; Maegaard KK; Svanholm H, *Skeletal Radiol* 1986; 15: 334
- case report 412, Meister HP; Rabben U, *Skeletal Radiol* 1987; 16: 158
- mastocytosis: scintigraphic findings with bony involvement, Malley MJ; Holmes RA, *Clin Nucl Med* 1988; 13: 673
- Mastoid, CT**
- computerized tomographic evaluation of the middle ear and mastoid for posttraumatic hearing loss, (ab), Swartz JD; Swartz NG; Kotsvik H; et al, *Radiology* 1986; 159: 287
- Mastoid, cysts**
- large cholesterol granuloma cysts in the mastoid: clinical and histopathologic findings, (ab), Palva T; Lehto V-P; Johnsson L-G; et al, *Radiology* 1986; 161: 862
- Mastoid, inflammation**
- See Mastoiditis
- Mastoiditis**
- chronic otomastoiditis: conceptual understanding of CT findings, Mafee MF; Alimi K; Kahen HL; Valvassori GE; Capek V, *Radiology* 1986; 160: 193
- temporal bone region: high-resolution MR imaging using surface coils, Koenig H; Lenz M; Sauter R, *Radiology* 1986; 159: 191
- Maxilla**
- See Jaws
- Measles**
- symmetrical low density areas in bilateral thalami in an infant with measles encephalitis, Ochi J; Okuno T; Uenoyama Y; et al, *Comput Radiol* 1986; 10: 137
- Meckel diverticulum**
- See Intestines, diverticula
- Meconium**
- antenatal diagnosis of meconium peritonitis with inguinal hernias by ultrasonography: therapeutic implications, Yankes JR; Bowie JD; Effmann EL; et al, *J Ultrasound Med* 1988; 7: 221
- disappearance of calcification in meconium peritonitis in a Black African baby, Shija JK, *Pediatr Radiol* 1987; 17: 173
- early diagnosis and intrauterine therapy of meconium plug syndrome in the fetus: risks and benefits, Samuel N; Dicker D; Landman J; et al, *J Ultrasound Med* 1986; 5: 425
- importance of mesenteric vascular insufficiency in meconium peritonitis, (ab), Tibboel D; Gaillard JL; Molenaar JC, *Radiology* 1986; 161: 858
- meconium periorchitis: a clinicopathologic study of four cases with a review of the literature, (ab), Dehner LP; Scott D; Stocker JT, *Radiology* 1987; 162: 591
- meconium peritonitis masquerading as fetal hydrops, Dillard JP; Edwards DK; Leopold GR, *J Ultrasound Med* 1987; 6: 49
- meconium peritonitis: prenatal sonographic findings and their clinical significance, Foster MA; Nyberg DA; Mahony BS; Mack LA; Marks WM; Raabe RD, *Radiology* 1987; 165: 661
- sonographic diagnosis of meconium ileus in utero, Goldstein RB; Filly RA; Callen PW, *J Ultrasound Med* 1987; 6: 663
- sonographic findings of generalized meconium peritonitis presenting as neonatal ascites, Wu C-C, *JCU* 1988; 16: 48
- third-trimester fetal sonography: meconium simulating a presacral mass, Moreland SI III; Cohen MI; Leopold GR; et al, *AJR* 1988; 150: 379
- Mediastinitis**
- computed tomography findings in tuberculous mediastinitis, Mendelson DS; Cohen BA; Krellenstein DJ; et al, *CT* 1987; 11: 123
- CT evaluation of mediastinal infections, Carrol CL; Jeffrey RB Jr; Federle MP; et al, *JCAT* 1987; 11: 449
- mediastinitis after cardiac valve operations: impact upon survival, (ab), Chung EH; Craver JM; Jones EL; et al, *Radiology* 1986; 160: 287
- role of computed tomography in acute and subacute mediastinitis, Breatnach ES; Nath PH; Delany DJ, *Clin Radiol* 1986; 37: 139
- Mediastinum**
- mediastinal hemangiomas, (ab), Cohen AJ; Shachnig RJ; Hochholzer L, *Radiology* 1987; 165: 587
- mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging, Glazer GM; Orringer MB; Chenevert JL; Borrello JA; Penner MW; Quint LE; Li KC; Aisen AM, *Radiology* 1988; 168: 429
- mediastinal nodes in bronchogenic carcinoma: comparison between CT and mediastinoscopy, Staples CA; Müller NL; Miller RR; Evans GC; Nelems B, *Radiology* 1988; 167: 367
- number and size of normal mediastinal lymph nodes: a postmortem study, Kiyono K; Sone S; Sakai F; et al, *AJR* 1988; 150: 771
- surgical treatment of idiopathic mediastinal fibrosis: report of five cases, (ab), Mitchell IM; Saunders NR; Maher O; et al, *Radiology* 1986; 161: 283
- Mediastinum, abnormalities**
- paraspinal lipomatosis: benign mass, Glickstein MF; Miller WT; Dalinka MK; Lally JF, *Radiology* 1987; 163: 79
- Mediastinum, abscess**
- transesophageal drainage of mediastinal abscesses, Meranze SG; LeVeen RF; Burke DR; Cope C; McLean GK, *Radiology* 1987; 165: 395
- Mediastinum, anatomy**
- mediastinal anatomy: emphasis on conventional images with anatomic and computed tomographic correlations, Proto AV, *J Thorac Imag* 1987; 2: 1
- Mediastinum, biopsy**
- fine needle aspiration biopsy of mediastinal and peripheral pulmonary masses guided by real-time sonography, (ab), Pedersen OM; Aasen TB; Gulsvik A; et al, *Radiology* 1986; 160: 856
- fine-needle aspiration biopsy of the mediastinum, (ab), Linder J; Olsen GA; Johnston WW, *Radiology* 1987; 164: 291
- percutaneous transthoracic needle biopsy, Westcott JL, *Radiology* 1988; 169: 593
- thoracic duct cyst: diagnosis with needle aspiration, Moretini LB; Allen TE, *Radiology* 1986; 161: 437
- transthoracic needle biopsy of the hilum and mediastinum, Westcott JL, *J Thorac Imag* 1987; 2: 41
- Mediastinum, CT**
- benign hemangioendothelioma involving posterior mediastinum: CT findings, Tarr RW; Page DL; Glick AG; et al, *JCAT* 1986; 10: 865
- bronchogenic carcinoma metastatic to normal-sized lymph nodes: frequency and significance, Gross BH; Glazer GM; Orringer MB; Spitznagel DL; Flint A, *Radiology* 1988; 166: 71
- calcified lymph node metastases in bronchioloalveolar carcinoma, Mallens WMC; Nijhuis-Heddes JMA; Bakker W, *Radiology* 1986; 161: 103
- case of the month: changing mediastinum, Reed DH; Morgan S, Jr, *J Radiol* 1988; 61: 695
- cavitation of a mediastinal mass following chemotherapy for histiocytosis-X: CT demonstration, Eftekhar F; Shirkhoda A; Cangir A, *JCAT* 1986; 10: 130

- chest radiography and computed tomography in the evaluation of mediastinal adenopathy in lymphoma. Salonen O; Kivisaari L; Standertskjöld-Nordenstam C-G; et al. *Acta Radiol* 1987; 28: 747
- cine CT of the mediastinum in pediatric patients. Frey EE; Sato Y; Smith WL; Franken EA Jr. *Radiology* 1987; 165: 19
- comparative merits of conventional, computed tomographic, and magnetic resonance imaging in assessing mediastinal involvement in surgically confirmed lung carcinoma. (ab). Martini N; Heelan RT; Westcott J; et al. *Radiology* 1986; 160: 283
- computed tomography evaluation of pathologic processes in the potential spaces of the mediastinum. Shin MS; McElvein RB; Ho K-J. *CT* 1988; 12: 230
- computed tomography findings in tuberculous mediastinitis. Mendelson DS; Cohen BA; Krellenstein DJ; et al. *CT* 1987; 11: 123
- computed tomography in primary non-seminomatous germ cell tumors of the mediastinum. Blomlie V; Lien HH; Fosså SD; et al. *Acta Radiol* 1988; 29: 289
- computed tomography in the diagnosis and treatment of mediastinal abnormalities in children. Ivancev K; Halldorsdottir A; Layrin S; et al. *Acta Radiol* 1988; 29: 115
- computed tomography of aggressive fibromatosis in the posterior mediastinum. Black WC; Armstrong P; Daniel TM; et al. *JCAT* 1987; 11: 153
- computed tomography of anterior mediastinal tumors: differentiation between thymoma and germ cell tumor. Mori K; Eguchi K; Moriyama H; et al. *Acta Radiol* 1987; 28: 395
- computed tomography of benign mature teratomas of the mediastinum. Brown LR; Muhm JR; Aughenbaugh GL; et al. *J Thorac Imag* 1987; 2: 66
- computed tomography of fatty replacement in extramedullary hematopoiesis. Yamato M; Fuhrman CR. *JCAT* 1987; 11: 541
- computed tomography of low periesophageal focal fat collections. Williamson BRJ; Paling MR. *CT* 1988; 12: 223
- computed tomography of mediastinal lymph nodes in nonsmall cell lung cancer: a new approach based on the lymphatic pathway of tumor spread. Buy J-N; Ghossain MA; Poirson F; et al. *JCAT* 1988; 12: 545
- CT characteristics of expansions in the middle and posterior mediastinum. Salonen O. *Comput Radiol* 1987; 11: 95
- CT demonstration of isolated mediastinal goiter. Sussman SK; Silverman PM; Donnal JF. *JCAT* 1986; 10: 863
- CT evaluation of enhancing mediastinal masses. Spizarny DL; Rebner M; Gross BH. *JCAT* 1987; 11: 990
- CT evaluation of mediastinal infections. Carrol CL; Jeffrey RB Jr; Federic MP; et al. *JCAT* 1987; 11: 449
- CT evaluation of mediastinal lymph nodes in lung cancer: influence of the lobar site of the primary neoplasm. Platt JF; Glazer GM; Gross BH; et al. *AJR* 1987; 149: 683
- CT evaluation of mediastinal masses. Rebner M; Gross BH; Robertson JM; et al. *Comput Radiol* 1987; 11: 103
- CT evaluation of posterior mediastinal teratoma. Dobranowski J; Martin LFW; Bennett WF. *JCAT* 1987; 11: 156
- CT findings in mediastinal extravasation of hyperalimentation fluid. Cobb RJ; Mendelson DS. *JCAT* 1987; 11: 158
- CT findings in tuberculous mediastinitis. Barnett SM. *JCAT* 1986; 10: 165
- epipericardial fat pad: CT findings. Paling MR; Williamson BRJ. *Radiology* 1987; 165: 335
- Hodgkin disease: CT of the thymus. Heron CW; Husband JE; Williams MP. *Radiology* 1988; 167: 647
- mediastinal anatomy: emphasis on conventional images with anatomic and computed tomographic correlations. Proto AV. *J Thorac Imag* 1987; 2: 1
- mediastinal imaging in myasthenia gravis: correlation of chest radiography, CT, MR, and surgical findings. Batra P; Herrmann C Jr; Mulder D. *AJR* 1987; 148: 515
- mediastinal lesions in children: comparison of CT and MR. Siegel MJ; Nadel SN; Glazer HS; Sagel SS. *Radiology* 1986; 160: 241
- mediastinal lymph node detection and sizing at CT and autopsy. Quint LE; Glazer GM; Orringer MB; et al. *AJR* 1986; 147: 469
- mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT. Poon PY; Bronskill MJ; Henkelman RM; Rideout DF; Shulman HS; Weisbrod GL; Steinhart M; Dunlap HJ; Ginsberg RJ; Feld R; Sutcliffe SB; Williams JJ. *Radiology* 1987; 162: 651
- mediastinal masses: system for diagnosis based on computed tomography. Feigin DS; Padua EM. *CT* 1986; 10: 11
- mediastinal tuberculous lymphadenitis: CT manifestations. Im J-G; Song KS; Kang HS; Park JH; Yeon KM; Han MC; Kim C-W. *Radiology* 1987; 164: 115
- mediastinal tumors: evaluation with suprasternal sonography. Werneck K; Peters PE; Galanski M. *Radiology* 1986; 159: 405
- multiplanar study of the mediastinum with electronically reconstructed computed tomography images. Procacci C; Andreis IAB; Caudana R; et al. *J Thorac Imag* 1987; 2: 49
- narrow superior mediastinum and pseudomasses: CT features. Jardin M; Lemaitre L; Remy J. *JCAT* 1986; 10: 603
- plexiform neurofibromatosis of the mediastinum: CT appearance. Bourgoin PM; Shepard JO; Moore EH; et al. *AJR* 1988; 151: 461
- primary lung cancer staging: prospective comparative study of MR imaging with CT. Musset D; Grenier P; Carrette MF; Fria G; Hauuy MP; Desbleds MT; Girard P; Bigot JM; Lallemand D. *Radiology* 1986; 160: 607
- role of computed tomography in acute and subacute mediastinitis. Bretnach ES; Nath PH; Delany DJ. *Clin Radiol* 1986; 37: 139
- variable nature of the mediastinal contour lines: CT/chest radiography correlation. Paling MR; Pope TL Jr. *CT* 1987; 11: 254
- ## Mediastinum, cysts
- bronchogenic cyst with high CT number: analysis of contents. Nakata H; Sato Y; Nakayama T; et al. *JCAT* 1986; 10: 360
- diagnosis and treatment of a bronchogenic cyst using transbronchial needle aspiration. (ab). Schwartz AR; Fishman EK; Wang KP. *Radiology* 1986; 161: 573
- foregut cysts of the mediastinum: results in 20 consecutive surgically treated cases. (ab). Sirivella S; Ford WB; Zikria EA; et al. *Radiology* 1986; 160: 283
- imaging of foregut duplication cysts. Fitch SJ; Tonkin ILD; Tonkin AK. *Radiographics* 1986; 6: 189
- mediastinal cysts: diagnosis by CT and needle aspiration. Kuhlman JE; Fishman EK; Wang KP; et al. *AJR* 1988; 150: 75
- neurenteric cyst diagnosed by technetium-99m pertechnetate sequential scintigraphy. Kropp J; Emons D; Winkler C. *J Nucl Med* 1987; 28: 1218
- pancreatic pseudocyst of the mediastinum: evaluation by CT. Maier W; Roscher R; Malferrheiner P; et al. *Eur J Radiol* 1986; 6: 70
- percutaneous drainage of an infected mediastinal pseudocyst. Semelka RC; Greenberg HM. *J Canad Assoc Radiol* 1987; 38: 54
- percutaneous drainage of mediastinal pseudocysts. Wittich GR; Karmel F; Schurawitzki H; Jantsch H. *Radiology* 1988; 167: 51
- "solid" mediastinal bronchogenic cyst: mineralogic analysis. Yernault J-C; Kuhn G; Dumortier P; et al. *AJR* 1986; 146: 73
- spontaneous resolution of mediastinal cysts. Martin KW; Siegel MJ; Chesna E. *AJR* 1988; 150: 1131
- ## Mediastinum, fibrosis
- CT of fibrous tissues and tumors with sonographic correlation. Rubenstein WA; Gray G; Auh YH; et al. *AJR* 1986; 147: 1067
- ## Mediastinum, hemorrhage
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture. Panicek DM; Ewing DK; Markarian B; Heitzman ER. *Radiology* 1987; 162: 165
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture. Milne ENC; Cylrak D. *Radiology* 1987; 164: 286
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply. Panicek DM; Heitzman ER; Ewing DK; Markarian B. *Radiology* 1987; 164: 286
- mediastinal hemorrhage after treatment of thyrotoxicosis using radiolabeled Piers DA; Janssen S; Oosten HR; et al. *Clin Nucl Med* 1988; 13: 574
- ## Mediastinum, inflammation
- See Mediastinitis
- ## Mediastinum, injuries
- mediastinal trauma and other acute mediastinal conditions. Tocino IM; Miller MH. *J Thorac Imag* 1987; 2: 79
- ## Mediastinum, interventional procedure
- percutaneous drainage of mediastinal pseudocysts. Wittich GR; Karmel F; Schurawitzki H; Jantsch H. *Radiology* 1988; 167: 51
- transesophageal drainage of mediastinal abscesses. Meranze SG; LeVein RF; Burke DR; Cope C; McLean GK. *Radiology* 1987; 165: 395
- ## Mediastinum, MR studies
- comparative merits of conventional, computed tomographic, and magnetic resonance imaging in assessing mediastinal involvement in surgically confirmed lung carcinoma. (ab). Martini N; Heelan RT; Westcott J; et al. *Radiology* 1986; 160: 283
- gated acquisition of MR images of the thorax: advantages for the study of the hila and mediastinum. Mark AS; Winkler ML; Peltzer M; et al. *Magn Res Imag* 1987; 5: 57
- magnetic resonance imaging for assessment of treatment effects in mediastinal Hodgkin's disease. Nymen R; Rehn S; Glimelius B; et al. *Acta Radiol* 1987; 28: 145
- magnetic resonance imaging of the hila and mediastinum. Webb WR. *Cardiovasc Intervent Radiol* 1986; 8: 306
- magnetic resonance imaging of the mediastinum. Poon PY; Bronskill MJ; Henkelman RM; et al. *J Canad Assoc Radiol* 1986; 37: 173
- mediastinal imaging in myasthenia gravis: correlation of chest radiography, CT, MR, and surgical findings. Batra P; Herrmann C Jr; Mulder D. *AJR* 1987; 148: 515
- mediastinal lesions in children: comparison of CT and MR. Siegel MJ; Nadel SN; Glazer HS; Sagel SS. *Radiology* 1986; 160: 241
- mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT. Poon PY; Bronskill MJ; Henkelman RM; Rideout DF; Shulman HS; Weisbrod GL; Steinhart M; Dunlap HJ; Ginsberg RJ; Feld R; Sutcliffe SB; Williams JJ. *Radiology* 1987; 162: 651
- mediastinal lymph nodes: relaxation time/pathologic correlation and implications in staging of lung cancer with MR imaging. Glazer GM; Orringer MB; Chenevert TL; Borrello JA; Penner MW; Quint LE; Li KC; Aisen AM. *Radiology* 1988; 168: 429
- mediastinal masses: MR imaging. von Schulthess GK; McMurdo KK; Tscholakoff D; de Geer G; Gamsu G; Higgins CB. *Radiology* 1986; 158: 289
- MR evaluation of mediastinal and thoracic inlet venous obstruction. Weinreb JC; Mootz A; Cohen JM. *AJR* 1986; 146: 679
- MR imaging of mediastinal pseudocyst. Winsett MZ; Amparo EG; Fagan CJ; et al. *JCAT* 1988; 12: 320
- MR imaging of mediastinal thymolipoma. Shirkhoda A; Chasen MH; Eftekhar F; et al. *JCAT* 1987; 11: 364
- primary lung cancer staging: prospective comparative study of MR imaging with CT. Musset D; Grenier P; Carrette MF; Fria G; Hauuy MP; Desbleds MT; Girard P; Bigot JM; Lallemand D. *Radiology* 1986; 160: 607
- ## Mediastinum, neoplasms
- benign hemangioperithelioma involving posterior mediastinum: CT findings. Tarr RW; Page DL; Glick AG; et al. *JCAT* 1986; 10: 865

- benign mixed tumor of salivary gland origin presenting as a mediastinal mass, Gale JT; Mendelson DS; Cohen BA; et al, *CT* 1986; 10: 23
- calcification in untreated mediastinal lymphoma, Panicek DM; Harty MP; Scicutella CJ; Carsky EW, *Radiology* 1988; 166: 735
- case report 434, Ihmeidan IH; Tehranzadeh J; Mnyamneh W; et al, *Skeletal Radiol* 1987; 16: 568
- case report: a large soft-tissue chondroma arising from the posterior mediastinum, Widdowson DJ; Lewis-Jones HG, *Clin Radiol* 1988; 39: 333
- case report: infiltrative fibromatosis: rare cause of fatal haemorrhage, Ashby MA; Harmer CL; McKinna JA; et al, *Clin Radiol* 1986; 37: 193
- cavitation of anterior mediastinal masses in children with histiocytosis-X: report of four cases with radiographic, pathologic findings and clinical follow up, Abramson SJ; Berdon WE; Reilly BJ; et al, *Pediatr Radiol* 1987; 17: 10
- comparative merits of conventional, computed tomographic, and magnetic resonance imaging in assessing mediastinal involvement in surgically confirmed lung carcinoma, (ab), Martini N; Heelan RT; Westcott J; et al, *Radiology* 1986; 160: 283
- computed tomography in primary non-seminomatous germ cell tumors of the mediastinum, Blomlie V; Lien HH; Fosså SD; et al, *Acta Radiol* 1988; 29: 289
- computed tomography in the diagnosis and treatment of mediastinal abnormalities in children, Ivancev K; Halldorsdottir A; Laurin S; et al, *Acta Radiol* 1988; 29: 115
- computed tomography of anterior mediastinal tumors: differentiation between thymoma and germ cell tumor, Mori K; Eguchi K; Moriama H; et al, *Acta Radiol* 1987; 28: 395
- computed tomography of benign mature teratomas of the mediastinum, Brown LR; Muhn JR; Aughenbaugh GL; et al, *J Thorac Imag* 1987; 2: 66
- CT characteristics of expansions in the middle and posterior mediastinum, Salonen O, *Comput Radiol* 1987; 11: 95
- CT evaluation of enhancing mediastinal masses, Spizarny DL; Rebner M; Gross BH, *JCAT* 1987; 11: 990
- CT evaluation of mediastinal masses, Rebner M; Gross BH; Robertson JM; et al, *Comput Radiol* 1987; 11: 103
- CT evaluation of posterior mediastinal teratoma, Dobranowski J; Martin LFW; Bennett WF, *JCAT* 1987; 11: 156
- echocardiographic evidence of mediastinal lymph node enlargement in T-acute lymphoblastic leukemia with acute pericarditis, Mancuso L; Bondi F; Iacona MA; et al, *JCU* 1986; 14: 296
- imaging of foregut duplication cysts, Fitch SJ; Tonkin ILD; Tonkin AK, *Radiographics* 1986; 6: 189
- infants presenting with respiratory distress due to anterior mediastinal teratomas: a report of three cases and a review of the literature, Kenny JB; Carty HML, *Br J Radiol* 1988; 61: 241
- mediastinal adenopathy and endobronchial involvement in metastatic renal cell carcinoma, Merline DS; Fishman EK, *CT* 1988; 12: 216
- mediastinal distortions from focal masses: a CT and radiographic study, Sone S; Gamsu G; Ikezoe J; et al, *J Thorac Imag* 1987; 2: 67
- mediastinal involvement in adults with lymphoblastic lymphoma, Schwartz EE; Conroy JF; Bonner H, *Acta Radiol* 1987; 28: 403
- mediastinal lesions in children: comparison of CT and MR, Siegel MJ; Nadel SN; Glazer HS; Sagel SS, *Radiology* 1986; 160: 241
- mediastinal lymph node detection and sizing at CT and autopsy, Quint LE; Glazer GM; Orringer MB; et al, *AJR* 1986; 147: 469
- mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT, Poon PY; Bronekill MJ; Henkelman RM; Rideout DE; Shulman HS; Weisbrod GL; Steinhart MJ; Dunlap HJ; Ginsberg RJ; Feld R; Sutcliffe SB; Williams JL, *Radiology* 1987; 162: 651
- mediastinal masses: MR imaging, von Schulthess GK; McMurdo KK; Tscholakoff D; de Geer G; Gamsu G; Higgins CB, *Radiology* 1986; 158: 289
- mediastinal masses: system for diagnosis based on computed tomography, Feigin DS; Padua EM, *CT* 1986; 10: 11
- mediastinal nodes in bronchogenic carcinoma: comparison between CT and mediastinoscopy, Staples CA; Müller NL; Miller RR; Evans KC; Nelems B, *Radiology* 1988; 167: 367
- mediastinal paraganglioma: radiologic evaluation of an unusual vascular tumor, Drucker EA; McCloud TC; Dedrick CG; et al, *AJR* 1987; 148: 521
- mediastinal tumors: evaluation with suprasternal sonography, Wernecke K; Peters PE; Galanski M, *Radiology* 1986; 159: 405
- mediastinum in Hodgkin's and non-Hodgkin's lymphomas, Blank N; Castellino KA, *J Thorac Imag* 1987; 2: 66
- medullary thyroid carcinoma: localization of a mediastinal metastasis with I-131 MIBG, Lafamme L; Taillefer R; Durancieu A; et al, *Clin Nucl Med* 1988; 13: 577
- MR imaging of mediastinal thymolipoma, Shirkhoda A; Chasen MH; Eftekhari F; et al, *JCAT* 1987; 11: 364
- multidisciplinary approach to primary nonseminomatous germ cell tumors of the mediastinum, (ab), Kay PH; Wells FC; Goldstraw P, *Radiology* 1988; 167: 883
- normal and occluded mediastinal veins: MR imaging, McMurdo KK; de Geer G; Webb WR; Gamsu G, *Radiology* 1986; 159: 33
- parasternal mediastinal sonography: sensitivity in the detection of anterior mediastinal and subcarinal tumors, Wernecke K; Pötter R; Peters PE; et al, *AJR* 1988; 150: 1021
- patterns of mediastinal metastases in bronchogenic carcinoma, (ab), Libshitz HI; McKenna RJ Jr; Mountain CF, *Radiology* 1987; 162: 884
- pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, Quint LE; Glazer GM; Francis IR; Shapiro B; Chenevert TL, *Radiology* 1987; 165: 89
- real-time sonography of mediastinal and juxtamediastinal masses in infants and children, Liu P; Daneman A; Stringer DA, *J Canad Assoc Radiol* 1988; 39: 198
- regression of mediastinal Hodgkin disease after therapy: evaluation of timeinterval, North LB; Fuller LM; Sullivan-Halley JA; Hagemeister FB, *Radiology* 1987; 164: 599
- roentgenographic evaluation of mediastinal nodes for preoperative assessment in lung cancer, (ab), McKenna RJ Jr; Libshitz HI; Mountain CE; et al, *Radiology* 1986; 158: 565
- selective operative approach for diagnosis and treatment of anterior mediastinal masses, (ab), Ferguson MK; Lee E; Skinner DB; et al, *Radiology* 1988; 167: 883
- sonographic findings in mediastinal embryonal carcinoma, Marx MV; Cunningham JJ, *J Ultrasound Med* 1986; 5: 41
- stage III thymoma: results of postoperative radiation therapy, Krueger JB; Sagerman RH; King GA, *Radiology* 1988; 168: 855
- subcarinal space revisited on a frontal chest radiography: evaluation in subcarinal mass detection, Legmann P; Grenier P, *Eur J Radiol* 1987; 7: 18
- superior vena caval syndrome in primary mediastinal germ cell tumors, Holbert BL; Libshitz HI, *J Canad Assoc Radiol* 1986; 37: 182
- ultrasonography of mediastinal teratoma, Ikezoe J; Morimoto S; Arisawa J; et al, *JCU* 1986; 14: 513
- Mediastinum, radiography**
- advanced multiple-beam equalization radiography in chest radiology: a simulated nodule detection study, Schultz Kool LJ; Buscher DLT; Vlasbloem H; Hermans J; Merwe PCvd; Algra PR; Herstel W, *Radiology* 1988; 169: 35
- digital and conventional chest imaging: modified ROC study of observer performance using simulated nodules, Chakraborty DP; Brensach ES; Yester MV; Soto B; Barnes GT; Fraser RG, *Radiology* 1986; 158: 35
- enlarging mediastinal mass, Traugher PD; Wojtowycz MM; Karwande SV; et al, *Invest Radiol* 1987; 22: 240
- improved pulmonary nodule detection with scanning equalization radiography, Wandtke JC; Plewes DB; McFaul JA, *Radiology* 1988; 169: 23
- mediastinal anatomy: emphasis on conventional images with anatomic and computed tomographic correlations, Proto AV, *J Thorac Imag* 1987; 2: 1
- mediastinal imaging in myasthenia gravis: correlation of chest radiography, CT, MR, and surgical findings, Batra P; Herrmann C Jr; Mulder D, *AJR* 1987; 148: 515
- subcarinal space revisited on a frontal chest radiography: evaluation in subcarinal mass detection, Legmann P; Grenier P, *Eur J Radiol* 1987; 7: 18
- tracheal parallax in the assessment of mediastinal shift, Don C, *J Canad Assoc Radiol* 1987; 38: 87
- variable nature of the mediastinal contour lines: CT/chest radiography correlation, Palling MR; Pope TL Jr, *CT* 1987; 11: 254
- Mediastinum, US studies**
- mediastinal tumors: evaluation with suprasternal sonography, Wernecke K; Peters PE; Galanski M, *Radiology* 1986; 159: 405
- parasternal mediastinal sonography: sensitivity in the detection of anterior mediastinal and subcarinal tumors, Wernecke K; Pötter R; Peters PE; et al, *AJR* 1988; 150: 1021
- real-time sonography of mediastinal and juxtamediastinal masses in infants and children, Liu P; Daneman A; Stringer DA, *J Canad Assoc Radiol* 1988; 39: 198
- sonographic findings in mediastinal embryonal carcinoma, Marx MV; Cunningham JJ, *J Ultrasound Med* 1986; 5: 41
- suprasternal approach to the mediastinum using real-time ultrasonography: echocardiographic correlations, Matter D; Sick H; Koritke J-G; et al, *Eur J Radiol* 1987; 7: 11
- ultrasonography of mediastinal teratoma, Ikezoe J; Morimoto S; Arisawa J; et al, *JCU* 1986; 14: 513
- Medico-legal problems**
- current and future policies regarding laboratory animal welfare, Rozmarek H, *Invest Radiol* 1987; 22: 175
- determination of death and the changing role of medical imaging, Morayati SJ; Nagle CE, *Radiographics* 1988; 8: 967
- ectopic pregnancy: malpractice paradigm, James AE Jr; Fleischer AC; Sacks GA; Greeson T, *Radiology* 1986; 160: 411
- influence of federal and state regulations on the acquisition and operation by hospitals of magnetic resonance imaging scanners, Bartlett SW, *Cardiovasc Intervent Radiol* 1986; 8: 394
- legal and ethical choices in a technologic discipline: imaging centers, DRGs, and the radiologist, James AE Jr; Greeson T; Price RR; et al, *Invest Radiol* 1986; 21: 746
- legal and ethical issues in a technologic discipline: agency relationship, James AE Jr; Greeson T; Price RR; et al, *Invest Radiol* 1986; 21: 815
- legal and ethical issues in a technologic discipline: new times, new choices, James AE Jr; Greeson T; Price RR; et al, *Invest Radiol* 1986; 21: 673
- licensing criteria for nuclear medicine, Westerman BR, *Semin Nucl Med* 1986; 16: 171
- malpractice and radiologists, update 1986: 11.5-year perspective, Berlin L, *AJR* 1986; 147: 1291
- medical image management, James AE Jr; Carroll F; Pickens DR III; Chapman JC; Robinson RR; Pendergrass HP; Zaner RM, *Radiology* 1986; 160: 847
- medical malpractice in diagnostic radiology: claims, compensation, and patient injury, Hamer MM; Morlock F; Foley HT; Ros PR, *Radiology* 1987; 164: 263
- overview of informed consent for radiologists, Reuter SR, *AJR* 1987; 148: 219
- radiology malpractice lawsuits: California jury verdicts, Spring DB; Tennenhouse DJ, *Radiology* 1986; 159: 811
- response of patients to informed consent for excretory urography, Winfield AC; Ford CV; James AE Jr; et al, *Urol Radiol* 1986; 8: 35

- what should patients be told prior to a medical procedure? ethical and legal perspectives on medical informed consent. (ab), Mazur DJ, *Radiology* 1987; 163: 592
- Medulla oblongata**
See Brain stem
- Medulloblastoma**
computed tomography in management of medulloblastomas, Sandhu A; Kendall B, *Neuroradiol* 1987; 29: 444
cystic adult medulloblastomas, Hyman AD; Lanzieri CF; Solodnik P; et al, *CT* 1986; 10: 139
gastroparesis secondary to a medulloblastoma of the posterior fossa, Szilagyi A; Stern J; Armanious S; et al, *Clin Nucl Med* 1987; 12: 864
incidence of late endocrine dysfunction following irradiation for childhood medulloblastoma, Abayomi OK; Sadeghi-Nejad A, *Int J Radiat Oncol Biol Phys* 1986; 12: 945
increasing weight and girth after neurosurgery, Martino CR; Williams CD III; Schultz CL; et al, *Invest Radiol* 1986; 21: 98
long term results of a pilot study of low dose cranial-spinal irradiation for cerebellar medulloblastoma, Brand WN; Schneider PA; Tokars RP, *Int J Radiat Oncol Biol Phys* 1987; 13: 1641
medulloblastoma: staging and treatment outcome, Deutsch M, *Int J Radiat Oncol Biol Phys* 1988; 14: 1103
medulloblastoma: the Duke University Medical Center experience, Hershatter BW; Halperin EC; Cox EB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1771
pre-radiation chemotherapy for infants and poor prognosis children with medulloblastoma, Loeffler JS; Kretschmar CS; Sallan SE; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 177
radiotherapeutic management of medulloblastoma in a pediatric patient with ataxia telangiectasia, Hart RM; Kimler BF; Evans RG; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1237
thoracic spinal metastasis from unexpected cerebellar medulloblastoma: value of MRI, Wang A-M; Jolesz F; Rumbaugh CL; et al, *Comput Radiol* 1986; 4: 161
- Megacolon**
See Colon, enlarged
- Megacystis-microcolon-intestinal hypoperistalsis syndrome (MMIH)**
megacystis-microcolon-intestinal hypoperistalsis syndrome in a male infant, Willard DA; Gabriele OF, *JCU* 1986; 14: 481
- Melanoma**
brain metastases from malignant melanoma: conventional vs. high-dose-per-fraction radiotherapy, Ziegler JC; Cooper JS, *Int J Radiat Oncol Biol Phys* 1986; 12: 1839
case of the month: blindingly obvious, Tilley EA; Adam EJ; Joseph AEA, *Br J Radiol* 1988; 61: 87
case report: primary malignant melanoma of the uterine cervix, Owens OJ; Pollard K; Khoury GG; et al, *Clin Radiol* 1988; 39: 336
choroidal melanoma: I-125 plaque therapy, Bosworth JL; Packer S; Rotman M; Ho T; Finger PT, *Radiology* 1988; 169: 249
choroidal melanomas: correlation of NMR spectroscopy and MR imaging, Gomori JM; Grossman RI; Shields JA; Augsburger JJ; Joseph PM; DeSimeone D, *Radiology* 1986; 158: 443
clinical parameters related to optimal tumor localization of indium-111-labeled mouse antineoplastic monoclonal antibody ZME-018, Murray JL; Rosenblum MG; Lamki L; et al, *J Nucl Med* 1987; 28: 25
comparison of gallium-67 versus indium-111 monoclonal antibody (96.5, ZME-018) in detection of human melanoma in athymic mice, Chan SM; Hoffer PB; Maric N; et al, *J Nucl Med* 1987; 28: 1441
conservative treatment of uveal melanoma: probability of eye retention after proton treatment, Munzenrider JE; Gragoudas ES; Seddon JM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 553
cystic renal melanoma: CT/ultrasound correlation, Tipton A; Goldman SM; Fishman EK; et al, *Urol Radiol* 1987; 9: 39
detection of adrenal melanoma with computed tomography, Parker LA; Vincent LM, *Urol Radiol* 1986; 8: 209
detection of malignant melanoma with iodine-123 iodoamphetamine, Cohen MB; Saxton RE; Lake RR; et al, *J Nucl Med* 1988; 29: 1200
effects of roentgen irradiation on human melanoma metastases in the skin, Salmi R; Holsti P, *Acta Oncol* 1987; 26: 37
inhibition of gallium-67 uptake in melanoma by an anti-human transferrin receptor monoclonal antibody, Chan SM; Hoffer PB; Maric N; et al, *J Nucl Med* 1987; 28: 1303
intracerebral malignant melanoma: high-field-strength MR imaging, Woodruff WW Jr; Djang WT; McLendon RE; Heinz ER; Voorhees DR, *Radiology* 1987; 165: 209
intraocular tumors: evaluation with MR imaging, Peyster RG; Augsburger JJ; Shields JA; Hershey BL; Eagle R Jr; Haskin ME, *Radiology* 1988; 168: 773
intrapatient and interpatient comparison of tumor size and monoclonal antibody uptake in melanoma, Cornelius EA; Neumann RD; Zoghbi S; et al, *Clin Nucl Med* 1988; 13: 243
investigative studies in the diagnosis and treatment of melanoma, Seigler HF, *Invest Radiol* 1986; 21: 596
iodothioric acid as a melanoma localizing agent, Coderre JA; Packer S; Fairchild RG; et al, *J Nucl Med* 1986; 27: 1157
lymphoma, melanoma, colon cancer: diagnosis and treatment with radiolabeled monoclonal antibodies. the 1986 Eugene P. Pendergrass New Horizons Lecture, Larson SM, *Radiology* 1987; 165: 297
malignant melanoma: analysis of dose fractionation in radiation therapy, Konefal JB; Emami B; Pilepich MV, *Radiology* 1987; 164: 607
malignant melanoma: correlating abdominal and pelvic CT with clinical staging, Shirkhoda A; Albin J, *Radiology* 1987; 165: 75
malignant melanoma developing in an irradiation field, Inbar M; Matzkin H; Rozin RR; et al, *Br J Radiol* 1988; 61: 519
metastatic melanoma to the epididymis suspected on preoperative ultrasound, Anderson MW; McGahan JP, *JCU* 1986; 14: 644
MR characteristics of a primary melanoma of the quadrigeminal plate, Weindling SM; Press GA; Hesselink JR, *AJNR* 1988; 9: 214
MR characteristics of a primary melanoma of the quadrigeminal plate, Weindling SM; Press GA; Hesselink JR, *AJNR* 1988; 9: 214
MR imaging of intracranial metastatic melanoma, Atlas SW; Grossman RI; Gomori JM; et al, *JCAT* 1987; 11: 577
ocular melanoma with retinal detachment: double density sign on CT, D'Alto RA; Budde RB Jr, *Comput Med Imag Graph* 1988; 12: 177
phase II study of CCNU with benznidazole for metastatic malignant melanoma, Bleeher NM; Roberts JT; Newman HFV, *Int J Radiat Oncol Biol Phys* 1986; 12: 1401
phase I immunolymphoscintigraphy with an In-111-labeled antineoplastic monoclonal antibody, Engelstad BL; Spitler LE; Del Rio MJ; Ramos EC; Rosendorf LL; Reinhold CE; Khentigan A; Huberty JP; Corpuz SW; Lee HM; Okerlund MD; Hattner RS; Scannon PJ, *Radiology* 1986; 161: 419
preliminary studies of monoclonal antibody lymphoscintigraphy in malignant melanoma, Nelp WB; Eary JF; Jones RF; et al, *J Nucl Med* 1987; 28: 34
radiation biology of malignant melanoma, Rofstad EK, *Acta Oncol* 1986; 25: 1
radiation response of human melanoma multicellular spheroids measured as single cell survival, growth delay, and spheroid cure: comparisons with the parent tumor xenograft, Rofstad EK; Wahl A; Brustad T, *Int J Radiat Oncol Biol Phys* 1986; 12: 975
radioimmunodetection of human melanoma with indium-111-labeled monoclonal antibody, Taylor A Jr; Milton W; Eyre H; et al, *J Nucl Med* 1988; 29: 329
radiotherapy of choroidal malignant melanomas, Ammar F; Robertson AG; Dudgeon J, *Clin Radiol* 1987; 38: 21
regional lymph node and pulmonary metastases after local hyperthermia of melanomas in C57BL/6 mice, Nathanson SD; Haas GP; Bobrowski R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 243
response of human neuroblastoma and melanoma multicellular tumor spheroids (MTS) to single dose irradiation, Evans SM; Labs LM; Yuhass JM, *Int J Radiat Oncol Biol Phys* 1986; 12: 969
results of high dose I06-ruthenium irradiation of choroidal melanomas, Muller R-P; Busse H; Potter R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1749
role of radiotherapy in recurrent and metastatic malignant melanoma: clinical radiobiological study, Overgaard J, *Int J Radiat Oncol Biol Phys* 1986; 12: 867
scintigraphy with In-111-labeled monoclonal antibody: kinetics, biodistribution, and tumor detection, Halpern SE; Haindl W; Beauregard J; Hagan P; Clutter M; Amos D; Merchant B; Unger M; Mongovi C; Bartholomew R; Jue R; Carlo D; Dillman R, *Radiology* 1988; 168: 529
SPECT in gallium imaging in a patient with metastatic melanoma, Edeburn GF; Tow DE, *Clin Nucl Med* 1986; 11: 528
two cases of primary malignant melanoma of the oesophagus, Isaacs JL; Quirke P, *Clin Radiol* 1988; 39: 455
use of magnetic resonance imaging in the planning of iodine 125 therapy for melanoma of the choroid, Conard F; Sealy R; Hill J; et al, *Br J Radiol* 1988; 61: 79
uveal melanoma and similar lesions: role of magnetic resonance imaging and computed tomography, Peyman GA; Mafee MF, *Radiol Clin North Am* 1987; 25: 471
vision following helium ion radiotherapy of uveal melanoma: a Northern California Oncology Group study, Linstadt D; Char DH; Castro JR; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 347
visualization of ocular melanoma with N-isopropyl-p-[123I]-iodoamphetamine, Ono S; Fukunaga M; Otsuka N; et al, *J Nucl Med* 1988; 29: 1448
- Memory**
behavioral effects of exposure to nuclear magnetic resonance imaging: II. spatial memory tests, Innis NK; Ossenkopp K-P; Prato FS; et al, *Magn Res Imag* 1986; 4: 281
selective posterior cerebral artery amylase test for evaluating memory function before surgery for temporal lobe seizure, Jack CR Jr; Nichols DA; Sharbrough FW; Marsh WR; Petersen RC, *Radiology* 1988; 168: 787
whither the Wada?, Miller DL; Fedio P, *Radiology* 1988; 168: 871
- Meninges**
See also Arachnoid
effect of chymopapain on the meninges studied in an experimental model, Haughton VM; Nguyen CM; Ho K-C, *Radiology* 1988; 169: 475
- Meninges, CT**
dynamic CT of tuberculous meningeal reactions, Jinkins JR, *Neuroradiol* 1987; 29: 343
prospective study of computed tomography in acute bacterial meningitis, (ab), Cabral DA; Flodmark O; Farrell K; et al, *Radiology* 1988; 167: 591
- Meninges, diseases**
dynamic CT of tuberculous meningeal reactions, Jinkins JR, *Neuroradiol* 1987; 29: 343
spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, *Radiology* 1988; 169: 765
- Meninges, inflammation**
See Meningitis
- Meninges, MR studies**
high-resolution MR imaging of juxtacellular meningiomas with CT and angiographic correlation, Yeakley JW; Kulkarni MV; McArdle CB; et al, *AJNR* 1988; 9: 279
intracranial meningiomas: high-field MR imaging, Spagnoli MV; Goldberg HI; Grossman RI; Bilaniuk LT; Gomori JM; Hackney DB; Zimmerman RA, *Radiology* 1986; 161: 369
meningeal carcinomatosis in the VX2 rabbit tumor model: detection with Gd-DTPA-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Wright DC; Cohen PJ; Doppman JL, *Radiology* 1988; 167: 825

- spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, *Radiology* 1988; 169: 765
- Meninges, neoplasms**
- appearance of metastatic meningioma on bone scintigraphy, Jackson JG; Moynuddin M, *Clin Nucl Med* 1986; 11: 819
- benign extraaxial tumors: contrast enhancement with Gd-DTPA, Breger RK; Papke RA; Pujanas KW; Houghton VM; Williams AL; Daniels DL, *Radiology* 1987; 163: 427
- "benign" metastasizing meningiomas, Som PM; Sacher M; Strenger SW; et al, *AJNR* 1987; 8: 127
- CT and MR appearance of a primary intracranial meningioma, Morrison MC; Weiss KL; Moskos MM, *JCAT* 1988; 12: 169
- CT demonstration of extradural thoracic meningioma, Wang A-M; Gali CM; Shillito J, Jr; et al, *JCAT* 1988; 12: 536
- cystic meningioma presenting as a ring lesion, Zagzag D; Gomori JM; Rappaport ZH; et al, *AJNR* 1986; 7: 911
- cystic meningiomas: practical value of a radio-surgical classification, Ramos F Jr; Ba Zeze V; Velut S; et al, *J Neuroradiol* 1987; 14: 271
- glucose utilization by intracranial meningiomas as an index of tumor aggressiveness and probability of recurrence: a PET study, Di Chiro G; Hatazawa J; Katz DA; Rizzoli HV; De Michele DJ, *Radiology* 1987; 164: 521
- high-resolution MR imaging of juxtaseptal meningiomas with CT and angiographic correlation, Yeakley JW; Kulkarni MV; McArdle CB; et al, *AJNR* 1988; 9: 279
- imaging of intradural extramedullary tumours: neurinomas and meningiomas, Boissiere-Lacroix M; Kien P; Caille JM, *J Neuroradiol* 1987; 14: 66
- infratemporal fossa meningioma: CT and MR findings, Barloon TJ; Yuh WTC; DeMarino DP; et al, *JCAT* 1987; 11: 1050
- integrated MR imaging and spectroscopy with chemical shift imaging of F-31 at 1.5 T: initial clinical experience, Lenkinski RE; Holland GA; Allman T; Vogele K; Kressel HY; Grossman RJ; Charles HC; Engeseth HR; Flamig D; MacFall JR, *Radiology* 1988; 169: 201
- intracranial meningiomas: high-field MR imaging, Spagnoli MV; Goldberg HI; Grossman RJ; Bilaniuk LT; Gomori JM; Hackney DB; Zimmerman RA, *Radiology* 1986; 161: 369
- intraparenchymal meningioma in a child: CT and MR findings, Schroeder BA; Samaraweera RN; Starshak RJ; et al, *JCAT* 1987; 11: 192
- in vivo quantitation using SPECT of radiopharmaceutical uptake by human meningiomas, Front D; Ioskevsky G; Frenkel A; Even-Sapir E; Israel O; Kolodny GM; Feinsud M, *Radiology* 1987; 164: 93
- leptomeningeal metastasis: MR imaging, Davis PC; Friedman NC; Fry SM; Malko JA; Hoffman JC Jr; Braun IF, *Radiology* 1987; 163: 449
- meningeal carcinomatosis in the VX2 rabbit tumor model: detection with Gd-DTPA-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Wright DC; Cohen PJ; Doppman JL, *Radiology* 1988; 167: 825
- meningioma controversy: postoperative radiation therapy, Taylor BW Jr; Marcus RB Jr; Friedman WA; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 299
- meningioma cysts, (ab), Worthington C; Caron J-L; Melanson D; et al, *Radiology* 1986; 161: 863
- mismatch between iodine-123 IMP and technetium-99m HM-PAO brain perfusion imaging in a patient with meningioma, Hoshi H; Jinnouchi S; Watanabe K; et al, *Clin Nucl Med* 1987; 12: 737
- MR of cranial and spinal meningeal carcinomatosis: comparison with CT and myelography, Krol G; Sze G; Malkin M; et al, *AJNR* 1988; 9: 709
- neuroradiologic features of primary falx osteosarcoma, Wang A-M; Fitzgerald TJ; Lichtman AH; et al, *AJNR* 1986; 7: 729
- peritumoral edema in meningiomas: radiological and histological study, Bradac GB; Ferszt R; Bender A; et al, *Neuroradiol* 1986; 28: 304
- preoperative embolization of intracranial meningiomas, Manella C; Lasjaunias P; Rusalleda J, *AJNR* 1986; 7: 963
- primary ectopic meningioma of the neck: MR features, Tampieri D; Pokrupa R; Melanson D; et al, *JCAT* 1987; 11: 1054
- radiation therapy for incompletely resected meningiomas, (ab), Petty AM; Kun LE; Meyer GA, *Radiology* 1986; 158: 571
- two patients with meningioma visualized as high uptake by SPECT with N-isopropyl-p-iodo-amphetamine (I-123), Nishimura T; Hayashida K; Uehara T; et al, *Neuroradiol* 1988; 30: 351
- value of enhanced "dynamic" computed tomography in localizing a spinal juxtamedullary meningioma: enhanced dynamic CT in localizing a spinal meningioma, Boccardo M; Macchia G; Carloti G; et al, *Neuroradiol* 1987; 29: 313
- value of magnetic resonance imaging in the diagnosis of intracranial meningiomas, Mawhinney RR; Buckley JH; Holland IM; et al, *Clin Radiol* 1986; 37: 429
- Meningioma**
- See Meninges, neoplasms
- Meningitis**
- chemical meningitis in metrizamide myelography: report of seven cases, Sand T; Anda S; Hellum K; et al, *Neuroradiol* 1986; 28: 69
- cryptococcus meningitis, clinical - CT scan considerations, Tan CT; Kuan BB, *Neuroradiol* 1987; 29: 43
- CT, MR, and pathology in HIV encephalitis and meningitis, Post MJD; Tate LG; Quencer RM; et al, *AJNR* 1988; 9: 469
- gallium imaging of rheumatoid pachymeningitis, Higgins WL; Marano GD, *Clin Nucl Med* 1986; 11: 350
- persistent cortical enhancement in tuberculous meningitis, Suss RA; Resta S; Diehl JT, *AJNR* 1987; 8: 716
- predictive value of computed tomography and *Haemophilus influenzae* capsular antigen in subdural fluid collections, Suchet I; Horwitz T; Kitay S; et al, *Clin Radiol* 1988; 39: 265
- prospective study of computed tomography in acute bacterial meningitis, (ab), Cabral DA; Flodmark O; Farrell K; et al, *Radiology* 1988; 167: 591
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, *Radiology* 1988; 166: 553
- radionuclide scintigraphy of the brain and ultrasound studies in tubercular meningitis, Samuel AM; Vidvans AS, *Clin Nucl Med* 1987; 12: 298
- rhinorrhea and meningitis due to post-traumatic osteo-meningeal defects in the anterior cranial fossa: diagnosis with water-soluble CT cisternography, Prere J; Puech JL; Deroover N; et al, *J Neuroradiol* 1986; 13: 278
- spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, *Radiology* 1988; 169: 765
- Virchow-Robin space: path of spread in neurosarcoidosis, Mirfakhraee M; Crofford MJ; Quinto FC Jr; Nauta HJW; Weedin VW, *Radiology* 1986; 158: 715
- Meningocele**
- See Spina bifida
- Menopause**
- menopause, Gambrell RD Jr, *Invest Radiol* 1986; 21: 369
- Menstruation**
- catamenial pneumothorax: case report and literature review, Gray R; Cormier M; Yedlicka J; et al, *J Thorac Imag* 1987; 2: 72
- changing appearance of the normal uterus during the menstrual cycle: MR studies, Haynor DR; Mack LA; Soules MR; Shuman WP; Montana MA; Moss AA, *Radiology* 1986; 161: 459
- female pelvic anatomy: MR assessment of variations during the menstrual cycle and with use of oral contraceptives, McCarthy S; Tauber C; Gore J, *Radiology* 1986; 160: 119
- is cranial CSF volume under hormonal influence? an MR study, Grant R; Condon B; Lawrence A; et al, *JCAT* 1988; 12: 36
- menstruation: hazard in radionuclide renal transplant evaluation, Orzel JA; Jaffers GJ, *Clin Nucl Med* 1986; 11: 409
- transverse relaxation time values in MR imaging of normal breast during menstrual cycle, Martin B; El Yousef SJ, *JCAT* 1986; 10: 924
- Mental deficiency**
- hydrocephalus and mental retardation in craniosynostosis, (ab), Noetzel MJ; Marsh JL; Palkes H; et al, *Radiology* 1986; 159: 575
- neurologic status in infants treated with extracorporeal membrane oxygenation: correlation of imaging findings with developmental outcome, Taylor GA; Glass P; Fitz CR; Miller MK, *Radiology* 1987; 165: 679
- Mercury**
- metallic mercury pulmonary emboli, Spizarny DL; Renzi P, *J Canad Assoc Radiol* 1987; 36: 60
- Minamata disease demonstrated by computed tomography, Matsumoto SC; Okajima T; Inayoshi S; et al, *Neuroradiol* 1988; 30: 42
- Mesenteritis**
- CT features of mesenteric panniculitis, Mata JM; Inaraja L; Martin J; et al, *JCAT* 1987; 11: 1021
- retractile mesenteritis involving the colon: barium enema, sonographic, and CT findings, Perez-Fontan FJ; Soler R; Sanchez J; et al, *AJR* 1986; 147: 937
- retractile mesenteritis involving the colon: pathologic and radiologic correlation (case report), Han SY; Koehler RE; Keller FS; et al, *AJR* 1986; 147: 268
- Mesentery, angiography**
- middle mesenteric artery, Lawdahl RB; Keller FS, *Radiology* 1987; 163: 371
- Mesentery, CT**
- annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease, Meyers MA; Oliphant M; Berne AS; Feldberg MAM, *Radiology* 1987; 163: 593
- chylolymphatic mesenteric cyst: a diagnostic appearance on computed tomography, Phillips GWL; Senapati A; Young AE, Jr, *Radiol* 1988; 61: 413
- computed tomography characteristics of intermesenteric hematomas, Chintapalli K; Dodds WJ; Olson DL, *CT* 1988; 12: 122
- computed tomography of mesenteric disease, Silverman PM; Baker ME; Cooper C; Kelvin FM, *Radiographics* 1987; 7: 309
- CT appearance of diffuse mesenteric edema, Silverman PM; Baker ME; Cooper C; et al, *JCAT* 1986; 10: 67
- CT features of mesenteric panniculitis, Mata JM; Inaraja L; Martin J; et al, *JCAT* 1987; 11: 1021
- distinctive CT findings of unusual mesenteric cysts, Nakamura H; Hashimoto T; Akashi H; et al, *JCAT* 1987; 11: 1024
- epiploic appendicitis: CT characteristics, Danielson K; Chernin MM; Amberg JR; et al, *JCAT* 1986; 10: 142
- mesenteric and omental cysts: histologic classification with imaging correlation, Ros PR; Olmsted WW; Moser RF Jr; Dachman AH; Hjermstad BH; Sobin LH, *Radiology* 1987; 164: 327
- mesenteric panniculitis, Gudinchet F; Schnyder P, *Acta Radiol* 1987; 28: 727
- mesenteric panniculitis: CT appearance, Kopecky KK; Lappas JC; Baker MK; et al, *Gastrointest Radiol* 1988; 13: 273
- Mesentery, cysts**
- chylolymphatic mesenteric cyst: a diagnostic appearance on computed tomography, Phillips GWL; Senapati A; Young AE, Jr, *Radiol* 1988; 61: 413
- distinctive CT findings of unusual mesenteric cysts, Nakamura H; Hashimoto T; Akashi H; et al, *JCAT* 1987; 11: 1024
- mesenteric and omental cysts: histologic classification with imaging correlation, Ros PR; Olmsted WW; Moser RF Jr; Dachman AH; Hjermstad BH; Sobin LH, *Radiology* 1987; 164: 327
- Mesentery, ischemia**
- ³¹P magnetic resonance spectroscopy of mesenteric ischemia, Kass DA; Banville DL; Gooding CA; et al, *Magn Res Med* 1987; 4: 83
- Mesentery, MR studies**
- ³¹P magnetic resonance spectroscopy of mesenteric ischemia, Kass DA; Banville DL; Gooding CA; et al, *Magn Res Med* 1987; 4: 83

Mesentery, neoplasms

Mesentery, neoplasms

- computed tomography of mesenteric disease, Silverman PM; Baker ME; Cooper C; Kelvin FM, *Radiographics* 1987; 7: 309
- inflammatory pseudotumor of the mesentery and small intestine, Day DL; Sane S; Dehner LP, *Pediatr Radiol* 1986; 16: 210
- normal anatomy and pathologic changes of the small bowel mesentery: US appearance, Derchi LE; Solbiati L; Rizzatto G; De Pra L, *Radiology* 1987; 164: 649
- small-bowel varices due to mesenteric metastasis, Radin DR; Siskind BN; Alpert S; et al, *Gastrointest Radiol* 1986; 11: 183

Mesentery, US studies

- cystic lymphangioma of the jejunal mesentery in an adult, Sadola E, *JCU* 1987; 15: 542
- fat necrosis simulating a primary tumor of the mesentery: sonographic diagnosis, Kordan B; Payne SD, *J Ultrasound Med* 1988; 7: 345
- mesenteric adenitis and acute terminal ileitis: US evaluation using graded compression, Puyllaert JBCM, *Radiology* 1986; 161: 691
- mesenteric and omental cysts: histologic classification with imaging correlation, Ros PR; Olmsted WW; Moser RP Jr; Dachman AH; Hjerstad BH; Sobin LH, *Radiology* 1987; 164: 327
- normal anatomy and pathologic changes of the small bowel mesentery: US appearance, Derchi LE; Solbiati L; Rizzatto G; De Pra L, *Radiology* 1987; 164: 649

Mesentery, varices

- mesenteric varices demonstrated by transhepatic portography, Matsunaga N; Hayashi K; Amamoto Y; et al, *Gastrointest Radiol* 1986; 11: 280

Mesons

- use of positron emission tomography in pion radiotherapy, Goodman GB; Lam GKY; Harrison RW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1867

Mesothelioma

- CT findings in localized fibrous mesothelioma of the pleural fissure, Spizarny DL; Gross BH; Shepard JO, *JCAT* 1986; 10: 942
- CT findings of hypervascular malignant peritoneal mesothelioma, Granke DS; Ellis JH; Richmond BD, *Comput Radiol* 1987; 11: 91
- diagnostic distinction between malignant mesothelioma of the pleura and adenocarcinoma of the lung as defined by a monoclonal antibody (B72.3), (ab), Szpak CA; Johnston WW; Roggli V; et al, *Radiology* 1986; 160: 571
- diffuse malignant mesothelioma of pleura: diagnosis and survival in 92 cases, (ab), Adams VI; Unni KK; Muhm JR; et al, *Radiology* 1987; 163: 837
- immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma: a bi-institutional study of 47 cases, (ab), Otis CN; Carter D; Cole S; et al, *Radiology* 1987; 165: 295
- malignant mesothelioma arising in the pouch of Douglas: computed tomography appearance, Fannay D; Castillo M; Casillas J, *Comput Med Imag Graph* 1988; 12: 179
- malignant mesothelioma with brain metastases, (ab), Kaye JA; Wang A-M; Joachim CL; et al, *Radiology* 1986; 159: 822
- malignant pleural mesothelioma in a child—a case report, Kapoor R; Gomber S; Saha MM; et al, *Australas Radiol* 1988; 32: 134
- primary pericardial mesothelioma detected by gallium-67 scintigraphy, Nishikimi T; Ochi H; Hirota K; et al, *J Nucl Med* 1987; 28: 1210
- technique for external beam treatment for mesothelioma, Kutcher GJ; Kestler C; Greenblatt D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1747
- ultrasound demonstration of a benign mesothelioma of tunica vaginalis testis, Aquino NM; Vazquez R; Matari H, *JCU* 1986; 14: 310

Metabolism

- F-19 MR imaging of glucose metabolism in the rabbit, Nakada T; Kwee IL; Griffey BV; Griffey RH, *Radiology* 1988; 168: 823

Metaphyses

- See Bones, metaphyses

Methotrexate

- bleomycin, methotrexate and vincristine before irradiation of stage III and IV laryngeal and pharyngeal squamous cell carcinoma, Hansen HS; Rygaard J; Andersen AP; et al, *Acta Oncol* 1987; 26: 13
- chronic effects of fractionated renal irradiation on the pharmacokinetics of intravenous methotrexate, Holcenberg JS; Moulder JE; Karmen BA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 759
- diffuse hepatic uptake of technetium-99m methylene diphosphonate in a patient receiving high dose methotrexate, Flynn BM; Treves ST, *J Nucl Med* 1987; 28: 532
- effect of methotrexate on perfusion and nitrogen-13 glutamate uptake in the Walker-256 carcinosarcoma, Knapp WH; Panzer M; Helus F; et al, *J Nucl Med* 1988; 29: 208
- intracerebral calcification in a child, Christensen R; Pollei SR; Nemcek AA Jr, *Invest Radiol* 1987; 22: 694
- long-term prospective study of the use of methotrexate in rheumatoid arthritis: update after a mean of fifty-three months, (ab), Kremer JM; Lee JK, *Radiology* 1988; 169: 886
- long-term prospective trial of low-dose methotrexate in rheumatoid arthritis, (ab), Weinblatt ME; Trentham DE; Fraser PA; et al, *Radiology* 1988; 169: 886
- radiation, methotrexate, and white matter necrosis: laboratory evidence for neural radioprotection with preirradiation methotrexate, Geyer JR; Taylor EM; Milstein JM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 373
- randomised clinical trial to contrast radiotherapy with radiotherapy and methotrexate given synchronously in head and neck cancer, Gupta NK; Pointon RCS; Wilkinson PM, *Clin Radiol* 1987; 38: 575
- renal irradiation and the pharmacology and toxicity of methotrexate and cisplatin, Moulder JE; Holcenberg JS; Karmen BA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1415
- safety and efficacy of the use of methotrexate in long-term therapy for rheumatoid arthritis, (ab), Kremer JM; Lee JK, *Radiology* 1987; 162: 295
- sequential 5-fluorouracil and methotrexate: negative experience in metastatic colorectal cancer, Wanderers EH; Fossa SD; Treit KM; et al, *Acta Oncol* 1987; 26: 289

Metoclopramide

- double-blind randomised cross-over comparison of nabilone and metoclopramide in the control of radiation-induced nausea, Priestman SG; Priestman TJ; Canney PA, *Clin Radiol* 1987; 38: 543
- metoclopramide: an aid in the diagnosis of lower gastrointestinal hemorrhage by technetium-99m labeled red blood cells, Wiener MD; Blinder R, *Clin Nucl Med* 1987; 12: 917
- pancreatic sonography: enhancement by metoclopramide, duCret RP; Jackson VP; Rees CR; et al, *AJR* 1986; 146: 341
- scintigraphic detection of metoclopramide esophageal stimulation in progressive systemic sclerosis, Drane WE; Karvelis K; Johnson DA; et al, *J Nucl Med* 1987; 28: 810

Metrizamide

- cervical radiculopathy: value of oblique MR imaging, Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Bohlman H, *Radiology* 1987; 163: 227
- computed tomography, magnetic resonance imaging, and pathologic observations of the effects of intrathecal metrizamide and iohexol on the canine central nervous system, Wood AKW; Kundel HL; McGrath JT; et al, *Invest Radiol* 1987; 22: 672
- effect of intrathecal iohexol on visual evoked response latency: comparison including incidence of headache with iopamidol and metrizamide in myelographic studies, Broadbridge AT; Bayliss SG; Brayshaw CI, *Clin Radiol* 1987; 38: 71
- iopamidol and neural tissue metabolism: comparative in vitro study, Ekholm SE; Morris TW; Fonte D; et al, *Invest Radiol* 1986; 21: 798
- iotrol versus metrizamide in lumbar myelography: double-blind study, Malnor MD; Houston LW; Strother CM; Turksi PA; Sackett JF; Boyer M, *Radiology* 1986; 158: 845

- low-dose metrizamide spinal computed tomography in outpatients, Pressman BD; Mink JH; Turner RM; et al, *JCAT* 1986; 10: 817

- metrizamide compared with iohexol for cervical myelography: a double-blind study, Reisin R; Ethier R; de la Sayette V; et al, *J Canad Assoc Radiol* 1988; 39: 107

- penetration of subarachnoid contrast medium into rabbit spinal cord: comparison between metrizamide and iohexol, Holtas S; Morris TW; Ekholm SE; et al, *Invest Radiol* 1986; 21: 151

- quality of urograms in infants: a comparison of sodium diatrizoate, metrizamide and iohexol, Rawlinson J; Hyde I; Williams J, *Br J Radiol* 1988; 61: 592

Metrizamide, complications

- bulbar palsy aggravated by metrizamide CT cisternography, Woo E; Chan FL; Yu YL; et al, *Neuroradiol* 1987; 29: 219

- chemical meningitis in metrizamide myelography: report of seven cases, Sand T; Anda S; Hellum K; et al, *Neuroradiol* 1986; 28: 69

- further support for the glucose hypothesis of metrizamide toxicity: effect of metrizamide and glucose analogue-free contrast media on hexokinase, Simon JH; Ekholm SE; Morris TW; et al, *Invest Radiol* 1987; 22: 137

- influence of certain factors on the manifestations of the adverse effects of metrizamide myelography, Yu YL; du Boulay GH; Paul E, *Neuroradiol* 1986; 28: 339

- myelography with metrizamide: effect of contrast removal on side effects, Numaguchi Y; Weems AM; Mizushima A; et al, *AJNR* 1986; 7: 498

- neurologic complications in diabetics after metrizamide lumbar myelography, Steiner E; Simon JH; Ekholm SE; et al, *AJNR* 1986; 7: 323

- outpatient metrizamide myelography: prospective evaluation of safety and cost effectiveness, Badami JP; Baker RA; Scholz FJ; McLaughlin M, *Radiology* 1986; 158: 175

- reduction of the gastrointestinal side effects of metrizamide myelography with oral dexamethasone, Smoker WRK; Lehmann TR; Hingtgen WL; et al, *AJNR* 1988; 9: 179

- risk of seizures after myelography: comparison of iohexol and metrizamide, Maly P; Bach-Gansmo T; Elmquist D, *AJNR* 1988; 9: 879

Metrizate

- nonionic versus ionic contrast media in intravenous urography: clinical trial in 1,000 consecutive patients, Jacobson BF; Jorulf H; Kalantar MS; Narasimham DL, *Radiology* 1988; 167: 601

Metronidazole

- DNA damage induced by reductively activated nitroimidazoles—pH effects, Edwards DI; Knight RC; Zahoor A, *Int J Radiat Oncol Biol Phys* 1986; 12: 1207

- effect of radiation-induced reduction of nitroimidazoles on biologically active DNA, Lafleur MVM; Pluijmakers-Westmijze EJ; Loman H, *Int J Radiat Oncol Biol Phys* 1986; 12: 1211

- oxygen depletion in irradiated aqueous solutions containing electron affinic hypoxic cell radiosensitizers, Michaels HB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1055

- production of strand breaks in DNA in the presence of the hydroxylamine of SR-2508 (1-[N-(2-hydroxyethyl)acetamido]-2-nitroimidazole) at neutral pH, Laderoute KR; Eryavec E; McClelland RA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1215

Microbubbles

- automated production and analysis of echo contrast agents, Keller MW; Feinstein SB; Briller RA; et al, *J Ultrasound Med* 1986; 5: 493

- hepatic tumors: US contrast enhancement with CO₂ microbubbles, Matsuda Y; Yabuuchi I, *Radiology* 1986; 161: 701

- microbubbles as a contrast agent for neurosonography and ultrasound-guided catheter manipulation: in vitro studies, Widdler DJ; Simeone JF, *AJNR* 1986; 7: 433
- production of microbubbles for use as echo contrast agents, Butler BD, *JCU* 1986; 14: 408

- saline microbubbles monitoring sonography-assisted abscess drainage, Scatamacchia SA; Raptopoulos V; Davidson RI, *Invest Radiol* 1987; 22: 868
- Microspheres**
- distribution of 15- and 137- μ diameter microspheres in the dog lung in the axial plane, Chiles C; Hedlund LW; Kubeck RJ; et al, *Invest Radiol* 1986; 21: 618
- effect of starch microspheres on the passage of labelled erythrocytes and a low molecular weight marker through the liver, Starkhammar H; Håkansson L, *Acta Oncol* 1987; 26: 361
- microsphere distribution in normal and tumor-bearing (DMBA-induced carcinogenesis) hamster cheek pouch, Ballerio C; Bradley BR; Muller HH; et al, *Invest Radiol* 1987; 22: 456
- regional hyperthermia combined with blockade of the hepatic arterial blood flow by degradable starch microspheres in pigs, Akuta K; Hiraoka M; Jo S, *Int J Radiat Oncol Biol Phys* 1987; 13: 239
- regional myocardial and organ blood flow after myocardial infarction: application of the microsphere principle in man, (ab), Selwyn AP; Shea MJ; Foale R; et al, *Radiology* 1986; 160: 574
- Microwaves**
- complications resulting from spurious fields produced by a microwave applicator used for hyperthermia, Scott RS; Chou C-K; McCumber M; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1883
- distribution of power and heat produced by interstitial microwave antenna arrays: I. comparative phantom and canine studies, Denman DL; Elson HR; Lewis GC Jr; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 127
- distribution of power and heat produced by interstitial microwave antenna arrays: II. the role of antenna spacing and insertion depth, Denman DL; Foster AE; Lewis GC Jr; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 537
- Doppler microwave: a clinical assessment of its efficacy as an arterial pulse sensing technique, Papp MA; Hughes C; Lin JC; et al, *Invest Radiol* 1987; 22: 569
- effect of field shaping on thermal pattern produced by external microwave, Spanos WJ Jr; Thompson J, *Int J Radiat Oncol Biol Phys* 1988; 15: 421
- effects of microwaves on the colony-forming capacity of haemopoietic stem cells in mice, Rotkova D; Vacek A; Bartonickova A, *Acta Oncol* 1987; 26: 233
- interstitial microwave hyperthermia in a canine brain model, Sneed PK; Matsumoto K; Stauffer PR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1887
- microwave hyperthermia as an adjunct to radiation therapy: summary experience of 256 multifraction treatment cases, Bicher HI; Wolfstein RS; Lewinsky BS; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1667
- microwaves in breast cancer detection, Edrich J, *Eur J Radiol* 1987; 7: 183
- new design of microwave interstitial applicators for hyperthermia with improved treatment volume, Lee D-J; O'Neill M; Lam K-S; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2003
- Misonidazole**
- anal submucosal injection: new route for drug administration in pelvic malignancies. part I. experimental study of misonidazole distribution in serum and tissues, with special reference to urinary bladder: preliminary report, Shafik A; El-Merzabani MM; El-Aasser AA; et al, *Invest Radiol* 1986; 21: 278
- binding of 3 H-misonidazole to solid human tumors as a measure of tumor hypoxia, Urtasun RC; Chapman JD; Raleigh JA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1263
- carbamoylation, inhibition of glutathione reductase and chemopotentiation of nitrosoureas by misonidazole, Mulcahy RT, *Int J Radiat Oncol Biol Phys* 1986; 12: 1393
- combined radiation-protective and radiation-sensitizing agents III: radiosensitization by misonidazole as a function of concentrations of endogenous glutathione or exogenous thiols, Koch CJ; Stobbe CC; Baer KA, *Int J Radiat Oncol Biol Phys* 1986; 12: 1151
- comparison of misonidazole sensitized radiation therapy to radiation therapy alone for the palliation of hepatic metastases: results of a radiation therapy oncology group randomized prospective trial, Leibel SA; Pajak TF; Massullo V; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1057
- comparison of the tumour concentrations obtainable with misonidazole and Ro 03-8799, Dische S; Saunders MI; Bennett MH; et al, *Br J Radiol* 1986; 59: 911
- concentrations achieved in human tumors after administration of misonidazole, SR-2508 and RO 03-8799, Dische S; Saunders MI; Dunphy EP; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1109
- cross-link formation and chemopotentiation of EMT-6/Ro cells exposed to MISO after CCNU treatment in vitro, Mulcahy RT, *Int J Radiat Oncol Biol Phys* 1986; 12: 1389
- decreased hypoxic toxicity and binding of misonidazole by low glucose concentration, Ling LL; Streffer C; Sutherland R, *Int J Radiat Oncol Biol Phys* 1986; 12: 1231
- DNA damage induced by reductively activated nitroimidazoles—pH effects, Edwards DJ; Knight RC; Zahoor A, *Int J Radiat Oncol Biol Phys* 1986; 12: 1207
- early results of the EORTC randomized clinical trial on multiple fractions per day (MFD) and misonidazole in advanced head and neck cancer, van den Bogaert W; van der Schueren E; Horiot J-C; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 587
- effect of misonidazole dose on survival in patients with stage IIIB-IVA squamous cell carcinoma of the uterine cervix: RTOG randomized trial, Bauer M; Leibel S; Wasserman T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1101
- effect of misonidazole on neurotransmitter systems, McNeill TH; Koek LL; Brown SA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1067
- effect of radiation-induced reduction of nitroimidazoles on biologically active DNA, Lafleur MVM; Pluijmakers-Westmijze EJ; Loman H, *Int J Radiat Oncol Biol Phys* 1986; 12: 1211
- effect of the radiosensitizer misonidazole and the radioprotector diethyldithiocarbamate on spontaneous metastasis formation of murine tumors, Milas L; Hunter N; Basic I; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1071
- enhancement in the aerobic toxicity of misonidazole and SR-2508 by buthionine sulfoximine and 4-hydroxypyrazole: role of hydrogen peroxide, Tuttle SW; Biaglow JE; Varnes ME; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1161
- failure of misonidazole-sensitized radiotherapy to impact upon outcome among stage III-IV squamous cancers of the head and neck, Fazekas J; Pajak TF; Wasserman T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1155
- hypoxia mediated binding of misonidazole in non-malignant tissue, Rasey JS; Hoffman JM; Spence AM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1255
- influence of misonidazole, SR-2508, RSU-1069 and WR-2721 on spontaneous metastases in C57BL mice, Kanczler A; Chapman JD, *Int J Radiat Oncol Biol Phys* 1988; 14: 309
- interstitial misonidazole: clinical experience in advanced head cancer, Sealy R; Cridland S; Blekkenhorst G; et al, *Clin Radiol* 1988; 39: 182
- in vitro binding of 14 C-misonidazole to hepatocytes and hepatoma cells, Van Oort RP; Chapman JD, *Int J Radiat Oncol Biol Phys* 1986; 12: 1251
- irradiation with misonidazole and hyperbaric oxygen: final report on a randomized trial in advanced head and neck cancer, Sealy R; Cridland S; Barry L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1343
- large fraction irradiation with or without misonidazole in advanced non-ov cell carcinoma of the lung: phase III randomized trial of the RTOG, Simpson JR; Bauer M; Wasserman TH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 861
- misonidazole and other hypoxia markers: metabolism and applications, Franko AJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1195
- misonidazole in fractionated radiotherapy of a murine mammary carcinoma: comparison of tumor and normal tissue response, Stone HB, *Int J Radiat Oncol Biol Phys* 1988; 14: 957
- misonidazole retention by normal tissues: distinction between label on the ring and side chain, Franko AJ; Carrecci BM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1259
- oxygen depletion in irradiated aqueous solutions containing electron affinic hypoxic cell radiosensitizers, Michaels HB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1055
- palliation of advanced pelvic malignant disease with large fraction pelvic radiation and misonidazole: final report of RTOG phase I/II study, Spanos WJ Jr; Wasserman T; Meoz R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1479
- partial hypoxia as a cause of radioresistance in a human tumor xenograft: its influence illustrated by the sensitizing effect of misonidazole and hyperbaric oxygen, Reynaud-Bougnoux A; Lespinaise F; Malaise EP; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1283
- phase I study of the combined hypoxic cell radiosensitizers, Ro 03-8799 and SR 2508: preliminary report of single-dose toxicity, pharmacokinetics and tumour concentrations, Newman HFV; Bleeher NM; Workman P, *Br J Radiol* 1986; 59: 423
- phase II trial of misonidazole (MISO) and cyclophosphamide (CYC) in metastatic renal cell carcinoma, Glover D; Trump D; Kwois L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1405
- potentiation of in vitro cytotoxic effects of misonidazole on human colon tumor cells by the differentiation-inducing agent N-methylformamide, Arundel CM; Leith JT; Lee ES; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1429
- production of strand breaks in DNA in the presence of the hydroxylamine of SR-2508 (1-[N-(2-hydroxyethyl)acetamido]-2-nitroimidazole) at neutral pH, Laderoute KR; Eryavec E; McClelland RA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1215
- radical radiation and oral and intra-vesical misonidazole for bladder cancer, Abratt RP; Barnes DR; Pontin AR; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1053
- radiosensitization in vitro and in vivo by 3-nitroimidazoles, Shibamoto Y; Sakano K; Kimura R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1063
- radiosensitizing effect of misonidazole in combination with an inhibitor of glutathione synthesis in murine tumors, Ono K; Komuro C; Nishidai T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1661
- radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors, Ono K; Komuro C; Nishidai T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1843
- radiotherapy with or without misonidazole for patients with stage IIIB or stage IVA squamous cell carcinoma of the uterine cervix: preliminary report of a radiation therapy oncology group randomized trial, Leibel S; Bauer M; Wasserman T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 541
- randomized comparison of misonidazole sensitized radiotherapy plus BCNU and radiotherapy plus BCNU for treatment of malignant glioma after surgery: final report of an RTOG study, Nelson DF; Diener-West M; Weinstein AS; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1793
- relationship between the misonidazole "pre-incubation" effect and misonidazole-induced depletion of cellular GSH, McNally NJ; de Ronde J; Minchinton AJ; et al, *Br J Radiol* 1987; 60: 96
- stable reduction product of misonidazole, Panucci R; McClelland RA; Rauth AM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1227
- studies of the toxicity of RSU-1069, Whitmore GF; Gulyas S, *Int J Radiat Oncol Biol Phys* 1986; 12: 1219

Misonidazole

synthesis and characterization of congeners of misonidazole for imaging hypoxia. Grunbaum Z; Freauff SJ; Krohn KA; et al. *J Nucl Med* 1987; 28: 68

Mitomycin C

enhancement of EMT-6/SF tumor cell killing by mitomycin C and cyclophosphamide following in vivo administration of buthionine sulfoximine. Ono K; Shrivie DC. *Int J Radiat Oncol Biol Phys* 1986; 12: 1175

intra-arterial injection of adriamycin/mitomycin C Lipiodol suspension in liver metastases. Kobayashi H; Inoue H; Shimada J; et al. *Acta Radiol* 1987; 28: 275

intra-arterial mitomycin C treatment of unresectable liver tumours: preliminary results on the effect of degradable starch microspheres. Starkhammar H; Håkansson L; Morales O; et al. *Acta Oncol* 1987; 26: 295

Mitral valve, CT

demonstration of mitral and aortic valves by ultrafast computed tomography. Rees MR; MacMillan RM; Fender B; et al. *CT* 1987; 11: 190

Mitral valve, prolapse

evidence for progression from mild to severe mitral regurgitation in mitral valve prolapse. (ab). Kolabash AJ Jr; Kilman JW; Bush CA; et al. *Radiology* 1987; 163: 589

frequency of complications of mitral valve prolapse in subjects aged 60 years and older. (ab). Naggar CZ; Pearson WN; Seljan MP; et al. *Radiology* 1987; 164: 292

reassessment of echocardiographic criteria for diagnosis of mitral valve prolapse. (ab). Krivokapich J; Child JS; Dadourian BJ; et al. *Radiology* 1988; 169: 293

usefulness of echocardiographically determined mitral leaflet motion for diagnosis of mitral valve prolapse in 17- and 18-year-old men. (ab). Kriwisky M; Fromm P; Gross M; et al. *Radiology* 1987; 165: 587

Mitral valve, prostheses

bioprosthetic mitral valve dysfunction following blunt chest trauma. (ab). Reinfeld HB; Agatston AS; Robinson MJ; et al. *Radiology* 1987; 162: 294

giant right atrium after mitral valve replacement: plain film findings in 15 patients. Rubin SA; Hightower CW; Flicker S. *AJR* 1987; 149: 257

strut fracture of a Björk-Shiley mitral valve prosthesis. Hayne LA; Schmidt R; Marglin SI. *AJR* 1987; 149: 699

Mitral valve, regurgitation

cinfluoroscopic evaluation of periprosthetic cardiac valve regurgitation. Green CE; Glass-Royal M; Bream PR; et al. *AJR* 1988; 151: 455

clinical comparison of mitral valve repair versus valve replacement in ischemic mitral regurgitation. (ab). Rankin JS; Feneley MP; Hickey MSJ; et al. *Radiology* 1988; 169: 884

duplex pulsed Doppler echocardiography in mitral regurgitation. Meyers DG; McCall D; Sears TD; et al. *JCU* 1986; 14: 117

evaluation of regurgitant fraction of the left ventricle by gated cardiac blood-pool scanning using SPECT. Ohtake T; Nishikawa J; Machida K; et al. *J Nucl Med* 1987; 28: 19

evidence for progression from mild to severe mitral regurgitation in mitral valve prolapse. (ab). Kolabash AJ Jr; Kilman JW; Bush CA; et al. *Radiology* 1987; 163: 589

predictability of mitral regurgitation detected by Doppler echocardiography in patients referred for cardiac transplantation. (ab). Strauss RH; Stevenson LW; Dadourian BA; et al. *Radiology* 1987; 165: 586

Mitral valve, stenosis

diagnostic accuracy of two-dimensional echocardiography for detection of left atrial thrombus in patients with mitral stenosis. Chiang C-W; Pang S-C; Lin F-C; et al. *J Ultrasound Med* 1987; 6: 525

percutaneous transarterial balloon valvuloplasty for mitral valve stenosis. (ab). Babic UU; Pejic P; Djuricic Z; et al. *Radiology* 1986; 161: 861

usefulness of Doppler echocardiography in the management of patients with mitral stenosis during pregnancy. Moro E; Roelandt J; Geuskens R; et al. *JCU* 1988; 16: 114

usefulness of radionuclide angiography in predicting stenotic mitral orifice area. (ab). Burns RJ; Armitage DL; Fountas PN; et al. *Radiology* 1987; 164: 293

Mitral valve, surgery

bar calcification of the mitral annulus: a risk factor in mitral valve operations. (ab). Cammack PL; Edie RN; Edmunds LH Jr. *Radiology* 1988; 168: 589

clinical comparison of mitral valve repair versus valve replacement in ischemic mitral regurgitation. (ab). Rankin JS; Feneley MP; Hickey MSJ; et al. *Radiology* 1988; 169: 884

long-term results of mitral valve surgery in patients with severe pulmonary hypertension. (ab). Camarà ML; Aris A; Padró JM; et al. *Radiology* 1988; 168: 589

percutaneous transarterial balloon valvuloplasty for mitral valve stenosis. (ab). Babic UU; Pejic P; Djuricic Z; et al. *Radiology* 1986; 161: 861

Mitral valve, US studies

duplex pulsed Doppler echocardiography in mitral regurgitation. Meyers DG; McCall D; Sears TD; et al. *JCU* 1986; 14: 117

predictability of mitral regurgitation detected by Doppler echocardiography in patients referred for cardiac transplantation. (ab). Strauss RH; Stevenson LW; Dadourian BA; et al. *Radiology* 1987; 165: 586

reassessment of echocardiographic criteria for diagnosis of mitral valve prolapse. (ab). Krivokapich J; Child JS; Dadourian BJ; et al. *Radiology* 1988; 169: 293

usefulness of Doppler echocardiography in the management of patients with mitral stenosis during pregnancy. Moro E; Roelandt J; Geuskens R; et al. *JCU* 1988; 16: 114

usefulness of echocardiographically determined mitral leaflet motion for diagnosis of mitral valve prolapse in 17- and 18-year-old men. (ab). Kriwisky M; Fromm P; Gross M; et al. *Radiology* 1987; 165: 587

Model, anatomical

high-flow-rate arteriovenous malformation model for simulated therapeutic embolization. Bartynski WS; O'Reilly GV; Forrest MD. *Radiology* 1988; 167: 419

Mongolism

See Down syndrome

Monoclonal antibodies

acute myocardial infarct imaging with indium-111-labeled monoclonal antityrosin Fab. Khaw BA; Yasuda T; Gold HK; et al. *J Nucl Med* 1987; 28: 1671

anti-antibody enhancement of iodine-131 anti-CEA radioimmunoassay in experimental and clinical studies. Goldenberg DM; Sharkey RM; Ford E. *J Nucl Med* 1987; 28: 1604

antibody-guided radiolocalisation of tumours in patients with testicular or ovarian cancer using two radiolabelled monoclonal antibodies to placental alkaline phosphatase. Epenetos AA; Carr D; Johnson PM; et al. *Br J Radiol* 1986; 59: 117

biodistribution studies of anti-Thy 1.2 IgM immunoconjugates: implications for radioimmunotherapy. Macklis RM; Kaplan WD; Ferrara JLM; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 383

breast cancer imaging with In-111 human IgM monoclonal antibodies: preliminary studies. Ryan KP; Dillman RO; DeNardo SJ; DeNardo GL; Beauregard J; Hagan PL; Amox DG; Clutter ML; Burnett KG; Rulot CM; Sobol RE; Abramson I; Bartholomew RK; Frincke JM; Birdwell CR; Carlo DJ; O'Grady LF; Halpern SE. *Radiology* 1988; 167: 71

changes in T-cell subsets after radiation therapy. Yang S-J; Rafia S; Youssef E; Selim H; Salloun N; Chuang JY. *Radiology* 1988; 168: 537

clinical parameters related to optimal tumor localization of indium-111-labeled mouse antimalenoma monoclonal antibody ZME-018. Murray JL; Rosenblum MG; Lamki L; et al. *J Nucl Med* 1987; 28: 25

colorectal carcinoma: detection with indium-111 antineoplastic antigen-antigen monoclonal antibody ZCE-025. Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW. *Radiology* 1987; 164: 617

colorectal tumors: scintigraphy with In-111 anti-CEA monoclonal antibody and correlation with surgical, histopathologic, and immunohistochemical findings. Abdel-Nabi HH; Schwartz AN; Goldfogel G; Orntman-Nabi JA; Matsuoka DM; Unger MW; Wechter DG. *Radiology* 1988; 166: 747

comparative serum stability of radiolabels for antibody radiopharmaceuticals. Cole WC; DeNardo SJ; Meares CF; et al. *J Nucl Med* 1987; 28: 83

comparison of gallium-67 versus indium-111 monoclonal antibody (96.5, ZME-018) in detection of human melanoma in athymic mice. Chan SM; Hoffer PB; Maric N; et al. *J Nucl Med* 1987; 28: 1441

considerations for tomographic imaging of monoclonal antibodies. Spies SM; Zimmer AM; Spies WG; et al. *Semin Nucl Med* 1987; 17: 267

contribution of SPECT to imaging of gastrointestinal adenocarcinoma with ¹¹¹In-labeled anti-CEA monoclonal antibody. Kramer EL; Sanger JJ; Walsh C; et al. *AJR* 1988; 151: 697

Copper-67-labeled monoclonal antibody Lym-1, a potential radiopharmaceutical for cancer therapy: labeling and biodistribution in RAJI tumored mice. Deshpande SV; DeNardo SJ; Meares CF; et al. *J Nucl Med* 1988; 29: 217

detection of specific anti-antibodies in patients treated with radiolabeled antibody. Klein JL; Sandoz JW; Kopher KA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 939

diagnostic distinction between malignant mesothelioma of the pleura and adenocarcinoma of the lung as defined by a monoclonal antibody (B72.3). (ab). Szpak CA; Johnston WW; Roggli V; et al. *Radiology* 1986; 160: 371

diagnostic imaging of human neuroblastoma with radiolabeled antibody. Miraldi FD; Nelson AD; Kraly C; Ellery S; Landmeier B; Coccia PF; Strandjord SE; Cheung N-KV. *Radiology* 1986; 161: 413

differences in experimental tumor localization of dual-labeled monoclonal antibody. Khaw BA; Cooney J; Edgington T; et al. *J Nucl Med* 1986; 27: 1293

dosimetric aspects of radiolabeled antibodies for tumor therapy. Humm JL. *J Nucl Med* 1986; 27: 1490

dynamic variable background subtraction: simple means of displaying radiolabeled monoclonal antibody scintigrams. Wahl RL; Tuscan MC; Botti JM. *J Nucl Med* 1986; 27: 545

effect of antibody dose on the imaging and biodistribution of indium-111 9.2.2 anti-melanoma monoclonal antibody. Carrasquillo JA; Abrams PG; Schroff RW; et al. *J Nucl Med* 1988; 29: 39

effect of chelating agents on the distribution of monoclonal antibodies in mice. Ward MC; Roberts KR; Westwood JH; et al. *J Nucl Med* 1986; 27: 1746

enhanced uptake of intra-arterially injected anti-CEA monoclonal antibodies in human colonic cancer after mannitol infusion in an experimental model. Ahlström H; Carlsson L; Hedin A; et al. *Acta Oncol* 1987; 26: 453

evaluation of indium-111-labeled anti-fibrin antibody for imaging vascular thrombi. Knight LC; Maurer AH; Ammar IA; et al. *J Nucl Med* 1988; 29: 494

experimental model for pharmacokinetic studies of monoclonal antibodies in human colonic cancer. Ahlström H; Carlsson L; Hedin A; et al. *Acta Oncol* 1987; 26: 447

high efficiency iodination of monoclonal antibodies for radiotherapy. Mather SJ; Ward BG. *J Nucl Med* 1987; 28: 1034

human leukemia cell binding and killing by anti-CD5 radioimmunoconjugates. Buchsbaum DJ; Nelson LA; Hanna DE; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1701

imaging fresh venous thrombi in the dog with I-131 and In-111 labeled fibrin-specific monoclonal antibody and Fab₂ fragments. Grossman ZD; Rosebrough SF; McAfee JG; Subramanian G; Ritter-Hercik CA; Witkowski LS; Tillapough-Fay G; Urrutia E. *Radiographics* 1987; 7: 913

- imaging of bone tumors using a monoclonal antibody raised against human osteosarcoma, (ab), Armitage NC; Perkins AC; Pimm MV; et al, *Radiology* 1987; 162: 294
- immunolymphoscintigraphy in patients with lymphoma after subcutaneous injection of indium-111-labeled T101 monoclonal antibody, Keenan AM; Weinstein JN; Mulshine JL; et al, *J Nucl Med* 1987; 28: 42
- immunoreactivity assay for labeled anti-melanoma monoclonal antibodies, Beaumier PL; Neuzil D; Yang HM; et al, *J Nucl Med* 1986; 27: 824
- immunoscintigraphy of recurrences of gynecologic carcinomas, Chatal J-F; Fumoleau P; Saccavini J-C; et al, *J Nucl Med* 1987; 28: 1807
- improved immune-specificity in monoclonal radioimmunodiagnosis using dual radionuclide color functional maps, Engelstad BL; Ramos EC; Stoudemire J; et al, *Invest Radiol* 1986; 21: 917
- improved radioimmunodiagnosis of human tumor xenografts by a mixture of monoclonal antibody F(ab')₂ fragments, Munz DL; Alavi A; Kopravski H; et al, *J Nucl Med* 1986; 27: 1739
- indium-111 T101 monoclonal antibody is superior to iodine-131 T101 in imaging of cutaneous T-cell lymphoma, Carrasquillo JA; Mulshine JL; Bunn PA Jr; et al, *J Nucl Med* 1987; 28: 281
- inhibition of gallium-67 uptake in melanoma by an anti-human transferrin receptor monoclonal antibody, Chan SM; Hoffer PE; Maric N; et al, *J Nucl Med* 1987; 28: 1303
- intrapatient and interpatient comparison of tumor size and monoclonal antibody uptake in melanoma, Cornelius EA; Neumann RD; Zoghbi SS; et al, *Clin Nucl Med* 1988; 13: 243
- iodination of monoclonal antibodies for diagnosis and radiotherapy using a convenient one vial method, Haisma HJ; Hilgers J; Zurawski VR Jr; *J Nucl Med* 1986; 27: 1890
- isotopic immunotherapy: radiolabeled antibody, Order SE, *Int J Radiat Oncol Biol Phys* 1988; 14: 577
- kinetics of interstitially administered monoclonal antibodies for purposes of lymphoscintigraphy, Wahl RL; Geatti O; Liebert M; et al, *J Nucl Med* 1987; 28: 1736
- limitations to the killing of tumours using radiolabeled antibodies, Vaughan ATM; Anderson P; Dykes PW; et al, *Br J Radiol* 1987; 60: 567
- localization of human osteogenic sarcoma xenografts in nude mice by a monoclonal antibody labeled with radioiodine and indium-111, Sakahara H; Endo K; Nakashima T; et al, *J Nucl Med* 1987; 28: 342
- localization of radioiodinated monoclonal antibody in colorectal cancer: initial dosimetry results, (ab), Cohen KH; Welt S; Banner WP; et al, *Radiology* 1988; 167: 882
- lymphoma, melanoma, colon cancer: diagnosis and treatment with radiolabeled monoclonal antibodies, the 1986 Eugene P. Pendergrass New Horizons Lecture, Larson SM, *Radiology* 1987; 165: 297
- metastatic colon cancer: correlation of oxygen levels with I-131 F(ab')₂ uptake, Gatenby RA; Moldofsky P; Weiner LM, *Radiology* 1988; 166: 757
- method for thresholding subtracted images in radiolabeled-antibody imaging, Chandler ST; Anderson P, *Br J Radiol* 1987; 60: 881
- methods for the study of the metabolism of radiolabeled monoclonal antibodies by liver and tumor, Sands H; Jones PL, *J Nucl Med* 1987; 28: 390
- microdosimetric model of astatine-211 labeled antibodies for radioimmunotherapy, Humm JL, *Int J Radiat Oncol Biol Phys* 1987; 13: 167
- miniature thermoluminescent dosimeter absorbed dose measurements in tumor phantom models, Wesels BW; Griffith MH, *J Nucl Med* 1986; 27: 1308
- monoclonal antibodies detect occult breast carcinoma metastases in the bone marrow of patients with early stage disease, (ab), Cote RJ; Rosen PB; Hakes TB; et al, *Radiology* 1988; 168: 887
- monoclonal antibodies labeled with polymeric paramagnetic ion chelates, Shreve P; Aisen AM, *Magn Res Med* 1986; 3: 336
- monoclonal antibody B72.3 as a diagnostic adjunct in fine-needle aspirates of breast masses, (ab), Lundy J; Lozowski M; Mishriki Y, *Radiology* 1986; 161: 283
- multicompartmental analysis of the kinetics of radioiodinated monoclonal antibody in patients with cancer, Koizumi K; DeNardo GL; DeNardo SJ; et al, *J Nucl Med* 1986; 27: 1243
- new method for the chelation of indium-111 to monoclonal antibodies: biodistribution and imaging of athymic mice bearing human colon carcinoma xenografts, Esteban JM; Schlom J; Gansow OA; et al, *J Nucl Med* 1987; 28: 861
- nuclear magnetic resonance and gamma camera tumor imaging using gadolinium-labeled monoclonal antibodies, Anderson-Berg WT; Strand M; Lempert TE; et al, *J Nucl Med* 1986; 27: 829
- ocular radioimmunoscintigraphy: sensitivity and practical considerations, Bomanji J; Nimmon CC; Hungerford JL; et al, *J Nucl Med* 1988; 29: 1031
- patient biodistribution of intraperitoneally administered yttrium-90-labeled antibody, Hnatowich DJ; Chinol M; Siebeck DA; et al, *J Nucl Med* 1988; 29: 1428
- perfusion of tumor-bearing kidneys as a model for scintigraphic screening of monoclonal antibodies, van Dijk J; Oosterwijk E; van Kroonenburgh MJP; et al, *J Nucl Med* 1988; 29: 1078
- peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman M; Schlom J; Larson SM, *Radiology* 1988; 167: 35
- phase I immunolymphoscintigraphy with an In-111-labeled anti-melanoma monoclonal antibody, Engelstad BL; Spitzer LE; Del Rio MJ; Ramos EC; Rosendorf LL; Reinhold CE; Khenigian A; Huberty JP; Corpuz SW; Lee HM; Okerlund MD; Hattner RS; Schanon PJ, *Radiology* 1986; 161: 419
- preliminary studies of monoclonal antibody lymphoscintigraphy in malignant melanoma, Nelp WB; Eary JF; Jones RF; et al, *J Nucl Med* 1987; 28: 34
- preparation and immunoreactivity of high specific activity indium-111-DTPA labeled monoclonal antibody (MoAb) using ultrapur indium-111, Zoghbi SS; Neumann RD; Gottschalk A, *Invest Radiol* 1986; 21: 788
- prospects for radiolabeled monoclonal antibodies in metastatic disease, Raventos A; DeNardo SJ; DeNardo G, *J Thorac Imag* 1987; 2: 44
- radioimmunodetection of human melanoma with indium-111-labeled monoclonal antibody, Taylor A Jr; Milton W; Eyre H; et al, *J Nucl Med* 1988; 29: 329
- radioimmunodiagnosis through imaging: prospects for tumor imaging using labeled monoclonal antibodies, Alazraki NP; Taylor AT Jr, *Invest Radiol* 1988; 23: 414
- radioimmunodiagnosis of experimental thrombi in dogs using technetium-99m-labeled monoclonal antibody fragments reactive with human platelets, Som P; Oster ZH; Zamora PO; et al, *J Nucl Med* 1986; 27: 1315
- radioimmunological imaging of metastatic prostatic cancer with ¹¹¹indium-labeled monoclonal antibody PAY 276, (ab), Babaian RJ; Murray JL; Lamki LM; et al, *Radiology* 1987; 164: 883
- radioimmunoscintigraphy of colon cancer with iodine-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; et al, *J Nucl Med* 1988; 29: 1022
- radioimmunotherapy of patients with cutaneous T-cell lymphoma using an iodine-131-labeled monoclonal antibody: analysis of retreatment following plasmapheresis, Zimmer AM; Rosen ST; Spies SM; et al, *J Nucl Med* 1988; 29: 174
- relationship between in vivo binding activity and in vivo tumor accumulation of radiolabeled monoclonal antibodies, Sakahara H; Endo K; Koizumi M; et al, *J Nucl Med* 1988; 29: 235
- scintigraphy with In-111-labeled monoclonal antitumor antibodies: kinetics, biodistribution, and tumor detection, Halpern SE; Haindl W; Beauregard J; Hagan P; Clutter M; Amos D; Merchant B; Unger M; Mongovi C; Bartholomew R; Jue R; Carlo D; Dillman R, *Radiology* 1988; 168: 529
- semiquantitative in vitro binding assay of indium-111-labeled monoclonal antibodies to human cancer and normal tissues, Watanabe Y; Endo K; Koizumi M; et al, *J Nucl Med* 1988; 29: 1436
- specific and nonspecific imaging of localized Fisher immunotype I *Pseudomonas aeruginosa* infection with radiolabeled monoclonal antibody, Rubin RH; Young LS; Hansen WP; et al, *J Nucl Med* 1988; 29: 651
- targeting of ganglioside G_{M2} monoclonal antibody to neuroblastoma, Cheung N-KV; Neely JE; Landmeier B; et al, *J Nucl Med* 1987; 28: 1577
- technetium-99m-labeled monoclonal antibody with preserved immunoreactivity and high in vivo stability, Arano Y; Yokoyama A; Furukawa T; et al, *J Nucl Med* 1987; 28: 1027
- technetium-99m labeling of murine monoclonal antibody fragments, Rhodes BA; Zamora PO; Newell KD; et al, *J Nucl Med* 1986; 27: 685
- therapeutic and diagnostic uses of modified monoclonal antibodies, Brady LW; Woo DV; Heindel ND; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1535
- thrombus imaging with indium-111 and iodine-131-labeled fibrin-specific monoclonal antibody and its F(ab')₂ and Fab fragments, Rosebrough SF; Grossman ZD; McAfee JG; et al, *J Nucl Med* 1988; 29: 1212
- tumor size: effect on monoclonal antibody uptake in tumor models, Hagan PL; Halpern SE; Dillman RO; et al, *J Nucl Med* 1986; 27: 422
- use of a monoclonal antibody (B72.3) as a novel immunohistochemical adjunct for the diagnosis of carcinomas in fine needle aspiration biopsy specimens, (ab), Johnston WW; Szpak KA; Lottich SC; et al, *Radiology* 1986; 161: 864
- use of monoclonal antiestrogen receptor antibody to evaluate estrogen receptor content in fine-needle aspiration breast biopsies, (ab), Flowers JL; Burton GV; Cox EB; et al, *Radiology* 1986; 160: 857
- visualization of metastases from colon carcinoma using an iodine-131-radiolabeled monoclonal antibody, (ab), Leyden MJ; Thompson CH; Lichtenstein M; et al, *Radiology* 1986; 161: 282
- Mononucleosis, infectious**
- differentiation of mononucleosis from hepatitis by sonographic measurement of spleen size, Ishibashi H; Okumura Y; Higuchi N; et al, *JCU* 1987; 13: 313
- gallbladder wall thickening in the elderly woman with infectious mononucleosis, Hammond DI; MacLean RS, *JCU* 1987; 13: 558
- Mononucleosis**
- mononucleosis infusion and stone removal through the transparenchymal tract: use in 17 patients, Haskin PH; Teplick SK; Sammon JK; et al, *AJR* 1987; 148: 185
- Morphine**
- enlarged common hepatic duct secondary to morphine in a neonate, Schlesinger AE; Null DM, *Pediatr Radiol* 1988; 18: 235
- hepatobiliary imaging and the use of intravenous morphine, Keslar PJ; Turbner EH, *Clin Nucl Med* 1987; 12: 592
- morphine-augmented cholecystigraphy in the diagnosis of acute cholecystitis, Kim EE; Pijra GA; Lowry PA; et al, *AJR* 1986; 147: 1177
- Morquio syndrome**
- See Bones, primary metabolic abnormalities
- Mouth, CT**
- CT in the evaluation of the normal and diseased oral cavity and oropharynx, Hardin CW; Harnsberger HR; Osborn AG; et al, *Semin US CT MR* 1986; 7: 131
- Mouth, cysts**
- plunging ranula: CT diagnosis, Charnoff SK; Carter BL, *Radiology* 1986; 158: 467
- ranulas and their mimics: CT evaluation, Coit WE; Harnsberger HR; Osborn AG; Smoker WRK; Stevens MH; Lufkin RB, *Radiology* 1987; 163: 211

Mouth, MR studies

- dental material artifacts on MR images, Hinshaw DB Jr; Holshouser BA; Engstrom HIM; Tjan AHL; Christiansen EL; Catelli WF, *Radiology* 1988; 166: 777
- magnetic resonance imaging versus computed tomography: comparison in imaging oral cavity and pharyngeal carcinomas, (ab), Schaefer SD; Maravilla KR; Suss RA; et al, *Radiology* 1986; 160: 860
- tongue and oropharynx: findings on MR imaging, Lufkin RB; Wortham DG; Dietrich RB; Hoover LA; Larsson SG; Kangaroo H; Hanseef WN, *Radiology* 1986; 161: 69
- Mouth, neoplasms**
- advanced head and neck cancer: response to and toxicity of multimodality therapy, Chang H; Leone LA; Tefft M; Nigri PT, *Radiology* 1988; 168: 863
- definitive radiation treatment for early stage carcinoma of the soft palate and uvula: the indications for iridium 192 implantation, Mazoner J-J; Marinello G; Crook J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1829
- interstitial misondazole: clinical experience in advanced mouth cancer, Sealy R; Cridland S; Blekenhorst G; et al, *Clin Radiol* 1988; 39: 182
- magnetic resonance imaging versus computed tomography: comparison in imaging oral cavity and pharyngeal carcinomas, (ab), Schaefer SD; Maravilla KR; Suss RA; et al, *Radiology* 1986; 160: 860
- preoperative irradiation in oral cavity carcinoma: a study with special reference to DNA pattern, histological response and prognosis, Franzén G; Olofsson J; Tytor M; et al, *Acta Oncol* 1987; 26: 349
- results of irradiation in the squamous cell carcinomas of the anterior faucial pillar-retromolar trigone, Lo K; Fletcher GH; Byers RM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 969
- salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5-year results of 70 cases, Mazoner J-J; Langlois D; Glaubiger D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 957
- Mouth, radiography**
- dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients, Zeichner SJ; Ruttmann UE; Webber RL, *Radiology* 1987; 162: 691
- Mouth, therapeutic radiology**
- brachytherapy of tumour recurrences in the region of the pharynx and oral cavity by means of a remote-controlled afterloading technique, Bauer M; Schulz-Wendlandt R; Fritz P; et al, *Br J Radiol* 1987; 60: 477
- comparative review of the Hammersmith (1971-75) and Edinburgh (1977-82) neutron therapy trials of certain cancers of the oral cavity, oropharynx, larynx and hypopharynx, Medical Research Council Neutron Therapy Working Group, *Br J Radiol* 1986; 59: 429
- definitive radiation treatment for early stage carcinoma of the soft palate and uvula: the indications for iridium 192 implantation, Mazoner J-J; Marinello G; Crook J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1829
- interstitial and external radiotherapy in carcinoma of the soft palate and uvula, Esche BA; Haie CM; Gerbaulet AP; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 619
- post-operative radiotherapy in the management of advanced intra-oral cancers, Robertson AG; McGregor IA; Soutar DS; et al, *Clin Radiol* 1986; 37: 173
- preoperative irradiation in oral cavity carcinoma: a study with special reference to DNA pattern, histological response and prognosis, Franzén G; Olofsson J; Tytor M; et al, *Acta Oncol* 1987; 26: 349
- results of irradiation in the squamous cell carcinomas of the anterior faucial pillar-retromolar trigone, Lo K; Fletcher GH; Byers RM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 969
- salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5-year results of 70 cases, Mazoner J-J; Langlois D; Glaubiger D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 957

Mouth, US studies

- sonography of the tongue and floor of mouth. part I: anatomy, Neuhold A; Fruhwald F; Balogh B; et al, *Eur J Radiol* 1986; 6: 103
- sonography of the tongue and floor of mouth. part II: neoplasms of the tongue, Fruhwald F; Neuhold A; Seidl G; et al, *Eur J Radiol* 1986; 6: 108
- Mucormycosis**
- cerebral mucormycosis: a case report, Narang AK; Dina TS, *Comput Med Imag Graph* 1988; 12: 259
- isolated cerebral mucormycosis: case report with CT and pathologic correlation, Ginsberg F; Peyster RG; Hoover ED; et al, *AJNR* 1987; 8: 558
- Multiple sclerosis**
- See Sclerosis, multiple
- Muscles**
- See also Soft tissues
- acute tubular necrosis secondary to rhabdomyolysis with complete absence of renal perfusion, Pham DH; Ash JM; Gilday DL; et al, *Clin Nucl Med* 1987; 12: 445
- blood-flow measurement in muscle with Xe-133, Chung SY; Kim I; Ryo UY; Maskin C; Pinsky S, *Radiology* 1987; 165: 571
- Rhabdomyolysis and renal failure in child abuse, Mukherji SK; Siegel MJ, *AJR* 1987; 148: 1203
- rhabdomyolysis: computed tomography findings, Barloon TJ; Zachar CK; Harkens KL; et al, *CT* 1988; 12: 193
- sonographic diagnosis of rhabdomyolysis, Fornage BD; Nerot C, *JCU* 1986; 14: 389
- technetium-99m pyrophosphate imaging in acute renal failure associated with nontraumatic rhabdomyolysis, Patel R; Mishkin FS, *AJR* 1986; 147: 815
- Muscles, abnormalities**
- anatomic variations of the accessory soleus muscle, Lorentzon R; Wirell S, *Acta Radiol* 1987; 28: 627
- anomalies of digastric muscles: CT and MR demonstration, Larsson SG; Lufkin RB, *JCAT* 1987; 11: 422
- case report 376, Apple JS; Martinez S; Khoury MB; et al, *Skeletal Radiol* 1986; 15: 398
- computed tomography scanning in the evaluation of ocular motility disorders, Miller MT; Mafee MF, *Radiol Clin North Am* 1987; 25: 733
- CT demonstration of extraocular muscle atrophy, Hansman ML; Peyster RG; Heiman-Patterson T; et al, *JCAT* 1988; 12: 49
- magnetic resonance imaging appearance of supernumerary soleus muscle, Pettersson H; Giovannetti M; Gillespy T III; et al, *Eur J Radiol* 1987; 7: 149
- review of iliopsoas anatomy and pathology, Van Dyke JA; Holley HC; Anderson SD, *Radiographics* 1987; 7: 53
- Muscles, abscess**
- double-sided psoas abscess in a young infant: sonographic and radiographic findings, Schut JM; Meradji M; Oranje AP; et al, *Pediatr Radiol* 1988; 18: 176
- gadolinium-DTPA enhanced MR imaging of intramuscular abscesses, Paajanen H; Grodd W; Revel D; et al, *Magn Res Imag* 1987; 5: 109
- gallium-67 studies in a patient with multiple muscular abscesses, Bouvier JF; Bocquet B; Lahneche BE, *Clin Nucl Med* 1986; 11: 807
- iliopsoas abscess in an immunocompromised patient, Larson DC; Nguyen DL; Raftery RG; et al, *Clin Nucl Med* 1988; 13: 682
- magnetic resonance imaging in the diagnosis of a psoas abscess, Stern JJ; Stoopack PM, *CT* 1988; 12: 79
- non-tuberculous psoas abscess, Williams MP, *Clin Radiol* 1986; 37: 253
- percutaneous drainage of iliopsoas abscess in Crohn's disease, Millward SF; Ramsewak W; Fitzsimons PJ; et al, *Gastrointest Radiol* 1986; 11: 289
- psoas abscess demonstrated by CT as the first evidence of carcinoma of the colon, Llauger J; Pérez C; Andreu J; et al, *Comput Radiol* 1987; 11: 259
- Muscles, CT**
- anatomy of the abductor muscles of the hip as studied by computed tomography, (ab), Clark JM; Haynor DR, *Radiology* 1988; 167: 589

- anomalies of digastric muscles: CT and MR demonstration, Larsson SG; Lufkin RB, *JCAT* 1987; 11: 422
- comparison of MR imaging and CT in the evaluation of musculoskeletal masses, Wetzel LH; Levine E; Murphy MD, *Radiographics* 1987; 7: 851
- computed tomography in acute alcoholic myopathy, Grau A; Pomes J; Davalos A; et al, *CT* 1988; 12: 161
- computed tomography in the assessment of myonecrosis, Farmlett EJ; Fishman EK; Magid D; et al, *J Canad Assoc Radiol* 1987; 38: 278
- computed tomography scanning in the evaluation of ocular motility disorders, Miller MT; Mafee MF, *Radiol Clin North Am* 1987; 25: 733
- CT and the diagnosis of myopathies: preliminary findings in 42 cases, Calo M; Crisi G; Martinelli C; et al, *Neuroradiol* 1986; 28: 53
- CT demonstration of extraocular muscle atrophy, Hansman ML; Peyster RG; Heiman-Patterson T; et al, *JCAT* 1988; 12: 49
- CT detection of skeletal muscle metastases, Schultz SR; Bree RL; Sghwab RE; et al, *JCAT* 1986; 10: 81
- muscle necrosis: computed tomography appearance, (ab), Franze I; Goebel N; Stuckmann G, *Radiology* 1986; 160: 286
- perspective: three-dimensional imaging of the musculoskeletal system, Pate D; Resnick D; Andre M; et al, *AJR* 1986; 147: 545
- precise determination of paraspinal musculature by quantitative CT, Steiger P; Block JE; Friedlander A; et al, *JCAT* 1988; 12: 616
- rhabdomyolysis: computed tomography findings, Barloon TJ; Zachar CK; Harkens KL; et al, *CT* 1988; 12: 193
- soft-tissue masses of the locomotor system: comparison of MR imaging with CT, Petasnick JP; Turner DA; Charters JR; Gitelis S; Zacharias CE, *Radiology* 1986; 160: 125
- three-dimensional imaging and display of musculoskeletal anatomy, Fishman EK; Magid D; Ney DR; et al, *JCAT* 1988; 12: 465
- Muscles, diseases**
- amyloidosis and plasma cell dyscrasias of the musculoskeletal system, Subbarao K; Jacobson HG, *Semin Roentgenol* 1986; 21: 139
- assessment of quadriceps femoris muscle atrophy and hypertrophy in neuromuscular disease in children, Heckmatt JZ; Pier N; Dubowitz V, *JCU* 1988; 16: 177
- computed tomography and angiography in MELAS (mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes): report of 3 cases, Hasuo K; Tamura S; Yasumori K; et al, *Neuroradiol* 1987; 29: 393
- computed tomography in acute alcoholic myopathy, Grau A; Pomes J; Davalos A; et al, *CT* 1988; 12: 161
- CT and the diagnosis of myopathies: preliminary findings in 42 cases, Calo M; Crisi G; Martinelli C; et al, *Neuroradiol* 1986; 28: 53
- magnetic resonance imaging examination of denervated muscle, Shabas D; Gerard G; Rossi D, *Comput Radiol* 1987; 11: 9
- magnetic resonance imaging of children with Duchenne muscular dystrophy, Schreiber A; Smith WL; Ionasescu V; et al, *Pediatr Radiol* 1987; 17: 495
- MR imaging of rhabdomyolysis, Zagoria RJ; Karstaedt N; Koubek TD, *JCAT* 1986; 10: 268
- MRI of normal and pathologic skeletal muscle, Murphy WA; Toity WG; Carroll JE, *AJR* 1986; 146: 565
- Muscles, hemorrhage**
- sonographic localization of hematomas in hemophilic patients with positive iliopsoas sign, Graif M; Martinovitz U; Strauss S; et al, *AJR* 1987; 148: 121
- Muscles, hypertrophy**
- congenital hemihypertrophy with adrenal adenoma and medullary sponge kidney, Tomooka Y; Onitsuka H; Goya T; et al, *Br J Radiol* 1988; 61: 851
- iliopsoas hypertrophy mimicking acute abdomen in a bodybuilder, Zeiss J; Smith RR; Taha AM, *Gastrointest Radiol* 1987; 12: 340

- optic nerve dysfunction in thyroid eye disease: CT, Barrett L; Glatt HJ; Burde RM; Gado MH, Radiology 1988; 167: 503
- ultrasonographic and computed tomographic diagnosis of benign masseteric hypertrophy, Tauber T; Starinsky R; Varsano D, Pediatr Radiol 1986; 16: 238
- Muscles, iliopsoas**
- iliopsoas abscess in an immunocompromised patient, Larson DC; Nguyen DL; Raftery RG; et al, Clin Nucl Med 1988; 13: 682
- iliopsoas hypertrophy mimicking acute abdomen in a bodybuilder, Zeiss J; Smith RR; Taha AM, Gastrointest Radiol 1987; 12: 340
- percutaneous drainage of iliopsoas abscess in Crohn's disease, Millward SF; Ramsewak W; Fitzsimons PJ; et al, Gastrointest Radiol 1986; 11: 289
- review of iliopsoas anatomy and pathology, Van Dyke JA; Holley HC; Anderson SD, Radiographics 1987; 7: 53
- sonographic localization of hematomas in hemophilic patients with positive iliopsoas sign, Graif M; Martinovitz U; Strauss S; et al, AJR 1987; 148: 121
- Muscles, inflammation**
- See Myositis
- Muscles, injuries**
- healing of a muscle trauma. correlation of sonographical and histological findings in an experimental study in rats, Lehto M; Alanen A, J Ultrasound Med 1987; 6: 425
- magnetic resonance imaging of musculoskeletal trauma, Ehman RL; Berquist TH, Radiol Clin North Am 1986; 24: 291
- MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, Radiology 1988; 169: 281
- MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, Radiology 1988; 169: 282
- MR imaging of rhabdomyolysis, Zagoria RJ; Karstaedt N; Koubek TD, JCAT 1986; 10: 268
- MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, Radiology 1988; 166: 313
- Muscles, masseter**
- MR imaging of a lymphangioma involving the masseter muscle, Chisn R; Fabian R; Weber AL; et al, JCAT 1988; 12: 690
- ultrasonographic and computed tomographic diagnosis of benign masseteric hypertrophy, Tauber T; Starinsky R; Varsano D, Pediatr Radiol 1986; 16: 238
- Muscles, MR studies**
- acute effects of exercise on MR imaging of skeletal muscle in normal volunteers, Fleckenstein JL; Canby RC; Parkey RW; et al, AJR 1988; 151: 231
- anomalies of digastric muscles: CT and MR demonstration, Larsson SG; Lufkin RB, JCAT 1987; 11: 422
- artifacts, normal variants, and imaging pitfalls of musculoskeletal magnetic resonance imaging, Richardson ML; Helms CA, Radiol Clin North Am 1986; 24: 145
- changes in nuclear magnetic resonance (T_2) relaxation of limb tissue with bed rest, LeBlanc AD; Evans HJ; Schonfeld E; et al, Magn Res Med 1987; 4: 487
- comparison of MR imaging and CT in the evaluation of musculoskeletal masses, Wetzel LH; Levine E; Murphy MD, Radiographics 1987; 7: 851
- developmental changes in proton magnetic resonance relaxation times of cardiac and skeletal muscle, Fried R; Jolesz FA; Lorenzo AV; et al, Invest Radiol 1988; 23: 289
- energetics of human muscle: exercise-induced ATP depletion, Taylor DJ; Styles P; Matthews PM; et al, Magn Res Med 1986; 3: 44
- gadolinium-DTPA enhanced MR imaging of intramuscular abscesses, Paajanen H; Grodd W; Revel D; et al, Magn Res Med 1987; 5: 109
- hemangiomas of skeletal muscle: MR findings in five patients, Yuh WTC; Kathol MH; Sein MA; et al, AJR 1987; 149: 765
- increased MR signal intensity in skeletal muscle adjacent to malignant tumors: pathologic correlation and clinical relevance, Beltran J; Simon DC; Katz W; Weis LD, Radiology 1987; 162: 251
- infiltrating angiolipoma of skeletal muscle: MR findings, Bolen JW Jr; de Lange EE; Frierson HF Jr, JCAT 1988; 12: 681
- in vivo H-1 spectroscopy in humans at 1.5 T, Bárány M; Langer BG; Glick RP; Venkatasubramanian PN; Wilbur AC; Spigos DG, Radiology 1988; 167: 839
- in vivo ^1H spectroscopic studies of human gastrocnemius muscle at 1.5 T, Narayana PA; Hazle JD; Jackson EF; et al, Magn Res Med 1988; 6: 481
- in vivo MR spectroscopy of human subjects with a 1.4-T whole-body MR imager, Ng TC; Majors AW; Meaney TF, Radiology 1986; 158: 517
- in vivo ^{31}P NMR studies of avian dystrophic muscles, Narayana PA; Delayre JL; Misra LK, Magn Res Med 1986; 3: 549
- magnetic resonance imaging appearance of supernumerary soleus muscle, Petterson H; Giovannetti M; Gillespy T III; et al, Eur J Radiol 1987; 7: 149
- magnetic resonance imaging examination of denervated muscle, Shabas D; Gerard G; Rossi D, Comput Radiol 1987; 11: 9
- magnetic resonance imaging in the diagnosis of a psoas abscess, Stern JJ; Stoopack FM, CT 1988; 12: 79
- magnetic resonance imaging of children with Duchenne muscular dystrophy, Schreiber A; Smith WL; Ionasescu V; et al, Pediatr Radiol 1987; 17: 495
- magnetic resonance imaging of musculoskeletal infections, Modic MT; Pflanz W; Feiglin DH; et al, Radiol Clin North Am 1986; 24: 247
- magnetic resonance imaging of musculoskeletal neoplasms, Richardson ML; Kilcoyne RF; Gillespy T III; et al, Radiol Clin North Am 1986; 24: 259
- magnetic resonance imaging of musculoskeletal trauma, Ehman RL; Berquist TH, Radiol Clin North Am 1986; 24: 291
- magnetic resonance imaging of pyomyositis, Yuh WTC; Schreiber AE; Montgomery WJ; et al, Skeletal Radiol 1988; 17: 190
- magnetic resonance imaging of skeletal muscle: prolongation of T_1 and T_2 subsequent to denervation, Polak JF; Jolesz FA; Adams DF, Invest Radiol 1988; 23: 365
- magnetic resonance imaging of the normal and pathologic muscular system, Fisher MR; Doores GC; Hricak H; et al, Magn Res Med 1986; 4: 491
- magnetic resonance relaxation characteristics of muscle, fat and bone marrow of the extremities: normal values in a low field strength unit, Petterson H; Slone RM, Acta Radiol 1987; 28: 363
- magnetic resonance spectroscopy of the musculoskeletal system, Burt CT; Koutcher J; Roberts JT; et al, Radiol Clin North Am 1986; 24: 321
- metabolic changes in human muscle denervation: topical ^{31}P NMR spectroscopy studies, Zochodne DW; Thompson RT; Driedger AA; et al, Magn Res Med 1988; 7: 373
- MR imaging of a lymphangioma involving the masseter muscle, Chisn R; Fabian R; Weber AL; et al, JCAT 1988; 12: 690
- MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, Radiology 1988; 169: 281
- MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, Radiology 1988; 169: 282
- MR imaging of rhabdomyolysis, Zagoria RJ; Karstaedt N; Koubek TD, JCAT 1986; 10: 268
- MR imaging of the musculoskeletal system: a 5-year appraisal, Ehman RL; Berquist TH; McLeod RA, Radiology 1988; 166: 313
- MR imaging of the musculoskeletal system: current and future status, Sartoris DJ; Resnick D, AJR 1987; 149: 457
- MRI of normal and pathologic skeletal muscle, Murphy WA; Totty WC; Carroll JE, AJR 1986; 146: 565
- musculo-skeletal magnetic resonance imaging using inversion recovery pulse sequences at 0.08 T, Smith FW, Clin Radiol 1988; 39: 412
- musculoskeletal tumors: follow-up with MR imaging after treatment with surgery and radiation therapy, Vanel D; Lacombe M-J; Couanet D; Kalifa C; Spielmann M; Genin J, Radiology 1987; 164: 243
- musculoskeletal tumors: T_1 and T_2 relaxation times, Petterson H; Slone RM; Spanier S; Gillespy T III; Fitzsimmons JR; Scott KN, Radiology 1988; 167: 783
- NMR of skeletal muscle differences in relaxation parameters related to extracellular/intracellular fluid spaces, Polak JF; Jolesz FA; Adams DF, Invest Radiol 1988; 23: 107
- NMR relaxation times of skeletal muscle: dependence on fiber type and diet, Mardini IA; McCarter KJM; Fullerton GD, Magn Res Med 1986; 4: 393
- optimizing pulse sequences for magnetic resonance imaging of the musculoskeletal system, Richardson ML, Radiol Clin North Am 1986; 24: 137
- pediatric musculoskeletal magnetic resonance imaging, Kanal E; Burk DL Jr; Brunberg JA; et al, Radiol Clin North Am 1988; 26: 211
- relationship between MR relaxation time and muscle fiber composition, Kuno S-y; Katsuta S; Inouye T; Anno I; Matsumoto K; Akisada M, Radiology 1988; 169: 567
- soft-tissue masses of the locomotor system: comparison of MR imaging with CT, Petasnick JP; Turner DA; Charters JR; Gitelis S; Zacharias CE, Radiology 1988; 160: 125
- strategies for musculoskeletal magnetic resonance imaging, Burk DL Jr; Dalinka MK; Schiebler ML; et al, Radiol Clin North Am 1988; 26: 653
- three-dimensional imaging and display of musculoskeletal anatomy, Fishman EK; Magid D; Ney DR; et al, JCAT 1988; 12: 465
- Muscles, necrosis**
- computed tomography in the assessment of myonecrosis, Farmlett EJ; Fishman EK; Magid D; et al, J Canad Assoc Radiol 1987; 38: 278
- integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience, Lenkinski RE; Holland GA; Allman T; Voge K; Kressel HY; Grossman RI; Charles HC; Engeseth HR; Flamig D; MacFall JR, Radiology 1988; 169: 201
- muscle necrosis: computed tomography appearance, (ab), Franze I; Goebel N; Stuckmann G, Radiology 1986; 160: 286
- muscle necrosis in the extremities: evaluation with Tc-99m pyrophosphate scanning—a retrospective review, Timmons JH; Hartshorne MF; Peters VJ; Cawthon MA; Bauman JM, Radiology 1988; 167: 173
- Muscles, neoplasms**
- comparison of MR imaging and CT in the evaluation of musculoskeletal masses, Wetzel LH; Levine E; Murphy MD, Radiographics 1987; 7: 851
- computed tomography of calcified metastases to skeletal muscle from adenocarcinoma of the colon, Caskey CI; Fishman EK, CT 1988; 12: 199
- CT detection of skeletal muscle metastases, Schultz SR; Bree RL; Schwab RE; et al, JCAT 1986; 10: 81
- increased MR signal intensity in skeletal muscle adjacent to malignant tumors: pathologic correlation and clinical relevance, Beltran J; Simon DC; Katz W; Weis LD, Radiology 1987; 162: 251
- magnetic resonance imaging of musculoskeletal neoplasms, Richardson ML; Kilcoyne RF; Gillespy T III; et al, Radiol Clin North Am 1986; 24: 259
- metabolic imaging of human extremity musculoskeletal tumors by PET, Kern KA; Brunetti A; Norton JA; et al, J Nucl Med 1988; 29: 181
- metastatic adenocarcinoma of the paraspinal muscles, O'Keeffe D; Gholkar A, Br J Radiol 1988; 61: 849
- MR imaging of a lymphangioma involving the masseter muscle, Chisn R; Fabian R; Weber AL; et al, JCAT 1988; 12: 690
- MR imaging of early avascular necrosis, Mitchell DG; Kressel HY, Radiology 1988; 169: 281
- MR imaging of early avascular necrosis: reply, Ehman RL; Berquist TH; McLeod RA, Radiology 1988; 169: 282

Muscles, neoplasms

- MR imaging of the musculoskeletal system: a 5-year appraisal.** Enman RL, Berquist TH, McLeod KA. *Radiology* 1988; 166: 313
- musculoskeletal desmoid tumors: CT assessment during therapy.** Magid D; Fishman EK; Wharam MD Jr; et al. *JCAT* 1988; 12: 222
- musculoskeletal tumors: follow-up with MR imaging after treatment with surgery and radiation therapy.** Vanel D; Lacombe M-J; Couanet D; Kalifa C; Spielmann M; Genin J. *Radiology* 1987; 164: 243
- musculoskeletal tumors: T1 and T2 relaxation times.** Pettersson H; Slone RM; Spanier S; Gillespy T III; Fitzsimmons JR; Scott KN. *Radiology* 1988; 167: 783
- "photopenic" bone lesion secondary to erector spinae muscle infiltration by breast carcinoma.** Eiber AM; Wiener SN. *Clin Nucl Med* 1986; 11: 194
- skeletal muscle metastases from lung cancer.** (ab). Sridhar KS; Rao RK; Kunhardt B. *Radiology* 1987; 165: 589
- soft-tissue masses of the locomotor system: comparison of MR imaging with CT.** Petasnick JP; Turner DA; Charters JR; Gitelis S; Zacharias CE. *Radiology* 1986; 160: 125
- tumors of skeletal muscle.** (ab). Agamanolis DP; Dasu S; Krill CE Jr. *Radiology* 1987; 162: 589
- uptake of Tc-99m MDP in muscle anticipating clinical evidence of a carcinomatous myopathy.** (ab). Lentle BC; Russell AS. *Radiology* 1986; 158: 570
- Muscles, paraspinal**
- "photopenic" bone lesion secondary to erector spinae muscle infiltration by breast carcinoma.** Eiber AM; Wiener SN. *Clin Nucl Med* 1986; 11: 194
- precise determination of paraspinal musculature by quantitative CT.** Steiger P; Block JE; Friedlander A; et al. *JCAT* 1988; 12: 616
- Muscles, psoas**
- double-sided psoas abscess in a young infant: sonographic and radiographic findings.** Schut JM; Meradji M; Oranje AP; et al. *Pediatr Radiol* 1988; 18: 176
- gas in the psoas muscle secondary to an intravertebral vacuum cleft: CT characteristics.** Van Bockel SR; Mindelzun RE. *JCAT* 1987; 11: 913
- magnetic resonance imaging in the diagnosis of a psoas abscess.** Stern JJ; Stoopack PM. *CT* 1988; 12: 79
- non-tuberculous psoas abscess.** Williams MP. *Clin Radiol* 1986; 37: 253
- psoas abscess demonstrated by CT as the first evidence of carcinoma of the colon.** Llauger J; Pérez C; Andreu J; et al. *Comput Radiol* 1987; 11: 259
- psoas muscle disorders: MR imaging.** Lee JKT; Glazer HS. *Radiology* 1986; 160: 683
- Muscles, radionuclide studies**
- abnormal gallium uptake in anticardiolipin syndrome: an unexplained phenomenon.** Drane WE; Kelly BJ; McCullum K. *Clin Nucl Med* 1988; 13: 356
- muscle necrosis in the extremities: evaluation with Tc-99m pyrophosphate scanning—a retrospective review.** Timmons JH; Hartshorne MF; Peters VJ; Cawthon MA; Bauman JM. *Radiology* 1988; 167: 173
- rectus femoris muscle bone-image uptake in a sprinter.** Telepak RJ; Hartshorne MF; Bauman JM; et al. *Clin Nucl Med* 1986; 11: 365
- skeletal muscle blood flow in vivo: detection with rubidium-82 and effects of glucose, insulin, and exercise.** Mossberg KA; Mullani N; Gould KL; et al. *J Nucl Med* 1987; 28: 1155
- technetium-99m MDP activity in unsuspected necrotizing fasciitis.** Lisann NM; Yankelevitz DF; Castronuovo J; et al. *Clin Nucl Med* 1986; 11: 218
- uptake of Tc-99m MDP in muscle anticipating clinical evidence of a carcinomatous myopathy.** (ab). Lentle BC; Russell AS. *Radiology* 1986; 158: 570
- Muscles, US studies**
- healing of a muscle trauma. correlation of sonographical and histological findings in an experimental study in rats.** Lehto M; Alanen A. *J Ultrasound Med* 1987; 6: 425
- high-frequency ultrasonography of skeletal muscle in children with neuromuscular disease.** Lamminen A; Jäskeläinen J; Rapola J; et al. *J Ultrasound Med* 1988; 7: 505
- interventional ultrasound in the musculoskeletal system.** Christensen RA; vanSonnenberg E; Casola G; et al. *Radiol Clin North Am* 1988; 26: 145
- measurement of quadriceps muscle thickness and subcutaneous tissue thickness in normal children by real-time ultrasound imaging.** Heckmatt JZ; Pier N; Dubowitz V. *JCU* 1988; 16: 171
- sonographic diagnosis of rhabdomyolysis.** Fornage BD; Nerot C. *JCU* 1986; 14: 389
- sonographic fat/muscle ratio.** Fried AM; Coughlin K; Griffen WO. *Invest Radiol* 1986; 21: 71
- sonographic localization of hematomas in hemophilic patients with positive iliopsoas sign.** Graif M; Martinovitz U; Strauss S; et al. *AJR* 1987; 148: 121
- Myasthenia gravis**
- computed tomography of the thymus gland in myasthenia gravis.** Thorvanger B; Lyttkens K; Samuelsson L. *Acta Radiol* 1987; 28: 399
- mediastinal imaging in myasthenia gravis: correlation of chest radiography, CT, MR, and surgical findings.** Batra P; Herrmann C Jr; Mulder D. *AJR* 1987; 148: 515
- serial CT scans in thymic hyperplasia.** Goldberg RE; Haaga JR; Yulish BS. *JCAT* 1987; 11: 539
- surgical treatment for myasthenia gravis.** (ab). Otto TJ; Strugalska H. *Radiology* 1987; 165: 592
- Mycobacteria**
- association of achalasia and pulmonary mycobacterium fortuitum infection.** Aronchick JM; Miller WT; Epstein DM; Geffer WB. *Radiology* 1986; 160: 85
- expanding spectrum of pulmonary disease caused by nontuberculous mycobacteria.** Rubinstein I. *Radiology* 1986; 159: 815
- nontuberculous mycobacterial infection in AIDS: clinical, pathologic, and radiographic features.** Marinelli DL; Albelda SM; Williams TM; Kern JA; Iozzo RV; Miller WT. *Radiology* 1986; 160: 77
- partial, combined cortical and medullary nephrocalcinosis: US and CT patterns in AIDS-associated MAI infection.** Falkoff GE; Rigby CM; Rosenfield AT. *Radiology* 1987; 162: 343
- pathologic findings in disseminated Mycobacterium avium intracellulare infection: report of 11 cases.** (ab). Farhi DC; Mason UG III; Horsburgh CR Jr. *Radiology* 1986; 160: 862
- utility of gallium imaging in the diagnosis of mycobacterium avium-intracellular infection in patients with the acquired immunodeficiency syndrome.** Bach MC; Bagwell SP; Masur H. *Clin Nucl Med* 1986; 11: 175
- Mycosis fungoides**
- "3-D effect" of diffuse skin involvement by mycosis fungoides on gallium imaging.** Drane WE; Karvelis K; Buck JL; et al. *Clin Nucl Med* 1986; 11: 264
- gallium-67 uptake in cutaneous lesions of mycosis fungoides.** Nishimi L; Chen DCP; Ansari AN; et al. *Clin Nucl Med* 1988; 13: 120
- indications for total cutaneous electron beam radiation therapy of mycosis fungoides.** Le Bourgeois JP; Haddad E; Marinello G; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 189
- rapid pulmonary dissemination in mycosis fungoides simulating pneumonia. case report and review of the literature.** (ab). Rubin DL; Blank N. *Radiology* 1986; 158: 565
- total skin electron irradiation for mycosis fungoides: relationship between acute toxicities and measured dose at different anatomic sites.** Desai KR; Pezner RD; Lipsett JA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 641
- Myelography**
- See also Meninges; Spinal cord; Spine**
- cervical myelopathy: comparison of magnetic resonance and myelography.** Masaryk TJ; Modic MT; Geisinger MA; et al. *JCAT* 1986; 10: 184
- cervical radiculopathy: prospective evaluation with surface coil MR imaging.** CT with metrizamide, and metrizamide myelography. Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Han JS; Bohlman H. *Radiology* 1986; 161: 753
- cervical radiculopathy: value of oblique MR imaging.** Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Bohlman H. *Radiology* 1987; 163: 227
- comparison of MR and CT myelography in imaging the cervical and thoracic spine.** Karnaze MG; Gado MH; Sartor KJ; et al. *AJNR* 1987; 8: 983
- comparison of the radiation doses in lumbar CT and myelography.** Ilkko E; Leinonen K; Lahde S. *Eur J Radiol* 1987; 7: 119
- computed tomographic myelography in the investigation of childhood scoliosis and spinal dysraphism.** Rothwell CI; Forbes BS; Gupta SC. *Br J Radiol* 1987; 60: 1197
- computed tomography in low back pain before and after myelography: a qualitative comparison.** Fagerlund MKJ. *Acta Radiol* 1988; 29: 353
- conventional and CT metrizamide myelography in Arnold-Chiari I malformation and syringomyelia.** Li KC; Chui MC. *AJNR* 1987; 8: 11
- C. T. metrizamide myelography in syringohydromyelia.** Rao VRK; Mandaram R; Seouiera R; et al. *J Neuroradiol* 1987; 14: 82
- CT myelographic findings in degenerative disorders of the cervical spine: clinical significance.** Penning L; Wilmsink JT; van Woerden HH; et al. *AJNR* 1986; 7: 119
- CT myelography and MR imaging of acute transverse myelitis.** Merine D; Wang H; Kumar AJ; et al. *JCAT* 1987; 11: 606
- CT myelography of extradural pigmented villonodular synovitis.** Retrum ER; Schmidlin TM; Taylor WK; et al. *AJNR* 1987; 8: 727
- CT myelography with intramedullary enhancement in cervical spondylosis.** (ab). Iwasaki Y; Abe H; Ito T; et al. *Radiology* 1986; 160: 861
- diagnostic contribution of routine cerebrospinal fluid analysis during myelography.** Kuuliala IK; Goransson HJ. *Clin Radiol* 1987; 38: 169
- dural infolding during C1-2 myelography.** Burt TB; Seeger JF; Carmody RF; Yang PJ. *Radiology* 1986; 158: 546
- imaging of adult cervical spine trauma.** Berquist TH. *Radiographics* 1988; 8: 667
- iotrolan versus iopamidol for radiologic myelography: a randomized double-blind study.** Coutinho C; McGeorge A; Macpherson P; et al. *Br J Radiol* 1988; 61: 89
- lumbar disc disease evaluated by myelography and postmyelography spinal computed tomography.** Ketonen L; Glydensted C. *Neuroradiol* 1986; 28: 144
- lumbar disk herniation: diagnosis with CT or myelography?** Schipper J; Kardaun JWPF; Braakman R; van Dongen KJ; Blaauw G. *Radiology* 1987; 165: 227
- mobile myelographic filling defects: spinal cysticercosis.** Savoiardo M; Cimino C; Passerini A; et al. *Neuroradiol* 1986; 28: 166
- MRI versus conventional radiologic examinations in the evaluation of the craniocervical and cervicomedullary junction.** Smoker WRK; Keyes WD; Dunn VD; Menezes AH. *Radiographics* 1986; 6: 953
- myelographic findings in cervical spines without degenerative changes: special reference to sagittal diameter of the dural sac.** Nakstad P. *Neuroradiol* 1987; 29: 256
- myelographic study of the spinal cord ascent during fetal development.** Hawass ND; El-Badawi MG; Fatani JA; et al. *AJNR* 1987; 8: 691
- natural history of repaired myelomeningocele.** Nelson MD Jr; Bracchi M; Naidich TP; McLone DG. *Radiographics* 1988; 8: 695
- parenchymal CT myelogram: in vivo imaging of the gray matter of the spinal cord.** Jinkins JR; Bashir R; Al-Kawi MZ; et al. *AJNR* 1987; 8: 979
- role of diskography after negative postmyelography CT scans: retrospective review.** Abdelwahab IF; Gould ES. *AJNR* 1988; 9: 187

- syringomyelia: myelography, computed tomography, and magnetic resonance imaging. Deeb ZL; Daffner RH; Rothfus WE; et al. CT 1988; 12: 1
- thoracic disk herniation: MR imaging. Rose JS; Perez-Reyes N; Masaryk TJ; Bohman H; Modic MT. Radiology 1987; 165: 511
- thoracic disk herniation: MR imaging. Williams MP; Cherryman GR. Radiology 1988; 167: 874
- thoracic disk herniation: MR imaging: reply. Rose JS. Radiology 1988; 167: 875
- usual appearance of the postoperative lumbar spine. Mall JC; Kaiser JA. Radiographics 1987; 7: 245
- Myelography, complications**
- adverse reactions after iohexol lumbar myelography: influence of postprocedural positioning. Kuuliala IK; Goransson HJ. AJNR 1987; 8: 547
- case report: intracranial subdural hematoma complicating metrizamide myelography. Llewellyn CG; Campbell DR; Quartey CRC. J Canad Assoc Radiol 1988; 39: 230
- chemical meningitis in metrizamide myelography: report of seven cases. Sand T; Anda S; Hellum K; et al. Neuroradiol 1986; 28: 69
- delayed spinal subarachnoid hematoma: rare complication of C1-C2 cervical myelography. Abia AA; Rothfus WE; Maroon JC; et al. AJNR 1986; 7: 526
- flexed sitting maneuver for complete lumbar myelography in patients with severe spinal stenosis and apparent block. Kapila A; Chakraborty DW. Radiology 1986; 160: 265
- influence of certain factors on the manifestations of the adverse effects of metrizamide myelography. Yu YL; du Boulay GH; Paul E. Neuroradiol 1986; 28: 339
- myelography with iohexol (Omnipaque); a clinical report with special reference to the adverse effects. Skaltepe IO; Nakstad P. Neuroradiol 1988; 36: 169
- myelography with metrizamide: effect of contrast removal on side effects. Numaguchi Y; Weems AM; Mizushima A; et al. AJNR 1986; 7: 498
- neurologic complications in diabetics after metrizamide lumbar myelography. Steiner E; Simon JH; Ekholm SE; et al. AJNR 1986; 7: 323
- outpatient metrizamide myelography: prospective evaluation of safety and cost effectiveness. Badami JP; Baker RA; Scholz FJ; McLaughlin M. Radiology 1986; 158: 175
- reduction of the gastrointestinal side effects of metrizamide myelography with oral dexamethasone. Smoker WRK; Lehmann TR; Hingten WL; et al. AJNR 1988; 9: 179
- risk of seizures after myelography: comparison of iohexol and metrizamide. Maly P; Bach-Gansmo T; Elmquist D. AJNR 1988; 9: 879
- side effects after diagnostic lumbar puncture and lumbar iohexol myelography. Sand T; Stovner LJ; Dale L; et al. Neuroradiol 1987; 29: 385
- spinal cord injury caused by a lateral C1-2 puncture for cervical myelography. Müller-Vahl H; Vogelsang H. Eur J Radiol 1986; 6: 160
- Myelography, contrast media**
- cervical myelography of nerve root avulsion injuries using water-soluble contrast media. Cobby MJD; Leslie IJ; Watt I. Br J Radiol 1988; 61: 673
- comparison of iohexol and iopamidol for lumbar myelography. Hoe JWM; Ng AMN; Tan LKA. Clin Radiol 1986; 37: 505
- high-dose iohexol myelography. Simon JH; Ekholm SE; Kido DK; Utz R; Erickson J. Radiology 1987; 163: 455
- influence of the spread and period of retention of iotrolan in the subarachnoid space on the side effects rate in myelography. Hoffmann B; Becker H; Wenzel-Hora BL. Neuroradiol 1987; 29: 380
- iohexol 300 mg I/ml versus iopamidol 300 mg I/ml for cervical myelography double blind trial. Valk J; Crezee FC; de Slegte RGM; et al. Neuroradiol 1987; 29: 202
- iotrol versus metrizamide in lumbar myelography: double-blind study. Malnor MD; Houston LW; Strother CM; Turski PA; Sackett JF; Boyer M. Radiology 1986; 158: 845
- lumbar myelography with Omnipaque (iohexol). Lilleas F; Bach-Gansmo T; Weber H. Neuroradiol 1986; 28: 344
- outpatient metrizamide myelography: prospective evaluation of safety and cost effectiveness. Badami JP; Baker RA; Scholz FJ; McLaughlin M. Radiology 1986; 158: 175
- pharmacokinetics of iopamidol after intrathecal administration in humans. Duchin KL; Drayer BP; Ross M; et al. AJNR 1986; 7: 895
- pseudolesion with nonionic contrast myelography. Poe BM; D'Altorio R; Mandell M. Comput Med Imag Graph 1988; 12: 267
- removal of water-soluble contrast media after cervical myelography using cervical injection. Ramsey RG; Rabin DN. AJNR 1986; 7: 141
- Myelography, in infants and children**
- intrathecal administration of iopamidol in children: clinical and diagnostic results. Wells RG; Seidel FG; Sty JR; et al. Pediatr Radiol 1988; 18: 190
- iohexol in paediatric myelography: open non-comparative trial. Kendall B. Neuroradiol 1986; 28: 63
- outpatient performance of invasive radiologic procedures in pediatric patients. Diamant MJ; Bird CR; Stanley P. Radiology 1988; 166: 401
- total upright large volume columnar myelography in pediatric scoliosis. Jinkins JR. Neuroradiol 1987; 29: 200
- Myelography, technology**
- conventional vs computed radiography: evaluation of myelography. Yang PJ; Seeley GW; Carmody RF; et al. AJNR 1988; 9: 165
- cross-table cervical myelography: a technique to improve visualization. Minken TJ; Ahlgren P. AJNR 1988; 9: 874
- CT myelography in spinal cysticercosis. Zee C-S; Segall HD; Ahmadi J; et al. JCAT 1986; 10: 195
- dorsal CSF space at C1-II level: technique of cervical myelography. Raininko R; Sonninen P. Neuroradiol 1987; 29: 73
- imaging of adult cervical spine trauma. Berquist TH. Radiographics 1988; 8: 667
- large volume full columnar lumbar myelography. Jinkins JR. Neuroradiol 1987; 29: 371
- push-up view: superior cross-table lateral projection for cervical myelography. Reicher MA; Halbach VV; Benton JR; et al. AJNR 1986; 7: 899
- removal of water-soluble contrast media after cervical myelography using cervical injection. Ramsey RG; Rabin DN. AJNR 1986; 7: 141
- use of sitting position to relieve myelographic obstruction. Crane R; Margolis MT. AJNR 1986; 7: 502
- Myelolipoma**
- adrenal myelolipoma: diagnosis by fine-needle aspiration. Gould JD; Mitty HA; Pertsemlidis D; et al. AJR 1987; 148: 921
- adrenal myelolipoma: impact of modern investigations on the diagnosis and patient management. Lau LSW. Australas Radiol 1987; 31: 58
- Myeloma**
- avid uptake of gallium-67 in multiple myeloma: additional indicator of the aggressive phase. Kanoh T; Ohno T; Uchino H; et al. Clin Nucl Med 1987; 12: 482
- case report 350. Edelman RR; Kaufman H; Kolodny GM. Skeletal Radiol 1986; 15: 160
- case report 383. Kowenbergh JJ; Simons AJ. Skeletal Radiol 1986; 15: 484
- extensive skeletal involvement detected by gallium-67 citrate in a patient with multiple myeloma. Nishiyama H; Morand TM; Seiwert VJ. Clin Nucl Med 1988; 13: 179
- infection versus tumor in the spine: criteria for distinction with CT. Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SI; Brown JJ; Zlatkin M; Sartoris DJ; Chevrot A; Resnick CS; Resnick D. Radiology 1988; 166: 851
- magnetic resonance imaging of the lower vertebral column in patients with multiple myeloma. Fruehwald FXJ; Tscholakoff D; Schwaighofer B; et al. Invest Radiol 1988; 23: 193
- malignant extradural spinal tumors: MR imaging with Gd-DTPA. Sze G; Krol G; Zimmerman RD; Deck MDF. Radiology 1988; 167: 217
- multiple myeloma mimicking pituitary adenoma. Bitterman P; Ariza A; Black RA; et al. Comput Radiol 1986; 4: 201
- myeloma of the testis: sonographic appearance. Gale JT; Bowie JD; Mahony BS. JCU 1987; 15: 280
- myocardial, pulmonary, and gastric uptake of technetium-99m MDP in a patient with multiple myeloma and hypercalcemia. Reitz MD; Vasinraee P; Mishkin FS. Clin Nucl Med 1986; 11: 730
- obstructive jaundice secondary to multiple myeloma—case report. Zafaranloo S; Bryk D; Gerard PS. Comput Radiol 1986; 4: 197
- orbital involvement by multiple myeloma: case report. Boyadjis TA; D'Altorio RA. CT 1986; 10: 145
- osteosclerotic myeloma variants. Hall FM; Gore SM. Skeletal Radiol 1988; 17: 101
- skeletal surveys in multiple myeloma: radiologic-clinical correlation. Sebes JJ; Niell HB; Palmieri GMA; et al. Skeletal Radiol 1986; 15: 354
- soft-tissue uptake of technetium-99m MDP in multiple myeloma. Kanoh T; Uchino H; Yamamoto I; et al. Clin Nucl Med 1986; 11: 878
- transcatheter treatment of myelomatous AV shunting causing high-output failure. Sanchez FW; Chuang VP; Skolkin MD. Cardiovasc Intervent Radiol 1986; 9: 219
- Myoblastoma**
- acoustic shadowing in benign granular cell tumor (myoblastoma) of the breast. Scarlatte JC; Hsu JG; de la Torre R; et al. J Ultrasound Med 1987; 6: 545
- exogastric leiomyoblastoma: rare gastric neoplasm mimicking left hepatic mass on computed tomography. Stanley JH; Ravenel D; Parker TH; et al. CT 1986; 10: 187
- Myocarditis**
- congestive cardiomyopathy in association with AIDS. Corboy JR; Fink L; Miller WT. Radiology 1987; 165: 139
- gallium avid Lyme myocarditis. Rienzo RJ; Morel DE; Prager D; et al. Clin Nucl Med 1987; 12: 475
- indium-111 leukocyte scanning localization for detecting early myocarditis in Kawasaki disease. Williamson MR; Williamson SL; Seibert JJ. AJR 1986; 146: 255
- myocardial imaging: Cossackie myocarditis. Wells RG; Ruskin JA; Sty JR. Clin Nucl Med 1986; 11: 661
- SPECT imaging of myocarditis. Shulkin BL; Wahl RL. Clin Nucl Med 1987; 12: 841
- Myocardium**
- See also Heart
- case of mitozantrone-associated cardiomyopathy without prior anthracycline therapy. Pai GR; Reed NS; Ruddell WSJ. Br J Radiol 1987; 60: 1125
- Myocardium, abnormalities**
- cine-computed tomography of arrhythmogenic right ventricular dysplasia. Dery R; Lipton MJ; Garrett JS; et al. JCAT 1986; 10: 120
- persisting myocardial sinusoids of both ventricles as an isolated anomaly: echocardiographic, angiographic, and pathologic anatomical findings. Jenni R; Goebel N; Tartini R; et al. Cardiovasc Intervent Radiol 1986; 9: 127
- Myocardium, blood supply**
- copper(II) bis(thiosemicarbazone) complexes as potential tracers for evaluation of cerebral and myocardial blood flow with PET. Green MA; Klippenstein DL; Tension JR. J Nucl Med 1988; 29: 1549
- intracoronary thrombolysis: organizational prerequisites, technique, and results. Rutsh W; Schmutzler H. Cardiovasc Intervent Radiol 1986; 9: 245
- measurement of regional myocardial blood flow in dogs by ultrafast CT. Gould RG; Lipton MJ; McNamara MT. Invest Radiol 1988; 23: 348
- myocardial perfusion defects in contrast echocardiography: spatial and temporal localisation. Miszalski V; Fritzsche T; Scharf M. Ultrasound Med Biol 1986; 12: 581

Myocardium, blood supply

- myocardial perfusion studies: lessons from a decade of clinical use, Strauss HW; Boucher CA, *Radiology* 1986; 160: 577
- new method for measuring myocardial blood flow by high resolution scintigraphy in the excised dog heart, Hung C-Y; Burrow RD; Scherlag BJ; et al, *J Nucl Med* 1986; 27: 1586
- quantitative aspects of myocardial perfusion imaging, Kaul S; Chesler DA; Boucher CA; et al, *Semin Nucl Med* 1987; 17: 131
- regional myocardial and organ blood flow after myocardial infarction: application of the microsphere principle in man, (ab), Selwyn AF; Shea MJ; Foale R; et al, *Radiology* 1986; 160: 574
- Myocardium, calcification**
- radiographic distinction between pericardial and myocardial calcifications, MacGregor JH; Chen JTT; Chiles C; et al, *AJR* 1987; 148: 675
- Myocardium, CT**
- cine-computed tomography of arrhythmogenic right ventricular dysplasia, Dery R; Lipton MJ; Garrett JS; et al, *JCAT* 1986; 10: 120
- CT demonstration of myocardial perforation by a pacemaker lead, Sussman SK; Chiles C; Cooper C; et al, *JCAT* 1986; 10: 670
- in vivo evaluation of myocardial infarction by computed tomography: experiment with electrocardiographic gating, Checkley DR; Sekiya T; Isherwood J; et al, *Br J Radiol* 1986; 59: 461
- measurement of regional myocardial blood flow in dogs by ultrafast CT, Gould RG; Lipton MJ; McNamara MT, *Invest Radiol* 1988; 23: 348
- Myocardium, infarction**
- acute myocardial infarct imaging with indium-111-labeled monoclonal antimyosin Fab, Khaw BA; Yasuda T; Gold HK; et al, *J Nucl Med* 1987; 28: 1671
- acute myocardial infarction: MR evaluation in 29 patients, Fisher MR; McNamara MT; Higgins CB, *AJR* 1987; 148: 247
- angiographic and radiologic comments on thrombolytic therapy in acute myocardial infarction, Paulin S, *Cardiovasc Intervent Radiol* 1986; 9: 258
- angiographic demonstration of a common link between unstable angina pectoris and non-Q wave acute myocardial infarction, (ab), Ambrose JA; Hjelmahl-Monsen CE; Borrico S; et al, *Radiology* 1988; 169: 291
- assessment of left ventricular wall thickness in healed myocardial infarction by magnetic resonance imaging, (ab), Akins EW; Hill JA; Sievers KW; et al, *Radiology* 1987; 164: 884
- assessment of residual coronary arterial stenosis after thrombolytic therapy during acute myocardial infarction, (ab), Satter LF; Pallas RS; Bond OB; et al, *Radiology* 1988; 166: 589
- biventricular thrombus formation in association with acute myocardial infarction: diagnosis by two-dimensional echocardiography, Friedman HZ; Buda AJ, *JCU* 1986; 14: 315
- calcification of healed myocardial infarcts, (ab), Robert WC; Kaufman RJ, *Radiology* 1988; 166: 912
- case of neurofibromatosis associated with a coronary artery aneurysm and myocardial infarction, Kandarpa K; Stoll JF; Reiss C; et al, *Cardiovasc Intervent Radiol* 1988; 11: 143
- comparative methods for quantifying myocardial infarct size by thallium-201 SPECT, Prigent F; Maddahi J; Garcia EV; et al, *J Nucl Med* 1987; 28: 325
- comparison of monoplane and biplane assessment of regional left ventricular wall motion after thrombolytic therapy for acute myocardial infarction, (ab), Holmes DR; Bove AA; Nishimura RA; et al, *Radiology* 1987; 165: 586
- coronary thrombolytic therapy: state of the art, Marx M; Levin DC, *AJR* 1986; 147: 1
- detection of multivessel disease after myocardial infarction using intravenous stress digital subtraction angiography, Bellamy GR; Yiannikas J; Detrano R; Simpfordorfer C; Salcedo EE, *Radiology* 1986; 161: 685
- detection of myocardial infarction in the minipig using NMR imaging, Checkley D; Loveday BE; Waterton JC; et al, *Magn Res Med* 1987; 5: 201
- differentiation of reversible and irreversible myocardial injury by MR imaging with and without gadolinium-DTPA, McNamara MT; Tscholakoff D; Revel D; Soulen RL; Schechtman N; Botvinick EH; Higgins CB, *Radiology* 1986; 158: 765
- early-phase myocardial infarction: evaluation by MR imaging, Tscholakoff D; Higgins CB; McNamara MT; Derugin N, *Radiology* 1986; 159: 567
- early treatment of acute myocardial infarction with intravenous streptokinase: a high-risk syndrome, (ab), Koren G; Luria MH; Weiss AT; et al, *Radiology* 1987; 163: 836
- effects of intracoronary thrombolysis on global left ventricular function assessed by an automated edge detection technique, van der Wall EE; Res JC; van Eenige MJ; et al, *J Nucl Med* 1986; 27: 478
- evaluation of regional ventricular wall motion by ECG-gated CT, Bouchard A; Lipton MJ; Farmer DW; et al, *JCAT* 1987; 11: 969
- failure of Fluosol DA to enhance the ultrasonic image of infarcted myocardium, Vasey CG; Armstrong WF; West SR; et al, *JCU* 1986; 14: 613
- fast washout of thallium-201 from area of myocardial infarction: possible artifact of background subtraction, Brown KA; Benoit L; Clements JP; et al, *J Nucl Med* 1987; 28: 945
- fate of inorganic phosphate and pH in regional myocardial ischemia and infarction: a noninvasive ³¹P NMR study, Bottomley PA; Smith LS; Brazzamaso S; et al, *Magn Res Med* 1987; 5: 129
- gated blood-pool imaging in mechanical left ventricular assistance following myocardial infarction in dogs, Martin W; Sethia B; Douglas IHS; et al, *J Nucl Med* 1987; 28: 886
- incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, (ab), Brown BG; Gallery CA; Badger RS; et al, *Radiology* 1986; 160: 859
- infarct vessel status after intravenous tissue plasminogen activator and acute coronary angioplasty: prediction of clinical outcome, (ab), Grines CL; Topol EJ; Bates ER; et al, *Radiology* 1988; 169: 589
- intracoronary thrombolysis: organizational prerequisites, technique, and results, Rutsch W; Schmutzler H, *Cardiovasc Intervent Radiol* 1986; 9: 245
- intravenous recombinant tissue-type plasminogen activator in patients with acute myocardial infarction: report from the NHLBI thrombolysis in myocardial infarction trial, (ab), Williams DO; Borer J; Braunwald E; et al, *Radiology* 1986; 160: 286
- in vivo evaluation of myocardial infarction by computed tomography: experiment with electrocardiographic gating, Checkley DR; Sekiya T; Isherwood J; et al, *Br J Radiol* 1986; 59: 461
- isolated fibromuscular dysplasia of the coronary arteries with spontaneous dissection and myocardial infarction, (ab), Lie JT; Berg KK, *Radiology* 1988; 166: 294
- magnetic resonance imaging during acute myocardial infarction, (ab), Johnston DL; Thompson RC; Liu P; et al, *Radiology* 1986; 161: 861
- magnetic resonance imaging of chronic myocardial infarcts in man, McNamara MT; Higgins CB, *AJR* 1986; 146: 315
- magnetic resonance imaging of myocardial infarction using albumin-(Gd-DTPA), a macromolecular blood-volume contrast agent in a rat model, Schmiedl U; Moseley ME; Sievers R; et al, *Invest Radiol* 1987; 22: 713
- measurement of myocardial infarct size at early and late time intervals using MR imaging: an experimental study in dogs, Caputo GR; Sechtem U; Tscholakoff D; et al, *AJR* 1987; 149: 237
- methodology and results of intravenous thrombolysis in acute myocardial infarction, Neuhaus K-L, *Cardiovasc Intervent Radiol* 1986; 9: 253
- MR imaging of acute myocardial infarction: value of Gd-DTPA, de Roos A; Doornbos J; van der Wall EE; et al, *AJR* 1988; 150: 531
- MRI of reperfused myocardial infarction in dogs, Tscholakoff D; Higgins CB; Sechtem U; et al, *AJR* 1986; 146: 925
- myocardial infarct imaging in patients with technetium-99m 2,3-dimercaptosuccinic acid: superiority of technetium-99m pyrophosphate, Lyons KP; Milne N; Karlberg RP; et al, *Clin Nucl Med* 1987; 12: 514
- myocardial infarction in Kawasaki disease, (ab), Kato H; Ichinose E; Kawasaki T, *Radiology* 1987; 164: 295
- occlusive and reperfused myocardial infarcts: effect of Gd-DTPA on ECG-gated MR imaging, Tscholakoff D; Higgins CB; Sechtem U; McNamara MT, *Radiology* 1986; 160: 515
- performance of barium examinations after acute myocardial infarction: report of a survey, Smith HJ, *AJR* 1987; 149: 63
- peripheral emboli from left ventricular thrombi of different echocardiographic appearance in acute myocardial infarction, (ab), Johannessen K-A, *Radiology* 1987; 164: 884
- positron imaging of myocardial infarction with rubidium-82, Goldstein RA; Mullani NA; Wong W-H; et al, *J Nucl Med* 1986; 27: 1824
- prediction of death, myocardial infarction, and worsening chest pain using thallium scintigraphy and exercise electrocardiography, Staniloff HM; Forrester JS; Berman DS; et al, *J Nucl Med* 1986; 27: 1842
- proton magnetic resonance of early myocardial infarction in rats, Polak JF; Vivaldi MT; Schoen FJ, *Invest Radiol* 1988; 23: 428
- proton NMR spectroscopy in canine myocardial infarction, Richards T; Tscholakoff D; Higgins CB, *Magn Res Med* 1987; 4: 555
- proton NMR spectroscopy in myocardial ischemic insult, Evanochko WT; Reeves RC; Sakai TT; et al, *Magn Res Med* 1987; 5: 23
- quantitative angiographic morphology of coronary stenoses leading to myocardial infarction or unstable angina, (ab), Wilson RF; Holida MD; White CW, *Radiology* 1986; 160: 287
- radionuclide cineangiography in acute myocardial infarction: role in prognostication, Borer JS; Miller D; Schreiber T, *Semin Nucl Med* 1987; 17: 89
- radiopharmaceuticals for myocardial infarct imaging: a clinical comparison of ^{99m}Tc-pyrophosphate and ^{99m}Tc-dimethylaminomethylene diphosphonate, Bell D; Millar AM; Grayshan R; et al, *Br J Radiol* 1988; 61: 646
- recurrent ischemia in the zone of prior myocardial infarction: results of coronary angioplasty of the infarct-related artery, (ab), Hopkins J; Savage M; Zalewski A; et al, *Radiology* 1988; 169: 883
- regional myocardial and organ blood flow after myocardial infarction: application of the microsphere principle in man, (ab), Selwyn AF; Shea MJ; Foale R; et al, *Radiology* 1986; 160: 574
- regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q-wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, (ab), Brunken R; Tillisch J; Schwaiger M; et al, *Radiology* 1986; 161: 285
- rubidium-82 kinetics after coronary occlusion: temporal relation of net myocardial accumulation and viability in open-chested dogs, Goldstein RA, *J Nucl Med* 1986; 27: 1456
- segmental evaluation of left ventricular wall motion after myocardial infarction: magnetic resonance imaging versus echocardiography, (ab), White RD; Cassidy MM; Cheitlin MD; et al, *Radiology* 1988; 169: 883

- separate effects of ischemia, hypoxia, and contractility on thallium-201 kinetics in rabbit myocardium, Leppo JA; Macneil PB; Moring AF; et al, *J Nucl Med* 1986; 27: 66
- septal infarction demonstrated on technetium-99m PYP SPECT, Intenzo CM; Koh YB; Madsen MT; et al, *Clin Nucl Med* 1986; 11: 82
- serum cholesterol and 25-year incidence of and mortality from myocardial infarction and cancer: the Zutphen Study, (ab), Kromhout D; Bosschuetter EB; Drijver M; et al, *Radiology* 1988; 169: 291
- silent myocardial infarction discovered during indium-111 white blood cell imaging, Harris V; Siddiqui AR, *Clin Nucl Med* 1988; 13: 202
- streptokinase, urokinase, and tissue plasminogen activator: pharmacokinetics, relative advantages, and methods for maximizing rates and consistency of lysis, Maizel AS; Bookstein JJ, *Cardiovasc Intervent Radiol* 1986; 9: 236
- supine versus upright anterior images: comparison in Tl-201 myocardial scintigraphy, Jacobson AF; Parker JA; Royal HD; Silverman KJ; Gervino EV; Kolodny GM, *Radiology* 1987; 163: 691
- temporal pattern of recovery of myocardial perfusion and metabolism delineated by positron emission tomography after coronary thrombolysis, Knabe RM; Bergmann SR; Fox KAA; et al, *J Nucl Med* 1987; 28: 1563
- thallium-201/technetium-99m-RP-30A disparity in the course of myocardial infarction after attempted reperfusion, Tatum JL; Rehr RB; DiSciascio G; et al, *J Nucl Med* 1988; 29: 1283
- time to first new myocardial infarction in patients with mild angina and three-vessel disease comparing medicine and early surgery: a CASS registry study of survival, (ab), Myers WO; Gersh BJ; Fisher LD; et al, *Radiology* 1988; 166: 294
- two-dimensional and Doppler echocardiography in acute myocardial infarction and its complications, Assmann PE; Roelandt JRTC, *Ultrasound Med Biol* 1987; 13: 507
- value of percutaneous transluminal coronary angioplasty after unsuccessful intravenous streptokinase therapy in acute myocardial infarction, (ab), Fung AY; Lai P; Topol EJ; et al, *Radiology* 1987; 163: 590
- Myocardium, inflammation**
See Myocarditis
- Myocardium, injuries**
Myocardial perforation by transvenous pacemaker in a newborn infant: echocardiographic diagnosis, Muhler E; Hofstetter R; Hornchen H; et al, *JCU* 1986; 14: 141
- Myocardium, ischemia**
acute myocardial ischemia: MR imaging with Mn-TP, Pflugfelder PW; Wendland MF; Holt WW; Quay SC; Worah D; Derugin N; Higgins CB, *Radiology* 1988; 167: 129
- early-phase myocardial infarction: evaluation by MR imaging, Tscholakoff D; Higgins CB; McNamara MT; Derugin N, *Radiology* 1986; 159: 667
- echocardiographic visualization of acute myocardial ischemia—in vitro study, Chandrasekaran K; Greenleaf JF; Robinson BS; et al, *Ultrasound Med Biol* 1986; 12: 785
- effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Weinstein L; Clarke G, *Radiology* 1988; 168: 81
- fate of inorganic phosphate and pH in regional myocardial ischemia and infarction: a noninvasive ³¹P NMR study, Bottomley PA; Smith LS; Brazzaman S; et al, *Magn Res Med* 1987; 5: 129
- metabolic fate of radiolabeled palmitate in ischemic canine myocardium: implications for positron emission tomography, Rosamond TL; Abendschein DR; Sobel BE; et al, *J Nucl Med* 1987; 28: 1322
- myocardial damage delineated by indium-111 antimony Fab and technetium-99m pyrophosphate, Khaw BA; Strauss HW; Moore R; et al, *J Nucl Med* 1987; 28: 76
- myocardial perfusion studies: lessons from a decade of clinical use, Strauss HW; Boucher CA, *Radiology* 1986; 160: 577
- recurrent ischemia in the zone of prior myocardial infarction: results of coronary angioplasty of the infarct-related artery, (ab), Hopkins J; Savage M; Zalewski A; et al, *Radiology* 1988; 169: 883
- rubidium-82 myocardial uptake and extraction after transient ischemia: PET characteristics, Wilson RA; Shea M; De Landsheere C; et al, *JCAT* 1987; 11: 60
- separate effects of ischemia, hypoxia, and contractility on thallium-201 kinetics in rabbit myocardium, Leppo JA; Macneil PB; Moring AF; et al, *J Nucl Med* 1986; 27: 66
- technetium-99m methoxyisobutyl isonitrile (RP30) for quantification of myocardial ischemia and reperfusion in dogs, Li Q-S; Frank TL; Franceschi D; et al, *J Nucl Med* 1988; 29: 1539
- use of short- and long-lived rubidium tracers for the study of transient ischemia, Shea MJ; Wilson RA; deLandsheere CM; et al, *J Nucl Med* 1987; 28: 989
- Myocardium, MR studies**
acute myocardial infarction: MR evaluation in 29 patients, Fisher MR; McNamara MT; Higgins CB, *AJR* 1987; 148: 247
- acute myocardial ischemia: MR imaging with Mn-TP, Pflugfelder PW; Wendland MF; Holt WW; Quay SC; Worah D; Derugin N; Higgins CB, *Radiology* 1988; 167: 129
- detection of myocardial infarction in the mini-pig using NMR imaging, Checkley D; Loveday BE; Waterton JC; et al, *Magn Res Med* 1987; 5: 201
- differentiation of reversible and irreversible myocardial injury by MR imaging with and without gadolinium-DTPA, McNamara MT; Tscholakoff D; Revel D; Soulen RL; Schechtman N; Botvinick EH; Higgins CB, *Radiology* 1986; 158: 765
- early-phase myocardial infarction: evaluation by MR imaging, Tscholakoff D; Higgins CB; McNamara MT; Derugin N, *Radiology* 1986; 159: 667
- effective separation of normal, acutely ischemic, and reperfused myocardium with P-31 MR spectroscopy, Rehr RB; Tatum JL; Hirsch JI; Weinstein L; Clarke G, *Radiology* 1988; 168: 81
- fate of inorganic phosphate and pH in regional myocardial ischemia and infarction: a noninvasive ³¹P NMR study, Bottomley PA; Smith LS; Brazzaman S; et al, *Magn Res Med* 1987; 5: 129
- human heart: tagging with MR imaging—a method for noninvasive assessment of myocardial motion, Zerhouni EA; Parish DM; Rogers WJ; Yang A; Shapiro EP, *Radiology* 1988; 169: 59
- magnetic resonance imaging during acute myocardial infarction, (ab), Johnston DL; Thompson RC; Liu P; et al, *Radiology* 1986; 161: 861
- magnetic resonance imaging in patients with unstable angina: comparison with acute myocardial infarction and normals, Ahmad M; Johnson RF Jr; Fawcett HD; et al, *Magn Res Imag* 1988; 6: 527
- magnetic resonance imaging of chronic myocardial infarcts in man, McNamara MT; Higgins CB, *AJR* 1986; 146: 315
- magnetic resonance imaging of myocardial infarction using albumin-(Gd-DTPA), a macromolecular blood-volume contrast agent in a rat model, Schmiedl U; Moseley ME; Sievers R; et al, *Invest Radiol* 1987; 22: 713
- magnetic resonance imaging of the mini-pig heart: the effect of gadolinium-DTPA on normal myocardium, Williams CT; Stack JP; Loveday B; et al, *Br J Radiol* 1988; 61: 596
- measurement of myocardial infarct size at early and late time intervals using MR imaging: an experimental study in dogs, Caputo GR; Sechtem U; Tscholakoff D; et al, *AJR* 1987; 149: 237
- MR imaging of acute myocardial infarction: value of Gd-DTPA, de Roos A; Doornbos J; van der Wall EE; et al, *AJR* 1988; 150: 531
- MRI of reperfused myocardial infarct in dogs, Tscholakoff D; Higgins CB; Sechtem U; et al, *AJR* 1986; 146: 925
- myocardial proton spin-lattice relaxation times in vitro: effect of elapsed time after excision, Campbell CF; Pearson GA; Collins SM; et al, *Magn Res Imag* 1986; 4: 473
- occlusive and reperfused myocardial infarcts: effect of Gd-DTPA on ECG-gated MR imaging, Tscholakoff D; Higgins CB; Sechtem U; McNamara MT, *Radiology* 1986; 160: 515
- proton magnetic resonance of early myocardial infarction in rats, Polak JF; Vivaldi MT; Schoen FJ, *Invest Radiol* 1988; 23: 428
- proton NMR spectroscopy in myocardial ischemic insult, Evanochko WT; Reeves RC; Sakai TT; et al, *Magn Res Med* 1987; 5: 23
- use of gadolinium-DTPA as a myocardial perfusion agent: potential applications and limitations for magnetic resonance imaging, Johnston DL; Liu P; Lauffer RB; et al, *J Nucl Med* 1987; 28: 871
- Myocardium, neoplasms**
metastatic uterine cervical cell carcinoma to myocardium, Antico VF; Hands ME; Lloyd BL, *Clin Nucl Med* 1986; 11: 131
- Myocardium, radionuclide studies**
abnormal thallium 201 scintigraphy during low-dose vasopressin infusions, (ab), Davison R; Kaplan K; Bines A; et al, *Radiology* 1987; 163: 836
- assessment of dipyridamole-thallium-201 myocardial scintigraphy of coronary risk before peripheral vascular surgery, (ab), Sachs KN; Teller P; Larmignat P; et al, *Radiology* 1988; 169: 291
- assessment of myocardial metabolism with iodine-123 heptadecanoic acid: effect of decreased fatty acid oxidation on deiodination, Lüthy P; Chatelain P; Papageorgiou I; et al, *J Nucl Med* 1988; 29: 1088
- breast attenuation artifacts in Tl-201 scintigraphy, Botvinick EH, *Radiology* 1988; 168: 878
- breast attenuation artifacts in Tl-201 scintigraphy: reply, Goodgold HM; Rehder JC; Samuels LD; Chaitman BR, *Radiology* 1988; 168: 879
- changes in myocardial perfusion reserve after PTCA: noninvasive assessment with positron tomography, Goldstein RA; Kirkeeide RL; Smalling RW; et al, *J Nucl Med* 1987; 28: 1262
- comparative methods for quantifying myocardial infarct size by thallium-201 SPECT, Prigent F; Maddahi J; Garcia EV; et al, *J Nucl Med* 1987; 28: 325
- computer modeling of planar myocardial perfusion imaging: effect of heart rate and ejection fraction on wall thickness and chamber size, Machac J; Levin H; Balk E; et al, *J Nucl Med* 1986; 27: 653
- copper(II) bis(thiosemicarbazone) complexes as potential tracers for evaluation of cerebral and myocardial blood flow with PET, Green MA; Klippenstein DL; Tension JR, *J Nucl Med* 1988; 29: 1549
- development of nonreducible technetium-99m(III) cations as myocardial perfusion imaging agents: initial experience in humans, Deutsch E; Venderheyden J-L; Gerundini P; et al, *J Nucl Med* 1987; 28: 1870
- dual tracer autoradiographic study of β -methyl-(1-¹⁴C) heptadecanoic acid and 15-p-(¹²⁵I)-iodophenyl- β -methylpentadecanoic acid in normotensive and hypertensive rats, Yamamoto K; Som P; Brill AB; et al, *J Nucl Med* 1986; 27: 1178
- effect of eating on thallium myocardial imaging, (ab), Wilson RA; Sullivan PJ; Okada RD; et al, *Radiology* 1986; 160: 574
- effect of reperfusion and hyperemia on the myocardial distribution of technetium-99m t-butylisonitrile, Holman BL; Campbell CA; Lister-Jones J; et al, *J Nucl Med* 1986; 27: 1172
- effect of variable left ventricular vertical orientation on planar myocardial perfusion images, Horowitz SF; Machac J; Levin H; et al, *J Nucl Med* 1986; 27: 694
- evaluation of diseased coronary arterial branches by polar representations of thallium-201 rotational myocardial imaging, Iino T; Toyosaki N; Katsuki T; et al, *Clin Nucl Med* 1987; 12: 688
- evaluation of myocardial perfusion and function by single photon emission computed tomography, Cerqueira MD; Harp GD; Ritchie JL, *Semin Nucl Med* 1987; 17: 200

- fast washout of thallium-201 from area of myocardial infarction: possible artifact of background subtraction, Brown KA; Benoit L; Clements JP; et al, *J Nucl Med* 1987; 28: 945
- gated blood-pool imaging in mechanical left ventricular assistance following myocardial infarction in dogs, Martin W; Sethia B; Douglas, IHS; et al, *J Nucl Med* 1987; 28: 886
- hexakis (2-methoxyisobutylisonitrile) technetium-99m and thallium-201 chloride: uptake and release in cultured myocardial cells, Maublant JC; Gachon P; Moins N, *J Nucl Med* 1988; 29: 48
- hexakis(carbomethoxyisopropylisonitrile) technetium-99m, a new myocardial perfusion imaging agent: binding characteristics in cultured chick heart cells, Pownall-Worms D; Kronauge JF; Holman BL; et al, *J Nucl Med* 1988; 29: 55
- hyperventilation thallium-201 myocardial imaging for the diagnosis of vasospastic angina, Imamura T; Nagatomo Y; Nakagawa S; et al, *Clin Nucl Med* 1987; 12: 729
- improved interpretation of exercise TI-201 myocardial perfusion scintigraphy in women: characterization of breast attenuation artifacts, Goodgold HM; Rehder JG; Samuels LD; Chaitman BR, *Radiology* 1987; 165: 361
- influence of peak exercise heart rate on normal thallium-201 myocardial clearance, Kaul S; Chesler DA; Pohost GM; et al, *J Nucl Med* 1986; 27: 26
- interpolating scan and oblique-angle tomograms in myocardial PET using nitrogen-13 ammonia, Senda M; Yonekura Y; Tamaki N; et al, *J Nucl Med* 1986; 27: 1830
- iodine-131 metiodobenzylguanidine intra- and extravascular accumulation in the rat heart, Nakajo M; Shimabukuro K; Yoshimura H; et al, *J Nucl Med* 1986; 27: 84
- measurement of myocardial fatty acid metabolism: kinetics of iodine-123 heptadecanoic acid in normal dog hearts, Schon HR; Senekowitsch R; Berg D; et al, *J Nucl Med* 1986; 27: 1449
- metabolic fate of radiolabeled palmitate in ischemic canine myocardium: implications for positron emission tomography, Rosamond TL; Abendschein DR; Sobel BE; et al, *J Nucl Med* 1987; 28: 1322
- myocardial damage delineated by indium-111 antimyosin Fab and technetium-99m pyrophosphate, Khaw BA; Strauss HW; Moore R; et al, *J Nucl Med* 1987; 28: 76
- myocardial imaging with technetium-99m CPI: initial experience in the human, Holman BL; Sporn V; Jones AG; et al, *J Nucl Med* 1987; 28: 514
- myocardial infarct imaging in patients with technetium-99m 2,3-dimercaptoisuccinic acid: superiority of technetium-99m pyrophosphate, Lyons KP; Milne N; Karlsberg RP; et al, *Clin Nucl Med* 1987; 12: 514
- myocardial localization of technetium-99m MDP in an infant, Fleming JC; Pysher TJ; Leonard JC, *Clin Nucl Med* 1986; 11: 369
- myocardial metabolism of radioiodinated methyl-branched fatty acids, Demaison L; Dubois F; Apparau M; et al, *J Nucl Med* 1988; 29: 1230
- myocardial perfusion studies: lessons from a decade of clinical use, Strauss HW; Boucher CA, *Radiology* 1986; 160: 577
- myocardial uptake of thallium and rubidium during alterations in perfusion and oxygenation in isolated rabbit hearts, Leppo JA, *J Nucl Med* 1987; 28: 878
- new method for measuring myocardial blood flow by high resolution scintigraphy in the excised dog heart, Hung C-Y; Burrow RD; Scherlag BJ; et al, *J Nucl Med* 1986; 27: 1586
- pharmacokinetics of thallium-201 in normal individuals after routine myocardial scintigraphy, Krahwinkel W; Herzog H; Feinendegen LE, *J Nucl Med* 1988; 29: 1582
- pharmacologic intervention as an alternative to exercise stress, Gould KL, *Semin Nucl Med* 1987; 17: 121
- prediction of death, myocardial infarction, and worsening chest pain using thallium scintigraphy and exercise electrocardiography, Staniloff HM; Furreser JS; Berman DS; et al, *J Nucl Med* 1986; 27: 1842
- quantitative analysis of stress thallium-201 myocardial scintigrams: multicenter trial, Van Train KF; Berman DS; Garcia EV; et al, *J Nucl Med* 1986; 27: 17
- quantitative analysis of the tomographic thallium-201 myocardial bullseye display: critical role of correcting for patient motion, Eisner R; Churchwell A; Noever T; et al, *J Nucl Med* 1988; 29: 91
- quantitative aspects of myocardial perfusion imaging, Kaul S; Chesler DA; Boucher CA; et al, *Semin Nucl Med* 1987; 17: 131
- quantitative planar and tomographic thallium-201 myocardial perfusion imaging, Garcia EV; DePuey EG; DePasquale EE, *Cardiovasc Intervent Radiol* 1987; 10: 374
- quantitative relationship between global left ventricular thallium uptake and blood flow: effects of propranolol, quabain, dipyridamole, and coronary artery occlusion, Melin JA; Becker LC, *J Nucl Med* 1986; 27: 641
- radioiodinated 15-(p-iodophenyl)-3,3-dimethylpentadecanoic acid: useful new agent to evaluate myocardial fatty acid uptake, Knapp FF Jr; Goodman MM; Callahan AP; et al, *J Nucl Med* 1986; 27: 521
- radioiodine therapy of hyperthyroidism precludes thallium-201 myocardial scintigraphy, Orzel JA; Krueyer WB; Borchert RD, *Clin Nucl Med* 1987; 12: 110
- radionuclide cineangiography in acute myocardial infarction: role in prognosis, Borer JS; Miller D; Schreiber T, *Semin Nucl Med* 1987; 17: 89
- radiopharmaceuticals for myocardial infarct imaging: a clinical comparison of ^{99m}Tc -pyrophosphate and ^{99m}Tc -dimethylaminomethylene diphosphonate, Bell D; Millar AM; Grayshan R; et al, *Br J Radiol* 1988; 61: 646
- regional myocardial glucose metabolism in angina pectoris obtained from positron emission tomography, Spinks TJ; Araujo LI; Canici P, *J Thorac Imag* 1988; 3-2: 56
- reliability of thallium-201 myocardial tomography in a clinical setting without exclusions for drugs or suboptimal exercise, Coel M; Gushiken B, *Clin Nucl Med* 1988; 13: 155
- right ventricular infarction in tetralogy of Fallot: thallium myocardial imaging, Williams CR; Kottamasu SR; Keller CE, *Clin Nucl Med* 1988; 13: 125
- rubidium-82 kinetics after coronary occlusion: temporal relation of net myocardial accumulation and viability in open-chested dogs, Goldstein RA, *J Nucl Med* 1986; 27: 1456
- septal infarction demonstrated on technetium-99m PYP SPECT, Intenzo CM; Koh YB; Madsen MT; et al, *Clin Nucl Med* 1986; 11: 82
- sex-specific criteria for interpretation of thallium-201 myocardial uptake and washout studies, Rabinovitch M; Suissa S; Elstein J; et al, *J Nucl Med* 1986; 27: 1837
- silent myocardial infarction discovered during indium-111 white blood cell imaging, Harris V; Siddiqui AR, *Clin Nucl Med* 1988; 13: 202
- simultaneous measurement of ventricular function and myocardial perfusion using the technetium-99m isonitriles, Sporn V; Balino NP; Holman BL; et al, *Clin Nucl Med* 1988; 13: 77
- SPECT imaging of myocarditis, Shulkin BL; Wahl RL, *Clin Nucl Med* 1987; 12: 841
- supine versus upright anterior images: comparison in TI-201 myocardial scintigraphy, Jacobson AF; Parker JA; Royal HD; Silverman KJ; Gervino EV; Kolodny GM, *Radiology* 1987; 163: 691
- synthesis and biologic evaluation of 1-[^{11}C]-3,3-dimethylheptadecanoic acid, Jones GS Jr; Livni E; Strauss HW; et al, *J Nucl Med* 1988; 29: 68
- technetium-99m methoxyisobutyl isonitrile (RP30) for quantification of myocardial ischemia and reperfusion in dogs, Li Q-S; Frank TL; Franceschi D; et al, *J Nucl Med* 1988; 29: 1539
- temporal pattern of recovery of myocardial perfusion and metabolism delineated by positron emission tomography after coronary thrombolysis, Knabb RM; Bergmann SR; Fox KAA; et al, *J Nucl Med* 1987; 28: 1563
- thallium-201 and gallium-67 myocardial scintigraphy for the evaluation of sarcoid involvement, Nagatomo Y; Imamura T; Koiwaya Y; et al, *Clin Nucl Med* 1987; 12: 335
- thallium-201 myocardial imaging during coronary vasodilation induced by oral dipyridamole, Gould KL; Sorenson SG; Albro P; et al, *J Nucl Med* 1986; 27: 31
- thallium-201 scintigraphic quantitation of regional flow disparity and subsequent redistribution in dogs, Steingart RM; Cohen MV, *J Nucl Med* 1986; 27: 75
- thallium-201/technetium-99m-RP-30A disparity in the course of myocardial infarction after attempted reperfusion, Tatum JL; Rehr RB; DiSciascio G; et al, *J Nucl Med* 1988; 29: 1283
- thallium myocardial perfusion scintigraphy: influence of perfusion, scatter, and photon energy on the detection of lesions, Vos PH; Pauwels EKJ; Vossepoel AM, *Cardiovasc Intervent Radiol* 1986; 9: 7
- tomographic myocardial perfusion scintigraphy in children with Kawasaki disease, Spielmann RP; Nienaber CA; Hausdorf G; et al, *J Nucl Med* 1987; 28: 1839
- use of short- and long-lived rubidium tracers for the study of transient ischemia, Shea MJ; Wilson RA; deLandsheere CM; et al, *J Nucl Med* 1987; 28: 989
- utilization of technetium-99m CPI as a myocardial perfusion imaging agent in exercise studies, Sia STB; Holman BL; Campbell S; et al, *Clin Nucl Med* 1987; 12: 681
- validation of PET-acquired input functions for cardiac studies, Weinberg IN; Huang SC; Hoffman EJ; et al, *J Nucl Med* 1988; 29: 241
- value of myocardial defect size measured by thallium-201 SPECT: results of a multicenter trial comparing heparin and a new fibrinolytic agent, Maublant JC; Peycelon P; Cardot JC; et al, *J Nucl Med* 1988; 29: 1486

Mycardium, US studies

- echocardiographic visualization of acute myocardial ischemia—in vitro study, Chandrasekaran K; Greenleaf JF; Robinson BS; et al, *Ultrasound Med Biol* 1986; 12: 785
- failure of Fluosol DA to enhance the ultrasonic image of infarcted myocardium, Vasey CG; Armstrong WF; West SR; et al, *JCU* 1986; 14: 613
- myocardial perforation by transvenous pacemaker in a newborn infant: echocardiographic diagnosis, Muhler E; Hofstetter R; Hornchen H; et al, *JCU* 1986; 14: 141
- myocardial perfusion defects in contrast echocardiography: spatial and temporal localization, Miszalski V; Fritzsche T; Scharl M, *Ultrasound Med Biol* 1986; 12: 581
- new technique for myocardial contrast echocardiography in the experimental canine model using a special cannula for selective left main coronary artery cannulation, Spontitz WD; Oliner JD; Gascho JA; et al, *JCU* 1986; 14: 742
- persisting myocardial sinusoids of both ventricles as an isolated anomaly: echocardiographic, angiographic, and pathologic anatomical findings, Jenni R; Goebel N; Tartini R; et al, *Cardiovasc Intervent Radiol* 1986; 9: 127
- two-dimensional and Doppler echocardiography in acute myocardial infarction and its complications, Assmann PE; Roelandt JRTC, *Ultrasound Med Biol* 1987; 13: 507

Myoma

- association of a gravid uterus with a myoma: a case report, Meher C; William RR; Reddy RG, *Australas Radiol* 1987; 31: 68
- asymptomatic leiomyosarcoma of the inferior vena cava: incidental finding at ultrasonography, Cederlund C-G; Edin R, *Acta Radiol* 1987; 28: 181
- bladder leiomyoma: advantages of sonography over computed tomography, Illescas FF; Baker ME; Weinert JL, *Urol Radiol* 1986; 8: 216
- case report 392, Hilpert PL; Radecki PD; Edmonds P; et al, *Skeletal Radiol* 1986; 15: 570
- case report 421, Lubbers PR; Chandra R; Markle BM; et al, *Skeletal Radiol* 1987; 16: 252

computed tomography of leiomyosarcoma of the inferior vena cava, Schnyder P; Boumghar M; Doenz F, *Eur J Radiol* 1987; 7: 206

CT and MR demonstration of leiomyosarcoma of inferior vena cava, van Zanten TEG; Golding RP, *JCAT* 1987; 11: 670

CT and MR imaging of leiomyosarcoma of the inferior vena cava, van Rooij WJJ; Martens F; Verbeeten B Jr; et al, *JCAT* 1988; 12: 415

cystic pedunculated leiomyomas of the uterus with unusual CT manifestations, Togashi K; Nishimura K; Nakano Y; et al, *JCAT* 1986; 10: 642

delayed accumulation (flip flop) of Tc-99m DTPA in a leiomyosarcoma, Slavin JD Jr; Mack JM; Spencer RP, *Clin Nucl Med* 1988; 13: 654

detection of small bowel leiomyosarcoma during a Meckel's scan, Moote D; Ehrlich L; Martin RH, *Clin Nucl Med* 1987; 12: 152

diagnostic approach to pulmonary lymphangiomyomatosis: case report, Bertolani M; Romagnoli R; Barbolini G, *Eur J Radiol* 1987; 7: 60

esophageal leiomyoma arising in an epiphrenic diverticulum, Hamilton S, *Eur J Radiol* 1988; 8: 118

gastric leiomyosarcoma: comparative value of barium examinations, ultrasonography and CT scans, Bruneton JN; Caramella E; Cazenave P; et al, *Eur J Radiol* 1987; 7: 160

general case of the day: annual meeting, 1985, Muhm JR, *Radiographics* 1986; 6: 914

ileal leiomyosarcoma and leiomyoma: false-positive scintiscans for Meckel's diverticulum, Dunn EC; Farman J; Teitcher J; et al, *Clin Nucl Med* 1987; 12: 440

intracardiac extension of intravenous leiomyomatosis, Kaszar-Seibert DJ; Gauvin GP; Rogoff PA; Vittimberga FJ; Margolis S; Hilgenberg AD; Saal DK; Goldsmith GO, *Radiology* 1988; 168: 409

leiomyoma causing massive gastrointestinal blood loss: a case report, Walters NA; Thomson KR, *Australas Radiol* 1988; 32: 138

leiomyoma of the bladder, Wenz W; Sommerkamp H; Dinkel E, *Urol Radiol* 1986; 8: 114

leiomyoma of the bladder: sonographic and urographic findings, Bornstein I; Charboneau JW; Hartman GW, *J Ultrasound Med* 1986; 5: 407

leiomyomas in pregnancy: sonographic study, Lev-Toaff AS; Coleman BG; Arger PH; Mintz MC; Arenson RL; Toaff ME, *Radiology* 1987; 164: 375

leiomyosarcoma metastatic to the brain: CT features and review, Haykal HA; Wang A-M; Zamani A, *AJNR* 1987; 8: 911

leiomyosarcoma of the inferior vena cava (IVC) with intracardiac extension, Gutierrez OH; Desai S; Burgener FA, *Eur J Radiol* 1986; 6: 153

leiomyosarcoma of the inferior vena cava: ultrasonographic appearance, Bousquet J-C; Goze A; Hassan M; et al, *J Ultrasound Med* 1987; 6: 7

leiomyosarcoma of the portal vein, Wilson SR; Hine AL, *AJR* 1987; 149: 183

leiomyosarcoma of the superior vena cava: diagnosis by cardiac gated MR, Lupetin AR; Dash N; Beckman I, *Cardiovasc Intervent Radiol* 1986; 9: 103

multiple mystifying melaenas, Price J; McGuire LJ; Chan MSY, *Br J Radiol* 1988; 61: 521

partial biliary obstruction due to adenomyoma of the terminal common bile duct, Gilbert LA; Park YS; Ally KM, *Clin Nucl Med* 1986; 11: 216

primary leiomyosarcoma of bone: a clinical, radiographic, pathologic-anatomic, and prognostic study of 16 cases, Berlin O; Angervall L; Kindblom L-G; et al, *Skeletal Radiol* 1987; 16: 364

primary leiomyosarcoma of the lung in a girl, Beluffi G; Bertolotti P; Mietta A; et al, *Pediatr Radiol* 1986; 16: 240

radiological diagnosis of leiomyosarcoma of the inferior vena cava, Lok AS-F; Wong K-P; Lee P-K; et al, *Clin Radiol* 1986; 37: 403

sonographic diagnosis of leiomyosarcoma of the inferior vena cava: correlation with computed tomography and angiography, Fong KW; Zalev AH, *J Canad Assoc Radiol* 1987; 38: 229

technetium-99m DTPA uptake in uterine leiomyoma, El-Gazzar AH; Mahmoud AR; Abdel-Dayem HM, *Clin Nucl Med* 1988; 13: 29

technetium-99m labeled RBC imaging in gastrointestinal bleeding from gastric leiomyoma, Joseph UA; Jhingran SG, *Clin Nucl Med* 1988; 13: 23

technetium-99m RBC scintigraphy in the evaluation of small bowel leiomyoma, McDonald KL, *Clin Nucl Med* 1987; 12: 131

uterine leiomyomas: correlation of MR, histopathologic findings, and symptoms, Hricak H; Tscholakoff D; Heinrichs L; Fisher MR; Doores GC; Reinhold C; Jaffe RB, *Radiology* 1986; 158: 385

Myopathy
See Muscles, diseases

Myosarcoma
adrenal-cell carcinoma and rhabdomyosarcoma occurring in father and daughter: "SBLA" syndrome?, Tomlinson MJ; Bullimore JA, *Br J Radiol* 1987; 60: 89

embryonal rhabdomyosarcoma of the biliary tree in children: case report, Arnaud O; Boscq M; Asquier E; et al, *Pediatr Radiol* 1987; 17: 250

imaging of rhabdomyosarcomas of the head and neck, Latack JT; Hutchinson RJ; Heyn RM, *AJNR* 1987; 8: 353

magnetic resonance, pathology and physiology of the BA1112 rhabdomyosarcoma in vivo, Sostman D; Rockwell S; Smith GJW; et al, *Invest Radiol* 1988; 23: 277

orbital rhabdomyosarcoma in childhood, Vade A; Armstrong D, *Radiol Clin North Am* 1987; 25: 701

preliminary results of alternating combination chemotherapy (CT) and hyperfractionated radiotherapy (HART) in advanced rhabdomyosarcoma (RMS), Mandell LR; Ghavimi F; Exelby P; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 197

primary pulmonary rhabdomyosarcoma of the lung in children: report of two cases presenting with spontaneous pneumothorax, (ab), Allan BT; Day DL; Dehner LP, *Radiology* 1987; 165: 591

radiotherapy of the rhabdomyosarcoma R1H of the rat: the influence of the number of fractions on tumor and skin response, Wüschmidt F; Vogler H; Beck-Bornholdt H-P, *Int J Radiat Oncol Biol Phys* 1988; 14: 497

rhabdomyosarcoma of the prostate: MR findings, Bartolozzi C; Selli C; Olmastroni M; et al, *AJR* 1988; 150: 1333

ultrasonography and computed tomography for diagnosis and follow-up of biliary duct rhabdomyosarcomas in children, Geoffray A; Couanet D; Montagne JP; et al, *Pediatr Radiol* 1987; 17: 127

ultrasonography and computed tomography for diagnosis and follow-up of pelvic rhabdomyosarcomas in children, Geoffray A; Couanet D; Montagne JP; et al, *Pediatr Radiol* 1987; 17: 132

ultrasound appearance of biliary rhabdomyosarcoma, Williams AG Jr; Sheward SE, *JCU* 1986; 14: 63

Myositis
computed tomography in the assessment of myonecrosis, Farmlott EJ; Fishman EK; Magid D; et al, *J Canad Assoc Radiol* 1987; 38: 278

magnetic resonance imaging of musculoskeletal infections, Modic MT; Pflanze W; Feiglin DH; et al, *Radiol Clin North Am* 1986; 24: 247

magnetic resonance imaging of pyomyositis, Yuh WTC; Schreiber AE; Montgomery WJ; et al, *Skeletal Radiol* 1988; 17: 190

visualization of soft tissue by technetium-99m MDP in polymyositis: case reports, Otsuka N; Fukunaga M; Ono S; et al, *Clin Nucl Med* 1988; 13: 291

Myositis ossificans
case report 385, Loevinger E; Schabel SI; Davis CS III; et al, *Skeletal Radiol* 1986; 15: 492

case report 488, Ackerman L; Ramamurthy S; Jablonsky V; et al, *Skeletal Radiol* 1988; 17: 310

gallium uptake in myositis ossificans: potential pitfalls in diagnosis, Salzman L; Lee VW; Grant P, *Clin Nucl Med* 1987; 12: 308

heterotopic ossification (myositis ossificans) in acquired immune deficiency syndrome: detection by gallium scintigraphy, Drane WE; Tipler BM, *Clin Nucl Med* 1987; 12: 433

Myxoma
adrenocortical micronodular dysplasia, cardiac myxomas, lentiginous, and spindle cell tumors, (ab), Danoff A; Jormark S; Lorber D; et al, *Radiology* 1987; 164: 293

cardiac myxoma: a review, (ab), Markel ML; Waller BF; Armstrong WF, *Radiology* 1987; 165: 884

case of the season, Gilkey SH, *Semin Roentgenol* 1987; 22: 65

hemodynamic consequences of left atrial myxomas as assessed by Doppler ultrasound, (ab), Panidis IP; Mintz GS; McAllister M, *Radiology* 1987; 162: 886

malignant clinical behavior of cardiac myxomas and "myxoid imitators", (ab), Attum AA; Johnson GS; Masri Z; et al, *Radiology* 1988; 166: 912

metastatic brain tumor of atrial myxoma, Kadota T; Imakita S; Mitomo M; et al, *Neuroradiol* 1987; 29: 218

ultrasound and computed tomographic findings in aggressive angiosarcoma of the uterine cervix, Yaghoobian J; Zinn D; Ramanathan K; et al, *J Ultrasound Med* 1987; 6: 209

N

Nasofrontal duct
nasofrontal duct: CT in frontal sinus trauma, Harris L; Marano GD; McCorkle D, *Radiology* 1987; 165: 195

Nasopharynx
embolization of epistaxis and juvenile nasopharyngeal angiofibromas, Davis KR, *AJNR* 1986; 7: 953

normal nasopharyngogram, Khoo FY; Nagasantharam R; Chia KB; et al, *AJR* 1986; 147: 145

re-evaluation of the nasopharyngeal soft tissue sign, Watson EA; Cameron D, *Australas Radiol* 1988; 32: 73

Nasopharynx, abnormalities
nasal airway obstruction: CT assessment, Chinwuba C; Wallman J; Strand R, *Radiology* 1986; 159: 503

Nasopharynx, anatomy
anatomic basis of the pseudotumor of the nasal cavity, Sistrom CL; Keats TE; Johnson CM III, *AJR* 1986; 147: 782

MR imaging of the nasopharynx and floor of the middle cranial fossa, part I. normal anatomy, Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benton JR; Hanafey WN, *Radiology* 1987; 164: 811

Nasopharynx, CT
bony inlet stenosis as a cause of nasal airway obstruction, Ey EH; Han BK; Towbin RB; Jaun W-K, *Radiology* 1988; 168: 477

computed tomography of lethal midline granuloma: 5 case reports, Ovtchinnikov S; Blin D; Rouanet JP; et al, *Eur J Radiol* 1988; 8: 145

computed tomography of the nasopharynx and related spaces, Smoker WRK; Gentry LR, *Semin US CT MR* 1986; 7: 107

Nasopharynx, MR studies
MR imaging of the nasopharynx and floor of the middle cranial fossa, part I. normal anatomy, Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benton JR; Hanafey WN, *Radiology* 1987; 164: 811

MR imaging of the nasopharynx and floor of the middle cranial fossa, part II. malignant tumors, Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benton JR; Hanafey WN, *Radiology* 1987; 164: 817

value of magnetic resonance imaging in treatment planning of nasopharyngeal carcinoma, Curran WJ; Hackney DB; Blitzer PH; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2189

Nasopharynx, neoplasms
acute and late toxicity associated with sequential bleomycin-containing chemotherapy regimens and radiation therapy in the treatment of carcinoma of the nasopharynx, Peters LJ; Harrison ML; Dimery IW; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 623

- adjunctive chemotherapy to radical radiation therapy in the treatment of advanced nasopharyngeal carcinoma. Teo P; Ho JHC; Choy D; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 679
 - chemotherapy for aggressive juvenile nasopharyngeal angiofibroma. (ab). Goepfert H; Cangir A; Lee Y-Y. *Radiology* 1986; 159: 287
 - computed tomography of lethal midline granuloma: 5 case reports. Ovtchinnikoff S; Blin D; Rouanet JP; et al. *Eur J Radiol* 1988; 8: 145
 - CT appearance of hemangiopericytoma. Alpern MB; Thorsen MK; Kellman GM; et al. *JCA* 1986; 10: 264
 - CT diagnosis of an atypical nasopharyngeal teratoma in a newborn. Senac MO Jr; Segall HD. *AJNR* 1987; 8: 710
 - direct multiplanar computed tomography in planning radiotherapy for malignant tumours of the nasopharynx. Silvestre ME; Medina E; Andrea M; et al. *Clin Radiol* 1986; 37: 15
 - elusive nasopharyngeal hamartoma in a neonate. Cook KL; DiPietro MA; Bogdasarian RS. *Pediatr Radiol* 1988; 18: 351
 - gallium-67 imaging of undifferentiated nasopharyngeal carcinoma. Solfaneli S; Fazzi P; Ghilardi PL; et al. *Clin Nucl Med* 1987; 12: 829
 - hypertrophic osteoarthropathy in nasopharyngeal carcinoma of a child. Ladeb MF; Chaabane M; Gannouni A. *Pediatr Radiol* 1988; 18: 339
 - improved survival of patients with nasopharyngeal squamous cell carcinoma. Yamashita S; Kondo M; Inuyama Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 307
 - MR imaging of the nasopharynx and floor of the middle cranial fossa. part II. malignant tumors. Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benton JR; Hanafee WN. *Radiology* 1987; 164: 817
 - nasopharyngeal carcinoma: evaluation of 134 patients treated between 1971-1980. (ab). Dickson RI; Flores AD. *Radiology* 1986; 158: 861
 - nasopharyngeal carcinoma: result of treatment with cis-diamminedichloroplatinum II, 5 fluorouracil, and radiation therapy. Atchartakarn V; Kraiphibul P; Clongsusuek P; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 461
 - nasopharyngeal carcinoma: review of cases treated by radiotherapy and chemotherapy. Khoury GG; Paterson ICM. *Clin Radiol* 1987; 38: 17
 - persistent cervical adenitis and nasopharyngeal carcinoma in children. Norton KI; Som PM; Shugar JMA. *CT* 1987; 11: 275
 - re-irradiation of recurrent nasopharyngeal carcinoma—treatment techniques and results. Wang CC. *Int J Radiat Oncol Biol Phys* 1987; 13: 953
 - value of magnetic resonance imaging in treatment planning of nasopharyngeal carcinoma. Curran WJ; Hackney DB; Blitzer PH; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2189
- ## Nasopharynx, stenosis
- bony inlet stenosis as a cause of nasal airway obstruction. Ey EH; Han BK; Towbin RB; Jaun W-K. *Radiology* 1988; 168: 477
 - nasopharyngeal stenosis. (ab). Cotton RT. *Radiology* 1986; 158: 286
- ## Nasopharynx, therapeutic radiology
- acute and late toxicity associated with sequential bleomycin-containing chemotherapy regimens and radiation therapy in the treatment of carcinoma of the nasopharynx. Peters LJ; Harrison ML; Dimery IW; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 623
 - adjunctive chemotherapy to radical radiation therapy in the treatment of advanced nasopharyngeal carcinoma. Teo P; Ho JHC; Choy D; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 679
 - cytindroma of the nasopharynx: chronic disease. Yin ZY; Wu XL; Hu YH; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 25
 - improved survival of patients with nasopharyngeal squamous cell carcinoma. Yamashita S; Kondo M; Inuyama Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 307
- ## nasopharyngeal carcinoma: result of treatment with cis-diamminedichloroplatinum II, 5 fluorouracil, and radiation therapy.
- Atchartakarn V; Kraiphibul P; Clongsusuek P; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 461
- ## nasopharyngeal carcinoma: review of cases treated by radiotherapy and chemotherapy.
- Khouri GG; Paterson ICM. *Clin Radiol* 1987; 38: 17
- ## re-irradiation of recurrent nasopharyngeal carcinoma—treatment techniques and results.
- Wang CC. *Int J Radiat Oncol Biol Phys* 1987; 13: 953
- ## remote afterloading techniques for the treatment of nasopharyngeal and endometrial cancer.
- Denham JW; Baldacchino AC; Gutte J; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 191
- ## technique for interstitial nasopharyngeal brachytherapy.
- Harrison LB; Weissberg JB. *Int J Radiat Oncol Biol Phys* 1987; 13: 451
- ## value of magnetic resonance imaging in treatment planning of nasopharyngeal carcinoma.
- Curran WJ; Hackney DB; Blitzer PH; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2189
- ## Neck
- V-shaped predens space. (ab). Bohrer SP; Klein A; Martin W. *Radiology* 1986; 158: 570
- ## Neck, angiography
- cervical Castleman disease: CT study with angiographic correlation. Koslin DB; Berland LL; Sekar BC. *Radiology* 1986; 160: 213
 - vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography. Gavanti ML; Gold RE; Fabian TC; Tonkin IL. *Radiology* 1986; 158: 755
- ## Neck, CT
- calcific tendinitis of the longus coli: diagnosis by CT. Hall FM; Docken WP; Curtis HW; et al. *AJR* 1986; 147: 742
 - cervical Castleman disease: CT study with angiographic correlation. Koslin DB; Berland LL; Sekar BC. *Radiology* 1986; 160: 213
 - common tumors of the parapharyngeal space: refined imaging diagnosis. Som PM; Sacher M; Stollman AL; Biller HF; Lawson W. *Radiology* 1988; 169: 81
 - computed tomography of acute cervical spine tendinitis. Newmark H III; Blackford D; Roberts D; et al. *CT* 1986; 10: 373
 - CT appearance of cervical lipoblastoma. Black WC; Burke JW; Feldman PS; et al. *JCAT* 1986; 10: 696
 - CT evaluation of the normal and diseased neck. Reede DL; Bergeron RT. *Semin US CT MR* 1986; 7: 181
 - diagnosis of internal jugular vein thrombosis. Albertson LE; Alcock MK. *Radiology* 1987; 162: 505
 - neck evaluation with barium-enhanced radiographs and CT scans after supraglottic subtotal laryngectomy. Niemeyer JH; Balfe DM; Hayden RE. *Radiology* 1987; 162: 493
 - sonography and computed tomography in deep cervical lipomas and lipomatosis of the neck. Gritzmman N; Schratter M; Traxler M; et al. *J Ultrasound Med* 1988; 7: 451
- ## Neck, cysts
- cystic hygromas in children: sonographic-pathologic correlation. Sheth S; Nussbaum AR; Hutchins GM; Sanders RC. *Radiology* 1987; 162: 821
 - sonographic study of fetal cystic hygromas. (ab). Chervenak FA; Isaacson G; Tortora M. *Radiology* 1986; 159: 576
 - subglottic cysts and asymmetrical subglottic narrowing on neck radiograph. Holinger LD; Toriumi DM; Anandappa EC. *Pediatr Radiol* 1988; 18: 306
- ## Neck, injuries
- penetrating vascular injuries of the face and neck: clinical and angiographic correlation. North CM; Ahmadi J; Segall HD; et al. *AJNR* 1986; 7: 855
 - traumatic atlantooccipital dislocation: two cases with survival. Bools JC; Rose BS. *AJNR* 1986; 7: 901
 - traumatic pneumocephalus caused by stab wound to the neck. Naseem M; Hood JD; Devasthali R. *AJNR* 1986; 7: 174
- ## vascular trauma to the extremities and lower neck: initial assessment with intravenous digital subtraction angiography.
- Gavanti ML; Gold RE; Fabian TC; Tonkin IL. *Radiology* 1986; 158: 755
- ## Neck, MR studies
- applications of magnetic resonance imaging to the head and neck. Dillon WP. *Semin US CT MR* 1986; 7: 202
 - common tumors of the parapharyngeal space: refined imaging diagnosis. Som PM; Sacher M; Stollman AL; Biller HF; Lawson W. *Radiology* 1988; 169: 81
 - demonstration of tumours of the parapharyngeal space by magnetic resonance imaging. Lloyd GAS; Phelps PD. *Br J Radiol* 1986; 59: 675
 - head and neck MR imaging in the pediatric patient. Dietrich RB; Lufkin RB; Kangaroo H; Hanafee WN; Wilson GH. *Radiology* 1986; 159: 769
 - head and neck radiology. RSNA '87 meeting notes. Som PM; Curtin HD; Hanafee WN. *Radiology* 1988; 166: 604
 - high-resolution MR imaging using loop-gap resonators: work in progress. Kneeland JB; Jesmanowicz A; Froncisz W; Grist TM; Hyde JS. *Radiology* 1986; 158: 247
 - magnetic resonance imaging of head and neck tumors. Dillon WP. *Cardiovasc Intervent Radiol* 1986; 8: 275
 - magnetic resonance imaging of the head and neck. Lufkin RB; Hanafee WN. *Invest Radiol* 1988; 23: 162
 - MR imaging of cavernous hemangioma of the face and neck. Itoh K; Nishimura K; Togashi K; et al. *JCAT* 1986; 10: 831
 - MR imaging of the supraclavicular region: normal anatomy. Kellman GM; Kneeland JB; Middleton WD; et al. *AJR* 1987; 148: 77
 - MRI of the head and neck. Lufkin RB; Hanafee WN. *Magn Res Imag* 1988; 6: 69
 - MRI of the upper aerodigestive tract and neck. Rafto SE; Gifter WB. *Radiol Clin North Am* 1988; 26: 547
 - neck neoplasms: MR imaging. part I. initial evaluation. Glazer HS; Niemeyer JH; Balfe DM; Devineni VR; Enami B; Hayden RE; Aronberg DJ; Levitt RG; Ward MP; Sagel SS; Lee JKT. *Radiology* 1986; 160: 343
 - neck neoplasms: MR imaging. part II. posttreatment evaluation. Glazer HS; Niemeyer JH; Balfe DM; Hayden RE; Aronberg DJ; Devineni VR; Levitt RG; Ward MP; Sagel SS; Lee JKT. *Radiology* 1986; 160: 349
 - tumors of the parapharyngeal space and upper neck: MR imaging characteristics. Som PM; Braun IF; Shapiro MD; Reede DL; Curtin HD; Zimmerman RA. *Radiology* 1987; 164: 823
- ## Neck, neoplasms
- advanced head and neck cancer: response to and toxicity of multimodality therapy. Chang H; Leone LA; Tefft M; Nigri PT. *Radiology* 1988; 168: 863
 - cervico-facial adenoid cystic carcinoma: study of 102 cases. influence of radiation therapy. Miglianico L; Eschwege F; Marandas P; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 673
 - CF-252 neutron brachytherapy of short duration for bulky neck tumors. Maruyama Y; Beach JL. *Int J Radiat Oncol Biol Phys* 1986; 12: 761
 - cisplatin as second line chemotherapy in advanced or recurrent squamous cell carcinoma of head and neck region. Keldsen N. *Acta Oncol* 1987; 26: 357
 - clinical significance of pathological findings in surgically resected margins of the primary tumor in head and neck carcinoma. Chen TY; Emrich LJ; Driscoll DL. *Int J Radiat Oncol Biol Phys* 1987; 13: 833
 - combined modality treatment of adult soft tissue sarcomas of the head and neck. McKenna WG; Barnes MM; Kinsella TJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1127
 - common tumors of the parapharyngeal space: refined imaging diagnosis. Som PM; Sacher M; Stollman AL; Biller HF; Lawson W. *Radiology* 1988; 169: 81
 - computed tomography of cervical lymph nodes: staging and management of head and neck cancer. (ab). Stevens MH; Harnsberger HR; Mancuso AA; et al. *Radiology* 1986; 161: 287

- CT appearance of cervical lipoblastoma, Black WC; Burke JW; Feldman PS; et al, *JCAT* 1986; 10: 696
- demonstration of tumours of the parapharyngeal space by magnetic resonance imaging, Lloyd GAS; Phelps PD, *Br J Radiol* 1986; 59: 675
- effectiveness of treatment of lymph nodes in cancers of the pyriform sinus and supraglottis, Spaulding CA; Hahn SS; Constable WC, *Int J Radiat Oncol Biol Phys* 1987; 13: 963
- elective neck irradiation for squamous cell carcinoma of the head and neck: analysis of time-dose factors and causes of failure, Mendenhall WM; Million RR, *Int J Radiat Oncol Biol Phys* 1986; 12: 741
- embolization in cataclysmal hemorrhage caused by squamous cell carcinomas of the head and neck, Wilner HI; Lazo A; Metes JJ; Beil KA; Nowack P; Jacobs J, *Radiology* 1987; 163: 759
- experience with thallium-201 imaging in head and neck cancer, El-Gazzar AH; Sahweil A; Abdel-Dayem HM; et al, *Clin Nucl Med* 1988; 13: 286
- extranodal lymphoma of the head and neck: review of 49 consecutive cases, (ab), McGurk M; Goepel JR; Hancock BW, *Radiology* 1986; 158: 861
- fast neutron therapy for squamous cell carcinoma in the head and neck region: results of a randomized trial, Duncan W; Orr JA; Arnott SJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 171
- guidelines for radiotherapeutic techniques for cervical metastases from an unknown primary, Carlson LS; Fletcher GH; Oswald MJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2101
- head and neck cancer, reliability of American Joint Committee's staging system as prognostic indicator, Ahmad K; Kim YH; Fayos JV, *Acta Oncol* 1987; 26: 173
- head and neck MR imaging in the pediatric patient, Dietrich RB; Lufkin RB; Kangaroo H; Hanafey WN; Wilson GH, *Radiology* 1986; 159: 769
- head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, Prows J; Janjan NA; Gillin MT; Wilson JF, *Radiology* 1988; 169: 831
- imaging of rhabdomyosarcomas of the head and neck, Latack JT; Hutchinson RJ; Heyn RM, *AJNR* 1987; 8: 353
- integration of chemotherapy into the combined modality therapy of head and neck squamous cancer, Taylor SG IV, *Int J Radiat Oncol Biol Phys* 1987; 13: 779
- intraoperative radiation therapy for advanced or recurrent head and neck cancer, Garrett P; Pugh N; Ross D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 785
- inverted papilloma: considerations in treatment, (ab), Woodson GE; Robbins KT; Michaels L, *Radiology* 1986; 161: 863
- lymph nodes of the neck, Som PM, *Radiology* 1987; 165: 593
- lymphomas of the head and neck: CT findings at initial presentation, Lee Y-Y; Van Tassel P; Nauert C; et al, *AJNR* 1987; 8: 665
- lymphomatous superficial lymph nodes: US detection, Bruneton J-N; Normand F; Balu-Maestro C; Kerboul P; Santini N; Thys A; Schneider M, *Radiology* 1987; 165: 233
- magnetic resonance imaging of head and neck tumors, Dillon WP, *Cardiovasc Intervent Radiol* 1986; 8: 275
- malignant teratoma of the parapharyngeal space in an adult: rare lesion presenting as cervical cord compression, Sacher M; Som PM; Lanzieri CF; et al, *CT* 1986; 10: 37
- metastatic carcinoma of the neck from an unknown primary, McCunniff AJ; Raben M, *Int J Radiat Oncol Biol Phys* 1986; 12: 1849
- metastatic hypernephroma to the head and neck, Som PM; Norton KI; Shugar JMA; et al, *AJNR* 1987; 8: 1103
- method of radiation treatment for advanced neck node metastases, Peracchia G; Salti C, *Int J Radiat Oncol Biol Phys* 1986; 12: 2197
- neck neoplasms: MR imaging, part I. initial evaluation, Glazer HS; Niemeyer JH; Balfe DM; Devineni VR; Emami B; Hayden RE; Aronberg DJ; Ward MP; Lee JKT; Sagel SS, *Radiology* 1986; 160: 349
- neck neoplasms: MR imaging, part II. posttreatment evaluation, Glazer HS; Niemeyer JH; Balfe DM; Hayden RE; Emami B; Devineni VR; Levitt RG; Aronberg DJ; Ward MP; Lee JKT; Sagel SS, *Radiology* 1986; 160: 349
- ninth annual del Regato lecture: optimal multidisciplinary management of head and neck cancer, Marcial VA, *Int J Radiat Oncol Biol Phys* 1987; 13: 393
- non-Hodgkin's lymphoma of the head and neck: CT evaluation of nodal and extranodal sites, Harnsberger HR; Bragg DG; Osborn AG; et al, *AJNR* 1987; 8: 673
- plasmacytoma of the head and neck, Gaffney CC; Dawes PJDK; Jackson D, *Clin Radiol* 1987; 38: 385
- primary cervical neuroblastoma: CT and MR findings, Casselman JW; Smet MH; Van Damme B; et al, *JCAT* 1988; 12: 684
- primary ectopic meningioma of the neck: MR features, Tampieri D; Pokrupa R; Melanson D; et al, *JCAT* 1987; 11: 1054
- problem of neck relapse in early stage supraglottic cancer—results of different treatment modalities for the clinically negative neck, Levendag P; Vikram B, *Int J Radiat Oncol Biol Phys* 1987; 13: 1621
- prognostic significance of lymph node involvement in pyriform sinus and supraglottic cancers, Hahn SS; Spaulding CA; Kim J-A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1143
- radical neck dissections for squamous carcinomas: pathological findings and their clinical implications with particular reference to transcapsular spread, Carter RL; Bliss JM; Soo K-C; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 825
- radioresistant tumor cells are present in head and neck carcinomas that recur after radiotherapy, Weichselbaum RR; Beckett MA; Schwartz JL; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 575
- role of radiotherapy in the management of adenoid cystic carcinoma of the head and neck, Horuchi J; Shibuya H; Suzuki S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1135
- second primary cancers of the head and neck following treatment of initial primary head and neck cancers, Parker RG; Enstrom JE, *Int J Radiat Oncol Biol Phys* 1988; 14: 561
- sequential chemo-radiotherapy in locally advanced squamous cell carcinoma of the head and neck, Wendt TG; Chucholowski M; Hartenstein R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 397
- sonography of neck masses in children, Kraus R; Han BK; Babcock DS; et al, *AJR* 1986; 146: 609
- squamous cell carcinoma of the head and neck treated with radiation therapy: role of neck dissection for clinically positive neck nodes, Mendenhall WM; Million RR; Cassisi NJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 733
- treatment of advanced head and neck cancer with accelerated fractionation, Gray AJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 9
- tumors of the parapharyngeal space, (ab), Shoss SM; Donovan DT; Alford BR, *Radiology* 1986; 161: 286
- tumors of the parapharyngeal space and upper neck: MR imaging characteristics, Som PM; Braun IF; Shapiro MD; Reede DL; Curtin HD; Zimmerman RA, *Radiology* 1987; 164: 823
- ultrasonic evaluation of cervical metastatic lymphadenopathy, Sakai F; Kiyono K; Sone S; et al, *J Ultrasound Med* 1988; 7: 305
- vascular neck lesion from bronchogenic carcinoma, Slavin JD Jr; Grimmer AP; Spencer RP, *Clin Nucl Med* 1987; 12: 65
- Neck, radiography**
- radioanatomy of upper airways in flexion and retroflexion of the neck, Penning L, *Neuroradiol* 1988; 30: 17
- Neck, therapeutic radiology**
- accelerated irradiation of cervical node metastases, Nguyen TD; Froissart D; Panis X, *Radiology* 1987; 163: 815
- advanced head and neck cancer: response to and toxicity of multimodality therapy, Chang H; Leone LA; Tefft M; Nigri PT, *Radiology* 1988; 168: 863
- analysis of late complications after rapid hyperfractionated radiotherapy in advanced head and neck cancers, Nguyen TD; Panis X; Froissart D; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 23
- cervico-facial adenoid cystic carcinoma: study of 102 cases, influence of radiation therapy, Miglianico L; Eschwege F; Marandas P; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 673
- CF-252 neutron brachytherapy of short duration for bulky neck tumors, Maruyama Y; Beach JL, *Int J Radiat Oncol Biol Phys* 1986; 12: 761
- charged particle radiotherapy of selected tumors in the head and neck, Castro JR; Reimers MM, *Int J Radiat Oncol Biol Phys* 1988; 14: 711
- combined modality treatment of adult soft tissue sarcomas of the head and neck, McKenna WG; Barnes MM; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1127
- daily reproducibility of large, complex-shaped radiotherapy fields to the thorax and neck, Griffiths SE; Pearcey RG, *Clin Radiol* 1986; 37: 39
- early results of the EORTC randomized clinical trial on multiple fractions per day (MFD) and misonidazole in advanced head and neck cancer, van den Bogaert W; van der Schueren E; Horiot J-C; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 587
- effectiveness of treatment of lymph nodes in cancers of the pyriform sinus and supraglottis, Spaulding CA; Hahn SS; Constable WC, *Int J Radiat Oncol Biol Phys* 1987; 13: 963
- elective lower neck irradiation: 5000 cGy/25 fractions versus 4050 cGy/15 fractions, Mendenhall WM; Parsons JT; Million RR, *Int J Radiat Oncol Biol Phys* 1988; 15: 439
- elective neck irradiation for squamous cell carcinoma of the head and neck: analysis of time-dose factors and causes of failure, Mendenhall WM; Million RR, *Int J Radiat Oncol Biol Phys* 1986; 12: 741
- elective neck irradiation in the treatment of cancer of the oral tongue, Leborgne F; Leborgne JH; Baricci LA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1149
- evaluation of treatment response to radiotherapy in head and neck cancer with fluorine-18 fluorodeoxyglucose, Minn H; Paul R; Ahonen A, *J Nucl Med* 1988; 29: 1521
- failure of misonidazole-sensitized radiotherapy to impact upon outcome among stage III-IV squamous cancers of the head and neck, Fazekas J; Pajak TF; Wasserman T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1155
- fast neutron therapy for squamous cell carcinoma in the head and neck region: results of a randomized trial, Duncan W; Orr JA; Arnott SJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 171
- guidelines for radiotherapeutic techniques for cervical metastases from an unknown primary, Carlson LS; Fletcher GH; Oswald MJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2101
- head and neck: cancer research plan, Marcial VA; van den Bogaert W; Horiot J-C, *Int J Radiat Oncol Biol Phys* 1988; 14: S119
- head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, Prows J; Janjan NA; Gillin MT; Wilson JF, *Radiology* 1988; 169: 831
- hyperfractionation for head and neck cancer, Parsons JT; Mendenhall WM; Cassisi NJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 649
- integration of chemotherapy into the combined modality therapy of head and neck squamous cancer, Taylor SG IV, *Int J Radiat Oncol Biol Phys* 1987; 13: 779
- intercomparison of two dynamic treatment techniques, ring scan and spot scan, for head and neck tumors with the Pirotton, Takai M; Blattmann H; Pedroni E, *Int J Radiat Oncol Biol Phys* 1988; 14: 1025
- intraoperative radiation therapy for advanced or recurrent head and neck cancer, Garrett P; Pugh N; Ross D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 785

Neck, therapeutic radiology

- metastatic carcinoma of the neck from an unknown primary, McCunniff AJ; Raben M, *Int J Radiat Oncol Biol Phys* 1986; 12: 1849
- method of radiation treatment for advanced neck node metastases, Peracchia G; Salti C, *Int J Radiat Oncol Biol Phys* 1986; 12: 2197
- MRI assisted treatment planning for radiation therapy of the head and neck, Toonkel LM; Soila K; Gilbert D; et al, *Magn Res Imag* 1988; 6: 315
- ninth annual del Regato lecture: optimal multidisciplinary management of head and neck cancer, Marcial VA, *Int J Radiat Oncol Biol Phys* 1987; 13: 393
- oedema of the neck after ablation of the thyroid with radioactive iodine, Golden AWC; Kam KC; Fitzpatrick ML; et al, *Br J Radiol* 1986; 59: 583
- patient immobilization during CT for treatment planning of head and neck cancer, Sewchand W; Aygun C; Nicholson G; Salazar OM, *Radiology* 1986; 158: 251
- problem of neck relapse in early stage supraglottic cancer—results of different treatment modalities for the clinically negative neck, Levendag P; Vikram B, *Int J Radiat Oncol Biol Phys* 1987; 13: 1621
- prognostic factors for loco/regional control and metastasis and the impact on survival, Kramer S; Marcial VA; Pajak TF; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 573
- radiation therapy in hyperbaric oxygen for head and neck cancer at Royal Adelaide Hospital—1964 to 1980, Denham JW; Yeoh EK; Wittwer G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 201
- radical radiation alone versus radical radiation plus microwave hyperthermia for N₂ (TNM-UICC) neck nodes: a prospective randomized clinical trial, Valdagni R; Amicetti M; Pani G; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 13
- randomised clinical trial to contrast radiotherapy with radiotherapy and methotrexate given synchronously in head and neck cancer, Gupta NK; Poinon RCS; Wilkinson PM, *Clin Radiol* 1987; 38: 575
- randomized study of adjuvant chemotherapy for cancer of the upper aerodigestive tract, Kun LE; Toohill RJ; Holoye PY; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 173
- re-irradiation of advanced tumors of the head and neck with fast neutrons, Errington RD; Catterall M, *Int J Radiat Oncol Biol Phys* 1986; 12: 191
- re-irradiation of recurrent head and neck cancer with fast neutrons, Skofyszewski J; Korzeniowski S, *Br J Radiol* 1988; 61: 527
- results of fast neutron therapy in advanced head and neck cancer, Skofyszewski J; Korzeniowski S; Huczkowski J, *Br J Radiol* 1988; 61: 301
- role of radiotherapy in the management of adenoid cystic carcinoma of the head and neck, Horiuchi J; Shibuya H; Suzuki S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1135
- short-course neutron therapy for advanced head and neck cancer, Skofyszewski J; Fowler JF; Huczkowski J, *Br J Radiol* 1988; 61: 857
- squamous cell carcinoma of the head and neck treated with radiation therapy: role of neck dissection for clinically positive neck nodes, Mendenhall WM; Million RR; Cassini NJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 733
- squamous cell carcinoma of the head and neck treated with radiation therapy: the impact of neck stage on local control, Mendenhall WM; Parsons JT; Amdur RJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 249
- treatment of advanced head and neck cancer with concomitant radiation and chemotherapy, Murthy AK; Taylor SG; Showel J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1807

Neck, US studies

- cystic hygromas in children: sonographic-pathologic correlation, Sheth S; Nussbaum AR; Hutchins GM; Sanders RC, *Radiology* 1987; 162: 821

- diagnosis of internal jugular vein thrombosis, Albertyn LE; Alcock MK, *Radiology* 1987; 162: 505
- medullary thyroid carcinoma: role of high-resolution US, Gorman B; Charboneau JW; James EM; Reedling CC; Wold LE; Grant CS; Gharib H; Hay ID, *Radiology* 1987; 162: 147
- sonographic findings in a case of Castleman disease of the neck, Williams JL; Kaude JV, *J Ultrasound Med* 1986; 5: 593
- sonography and computed tomography in deep cervical lipomas and lipomatosis of the neck, Grizmann N; Schratter M; Traxler M; et al, *J Ultrasound Med* 1988; 7: 451
- sonography of neck masses in children, Kraus R; Han BK; Babcock DS; et al, *AJR* 1986; 146: 609
- Neoplasms**
- See also Radiations, injurious effects, neoplastic; Radiobiology; Therapeutic radiology; under names of organs and regions; under names of individual neoplasms
- cancer genes: their clinical potential, Sikora K, *Clin Radiol* 1986; 37: 415
- cancer: the consequences of cure, Malpas JS, *Clin Radiol* 1988; 39: 166
- food preferences, nutrient intake and nutritional status in cancer patients, Enig B; Petersen HN; Smith DF; et al, *Acta Oncol* 1987; 26: 301
- occult malignant neoplasm in patients with deep venous thrombosis, (ab), Goldberg RJ; Seneff M; Gore JM; et al, *Radiology* 1987; 164: 292
- oncogenes for the oncologist, Ponten J, *Acta Oncol* 1987; 26: 3
- psycho-endocrinological reactions in female relatives of cancer patients: effects of an activation programme, Theorell T; Häggmark C; Eneroth P, *Acta Oncol* 1987; 26: 419
- reliability of record linkage in the Swedish Cancer-Environment Register, Wiklund K; Eklund G, *Acta Oncol* 1986; 25: 11
- retroviruses and the genetics of cancer, Temin HM, *Int J Radiat Oncol Biol Phys* 1988; 15: 543
- role of proto-oncogenes in human cancer: implications for diagnosis and treatment, Cline MJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1297
- theoretical evaluation of expected changes in oxygenation of tumors associated with different hemoglobin levels, Degner FL; Sutherland RM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1291

Neoplasms, blood supply

- autonomy extends to the arterial supply of rapidly growing tumors: studies on the feeder vessel to carcinoma in rat testis, Paskins-Hurlburt AJ; McCracken S; Hollenberg NK, *Invest Radiol* 1986; 21: 455
- blood flow to experimental renal tumors, Goldman SM; Scheffel UA; Hilton J; et al, *Invest Radiol* 1986; 21: 459
- blood supply of pulmonary metastases, Milne ENC; Zerhouni EA, *J Thorac Imag* 1987; 2: 15
- correlation of Doppler US tumor signals with neovascular morphologic features, Taylor KJW; Ramos I; Carter D; Morse SS; Snower D; Fortune K, *Radiology* 1988; 166: 57
- detection of neovascular signals in a 3 day Walker 256 rat carcinoma by CW Doppler ultrasound, Ramos I; Fernandez LA; Morse SS; et al, *Ultrasound Med Biol* 1988; 14: 123
- is the division of heated tissue into temperature equivalent zones suitable for estimation of tumor blood flow from thermal clearance curves?, Groebe K; Kallinowski F; Vaupel P, *Int J Radiat Oncol Biol Phys* 1987; 13: 917
- microangiographic and histologic analysis of the effects of hyperthermia on murine tumor vasculature, Nishimura Y; Hiraoka M; Jo S; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 411
- MR of vascular encasement in parasellar masses: comparison with angiography and CT, Young SC; Grossman RI; Goldberg HI; et al, *AJNR* 1988; 9: 35
- oxygen distribution in squamous cell carcinoma metastases and its relationship to outcome of radiation therapy, Gatenby RA; Kessler HB; Rosenblum JS; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 831

- regional blood flow in human tumours measured with argon, krypton and xenon, Mäntylä M; Heikkonen J; Perkiö J, *Br J Radiol* 1988; 61: 379
- resident award essay: effect of temperature on blood flow and hypoxic fraction in a murine fibrosarcoma, Willett CG; Urano M; Suit HD; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1309
- response of human tumor blood flow to local hyperthermia, Waterman FM; Nerlinger RE; Moylan DJ III; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 75
- tumor vascular signals in renal masses: detection with Doppler US, Ramos IM; Taylor KJW; Kier R; Burns PN; Snower DP; Carter D, *Radiology* 1988; 168: 633
- visualization of tumor vascularity in a rabbit VX2 carcinoma by Doppler flow mapping, Rubin JM; Carson PL; Zlotnicki RA; et al, *J Ultrasound Med* 1987; 6: 113

Neoplasms, CT

- calcified lymph node metastases in bronchioloalveolar carcinoma, Mallens WMC; Nijhuis-Heddes JMA; Bakker W, *Radiology* 1986; 161: 103
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence, Freeny PC; Marks WM; Ryan JA; Bolen JW, *Radiology* 1986; 158: 347
- computed tomography of monkey brain tumors, Satoh T; Nakasone S; Matsumoto K; et al, *JCAT* 1986; 10: 827
- invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, Castelijns JA; Gerritsen GJ; Kaiser MC; Valk J; van Zanten TEG; Goldring RB; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB, *Radiology* 1988; 167: 199
- tumor response to thermoradiation therapy: use of CT in evaluation, Hiraoka M; Akuta K; Nishimura Y; Nagata Y; Jo S; Takahashi M; Abe M, *Radiology* 1987; 164: 259

Neoplasms, diagnosis

- analysis of malignant tumours of uncertain origin with immunohistological techniques: clinical follow-up, Robinson M; Alcock C; Gatter KC; et al, *Clin Radiol* 1988; 39: 432
- morphologic tumor markers, (ab), Triche TJ, *Radiology* 1988; 166: 296
- selective drug delivery systems, Mayhew E, *Invest Radiol* 1988; 23: 229
- use of a monoclonal antibody (B72.3) as a novel immunohistochemical adjunct for the diagnosis of carcinomas in fine needle aspiration biopsy specimens, (ab), Johnston WW; Szpak CA; Lottich SC; et al, *Radiology* 1986; 161: 864
- use of serum tumor markers in cancer diagnosis and management, (ab), Bates SE; Longo DL, *Radiology* 1988; 166: 296
- vagina: evaluation with MR imaging. part II. neoplasms, Chang YCF; Hricak H; Thurnher S; Lacey CG, *Radiology* 1988; 169: 175

Neoplasms, embolization

- See Arteries, therapeutic blockade

Neoplasms, experimental

- acute hypoxia in tumors: implications for modifiers of radiation effects, Chaplin DJ; Durand RE; Olive PL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1279
- adriamycin resistance, heat resistance and radiation response in Chinese hamster fibroblasts, Wallner K; Li GC, *Int J Radiat Oncol Biol Phys* 1986; 12: 829
- autonomy extends to the arterial supply of rapidly growing tumors: studies on the feeder vessel to carcinoma in rat testis, Paskins-Hurlburt AJ; McCracken S; Hollenberg NK, *Invest Radiol* 1986; 21: 455
- binding of ³H-misonidazole to solid human tumors as a measure of tumor hypoxia, Urtao RC; Chapman JD; Raleigh JA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1263
- blood flow to experimental renal tumors, Goldman SM; Scheffel UA; Hilton J; et al, *Invest Radiol* 1986; 21: 459
- carbamylation, inhibition of glutathione reductase and chemopotentiation of nitrosoureas by misonidazole, Mulcahy RT, *Int J Radiat Oncol Biol Phys* 1986; 12: 1393

- cell kinetics of normal and perturbed populations measured by incorporation of bromodeoxyuridine and flow cytometry, McNally NJ; Wilson GD. *Br J Radiol* 1986; 59: 1015
- cell proliferation in human tumours measured by *in-vivo* labelling with bromodeoxyuridine, Wilson GD; McNally NJ; Dische S; et al. *Br J Radiol* 1988; 61: 419
- cellular growth and metabolic adaptations to nutrient stress environments in tumor microregions, Sutherland R; Freyer J; Mueller-Klieser W; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 611
- Cf-252 leukemogenesis in the C57BL mouse, Feola JM; Maruyama Y; Pattarasumunt A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 69
- changes in energy metabolism following roentgen irradiation of *in vivo* growing Ehrlich ascites tumour cells studied by ³¹P magnetic resonance spectroscopy, Skog S; Nordell B; Ericsson A; et al. *Acta Oncol* 1986; 25: 63
- clinical trial of Fluosol DA 20% in advanced squamous cell carcinoma of the head and neck, Rose C; Lustig R; McIntosh N; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1325
- comparative biodistribution and radioprotection studies with three radioprotective drugs in mouse tumors, Rasey JS; Krohn KA; Menard TW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1487
- comparison of the heat and radiation sensitivity of rodent and human derived cells cultured *in vitro*, Roizin-Towle L; Pirro JP; McDowell J; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 647
- computed tomography of monkey brain tumors, Satoh T; Nakasone S; Matsumoto K; et al. *JCAT* 1986; 10: 827
- covalent binding of a fluorinated 2-nitroimidazole to EMT-6 tumors in BALB/C mice: detection by F-19 nuclear magnetic resonance at 2.35 T, Raleigh JA; Franko AJ; Treiber EO; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1243
- cross-link formation and chemopotentiation of EMT-6/Ro cells exposed to MISO after CCNU treatment *in vitro*, Mulcahy RT; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1389
- differential uptake of gallium-67-labeled liposomes between tumors and inflammatory lesions in rats, Ogihara I; Kojima S; Jay M; *J Nucl Med* 1986; 27: 1300
- distribution of iodized oil within the liver after hepatic arterial injection, Miller DL; O'Leary TJ; Gorton ME. *Radiology* 1987; 162: 849
- distribution of iodized oil within the liver after hepatic arterial injection, Park CH; Thakur ML; Madsen MT. *Radiology* 1987; 164: 585
- distribution of iodized oil within the liver after hepatic arterial injection: reply, Miller DL; Gorton ME; O'Leary TJ. *Radiology* 1987; 164: 586
- distribution of radiation sensitivities for human tumor cells of specific histological types: comparison of *in vitro* to *in vivo* data, Malaise EF; Fertl B; Chavaudra N; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 617
- dual-contrast MR imaging of liver cancer in rats, Weissleder R; Saini S; Stark DD; et al. *AJR* 1988; 150: 561
- effect of chelating agents on the distribution of monoclonal antibodies in mice, Ward MC; Roberts KR; Westwood JH; et al. *J Nucl Med* 1986; 27: 1746
- effect of L-buthionine sulfoximine on the aerobic radiation response of A549 human lung carcinoma cells, Biaglow JE; Varnes ME; Tuttle SW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1139
- effect of pre- or post-treatment with a calmodulin inhibitor (trifluoperazine) on the response to cytotoxic agents of cells within small EM76/Ca/VAC spheroids, Kwok TT; Twentyman PR. *Int J Radiat Oncol Biol Phys* 1986; 12: 1359
- effect of the radiosensitizer misonidazole and the radioprotector diethyldithiocarbamate on spontaneous metastasis formation of murine tumors, Milas L; Hunter N; Basic I; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1071
- effect of tumor colony definition on ionizing radiation survival curves of melanoma-colony forming cells, Yohem KH; Bregman MD; Meyakens FL Jr. *Int J Radiat Oncol Biol Phys* 1987; 13: 1725
- effects of changes in oxygen tension, pH, and glucose concentration on the response to CCNU of EM76 mouse tumor monolayer cells and multicellular spheroids, Kwok TT; Twentyman PR. *Int J Radiat Oncol Biol Phys* 1988; 14: 1221
- effects of cis-diamminedichloroplatinum (II) and radiation on the proliferation kinetics of mouse duodenal crypt cells and on a partially synchronized crypt cell population, Dewit L; Oussoren Y; Bartelink H; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1977
- effects of dose and scheduling on growth delay of the Lewis lung carcinoma produced by the perfluorochemical emulsion, Fluosol-DA*, Teicher BA; Rose CM. *Int J Radiat Oncol Biol Phys* 1986; 12: 1311
- effects of intravenously infused Fluosol-DA 20% in rats, West L; McIntosh N; Gendler S; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1319
- effects of MR imaging on murine natural killer cell cytotoxicity, Prasad N; Lotzova E; Thornby JL; et al. *AJR* 1987; 148: 415
- effects of purine nucleoside analogs on the response of the RIF-1 tumor to melphalan *in vivo*, Horsman MR; Brown DM; Hirst DG; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 801
- enhanced x ray sensitivity of human colon tumor cells by combination of N-methylformamide with chemotherapeutic agents, Leith JT; Lee ES; Leite DV; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1423
- enhanced uptake of intra-arterially injected anti-CEA monoclonal antibodies in human colonic cancer after mannitol infusion in an experimental model, Alström H; Carlsson L; Hedin A; et al. *Acta Oncol* 1987; 26: 453
- enhancement in the aerobic toxicity of misonidazole and SR-2508 by buthionine sulfoximine and 4-hydroxypyrazole: role of hydrogen peroxide, Tuttle SW; Biaglow JE; Varnes ME; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1161
- enhancement of radiation-induced cell kill by platinum complexes (carboplatin and iproplatin) in V79 cells, O'Hara JA; Douple EB; Richmond RC. *Int J Radiat Oncol Biol Phys* 1986; 12: 1419
- ferritin concentration and ¹³¹I-antiferritin tumor localization in an experimental hepatoma, Klein JL; Kopher KA; Rostock RA. *Int J Radiat Oncol Biol Phys* 1986; 12: 137
- flow cytometry as a tool for the prognostic assessment of human neoplasia, Mauro F; Teodori L; Schumann J; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 625
- glutathione levels and cytotoxicity of a thiol activated alkylating agent in human and mouse cells, Geard CR; Georgsson MA. *Int J Radiat Oncol Biol Phys* 1986; 12: 1179
- growth delay in a murine squamous cell tumor after local radiation and concurrent infusional 5-fluorouracil treatment, Weinberg M; Lapointe TA; Rauth AM. *Int J Radiat Oncol Biol Phys* 1986; 12: 1449
- heating deep seated eccentrically located tumors with an annular phased array system: comparative clinical study using two annular array operating configurations, Samulski TV; Kapp DS; Fessenden P; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 83
- heavy charged-particle induced lesions in rabbit cerebral cortex, Woodruff KH; Lyman JT; Fabrikant JL. *Int J Radiat Oncol Biol Phys* 1988; 14: 301
- heterogeneity of radiation response of a parent human epidermoid carcinoma cell line and four clones, Weichselbaum RR; Beckett MA; Dahlberg W; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 907
- ¹H-NMR relaxation times and water compartmentalization in experimental tumor models, Braunschweiger PG; Schiffer LM; Furmanski P. *Magn Res Imag* 1986; 4: 335
- improved radioimmunoimaging of human tumor xenografts by a mixture of monoclonal antibody F(ab')₂ fragments, Munz DL; Alavi A; Koprowski H; et al. *J Nucl Med* 1986; 27: 1739
- increased ²⁵²Cf therapeutic advantage for an advanced murine lymphoma (LSA) growing *in vivo*, Maruyama Y; Darwazeh NR; Magura C. *Br J Radiol* 1988; 61: 312
- increase in tumor pO₂ by perfluorochemicals and carbogen, Hasegawa T; Rhee JG; Levitt SH; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 569
- induction characteristics of oxygen regulated proteins, Heacock CS; Sutherland RM. *Int J Radiat Oncol Biol Phys* 1986; 12: 1287
- influence of tumor stage and metastasis on the biodistribution of gallium-67 citrate in the murine Lewis lung carcinoma model, Kancierz A; Wiebe LI; Luu K; et al. *J Nucl Med* 1988; 29: 1252
- influence of WR 2721 on radiation response of canine soft tissue sarcomas, McChesney SL; Gillette EL; Dewhurst MW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1957
- inhibition of potentially lethal radiation damage repair in normal and neoplastic human cells by 3-aminobenzamide: an inhibitor of poly(ADP-ribosylation), Thraves PJ; Mossman KL; Frazier DT; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1541
- interaction of bleomycin, hyperthermia and a calmodulin inhibitor (trifluoperazine) in mouse tumor cells, Smith PJ; Mischeva J; Bleehen NM. *Int J Radiat Oncol Biol Phys* 1986; 12: 1363
- interaction of irradiation and microwave-induced hyperthermia in the Dunning R3327G prostatic adenocarcinoma model, Gottlieb CF; Seibert GB; Block NL. *Radiology* 1988; 169: 243
- interaction of nitroimidazole sensitizers with drug metabolizing enzymes—spectral and kinetic studies, Lee FYF; Workman P. *Int J Radiat Oncol Biol Phys* 1986; 12: 1383
- interactions of radiation, cyclophosphamide and nimorazole in a C3H mammary carcinoma *in vivo*, Zachariae C; Overgaard J. *Int J Radiat Oncol Biol Phys* 1986; 12: 1445
- in vitro* binding of ¹⁴C-misonidazole to hepatocytes and hepatoma cells, Van Os-Corby DJ; Chapman JD. *Int J Radiat Oncol Biol Phys* 1986; 12: 1251
- lactate-induced inhibition of tumor cell proliferation, Marx E; Mueller-Klieser W; Vausep P. *Int J Radiat Oncol Biol Phys* 1988; 14: 947
- localization of human osteogenic sarcoma xenografts in nude mice by a monoclonal antibody labeled with radiiodine and indium-111, Sakahara H; Endo K; Nakashima T; et al. *J Nucl Med* 1987; 28: 342
- magnetic resonance imaging evaluation of radiation-induced changes in experimentally implanted renal cell carcinoma, Demas BE; Hricak H; Williams RD; et al. *Invest Radiol* 1987; 22: 206
- microangiographic and histologic analysis of the effects of hyperthermia on murine tumor vasculature, Nishimura Y; Hiroaka M; Jo S; et al. *Int J Radiat Oncol Biol Phys* 1988; 13: 411
- microsphere distribution in normal and tumor-bearing (DMBA-induced carcinogenesis) hamster cheek pouch, Ballerio C; Bradley BR; Muller HH; et al. *Invest Radiol* 1987; 22: 456
- miniature thermoluminescent dosimeter absorbed dose measurements in tumor phantom models, Wessels BW; Griffith MH. *J Nucl Med* 1986; 27: 1308
- novel interaction of diethyldithiocarbamate with the glutathione/glutathione peroxidase system, Kumar KS; Sancho AM; Weiss JF. *Int J Radiat Oncol Biol Phys* 1986; 12: 1463
- nuclear magnetic resonance imaging characterization of a rat mammary tumor, Osbakken MD; Kreider JW; Taczanowski P. *Magn Res Med* 1986; 3: 1
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging, Frank JA; Gorton ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL. *Radiology* 1987; 164: 527

Neoplasms, experimental

- oncogenic transformation of cells in culture: pragmatic comparisons of oncogenicity, cellular and molecular mechanisms, Hall EJ; Hei TK, *Int J Radiat Oncol Biol Phys* 1986; 12: 1909
- oxygen and nitroreductase-dependent binding of AF-2 in spheroids and murine tumors, Olive PL; Chaplin DJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1247
- palliative radiotherapy of a mouse mammary carcinoma, Mason KA; Wu J-T; Withers HR; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1875
- partial hypoxia as a cause of radioresistance in a human tumor xenograft: its influence illustrated by the sensitizing effect of misonidazole and hyperbaric oxygen, Reynaud-Bougnot A; Lespinaze F; Malaise EP; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1283
- potentiation of CCNU toxicity by AF-2 in V79 spheroids: implications for mechanisms of chemosensitization, Durand RE; Olive PL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1375
- potentiation of chemotherapy cytotoxicity following iododeoxyuridine incorporation in Chinese hamster cells, Russo A; DeGraff W; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1371
- preferential tumor radiosensitization by analogs of nicotinamide and benzamide, Horsman MR; Brown DM; Lemmon MJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1307
- propranolol hydrochloride enhancement of tumor perfusion and uptake of gallium-67 in a mouse sarcoma, Bomber P; McCready R; Hammersley P, *J Nucl Med* 1986; 27: 243
- protection of mouse jejunal crypt cells by WR-2721 after small doses of radiation, Travis EL; Thames HD Jr; Tucker SL; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 807
- radiation biology of malignant melanoma, Rofstad EK, *Acta Oncol* 1986; 25: 1
- radiation enhancement of radiolabelled antibody deposition in tumors, Misrikale JS; Klein JL; Schroeder J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1839
- radiation-induced outgrowth inhibition in explant cultures from surgical specimens of five human organs, Mothersill C; Cusack A; Seymour CB, *Br J Radiol* 1988; 61: 226
- radiation response of multicellular spheroids initiated from five human melanoma xenograft lines. relationship to the radioresponsiveness *in vivo*, Rofstad EK; Wahl A; Brustad T, *Br J Radiol* 1986; 59: 1023
- radiobiological evaluation of a newly synthesized cysteamine derivative, Biscay P; Lespinaze F; Oiry J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1469
- radioresistant and repair proficient cells may determine radiocurability in human tumors, Weichselbaum RR, *Int J Radiat Oncol Biol Phys* 1986; 12: 637
- radiosensitivity of microcolony- and macrocolony-forming cells in mouse tail epidermis, Chen F-d; Hendry JH, *Br J Radiol* 1986; 59: 389
- radiosensitization *in vitro* and *in vivo* by 3-nitrotriazoles, Shibamoto Y; Sakano K; Kimura R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1063
- radiosensitizing and toxic effects of RSU-1069 on hypoxic cells in a murine tumor, Chaplin DJ; Durand RE; Stratford IJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1091
- radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors, Ono K; Komuro C; Nishidai T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1843
- rat model of liver cancer for imaging research, Saini S; Stark DD; Wittenberg J; et al, *Invest Radiol* 1987; 22: 149
- reactions of tumors and normal tissues in mice to irradiation in the presence and absence of a perfluorocarbon emulsion, Rockwell S; Mate TP; Irvin CG; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1315
- relationship of SR-2508 sensitizer enhancement ratio to cellular glutathione levels in human tumor cell lines, Mitchell JB; Phillips TL; DeGraff W; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1143
- sensitization to x ray by 5-chloro-2'-deoxycytidine co-administered with tetrahydrodione in several mammalian cell lines and studies of 2'-chloro derivatives, Perez LS; Greer S, *Int J Radiat Oncol Biol Phys* 1986; 12: 1523
- sequential computed tomographic imaging of a transplantable rabbit brain tumor, Kumar AJ; Hassenbusch S; Rosenbaum AE; et al, *Neuroradiol* 1986; 28: 81
- solid tumor models for the assessment of different treatment modalities: XXVI. estimates of cell survival from tumor growth delay after alternating radiotherapy and chemotherapy, Hopkins HA; Looney WB, *Int J Radiat Oncol Biol Phys* 1987; 13: 217
- specific absorption rate and tissue temperature in local hyperthermia, Griffiths H; Ahmed A; Smith CW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1997
- stability of heating temperature on cytotoxicity, Lin F-S; Wu A; Ho K-C, *Int J Radiat Oncol Biol Phys* 1987; 13: 1869
- technique for simultaneous microangiographic and cytochemical investigation of resin-embedded tissues, van Dale P; Osteaux M; Penasse W; et al, *Invest Radiol* 1986; 21: 714
- treatment of experimental adenocarcinomas by percutaneous intratumoral injection of absolute ethanol, Burgener FA; Steinmetz SD, *Invest Radiol* 1987; 22: 472
- tumor bed expression in xenografted artificial heterogeneous colon tumors, Leith JT; Faulkner LE; Bliven SF; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 151
- tumor oxygenation using direct injection of oxygenated saline, Gatenby RA; Brown TR, *Invest Radiol* 1987; 22: 404
- tumor radiosensitization through reductions in hemoglobin affinity, Siemann DW; MacIver LM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1295
- tumor size dependent changes in a murine fibrosarcoma: use of *in vivo* ^{31}P NMR for non-invasive evaluation of tumor metabolic status, Okunieff PG; Koutcher JA; Gerweck L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 793
- tumor size: effect on monoclonal antibody uptake in tumor models, Hagan PL; Halpern SE; Dillman RO; et al, *J Nucl Med* 1986; 27: 422
- tumour uptake of radiolabelled pyrimidine bases and pyrimidine nucleosides in animal models IX. radiolabelled 1-(2'-fluoro-2'-deoxy- β -D-ribofuranosyl)uracil and 1-(2'-chloro-2'-deoxy- β -D-ribofuranosyl)uracil, Abrams DN; Lee YW; Mercer JR; et al, *Br J Radiol* 1986; 59: 263
- variation in sensitizing efficiency for SR 2508 in human cells dependent on glutathione content, Phillips TL; Mitchell JB; DeGraff W; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1627
- visualization of tumor vascularity in a rabbit VX2 carcinoma by Doppler flow mapping, Rubin JM; Carson PL; Zlotnicki RA; et al, *J Ultrasound Med* 1987; 6: 113
- ### Neoplasms, in infants and children
- abdominal mass in the neonate, Teale RL; Share JC, *Semin Roentgenol* 1988; 23: 175
- adrenal neoplasms in children, Daneman A, *Semin Roentgenol* 1988; 23: 205
- aggressive neuroblastoma simulating Wilms tumor, Rosenfield NS; Leonidas JC; Barwick KW, *Radiology* 1988; 166: 165
- aggressive neuroblastoma simulating Wilms tumor, Oliphant M; Berne AS, *Radiology* 1988; 167: 878
- B-cell lymphoproliferative disorders in children after bone marrow transplantation: radiologic manifestations, Day DL; Shapiro RS; Yueh N; McClain K; Allan BT; Filipovich AH, *Radiology* 1987; 162: 807
- brain stem tumors in children: results of a survey of 62 patients treated with radiotherapy, Freeman CR; Suissa S, *Int J Radiat Oncol Biol Phys* 1986; 12: 1823
- chondromyxosarcoma: a rare form of bone neoplasm in children, Laissy JP; Guillon F; Chesneau AM; et al, *Pediatr Radiol* 1987; 17: 429
- chondrosarcoma in the young: a clinicopathologic analysis of 79 patients younger than 21 years of age, (ab), Huvos AG; Marcove RC, *Radiology* 1988; 167: 886
- clear cell sarcoma of the kidney: renal tumor of childhood that metastasizes to bone, Kagan AR; Steckel RJ, *AJR* 1986; 146: 64
- clinical aspects of abdominal masses in children, Mahaffey SM; Ryckman FC; Martin LW, *Semin Roentgenol* 1988; 23: 161
- computed tomography in the diagnosis of intracranial neoplasms in children, (ab), Segall HD; Batnitzky S; Zee C S; et al, *Radiology* 1986; 159: 288
- computed tomography of primary malignant fibrohistiocytoma of the lung, Ismaili I; Khan A; Leonidas JC; et al, *Comput Radiol* 1987; 11: 37
- computerized tomography in the evaluation of expansile lesions arising from the skull vault in childhood—a report of 5 cases, Arthur RJ; Brunelle F, *Pediatr Radiol* 1988; 18: 294
- CT diagnosis of an atypical nasopharyngeal teratoma in a newborn, Senac MO Jr; Segall HD, *AJNR* 1987; 8: 710
- CT scanning in patients with opisthoclonus: importance of nonenhanced scan, Donaldson JS; Gilsanz V; Miller JH, *AJR* 1986; 146: 781
- cystic neuroblastoma in infants: radiographic and pathologic features, Atkinson GO Jr; Zaatari GS; Lorenzo RL; et al, *AJR* 1986; 146: 113
- extraosseous localization of technetium-99m MDP in benign cystic teratoma, Fuller C; Leonard JC, *Clin Nucl Med* 1986; 11: 574
- follow-up study using iodine-131 metaiodobenzylguanidine imaging in a patient with neuroblastoma, Ikekubo K; Habuchi Y; Jeong S; et al, *Clin Nucl Med* 1986; 11: 777
- gastrointestinal teratomas: CT and US appearance with pathologic correlation, Bowen B; Ros PR; McCarthy MJ; Olmsted WW; Hjerstad BM, *Radiology* 1987; 162: 431
- hepatic imaging in Stage IV-S neuroblastoma, Franken EA Jr; Smith WL; Cohen MD; et al, *Pediatr Radiol* 1986; 16: 107
- hepatic masses in children, Boechat MI; Kangaroo H; Gilsanz V, *Semin Roentgenol* 1986; 23: 185
- hepatoblastoma: radiologic-pathologic correlation in 50 cases, Dachman AH; Pakter RL; Ros PR; Fishman EK; Goodman Z; Lichtenstein JE, *Radiology* 1987; 164: 15
- histiocytic sarcoma of the brain in childhood, de Slegte RGM; Calame JJ; Burger-de Geus A; et al, *Eur J Radiol* 1987; 7: 121
- imaging of neuroblastoma: overview, Bouvaros A; Kirks DR; Grossman H, *Pediatr Radiol* 1986; 16: 89
- integrated imaging of hepatic tumors in childhood, Neuenschwander S; Couanet D; Montagne JP, *Radiology* 1986; 158: 278
- integrated imaging of hepatic tumors in childhood: reply, Miller JH; Greenspan BS, *Radiology* 1986; 158: 278
- intracranial mass in a neonate, Yang PJ; Graham AR; Carmody RF; et al, *Invest Radiol* 1986; 21: 360
- intraparenchymal meningioma in a child: CT and MR findings, Schroeder BA; Samaraweera RN; Starshak RJ; et al, *JCAT* 1987; 11: 192
- large unilateral chest tumors in children, (ab), Cumming WA; Sabbah R, *Radiology* 1986; 159: 576
- magnetic resonance imaging in childhood intracranial masses, Barnes PD; Lester PD; Yamanashi WS; et al, *Magn Res Imag* 1986; 4: 41
- mesenchymal hamartomas of the liver in childhood: sonographic and CT findings, Stanley P; Hall TR; Woolley MM; et al, *AJR* 1986; 147: 1035
- multicystic cystic nephroma: report of three cases, Garrett A; Carty H; Pilling D, *Clin Radiol* 1987; 38: 55
- NMR follow-up studies of CNS-tumors in infancy and childhood, Higer HP; Gutjahr P; Schmidberger P; et al, *Eur J Radiol* 1987; 7: 49
- orbital rhabdomyosarcoma in childhood, Vade A; Armstrong D, *Radiol Clin North Am* 1987; 25: 701
- other abdominal and pelvic masses in children, Sty JR; Wells RC, *Semin Roentgenol* 1988; 23: 216

- pathology of selected abdominal masses in children, Bove KE, *Semin Roentgenol* 1988; 23: 147
- pediatric radiation oncology, Halperin EC, *Invest Radiol* 1986; 21: 429
- pediatric renal masses, Donaldson JS; Shkolnik A, *Semin Roentgenol* 1988; 23: 194
- persistent cervical adenitis and nasopharyngeal carcinoma in children, Norton KI; Som PM; Shugar JMA, *CT* 1987; 11: 275
- primary and secondary tumors of childhood involving the heart, pericardium, and great vessels, report of 75 cases and review of the literature, (ab), Chan HSL; Sonley MJ; Moes CAF; et al, *Radiology* 1986; 158: 574
- primary lesions of bone in the 1st decade of life: retrospective survey of biopsy results, Senac MO Jr; Isaacs H; Gwinn JL, *Radiology* 1986; 160: 491
- pulmonary sulcus metastases simulating intraabdominal malignancy in childhood tumors, Donaldson JS; Miller JH; Gilsanz V, *CT* 1987; 11: 271
- radiologic guidelines in assessing children with intracranial tumors, (ab), Batnitzky S; Segall HD; Cohen ME, *Radiology* 1986; 159: 288
- rapidly expanding mass in a neonate, Kremer SM; Rosenberg HK; Sherman NH; et al, *JCU* 1986; 14: 569
- renal neoplasms in infants and children, Kirks DR; Kaufman RA; Babcock DS, *Semin Roentgenol* 1987; 22: 292
- second malignant neoplasms after childhood cancer: report of three cases of osteogenic sarcoma, Ironside JAD, *Clin Radiol* 1987; 38: 195
- solitary hepatic Burkitt lymphoma presenting as acute pancreatitis, Wan YL; Chen WJ; Huang SC; et al, *Pediatr Radiol* 1988; 18: 160
- thymic localization of gallium-67 in pediatric patients with lymphoid and nonlymphoid tumors, Hibi S; Todo S; Imashuku S, *J Nucl Med* 1987; 28: 293
- treatment and prognosis of mucocutaneous carcinoma in the pediatric age group, (ab), Conley J; Tinsley PP Jr, *Radiology* 1986; 159: 288
- tumors and cysts, Chuang S; Harwood-Nash D, *Neuroradiol* 1986; 28: 463
- ultra-sonic evaluation of pediatric superficial masses, Yamaguchi M; Takeuchi S; Matsuo S-I, *JCU* 1987; 15: 107
- urgent and emergent embolization of lesions of the head and neck in children: indications and results, (ab), Burrows PE; Lasjaunas PL; Ter Brugge KG; et al, *Radiology* 1988; 167: 888
- uro-radiographic manifestations of Burkitt's lymphoma in children, (ab), Fernbach SK; Glass RBJ, *Radiology* 1986; 161: 576
- Neoplasms, metastases**
- blood supply of pulmonary metastases, Milne ENC; Zerhouni EA, *J Thorac Imag* 1987; 2: 15
- calcified lymph node metastases in bronchioloalveolar carcinoma, Mallens WMC; Nijhuis-Heddes JMA; Bakker W, *Radiology* 1986; 161: 103
- detection of hepatic metastases: analysis of pulse sequence performance in MR imaging, Stark DD; Wittenberg J; Edelman RR; Middleton MS; Saini S; Butch RJ; Brady TJ; Ferrucci JT Jr, *Radiology* 1986; 159: 365
- failure patterns of nonseminomatous testicular germ cell tumors: radiographic analysis of 51 cases, Stomper PC; Socinski MA; Kaplan WD; Garnick MB, *Radiology* 1988; 167: 641
- hemi-body radiotherapy in the management of metastatic carcinoma, Wilkins MF; Keen CW, *Clin Radiol* 1987; 38: 267
- horseshoe kidney simulation by para-aortic metastases from a testicular tumor, Gray HW, *Clin Nucl Med* 1987; 12: 75
- increased detection of intracranial metastases with intravenous Gd-DTPA, Healy ME; Hesselink JR; Press GA; Middleton MS, *Radiology* 1987; 165: 619
- influence of irradiation of a primary tumor on the labeling index and estrogen receptor index in a distant tumor focus, Fisher B; Saffer EA; Deutsch M, *Int J Radiat Oncol Biol Phys* 1986; 12: 879
- major challenge in cancer therapy: metastasis, Rubin P; McDonald S, *J Thorac Imag* 1987; 2: 1
- metastases in small lymph nodes from colon cancer, (ab), Herrera-Ornelas L; Justiniano J; Castillo N; et al, *Radiology* 1988; 167: 290
- metastases to the larynx, (ab), Batsakis JG; Luna MA; Byers RM, *Radiology* 1986; 159: 823
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging, Frank JA; Giron ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL, *Radiology* 1987; 164: 527
- once-a-week lower hemibody irradiation (HBI) for metastatic cancers, Nag S; Shah V, *Int J Radiat Oncol Biol Phys* 1986; 12: 1003
- paraganglioma metastatic to the cervical spine, Osborn RE; Mojtahedi S, *Comput Radiol* 1986; 4: 167
- prospects for radiolabeled monoclonal antibodies in metastatic disease, Raventos A; DeNardo SJ; DeNardo G, *J Thorac Imag* 1987; 2: 44
- radiologic investigation of thoracic metastases from unknown primary sites, Marglin SI; Mortimer J; Castellino RA, *J Thorac Imag* 1987; 2: 38
- resorbing bone stimulates tumor cell growth: role for the host microenvironment in bone metastasis, (ab), Maniashen WJ; Sivananthan K; Orr FW, *Radiology* 1986; 161: 575
- splenectomy for splenic metastasis from carcinoma of colon, Slavin JD Jr; Mathews J; Spencer RP, *Clin Nucl Med* 1986; 11: 491
- stage I nonseminomatous germ cell tumors of the testis: radiologic follow-up after orchidectomy, Williams MP; Husband JE; Heron CW, *Radiology* 1987; 164: 671
- Neoplasms, MR studies**
- application of depth-pulse localized ³¹P NMR spectroscopy to monitor tumor metabolism and response to chemotherapy in the rat kidney, Stewart CA; Hanstock CC; Allen PS, *Magn Res Med* 1988; 7: 100
- continuous distributions of NMR relaxation times applied to tumors before and after therapy with x-rays and cyclophosphamide, Kroeker RM; Stewart CA; Bronskill MJ; et al, *Magn Res Med* 1988; 6: 24
- detection of a systemic effect of malignancy in vivo by magnetic resonance imaging, Richards MA; Gregory WM; Webb JAW, *Magn Res Imag* 1988; 6: 557
- detection of malignant tumors: water-suppressed proton nuclear magnetic resonance spectroscopy of plasma, Dowd TL; Kaplan BA; Gupta RK; et al, *Magn Res Med* 1987; 5: 395
- detection of tumors with ¹⁹F magnetic resonance imaging, Ratner AV; Muller HH; Bradley-Simpson B; et al, *Invest Radiol* 1988; 23: 361
- enhanced proton magnetic resonance imaging of experimental mammary tumors, Block RE; Parekh BC, *Magn Res Med* 1988; 6: 116
- integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience, Lenkinski RE; Holland GA; Allman T; Vogele K; Kressel HY; Grossman RI; Charles HC; Engeseth HR; Flamig D; MacFall JR, *Radiology* 1988; 169: 201
- invasion of laryngeal cartilage by cancer: comparison of CT and MR imaging, Castellins JA; Gerritsen GJ; Kaiser MC; Valk J; van Zanten TEG; Golding RG; Meyer CJLM; van Hattum LH; Sprenger M; Bezemer PD; Snow GB, *Radiology* 1988; 167: 199
- in vivo MR spectroscopy of human subjects with a 1.4-T whole-body MR imager, Ng TC; Majors AW; Meaney TF, *Radiology* 1986; 158: 517
- magnetic resonance imaging evaluation of radiation-induced changes in experimentally implanted renal cell carcinoma, Demas BE; Hnack H; Williams KD; et al, *Invest Radiol* 1987; 22: 206
- magnetic resonance, pathology and physiology of the BA1112 rhabdomyosarcoma in vivo, Sostman D; Rockwell S; Smith GJW; et al, *Invest Radiol* 1988; 23: 277
- mobile phospholipid signals in NMR spectra of cultured human adenocarcinoma cells, Guidoni L; Mariutti G; Rampelli GM; et al, *Magn Res Med* 1987; 5: 578
- monitoring human tumor response to therapy by means of P-31 MR spectroscopy, Semmler W; Gademann G; Bachert-Baumann P; Zabel H-J; Lorenz WJ; van Kaick G, *Radiology* 1988; 166: 533
- MR imaging strategies in primary and metastatic malignancy, Haggard AM; Froelich JW, *Radiol Clin North Am* 1988; 26: 689
- NMR relaxation times T₁ and T₂ of water in plasma from patients with lung carcinoma: correlation of T₂ with blood sedimentation rate, Schuhmacher JH; Clorius JH; Semmler W; et al, *Magn Res Med* 1987; 5: 537
- ocular and cerebral metastases in the VX2 rabbit tumor model: contrast-enhanced MR imaging, Frank JA; Giron ME; Dwyer AJ; Cohen PJ; Lightman S; Gansow OA; Brechbiel MW; Doppman JL, *Radiology* 1987; 164: 527
- perceived clinical value of NMR measurements on biopsy specimens, part I. interval estimates of diagnostic error rates and a note on an effect of the law of small numbers, Herbert DE, *Magn Res Imag* 1986; 4: 215
- ³¹P NMR studies on recovery from hypoxia of human tumor cells, West-Jordan JA; Smith A; Myint S; et al, *Magn Res Med* 1987; 5: 182
- potential of NMR and PET for determining tumor metabolism, Miraldi F, *Int J Radiat Oncol Biol Phys* 1986; 12: 1033
- short-T₁ inversion-recovery pulse sequence: analysis and initial experience in cancer imaging, Dwyer AJ; Frank JA; Sank VJ; Reing JW; Hickey AM; Doppman JL, *Radiology* 1988; 168: 627
- soft-tissue tumors: MR imaging, Totty WG; Murphy WA; Lee JKT, *Radiology* 1986; 160: 135
- superparamagnetic iron oxide: enhanced detection of focal splenic tumors with MR imaging, Weissleder R; Hahn PF; Stark DD; Elizondo G; Saini S; Todd LE; Wittenberg J; Ferrucci JT, *Radiology* 1988; 169: 399
- tumor imaging with anti-CEA antibody labeled ^{99m}Tc emulsion, Shimizu M; Kobayashi T; Morimoto H; et al, *Magn Res Med* 1987; 5: 290
- water-suppressed volume-selected ¹H NMR spectroscopy in vivo: application to study tumor metabolism, Haseler LJ; Galloway GJ; Field James; et al, *Magn Res Med* 1987; 5: 508
- Neoplasms, radionuclide studies**
- accumulation of indium-111-labeled granulocytes in malignant tumors, Schmidt KG; Rasmussen JW; Wedebye IM; et al, *J Nucl Med* 1988; 29: 479
- clinical parameters related to optimal tumor localization of indium-111-labeled mouse antineoplastic monoclonal antibody ZME-018, Murray JL; Rosenblum MG; Lamki L; et al, *J Nucl Med* 1987; 28: 25
- conjugate view gamma camera method for estimating tumor uptake of iodine-131 metaiodobenzylguanidine, Shulkin BL; Sisson JC; Korall KF; et al, *J Nucl Med* 1988; 29: 542
- detection of malignant melanoma with iodine-123 iodoamphetamine, Cohen MB; Saxton RE; Lake RK; et al, *J Nucl Med* 1988; 29: 1200
- diagnosis and treatment of a carcinoid tumor using iodine-131 metaiodobenzylguanidine, Hoefnagel CA; Den Hartog Jager FCA; Van Gennip AH; et al, *Clin Nucl Med* 1986; 11: 150
- differences in experimental tumor localization of dual-labeled monoclonal antibody, Khaw BA; Cooney J; Edgington T; et al, *J Nucl Med* 1986; 27: 1293
- follow-up study using iodine-131 metaiodobenzylguanidine imaging in a patient with neuroblastoma, Ikekubo K; Habuchi Y; Jeong S; et al, *Clin Nucl Med* 1986; 11: 777
- I-131 total-body scan: localization of disseminated gastric adenocarcinoma, case report and survey of the literature, (ab), Wu S-Y; Kollin J; Coodley E; et al, *Radiology* 1986; 158: 567
- images of liposarcoma using technetium-99m bleomycin and technetium (V)-99m DMSA, Ohta H; Shano F; Endo K; et al, *Clin Nucl Med* 1986; 11: 842

- increased delivery of gallium-67 to tumors using serum-stable liposomes, Ogihara-Umeda I; Kojima S, *J Nucl Med* 1988; 29: 516
- indium-111 leukocyte uptake in neoplasms, Balachandran S; Boyd CM; Husain MM; et al, *Clin Nucl Med* 1987; 12: 920
- iodine-131 metaiodobenzylguanidine scintigraphy of carcinoid tumors, Feldman JM; Blinder RA; Lucas KJ; et al, *J Nucl Med* 1986; 27: 1691
- iodine-131 MIBG scintigraphy of neuroendocrine tumors other than pheochromocytoma and neuroblastoma, Von Moll L; McEwan AJ; Shapiro B; et al, *J Nucl Med* 1987; 28: 979
- localization of human malignant tumors with radiolabeled recombinant tissue plasminogen activator, Karonen S-L; Aronen H; Liewendahl K; et al, *J Nucl Med* 1988; 29: 1194
- metastasis of gallium-67 accumulation in tumors, Tsan M-F; Scheffel U, *J Nucl Med* 1986; 27: 1215
- nitrogen-13 glutamate uptake and perfusion in Walker 256 carcinosarcoma before and after single-dose irradiation, Knapp WH; Helus F; Layer K; et al, *J Nucl Med* 1986; 27: 1604
- pre-targeted immunoscintigraphy of murine tumors with indium-111-labeled bifunctional haptens, Goodwin DA; Meares CF; McCall MJ; et al, *J Nucl Med* 1988; 29: 226
- primary extra-adrenal pheochromocytoma: positive I-123 MIBG imaging with negative I-131-MIBG imaging, Shulkin BL; Shapiro B; Francis IR; et al, *Clin Nucl Med* 1986; 11: 851
- scanning with iodine-131 MIBG in children with solid tumors: initial appraisal, Hadley GP; Rabe E, *J Nucl Med* 1986; 27: 620
- tumor size: effect on monoclonal antibody uptake in tumor models, Hagan PL; Halpern SE; Dillman RO; et al, *J Nucl Med* 1986; 27: 422
- tumor uptake as a function of tumor mass: a mathematic model, Williams LE; Duda RB; Proffitt RT; et al, *J Nucl Med* 1988; 29: 103
- uptake of ¹¹¹In-labeled leukocytes by tumor, Fortner A; Datz FL; Taylor A Jr; et al, *AJR* 1986; 146: 621
- uptake of iodine-123 MIBG by pheochromocytoma, paragangliomas, and neuroblastomas: histopathological comparison, Bomanji J; Levison DA; Flatman WD; et al, *J Nucl Med* 1987; 28: 973
- ### Neoplasms, rupture
- intraoperative hemorrhage due to spontaneous rupture of hepatocellular carcinoma: treatment by hepatic artery embolization, Hsieh J-S; Huang C-J; Huang Y-S; et al, *AJR* 1987; 149: 715
- perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations, Hulnick DH; Megibow AJ; Balchazir EJ; Gordon RB; Surapaneni R; Bosniak MA, *Radiology* 1987; 164: 611
- ### Neoplasms, staging
- accuracy of CT in the staging of carcinoma of the prostate, Platt JF; Bree RL; Schwab RE, *AJR* 1987; 149: 315
- accuracy of radiological staging procedures in non-seminomatous testis cancer compared with findings from surgical exploration and histopathological studies of extirpated tissue, Samuelsson L; Forsberg L; Olsson AM, *Br J Radiol* 1986; 59: 131
- clinical stage B prostate carcinoma: staging with MR imaging, Biondetti PR; Lee JKT; Ling D; Catalona WJ, *Radiology* 1987; 162: 325
- colorectal carcinoma evaluation with CT: preoperative staging and detection of postoperative recurrence, Freeny PC; Marks WM; Ryan JA; Bolen JW, *Radiology* 1986; 158: 347
- colorectal neoplasms: accuracy of US in demonstrating the depth of invasion, Wang KY; Kimmey MB; Nyberg DA; Mack LA; Haggitt RC; Shuman WP; Franklin DW; Silverstein FE, *Radiology* 1987; 165: 827
- computed tomography of colorectal carcinoma: preoperative staging and detection of recurrence, Freeny PC; Marks WM; Ryan JA; et al, *Semin US CT MR* 1987; 8: 432
- CT staging of early rectal carcinoma, Gotthlin JH; Lerner RM; Gadeholt G; et al, *Gastrointest Radiol* 1987; 12: 253
- direct coronal and direct sagittal CT of abdomen and pelvis: approach to staging malignancies, van Waas PFGM; Feldberg MAM; Goldberg HI; Herve P; Zonneveld FW; Cann CE, *Radiographics* 1986; 6: 213
- dual-detector probe for surgical tumor staging, Hicknell TS; Barber HB; Barrett HH; et al, *J Nucl Med* 1988; 29: 1101
- endosonographic staging of rectal carcinoma, DiCandio G; Mosca F; Campatelli A; et al, *Gastrointest Radiol* 1987; 12: 289
- gastric adenocarcinoma: CT versus surgical staging, Sussman SK; Halvorsen RA Jr; Illescas FF; Cohen RH; Saeed M; Silverman PM; Thompson WM; Meyers WC, *Radiology* 1988; 167: 335
- head and neck cancer: reliability of American Joint Committee's staging system as prognostic indicator, Ahmad K; Kim YH; Fayos JV, *Acta Oncol* 1987; 26: 173
- left gastric and coeliac lymph nodes: a problem area for CT staging of carcinoma of the gastro-oesophageal junction, Lee WB, *Australas Radiol* 1988; 32: 230
- maxillary squamous cell carcinomas staged by computed tomography, Kondo M; Ando Y; Inuyama Y; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 111
- preoperative and postoperative CT staging of rectosigmoid carcinoma, Thompson WM; Halvorsen RA Jr; Foster WL Jr; et al, *AJR* 1986; 146: 703
- preoperative assessment of the extension of rectal carcinoma: correlation of MR, surgical, and histopathologic findings, Guinet C; Buy J-N; Sezeur A; et al, *JCAT* 1988; 12: 209
- primary gastric lymphoma versus gastric carcinoma: endoscopic US evaluation, Bolondi L; Casanova P; Caletti GC; Grigioni V; Zani L; Barbara L, *Radiology* 1987; 165: 821
- prostatic carcinoma: staging by clinical assessment, CT, and MR imaging, Hricak H; Doores GC; Jeffrey RB Jr; Avallone A; Jacobs D; Benton WK; Narayan P; Tanagho EA, *Radiology* 1987; 162: 331
- role of lymphography in the staging and treatment of ovarian dysgerminoma: report on 27 cases, Santoni R; Villari N; Bisini L; et al, *Acta Oncol* 1987; 26: 23
- staging of carcinoma of the palatine tonsils by computed tomography, Asperand F; Kolbenstvedt A; Boysen M, *JCAT* 1988; 12: 434
- staging of non-small cell bronchogenic carcinoma: relationship of the clinical evaluation to organ scans, (ab), Quinn DL; Ostrow LB; Porter DK; et al, *Radiology* 1986; 160: 572
- staging rectal cancer by MR and CT, Butch RJ; Stark DD; Wittenberg J; et al, *AJR* 1986; 146: 1155
- use of transrectal ultrasound in the diagnosis, guided biopsy, staging and screening of prostate cancer, Lee F; Littrup PJ; Kumasaka GH; Borlaza GS; McLeary RD, *Radiographics* 1987; 7: 627
- vagina: evaluation with MR imaging. part II. neoplasms, Chang YCF; Hricak H; Thurnher S; Lacey CG, *Radiology* 1988; 169: 175
- value of computerized tomography scan and magnetic resonance imaging in staging prostatic carcinoma: comparison with the clinical and histological staging, (ab), Mukamel E; Hannah J; Barbaric ZL; et al, *Radiology* 1987; 163: 840
- ### Neoplasms, therapeutic radiology
- accelerated irradiation of cervical node metastases, Nguyen TD; Froissart D; Panis X, *Radiology* 1987; 163: 815
- cancer: the consequences of cure, Malpas JS, *Clin Radiol* 1988; 39: 166
- cancer: the failure of treatment, Thomlinson RH, *Br J Radiol* 1987; 60: 735
- carcinoma recurrence in the tracheal stoma: treatment with intracavitary radiation by modification of tracheostomy tube, Janaki LM; Gardner JE; Medlin VL; Gates JR, *Radiology* 1986; 159: 275
- changes in T-cell subsets after radiation therapy, Yang S-J; Rafia S; Yousef E; Selim H; Salloum N; Chuang JY, *Radiology* 1988; 168: 537
- chordoma: report on treatment results in eighteen cases, Lybeert MLM; Meerwaldt JH, *Acta Oncol* 1986; 25: 41
- classical and anaplastic seminoma: difference in survival, Bobba VS; Mittal BB; Hoover SV; Kepka A, *Radiology* 1988; 167: 849
- clinical summary: challenge of local tumor control and its impact on survival, Brady LW; Cox JD; Markoe AM, *Int J Radiat Oncol Biol Phys* 1986; 12: 705
- combination of surgery, irradiation, and hyperthermia in treatment of recurrences of malignant tumors, Emami B; Perez CA, *Int J Radiat Oncol Biol Phys* 1987; 13: 611
- CT-guided laser therapy in resistant human tumors: phase I clinical trials, Gatenby RA; Hartz WH; Engstrom PF; Rosenblum JS; Hammond ND; Kessler HB; Moldofsky PJ; Clair MR; Unger E; Broder GJ, *Radiology* 1987; 163: 172
- defining the role of radiation therapy in the management of epidemic Kaposi's sarcoma, Cooper JS; Fried PR, *Int J Radiat Oncol Biol Phys* 1987; 13: 35
- effect of combined modality therapy on local control and survival, DeVita VT; Lippman M; Hubbard SM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 487
- evaluation of the response of unresectable carcinoid tumors to radiotherapy, Samlowski WE; Eyre JH; Sause WT, *Int J Radiat Oncol Biol Phys* 1986; 12: 301
- hazard of accelerated tumor clonogen repopulation during radiotherapy, Withers HR; Taylor JMG; Maciejewski B, *Acta Oncol* 1988; 27: 131
- hemi-body radiotherapy in the management of metastatic carcinoma, Wilkins MF; Keen CW, *Clin Radiol* 1987; 38: 267
- impact of improved local control on survival, Suit HD; Westgate SJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 453
- influence of irradiation of a primary tumor on the labeling index and estrogen receptor index in a distant tumor focus, Fisher B; Saffer EA; Deutsch M, *Int J Radiat Oncol Biol Phys* 1986; 12: 879
- is the community radiation oncologist ready for clinical hyperthermia?, Hornback NB, *Radiographics* 1987; 7: 139
- major challenge in cancer therapy: metastasis, Rubin P; McDonald S, *J Thorac Imag* 1987; 2: 1
- malignant biliary obstruction: intracavitary treatment with a high-dose-rate remote afterloading device, Haffty BG; Mate JP; Greenwood LH; Peschel RE; Weissberg JB, *Radiology* 1987; 164: 574
- malignant melanoma: analysis of dose fractionation in radiation therapy, Konfal JB; Emami B; Pilepich MV, *Radiology* 1987; 164: 607
- maxillary squamous cell carcinomas staged by computed tomography, Kondo M; Ando Y; Inuyama Y; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 111
- net growth delay: novel parameter derived from tumor growth curves, Beck-Bornholdt H-P; Wurschmidt F; Vogler H, *Int J Radiat Oncol Biol Phys* 1987; 13: 773
- objective response of malignant carcinoid to radiation therapy, Abrams RA; King D; Wilson JF, *Int J Radiat Oncol Biol Phys* 1987; 13: 869
- once-a-week lower hemibody irradiation (HBI) for metastatic cancers, Nag S; Shah V, *Int J Radiat Oncol Biol Phys* 1986; 12: 1003
- optimization of dose-time factors for a tumor and multiple associated normal tissues, Cohen L, *Int J Radiat Oncol Biol Phys* 1987; 13: 251
- potential methods for predicting tumor radiocurability, Peters LJ; Brock WA; Johnson T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 459
- predicting late normal tissue responses, Withers HR, *Int J Radiat Oncol Biol Phys* 1986; 12: 693
- radiologic contributions to cancer management, Kagan AR; Steckel RJ; Bassett LW; et al, *AJR* 1986; 147: 305
- re-irradiation of locally recurrent tumors with fast neutrons, Saroja KR; Hendrickson FR; Cohen L; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 115

- solid tumor models for the assessment of different treatment modalities: XXV. comparison of the effect of one radiation fraction per day with multiple fractions per day (MFD) given either continuously or intermittently on tumor response and normal tissue reaction. Looney WB; Hopkins HA. *Int J Radiat Oncol Biol Phys* 1986; 12: 203
- thermotolerance and heat shock protein induction by slow rates of heating. Anderson RL; Herman TS; van Kersen I; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 717
- tumor oxygenation and reoxygenation during radiation therapy: their importance in predicting tumor response. Kallman RF; Dorie MJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 681
- tumor therapy with hematoporphyrin derivative and lasers via a percutaneous fiberoptic technique: preclinical experiments. Gatenby RA; Hammond ND; Brown DQ. *Radiology* 1987; 163: 167
- Neoplasms, therapy**
- additivity versus repair inhibition in fractionated treatments combining drugs and x rays: theoretical analysis. Begg AC. *Int J Radiat Oncol Biol Phys* 1987; 13: 921
- cancer genes: their clinical potential. Sikora K. *Clin Radiol* 1986; 37: 415
- cancer: the consequences of cure. Malpas JS. *Clin Radiol* 1988; 39: 166
- capacitive heating of phantom and human tumors with an 8 MHz radiofrequency applicator (thermotron RF-8*). Song CW; Rhee JG; Lee CKK; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 365
- clinical phase I toxicity study of Ro 03-8799: plasma, urine, tumour and normal brain pharmacokinetics. Roberts JT; Bleehen NM; Walton MJ; et al. *Br J Radiol* 1986; 59: 107
- combination of surgery, irradiation, and hyperthermia in treatment of recurrences of malignant tumors. Emami B; Perez CA. *Int J Radiat Oncol Biol Phys* 1987; 13: 611
- correlations of thermal washout rate, steady state temperatures, and tissue type in deep seated recurrent or metastatic tumors. Samulski TV; Fessenden P; Valdagni R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 907
- dose-response relationships for photodynamic injury to murine skin. Moore JV; Keene JP; Land EJ. *Br J Radiol* 1986; 59: 257
- graphical method for the analysis of decisions in clinical oncology. Munro AJ. *Clin Radiol* 1986; 37: 263
- increase in tumor pO₂ by perfluorochemicals and carbogen. Hasegawa T; Rhee JG; Levitt SH; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 569
- intraarterial chemotherapy of head and neck tumors. Lee Y-Y; Wallace S; Dimery I; et al. *AJNR* 1986; 37: 343
- is the community radiation oncologist ready for clinical hyperthermia? Hornback NB. *Radiographics* 1987; 7: 139
- is the division of heated tissue into temperature equivalent zones suitable for estimation of tumor blood flow from thermal clearance curves? Groebe K; Kallinowski F; Vaupel P. *Int J Radiat Oncol Biol Phys* 1987; 13: 917
- modification of human tumor pH by elevation of blood glucose. Thistlethwaite AJ; Alexander GA; Moylan DJ III; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 603
- multicompartmental analysis of the kinetics of radiolabeled monoclonal antibody in patients with cancer. Koizumi K; DeNardo GL; DeNardo SJ; et al. *J Nucl Med* 1986; 27: 1243
- selective drug delivery systems. Mayhew E. *Invest Radiol* 1988; 23: 229
- solid tumor models for the assessment of different treatment modalities: XXVI. estimates of cell survival from tumor growth delay after alternating radiotherapy and chemotherapy. Hopkins HA; Looney WB. *Int J Radiat Oncol Biol Phys* 1987; 13: 217
- structure, function, and regulation of transferrin receptors. Ward JH. *Invest Radiol* 1987; 22: 74
- synergism between hyperthermia and ionizing radiation. Holt JAG; Stanford RW. *Br J Radiol* 1986; 59: 795
- theoretical comparison of the temperature distributions produced by three interstitial hyperthermia systems. Mechling JA; Strohbehn JW. *Int J Radiat Oncol Biol Phys* 1986; 12: 2137
- treatment of experimental adenocarcinomas by percutaneous intratumoral injection of absolute ethanol. Burgener FA; Steinmetz SD. *Invest Radiol* 1987; 22: 472
- tumor response to thermoradiation therapy: use of CT in evaluation. Hiraoka M; Akuta K; Nishimura Y; Nagata Y; Jo S; Takahashi M; Abe M. *Radiology* 1987; 164: 259
- use of serum tumor markers in cancer diagnosis and management. (ab). Bates SE; Longo DL. *Radiology* 1988; 166: 296
- Neoplasms, US studies**
- correlation of Doppler US tumor signals with neovascular morphologic features. Taylor KJW; Ramos I; Carter D; Morse SS; Snower D; Fortune K. *Radiology* 1988; 166: 57
- use of transectal ultrasound in the diagnosis, guided biopsy, staging and screening of prostate cancer. Lee F; Littrup PJ; Kumasaka GH; Borlaza GS; McLeary RD. *Radiographics* 1987; 7: 627
- visualization of tumor vascularity in a rabbit VX2 carcinoma by Doppler flow mapping. Rubin JM; Carson PL; Zlotnicki RA; et al. *J Ultrasound Med* 1987; 6: 113
- Nephritis**
- acute and chronic urinary infection: present concepts and controversies. Goldman SM. *Urol Radiol* 1988; 10: 17
- bilateral metachronous xanthogranulomatous pyelonephritis in end-stage renal failure. Golomb J; Solomon A; Peer G; et al. *Urol Radiol* 1986; 8: 95
- coexistent xanthogranulomatous pyelonephritis and renal cell carcinoma. Radin DR; Chandrasoma P. *CT* 1987; 11: 294
- computed tomography of acute radiation nephritis. Moore L; Curry NS; Jenrette JM III. *Urol Radiol* 1986; 8: 89
- CT evaluation of severe renal inflammatory disease in children. Montgomery P; Kuhn JP; Afshani E. *Pediatr Radiol* 1987; 17: 216
- CT findings in xanthogranulomatous pyelonephritis with coexistent renocolic fistula. Sussman SK; Gallmann WH; Cohan RH; et al. *JCAT* 1987; 11: 1088
- emphysematous pyelonephritis as seen on technetium-99m DTPA renal imaging. Leekam RN; Shankar L; Bayley TA. *Clin Nucl Med* 1987; 12: 140
- hemorrhagic focal bacterial nephritis: findings on gray-scale sonography and CT. Rigby CM; Rosenfield AT; Glickman MG; et al. *AJR* 1986; 146: 1173
- infantile glomerulonephritis mimicking polycystic kidney disease. Evans JB; Shapeero LG; Roscelli JD. *J Ultrasound Med* 1988; 7: 29
- inflammatory disease of the kidney. Morehouse HT; Weiner SN; Hoffman-Tretin JC. *Semin US CT MR* 1986; 7: 246
- magnetic resonance imaging of renal vein and inferior vena cava thrombosis in a patient with glomerulonephritis: a case report. Honda H; Yuh WTC; Lu CC. *CT* 1988; 12: 147
- miserable child with an abdominal mass—and more. Sweeney LE; Gordon I. *Br J Radiol* 1986; 59: 707
- MR imaging of xanthogranulomatous pyelonephritis. Mulopulos GP; Patel SK; Pessis D. *JCAT* 1986; 10: 154
- obliterative pyelitis. Nino-Murcia M; Friedland GW. *Urol Radiol* 1988; 10: 100
- serendipitous diagnosis of childhood xanthogranulomatous pyelonephritis in a child with osteomyelitis. Macpherson RI; Leithiser Jr JR. *Pediatr Radiol* 1987; 17: 159
- sonography of renal inflammatory disease. Piccirilli M; Rigby CM; Rosenfield AT. *Urol Radiol* 1987; 9: 66
- ultrasonography and needle aspiration in diagnosis of xanthogranulomatous pyelonephritis. (ab). Sease WC; Elyaderani MK; Belis JA. *Radiology* 1987; 164: 883
- unusual causes of increased vascular impedance in renal transplants: duplex Doppler evaluation. Warshaw DM; Taylor KJW; Bia MJ; Marks WH; Weltin GG; Rigby CM; True LD; Lorber MI. *Radiology* 1988; 169: 367
- unusual long term follow-up of xanthogranulomatous pyelonephritis by computed tomography: case report. Castillo M; Casillas J. *Comput Radiol* 1986; 4: 179
- urographic renal size in acute pyelonephritis in childhood. Johanson B; Troell S; Berg U. *Acta Radiol* 1988; 29: 155
- urothelial microvascular response to chronic renal inflammatory disease. Cuttino JT Jr; Clark RL. *Urol Radiol* 1988; 10: 68
- xanthogranulomatous pyelonephritis: comparison of extent using computed tomography and magnetic resonance imaging in one case. Feldberg MAM; Driessen LP; Witkamp TD; et al. *Urol Radiol* 1988; 10: 92
- Nephrocalcinosis**
- See Kidney, calcification
- Nephrolithiasis**
- See Kidney, calculi
- Nephroma**
- See Kidney neoplasms
- Nephrostomy**
- See Kidney, interventional procedure
- Nerves, abnormalities**
- ultrasonography of the peroneal nerve muscle group in normal subjects and patients with peroneal paresis. Boonstra AM; van Weerden TW; de Strake L; et al. *JCU* 1988; 16: 17
- Nerves, acoustic**
- acoustic neuroma and other acoustic nerve disorders: role of MRI and CT: an analysis of 238 cases. Mafee MF. *Semin US CT MR* 1987; 8: 256
- Nerves, cranial**
- clinico-neuro-radiologic approach to third cranial nerve palsies. Kwan ESK; Laucella M; Hedges TR III; et al. *AJNR* 1987; 8: 459
- cranial nerves III, IV, and VI: a clinical approach to the evaluation of their dysfunction. Braffman BH; Zimmerman RA; Rabichong P. *Semin US CT MR* 1987; 8: 185
- CT and MRI in the evaluation of glossopharyngeal, vagal, and spinal accessory neuropathy. Remley K; Harnsberger R; Smoker WRK; et al. *Semin US CT MR* 1987; 8: 284
- hemiparesis caused by vertebral artery compression of the medulla oblongata. (ab). Kim P; Ishijima B; Takahashi H; et al. *Radiology* 1986; 158: 284
- imaging of cranial nerve II. Hershey BL; Peyster RG. *Semin US CT MR* 1987; 8: 164
- perineural tumor extension to the cavernous sinus from superficial facial carcinoma: CT manifestations. Woodruff WW Jr; Yeates AE; McLendon RE. *Radiology* 1986; 161: 395
- radiation therapy for the treatment of non-eighth nerve intracranial neuroma. Wallner KE; Pitts LH; Davis RL; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 287
- Wallerian degeneration in a patient with Schilder disease: MR imaging demonstration. Cobb SR; Mehringer CM. *Radiology* 1987; 162: 521
- Nerves, CT**
- acoustic neuroma and other acoustic nerve disorders: role of MRI and CT: an analysis of 238 cases. Mafee MF. *Semin US CT MR* 1987; 8: 256
- CT and MRI in the evaluation of glossopharyngeal, vagal, and spinal accessory neuropathy. Remley K; Harnsberger R; Smoker WRK; et al. *Semin US CT MR* 1987; 8: 284
- CT diagnosis of lumbosacral conjoined nerve roots: findings in 19 cases. Torricelli P; Spina V; Martinelli C. *Neuroradiol* 1987; 29: 374
- facial nerve neuromas: CT findings. Inoue Y; Tabuchi T; Hakuba A; et al. *JCAT* 1987; 11: 942
- imaging of cranial nerve II. Hershey BL; Peyster RG. *Semin US CT MR* 1987; 8: 164
- radiographic evaluation of trigeminal neuropathy. Hardin CW; Harnsberger R. *Semin US CT MR* 1987; 8: 214
- sixth nerve schwannoma: MR and CT demonstration. Ginsberg F; Peyster RG; Rose WS; et al. *JCAT* 1988; 12: 482
- Nerves, diseases**
- reactive perineural fibroblastic proliferation of the median nerve: MR characteristics. Bodne D; Quinn SF; Kloss J; et al. *JCAT* 1988; 12: 532

Nerves, facial

Nerves, facial

- facial nerve enhancement in MR imaging, Daniels DL; Czervionke LF; Pojuna KW; et al, *AJNR* 1987; 8: 605
- facial nerve neuroma presenting as middle cranial fossa mass: CT appearance, Kienzie GD; Goldenberg MH; Just NW; et al, *JCAT* 1986; 10: 391
- facial nerve neuromas: CT findings, Inoue Y; Tabuchi T; Hakuba A; et al, *JCAT* 1987; 11: 942
- facial nerve palsy associated with Warthin's tumor, (ab), Lesser RW; Spector JG, *Radiology* 1986; 159: 823
- intratemporal vascular tumors: evaluation with CT, Lo WWM; Horn KL; Carberry JN; Solti-Bohman LG; Wade CT; Brackmann DE; Waluch V, *Radiology* 1986; 159: 181
- labyrinthine portion of the facial canal: comparative radioanatomic investigation, Wadin K; Wilbrand H, *Acta Radiol* 1987; 28: 17
- labyrinthine portion of the facial canal in patients with Bell's palsy investigated by computed tomography, Wadin K; Thomander L; Wilbrand H, *Acta Radiol* 1987; 28: 25
- MR imaging of the intraparotid facial nerve: normal anatomy and pathology, Teresi LM; Kolin E; Lufkin RB; et al, *AJNR* 1987; 8: 253
- MR imaging of the intratemporal facial nerve using surface coils, Teresi LM; Lufkin RB; Wortham DG; et al, *AJNR* 1987; 8: 49
- MRI of the facial nerve: normal anatomy and pathology, Teresi L; Lufkin RB; Nitta K; et al, *Semin US CT MR* 1987; 8: 240
- parotid masses: MR imaging, Teresi LM; Lufkin RB; Wortham DG; Abemayor E; Hanafey WN, *Radiology* 1987; 163: 405
- radiological analysis of hemifacial spasm with special reference to angiographic manifestations, Carlos R; Fukui M; Hasuo K; et al, *Neuroradiol* 1986; 28: 288

Nerves, hypoglossal

- hypoglossal nerve, Smoker WRK; Harnsberger R; Osborn AG, *Semin US CT MR* 1987; 8: 301

Nerves, laryngeal

- vagal neuropathy: evaluation with CT and MR imaging, Jacobs CJM; Harnsberger HR; Lufkin RB; Osborn AG; Smoker WRK; Parkin JL, *Radiology* 1987; 164: 97

Nerves, lumbar

- anatomy and computed tomography of the normal lumbosacral plexus, Dietemann J.; Sick H; Wolfram-Gabel R; et al, *Neuroradiol* 1987; 29: 58

- lumbosacral plexus: anatomic-radiologic-pathologic correlation using CT, Gebarski KS; Gebarski SS; Glazer GM; Samuels BI; Francis IR, *Radiographics* 1986; 6: 401

Nerves, MR studies

- acoustic neuroma and other acoustic nerve disorders: role of MRI and CT: an analysis of 238 cases, Mafee MF, *Semin US CT MR* 1987; 8: 256

- CT and MRI in the evaluation of glossopharyngeal, vagal, and spinal accessory neuropathy, Remley K; Harnsberger R; Smoker WRK; et al, *Semin US CT MR* 1987; 8: 284

- imaging of cranial nerve II, Hershey BL; Peyster RG, *Semin US CT MR* 1987; 8: 164

- MR and cryomicrotomy of C1 and C2 roots, Ho PSP; Yu S; Sether L; et al, *AJNR* 1988; 9: 829

- MRI of the facial nerve: normal anatomy and pathology, Teresi L; Lufkin RB; Nitta K; et al, *Semin US CT MR* 1987; 8: 240

- radiographic evaluation of trigeminal neuropathy, Hardin CW; Harnsberger R, *Semin US CT MR* 1987; 8: 214

- reactive perineurial fibroblastic proliferation of the median nerve: MR characteristics, Bodne D; Quinn SF; Kloss J; et al, *JCAT* 1988; 12: 532

- sixth nerve schwannoma: MR and CT demonstration, Ginsberg F; Peyster RG; Rose WS; et al, *JCAT* 1988; 12: 482

Nerves, olfactory

- esthesioneuroblastoma imaged with bone scintigraphy, Acker R; Leonard JC, *Clin Nucl Med* 1986; 11: 670

- myelinated and nonmyelinated nerves: comparison of proton MR properties, Jolesz FA; Polak JF; Adams DF; Ruenzel PW, *Radiology* 1987; 164: 89

Nerves, optic

- computed tomography of optic nerve colobomas, morning glory anomaly, and colobomatous cyst, Mafee MF; Jampol LM; Langer BG; et al, *Radiol Clin North Am* 1987; 25: 693

- idiopathic inflammation of optic nerve simulating optic nerve sheath meningioma: CT demonstration, Zhang T-I; Shao S; Zhang T; et al, *JCAT* 1987; 11: 360

- intraocular extension of optic nerve meningioma in a case of neurofibromatosis, (ab), Cibis GW; Whittaker CK; Wood WE, *Radiology* 1986; 158: 285

- involvement of posterior visual pathways by optic nerve gliomas, Lourie GL; Osborne DR; Kirks DR, *Pediatr Radiol* 1986; 16: 271

- isolated idiopathic optic neuritis: analysis of free K-light chains in cerebrospinal fluid and correlation with nuclear magnetic resonance findings, (ab), Rudick RA; Jacobs L; Kinkel PR; et al, *Radiology* 1986; 160: 861

- magnetic resonance imaging of the optic nerve in optic neuritis, (ab), Miller DH; Newton MR; van der Poel JC; et al, *Radiology* 1988; 169: 589

- Moyamoya pattern of vascular occlusion after radiotherapy for glioma of the optic chiasm, (ab), Beyer RA; Paden P; Sobel DF; et al, *Radiology* 1987; 164: 887

- MRI and CT of sellar and parasellar disorders, Naheedy MH; Haaga JR; Azar-Kia B; et al, *Radiol Clin North Am* 1987; 25: 819

- MR imaging of intrachiasmatic hemorrhage, Moffit B; Duffy K; Lufkin RB; et al, *JCAT* 1988; 12: 535

- MR imaging of optic pathways in patients with neurofibromatosis, Brown EW; Riccardi VM; Mawad M; et al, *AJNR* 1987; 8: 1031

- MR imaging of the optic nerve and sheath: correcting the chemical shift misregistration effect, Daniels DL; Kneeland JB; Shimakawa A; et al, *AJNR* 1986; 7: 249

- MRI of optic chiasm and optic pathways, Albert A; Lee BCP; Saint-Louis L; et al, *AJNR* 1986; 7: 255

- MR of visual pathways in patients with neurofibromatosis, Pomeranz SJ; Shelton JJ; Tobias J; et al, *AJNR* 1987; 8: 831

- myelinated and nonmyelinated nerves: comparison of proton MR properties, Jolesz FA; Polak JF; Adams DF; Ruenzel PW, *Radiology* 1987; 164: 89

- neurosarcoidosis involving optic nerves and leptomeninges: computed tomography findings, Ey EH; Wall M; Numaguchi Y; et al, *CT* 1986; 10: 129

- optic nerve dysfunction in thyroid eye disease: CT, Barrett L; Glatt HJ; Burde RM; Gado MH, *Radiology* 1988; 167: 503

- optic nerve tumors: role of magnetic resonance imaging and computed tomography, Azar-Kia B; Naheedy MH; Elias DA; et al, *Radiol Clin North Am* 1987; 25: 561

- optic neurogram: evaluation of CSF "block" caused by compressive lesions at the optic canal, Jinkins JR, *AJNR* 1987; 8: 135

- optic syringa: cavernous degeneration of the optic nerve demonstrated by iopamidol optic neurography, Jinkins JR, *AJNR* 1987; 8: 349

- "papilledema": neuroradiologic evaluation of optic disk protrusion with dynamic orbital CT, Jinkins JR, *AJNR* 1987; 8: 681

- parasellar and optic nerve lesions: the neurosurgeon's perspective, Jafar JJ; Crowell RM, *Radiol Clin North Am* 1987; 25: 877

- silent brain lesions in patients with isolated idiopathic optic neuritis: clinical and nuclear magnetic resonance imaging study, (ab), Jacobs L; Kinkel PR; Kinkel WR, *Radiology* 1986; 160: 861

- STIR sequences in NMR imaging of the optic nerve, Johnson G; Miller DH; MacManus D; et al, *Neuroradiol* 1987; 29: 238

Nerves, peripheral

- peripheral nerves of the extremities: imaging with US, Fornage BD, *Radiology* 1988; 167: 179

Nerves, phrenic

- phrenic nerve function and its relationship to atelectasis after coronary artery bypass surgery, (ab), Wilcox P; Baile EM; Hards J; et al, *Radiology* 1988; 169: 295

- phrenic nerve paralysis after pediatric cardiac surgery, (ab), Watanabe T; Trusler GA; Williams WG; et al, *Radiology* 1988; 168: 296

Nerves, roots

- CT diagnosis of lumbosacral conjoined nerve roots: findings in 19 cases, Torricelli P; Spina V; Martinelli C, *Neuroradiol* 1987; 29: 374

- MR and cryomicrotomy of C1 and C2 roots, Ho PSP; Yu S; Sether L; et al, *AJNR* 1988; 9: 829

- nerve root enlargement in Charcot-Marie-Tooth disease: CT appearance, Morano JU; Russell WF, *Radiology* 1986; 161: 784

Nerves, sacral

- anatomy and computed tomography of the normal lumbosacral plexus, Dietemann J.; Sick H; Wolfram-Gabel R; et al, *Neuroradiol* 1987; 29: 58

- lumbosacral plexus: anatomic-radiologic-pathologic correlation using CT, Gebarski KS; Gebarski SS; Glazer GM; Samuels BI; Francis IR, *Radiographics* 1986; 6: 401

Nerves, sciatic

- CT evaluation of the greater sciatic foramen in patients with sciatica, Cohen BA; Lanzieri CF; Mendelson DS; et al, *AJNR* 1986; 7: 337

- peripheral nerves of the extremities: imaging with US, Fornage BD, *Radiology* 1988; 167: 179

- sciatic nerve block under fluoroscopic guidance, Tan WS; Spigos DG, *Cardiovasc Intervent Radiol* 1986; 9: 59

Nerves, spinal

- cervical neural foramina: correlative anatomic and MR imaging study, Czervionke LF; Daniels DL; Ho PSP; Yu S; Pech P; Strandt J; Williams AL; Haughton VM, *Radiology* 1988; 169: 753

- cervical radiculopathy: prospective evaluation with surface coil MR imaging, CT with metrizamide, and metrizamide myelography, Modic MT; Masaryk TJ; Mulopulos GP; Bundschuh CV; Han JS; Bohlman H, *Radiology* 1986; 161: 753

- CT and MRI in the evaluation of glossopharyngeal, vagal, and spinal accessory neuropathy, Remley K; Harnsberger R; Smoker WRK; et al, *Semin US CT MR* 1987; 8: 284

- nerve root enlargement in Charcot-Marie-Tooth disease: CT appearance, Morano JU; Russell WF, *Radiology* 1986; 161: 784

Nerves, trigeminal

- actinomycotic granuloma of the trigeminal ganglion, Atri M; Robertson WD; Durity FA; et al, *AJNR* 1987; 8: 167

- arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings, de Lange EE; Vielvoye GJ; Voormolen JHC, *Radiology* 1986; 158: 721

- case report: plexiform trigeminal neurofibroma, Gholkar A; Stack JP; Isherwood I, *Clin Radiol* 1988; 39: 313

- gas CT cisternography of trigeminal neuralgia caused by AVM of the cerebellopontine angle, Kawano H; Hayashi M; Kobayashi H; et al, *AJNR* 1987; 8: 161

- MR imaging of primary tumors of trigeminal nerve and Meckel's cave, Yuh WTC; Wright DC; Barloon TJ; et al, *AJNR* 1988; 9: 665

- radiographic evaluation of trigeminal neuropathy, Hardin CW; Harnsberger R, *Semin US CT MR* 1987; 8: 214

- trigeminal nerve: anatomic correlation with MR imaging, Daniels DL; Pech P; Pojuna KW; Kilgore DP; Williams AL; Haughton VM, *Radiology* 1986; 159: 577

- trigeminal nerve lipoma: MR findings, Yuh WTC; Barloon TJ; Jacoby CG, *JCAT* 1987; 11: 518

Nerves, vagus

- CT and MRI in the evaluation of glossopharyngeal, vagal, and spinal accessory neuropathy, Remley K; Harnsberger R; Smoker WRK; et al, *Semin US CT MR* 1987; 8: 284

- solitary neurofibroma of the vagus nerve in the aortopulmonary window masquerading as a developmental cyst, Shin MS; McElveen RB; Reeves RC; et al, CT 1988; 12: 57
- ultrasonographic appearances of glomus vagale tumour, Raby N, Br J Radiol 1988; 61: 246
- vagal neuropathy: evaluation with CT and MR imaging, Jacobs CJM; Harnsberger HR; Lufkin RB; Osborn AG; Smoker WRK; Parkin JL, Radiology 1987; 164: 97
- Nervous system**
- computer and stereotactic surgery in neurological surgery, Jenny AB; Biondetti PR; Layton B; et al, Comput Med Imag Graph 1988; 12: 75
- Nervous system, abnormalities**
- central nervous system, Goldberg HI; Zimmerman RA, Semin Roentgenol 1987; 22: 205
- classification of congenital abnormalities of the CNS, van der Knaap MS; Valk J, AJNR 1988; 9: 315
- computed tomography of optic nerve colobomas, morning glory anomaly, and colobomatous cyst, Mafee MF; Jampol LM; Langer BG; et al, Radiol Clin North Am 1987; 25: 693
- cranial computed tomographic findings in patients with choro-oral syndrome, Iwasaki Y; Kinoshita M, Comput Med Imag Graph 1988; 12: 237
- cranio-cervical growth collision: another explanation of the Arnold-Chiari malformation and of basilar impression, Roth M, Neuroradiol 1986; 28: 187
- vascular basis for neural tube defects: a hypothesis, (ab), Stevenson RE; Kelly JC; Aylsworth AS; et al, Radiology 1987; 165: 888
- Nervous system, CT**
- anatomy and computed tomography of the normal lumbosacral plexus, Dietemann JL; Sick H; Wolfram-Gabel R; et al, Neuroradiol 1987; 29: 58
- blinded clinical comparison of MR imaging and CT in neuroradiology, Houghton VM; Rimm AA; Sobocinski KA; Papke RA; Daniels DL; Williams AL; Lynch R; Levine R, Radiology 1986; 160: 751
- Claude's syndrome: clinical and computed tomography correlations, Woo E; Huang CY; Chan FL; et al, CT 1987; 11: 208
- CNS complications of AIDS: CT and MR findings, Ramsey RG; Geremia GK, AJR 1988; 151: 449
- computerized tomographic diagnostic aspects of acquired immunodeficiency syndrome, Weisberg LA; Garcia C; Stazio A, Comput Med Imag Graph 1988; 12: 225
- cranio-cervical manifestations of neurofibromatosis: MR versus CT studies, Mayer JS; Kulkarni MV; Yeakley JW, JCAT 1987; 11: 839
- CT identification of celiac ganglia, (ab), Dal Pozzo G; Bozza A; Fagnoli R; et al, Radiology 1986; 158: 567
- CT of CNS lesions in lymphomatoid granulomatosis: case report, Podias HB; Gritzman MCD; Thomaidis S; et al, AJNR 1988; 9: 592
- direct CT demonstration suggesting oculomotor nerve avulsion following minor head trauma: case report, Asari S; Yamamoto Y; Satoh T, Comput Radiol 1987; 11: 131
- idiopathic inflammation of optic nerve simulating optic nerve sheath meningioma: CT demonstration, Zhang T-L; Shao S; Zhang T; et al, JCAT 1987; 11: 360
- long term effects of the introduction of noninvasive investigations in neuroradiology: part 1: overall trends, Moseley IF, Neuroradiol 1988; 30: 187
- long term effects of the introduction of noninvasive investigations in neuroradiology: part 2: effects on management of individual patients, Moseley I, Neuroradiol 1988; 30: 193
- lumbosacral plexus: anatomic-radiologic-pathologic correlation using CT, Gebarski KS; Gebarski SS; Glazer GM; Samuels BI; Francis IR, Radiographics 1986; 6: 401
- MRI and CT of sellar and parasellar disorders, Naheedy MH; Haaga JR; Azar-Kia B; et al, Radiol Clin North Am 1987; 25: 819
- nerve root enlargement in Charcot-Marie-Tooth disease: CT appearance, Morano JU; Russell WF, Radiology 1986; 161: 784
- neurosarcoidosis: evaluation using computed tomography and magnetic resonance imaging, Cooper SD; Brady MB; Williams JP; et al, CT 1988; 12: 96
- vagal neuropathy: evaluation with CT and MR imaging, Jacobs CJM; Harnsberger HR; Lufkin RB; Osborn AG; Smoker WRK; Parkin JL, Radiology 1987; 164: 97
- Nervous system, diseases**
- actinomycotic granuloma of the trigeminal ganglion, Atri M; Robertson WD; Durity FA; et al, AJNR 1987; 8: 167
- central nervous system (CNS) manifestations of AIDS, Reilman LL, Semin Roentgenol 1987; 22: 4
- central nervous system manifestations of the phakomatoses on MR, Braffman BH; Bilaniuk LT; Zimmerman RA, Radiol Clin North Am 1988; 26: 773
- Claude's syndrome: clinical and computed tomography correlations, Woo E; Huang CY; Chan FL; et al, CT 1987; 11: 208
- computed tomography and angiography in MELAS (mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes): report of 3 cases, Hasuo K; Tamura S; Yasumori K; et al, Neuroradiol 1987; 29: 393
- computed tomography of bilateral thalamic hypodensity in acute encephalopathy, Tateno A; Sakai K; Sakai S; et al, JCAT 1988; 12: 637
- computerized tomography and nuclear magnetic resonance imaging in Marchiafava-Bignami disease, Mayer JM; De Liège P; Netter JM; et al, J Neuroradiol 1987; 14: 152
- gallium-67 uptake in meningeal sarcoidosis, Ayres JC; Hicks BH; Maisey MN, Clin Nucl Med 1986; 11: 507
- general case of the day: annual meeting, 1987, Jensen ME; Gulati AN; Laine FJ, Radiographics 1988; 8: 578
- high-field spin-echo MR imaging of superficial and subependymal siderosis secondary to neonatal intraventricular hemorrhage, Gomori JR; Grossman RI; Goldberg HI; et al, Neuroradiol 1987; 29: 339
- magnetic resonance imaging in central nervous system sarcoidosis, (ab), Miller DH; Kendall BE; Barter S; et al, Radiology 1988; 169: 886
- magnetic resonance imaging in Huntington disease, Simmons JT; Pastakia B; Chase TN; et al, AJNR 1986; 7: 25
- massive intracranial plexus and a pseudomeningocele in the atlanto-dental interval in rheumatoid arthritis, Stevens JM; Barter S; Kendall BE, Br J Radiol 1987; 60: 185
- meningovascular syphilis: CT and MR findings, Holland BA; Perrett LV; Mills CM, Radiology 1986; 158: 439
- microangiopathic syndrome of encephalopathy, hearing loss, and retinal arteriolar occlusions, (ab), Monteiro MLR; Swanson RA; Coppeto JR; et al, Radiology 1986; 159: 822
- MR imaging of the intrapontine facial nerve: normal anatomy and pathology, Teresi LM; Kolin E; Lufkin RB; et al, AJNR 1987; 8: 253
- nerve root enlargement in Charcot-Marie-Tooth disease: CT appearance, Morano JU; Russell WF, Radiology 1986; 161: 784
- neuroarthropathy associated with chronic alcoholism, Bjorkengren AG; Weisman M; Pathria MN; et al, AJR 1988; 151: 743
- neuroradiology of AIDS, Sze G; Brant-Zawadzki MN; Norman D; et al, Semin Roentgenol 1987; 22: 42
- neurosarcoidosis: evaluation using computed tomography and magnetic resonance imaging, Cooper SD; Brady MB; Williams JP; et al, CT 1988; 12: 96
- neurosarcoidosis responding to steroids, Reed LD; Abbas S; Markivee CR; et al, AJR 1986; 146: 819
- Wallerian degeneration: evaluation with MR imaging, Kuhn MJ; Johnson KA; Davis KR, Radiology 1988; 168: 199
- Wallerian degeneration in a patient with Schilder disease: MR imaging demonstration, Cobb SR; Mehninger CM, Radiology 1987; 162: 521
- Nervous system, dysfunction**
- vagal neuropathy: evaluation with CT and MR imaging, Jacobs CJM; Harnsberger HR; Lufkin RB; Osborn AG; Smoker WRK; Parkin JL, Radiology 1987; 164: 97
- Nervous system, effects of drugs on**
- computed tomography, magnetic resonance imaging, and pathologic observations of the effects of intrathecal metrizamide and iohexol on the canine central nervous system, Wood AKW; Kundel HL; McGrath JT; et al, Invest Radiol 1987; 22: 672
- effect of misonidazole on neurotransmitter systems, McNeill TH; Koek LL; Brown SA; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1067
- vasoactivity of verapamil in the canine hindlimb and sympathetic nervous system interaction, Dalessandri KM; Lantz BMT, Acta Radiol 1987; 28: 649
- Nervous system, injuries**
- cervical myelography of nerve root avulsion injuries using water-soluble contrast media, Cobby MJD; Leslie IJ; Watt I, Br J Radiol 1988; 61: 673
- direct CT demonstration suggesting oculomotor nerve avulsion following minor head trauma: case report, Asari S; Yamamoto Y; Satoh T, Comput Radiol 1987; 11: 131
- Hornor's syndrome secondary to traumatic pseudoaneurysms, Yang PJ; Seeger JR; Carmody RF; et al, AJNR 1986; 7: 913
- neuroimaging of scuba diving injuries to the CNS, Warren LP Jr; Djang WT; Moon RE; et al, AJNR 1988; 9: 933
- Nervous system, MR studies**
- blinded clinical comparison of MR imaging and CT in neuroradiology, Houghton VM; Rimm AA; Sobocinski KA; Papke RA; Daniels DL; Williams AL; Lynch R; Levine R, Radiology 1986; 160: 751
- central nervous system manifestations of the phakomatoses on MR, Braffman BH; Bilaniuk LT; Zimmerman RA, Radiol Clin North Am 1988; 26: 773
- cervical neural foramina: correlative anatomic and MR imaging study, Czervionke LF; Daniels DL; Ho PSP; Yu S; Pech P; Strandt J; Williams AL; Houghton VM, Radiology 1988; 169: 753
- CNS complications of AIDS: CT and MR findings, Ramsey RG; Geremia GK, AJR 1988; 151: 449
- contrast-enhanced magnetic resonance imaging of tumours of the central nervous system: clinical review, Graif M; Steiner RE, Br J Radiol 1986; 59: 865
- cranio-cervical manifestations of neurofibromatosis: MR versus CT studies, Mayer JS; Kulkarni MV; Yeakley JW, JCAT 1987; 11: 839
- dynamic MR imaging: further possibility for characterizing CNS lesions, Koschorek F; Jensen H-P; Terwey B, AJNR 1987; 8: 259
- initial experience with fast low-angle multiecho (FLAME) imaging of the central nervous system, Hackney DB; Lenkinski RE; Grossman RI; et al, JCAT 1988; 12: 171
- in vitro magnetic resonance properties of CNS neoplasms and associated cysts, Jungreis CA; Chandra R; Kricheff I; et al, Invest Radiol 1988; 23: 12
- magnetic resonance imaging in central nervous system sarcoidosis, (ab), Miller DH; Kendall BE; Barter S; et al, Radiology 1988; 169: 886
- magnetic resonance imaging in small lesions of the central nervous system: improvement by gadolinium-DTPA, Schroth G; Grodd W; Guhl L; et al, Acta Radiol 1987; 28: 667
- MRI and CT of sellar and parasellar disorders, Naheedy MH; Haaga JR; Azar-Kia B; et al, Radiol Clin North Am 1987; 25: 819
- MRI approach of multiple sclerosis: 449 cases examined at 0.15 tesla, Appel B; Moens E; Rinck P; et al, J Neuroradiol 1988; 15: 108
- MRI in the central form of neurofibromatosis: 20 patients, Tamraz JC; Iba-Zizen MT; Veres C; et al, J Neuroradiol 1987; 14: 365
- MR imaging of intravoxel incoherent motions: application to diffusion and perfusion in neurologic disorders, Le Bihan D; Breton E; Lallemand D; Grenier P; Cabanis E; Laval-Jeantet M, Radiology 1986; 161: 401

Nervous system, MR studies

- MR imaging of optic pathways in patients with neurofibromatosis. Brown EW; Riccardi VM; Mawad M; et al. *AJNR* 1987; 8: 1031
- MR imaging of primary tumors of trigeminal nerve and Meckel's cave. Yuh WTC; Wright DC; Barloon TJ; et al. *AJNR* 1988; 9: 665
- MR imaging of the intraparotid facial nerve: normal anatomy and pathology. Teresi LM; Kolin E; Lufkin RB; et al. *AJNR* 1987; 8: 253
- MR imaging of the intratemporal facial nerve using surface coils. Teresi LM; Lufkin RB; Wortham DG; et al. *AJNR* 1987; 8: 49
- MRI of central nervous system: early clinical results. Zimmerman RA; Bilaniuk LT; Johnson MH; et al. *AJNR* 1986; 7: 587
- MRI of optic chiasm and optic pathways. Albert A; Lee BCP; Saint-Louis L; et al. *AJNR* 1986; 7: 255
- MRI of the central nervous system in neonates and young children. Lee BCP; Lipper E; Nass R; et al. *AJNR* 1986; 7: 605
- MR of acute experimental allergic encephalomyelitis. Grossman RI; Lisak RP; Macchi PJ; et al. *AJNR* 1987; 8: 1045
- MR of visual pathways in patients with neurofibromatosis. Pomeranz SJ; Shelton JJ; Tobias J; et al. *AJNR* 1987; 8: 831
- myelinated and nonmyelinated nerves: comparison of proton MR properties. Jolesz FA; Polak JF; Adams DF; Ruenzel PW. *Radiology* 1987; 164: 89
- neurosarcoidosis: evaluation using computed tomography and magnetic resonance imaging. Cooper SD; Brady MB; Williams JP; et al. *CT* 1988; 12: 96
- NMR follow-up studies of CNS-tumors in infancy and childhood. Higer HP; Gutjahr P; Schmidberger P; et al. *Eur J Radiol* 1987; 7: 49
- parotid masses: MR imaging. Teresi LM; Lufkin RB; Wortham DG; Abemayor E; Hanafey WN. *Radiology* 1987; 163: 405
- postnatal NMR changes in guinea pig central nervous system: potential relevance to experimental allergic encephalomyelitis. Noseworthy JH; Gilbert JJ; Vandervoort MK; et al. *Magn Res Med* 1988; 6: 199
- STIR sequences in NMR imaging of the optic nerve. Johnson G; Miller DH; MacManus D; et al. *Neuroradiol* 1987; 29: 238
- trigeminal nerve: anatomic correlation with MR imaging. Daniels DL; Pech P; Pojunaas KW; Kilgore DP; Williams AL; Houghton VM. *Radiology* 1986; 159: 577
- trigeminal nerve lipoma: MR findings. Yuh WTC; Barloon TJ; Jacoby CG. *JCAT* 1987; 11: 518
- vagal neuropathy: evaluation with CT and MR imaging. Jacobs CJM; Harnsberger HR; Lufkin RB; Osborn AG; Smoker WRK; Parkin JL. *Radiology* 1987; 164: 97
- Wallerian degeneration: evaluation with MR imaging. Kuhn MJ; Johnson KA; Davis KR. *Radiology* 1988; 168: 199
- Wallerian degeneration in a patient with Schilder disease: MR imaging demonstration. Cobb SR; Mehninger CM. *Radiology* 1987; 162: 521
- ### Nervous system, neoplasms
- brachial plexus: correlation of MR imaging with CT and pathologic findings. Rapoport S; Blair DN; McCarthy SM; Desser TS; Hammers LW; Sostman HD. *Radiology* 1988; 167: 161
- central nervous system metastases from non-Hodgkin's lymphoma: treatment and prophylaxis. (ab). Recht L; Straus DJ; Cirincione C; et al. *Radiology* 1988; 168: 295
- cerebrospinal fluid: detection of tumors and disk herniations with MR spectroscopy. Koschorek F; Gremmel H; Stelten J; Offermann W; Leibfritz D. *Radiology* 1988; 167: 813
- chemodectoma of the carotid body and ganglion nodosum treated with radiation therapy. Mendenhall WM; Million RR; Parsons JT; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2175
- contrast-enhanced magnetic resonance imaging of tumours of the central nervous system: clinical review. Graif M; Steiner RE. *Br J Radiol* 1986; 59: 865
- disorders of histogenesis: the neurocutaneous syndromes. Crawford SC; Boyer RS; Harnsberger HR; et al. *Semin US CT MR* 1988; 9: 247
- dynamic MR imaging: further possibility for characterizing CNS lesions. Koschorek F; Jensen H-P; Terwey B. *AJNR* 1987; 8: 259
- extracranial and intracranial nerve sheath tumors: computed tomographic evaluation. Chui MC; Bird BL; Rogers J. *Neuroradiol* 1988; 30: 47
- intraocular extension of optic nerve meningioma in a case of neurofibromatosis. (ab). Cibis GW; Whittaker CK; Wood WE. *Radiology* 1986; 158: 285
- in vitro magnetic resonance properties of CNS neoplasms and associated cysts. Jungreis CA; Chandra R; Kricheff I; et al. *Invest Radiol* 1988; 23: 12
- localization of technetium-99m pertechnetate in peripheral nerve tumors. Koch KJ; Siddiqui AR; Wellman HN; et al. *J Nucl Med* 1986; 27: 1713
- malignant nerve-sheath neoplasms in neurofibromatosis: distinction from benign tumors by using imaging techniques. Levine E; Huntrakoon M; Wetzel LH. *AJR* 1987; 149: 1059
- midline central nervous lipomas in children. Macpherson RI; Holgate RC; Gudeman SK. *J Canad Assoc Radiol* 1987; 38: 264
- MR and CT characteristics of gangliocytoma: a rare cause of epilepsy in children. Altman NR. *AJNR* 1988; 9: 917
- MR imaging in clinically suspected brachial plexus tumor. Castagno AA; Shuman WP. *AJR* 1987; 149: 1219
- MR imaging of primary tumors of trigeminal nerve and Meckel's cave. Yuh WTC; Wright DC; Barloon TJ; et al. *AJNR* 1988; 9: 665
- NMR follow-up studies of CNS-tumors in infancy and childhood. Higer HP; Gutjahr P; Schmidberger P; et al. *Eur J Radiol* 1987; 7: 49
- optic nerve tumors: role of magnetic resonance imaging and computed tomography. Azarkia B; Naheedy MH; Elias DA; et al. *Radiol Clin North Am* 1987; 25: 561
- palliative irradiation of carcinomatous lumbosacral plexus neuropathy. Ampil FL. *Int J Radiat Oncol Biol Phys* 1986; 12: 1681
- peripheral nerves of the extremities: imaging with US. Fornage BD. *Radiology* 1988; 167: 179
- primary central nervous system lymphoma. (ab). Kawakami Y; Tabuchi K; Ohnishi R; et al. *Radiology* 1986; 158: 572
- primary central nervous system lymphoma: CT and pathologic correlation. Lee Y-Y; Bruner JM; Van Tassel P; et al. *AJR* 1986; 147: 747
- primary lymphoma of the central nervous system: experience at Addenbrooke's Hospital. Cambridge. Ashby MA; Bowen D; Bleecken NM; et al. *Clin Radiol* 1988; 39: 173
- radionuclide diagnosis and therapy of neural crest tumors using iodine-131 metaiodobenzylguanidine. Hoefnagel CA; Voute PA; de Kraker J. *J Nucl Med* 1987; 28: 308
- thalamic oligodendrogliomas of childhood: CT and clinical course. Nov AA; Peirce KR; Mauney M; et al. *J Neuroradiol* 1988; 15: 23
- ultrasound appearances of peripheral nerve tumours. Hughes DG; Wilson DJ. *Br J Radiol* 1986; 59: 1041
- ### Nervous system, radionuclide studies
- localization of technetium-99m pertechnetate in peripheral nerve tumors. Koch KJ; Siddiqui AR; Wellman HN; et al. *J Nucl Med* 1986; 27: 1713
- long term effects of the introduction of noninvasive investigations in neuroradiology: part 1: overall trends. Moseley IF. *Neuroradiol* 1988; 30: 187
- long terms effects of the introduction of noninvasive investigations in neuroradiology: part 2: effects on management of individual patients. Moseley I. *Neuroradiol* 1988; 30: 193
- metaiodobenzylguanidine as an index of the adrenergic nervous system integrity and function. Sisson JC; Wieland DM; Sherman P; et al. *J Nucl Med* 1987; 28: 1620
- metaiodobenzylguanidine to map scintigraphically the adrenergic nervous system in man. Sisson JC; Shapiro B; Meyers L; et al. *J Nucl Med* 1987; 28: 1625
- positron emission tomography in the investigation of central nervous system disorders. Jamieson D; Alavi A; Jolles P; et al. *Radiol Clin North Am* 1988; 26: 1075
- radionuclide diagnosis and therapy of neural crest tumors using iodine-131 metaiodobenzylguanidine. Hoefnagel CA; Voute PA; de Kraker J. *J Nucl Med* 1987; 28: 308
- ### Nervous system, therapeutic radiology
- intermittent central nervous system irradiation and intrathecal chemotherapy for central nervous system leukemia in children. Kim TH; Ramsay NK; Steeves RA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1451
- palliative irradiation of carcinomatous lumbosacral plexus neuropathy. Ampil FL. *Int J Radiat Oncol Biol Phys* 1986; 12: 1681
- radiation therapy for the treatment of non-eighth nerve intracranial neurilemmoma. Wallner KE; Pitts LH; Davis RL; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 287
- ### Nervous system, US studies
- peripheral nerves of the extremities: imaging with US. Fornage BD. *Radiology* 1988; 167: 179
- ultrasound appearances of peripheral nerve tumours. Hughes DG; Wilson DJ. *Br J Radiol* 1986; 59: 1041
- ### Neuralgia
- arterial compression of the fifth cranial nerve causing trigeminal neuralgia: angiographic findings. de Lange EE; Vielvoye GJ; Voormolen JHC. *Radiology* 1986; 158: 721
- gas CT cisternography of trigeminal neuralgia caused by AVM of the cerebellopontine angle. Kawano H; Hayashi M; Kobayashi H; et al. *AJNR* 1987; 8: 161
- ### Neurilemmoma
- See Neuroma
- ### Neurinoma
- See Neuroma
- ### Neuritis
- isolated idiopathic optic neuritis: analysis of free K-light chains in cerebrospinal fluid and correlation with nuclear magnetic resonance findings. (ab). Rudick RA; Jacobs L; Kinkel PR; et al. *Radiology* 1986; 160: 861
- magnetic resonance imaging of the optic nerve in optic neuritis. (ab). Miller DH; Newton MR; van der Poel JC; et al. *Radiology* 1988; 169: 589
- progressive neurologic disorder in a middle-aged man. Zagoria RJ; Steiner E; Williams CD; et al. *Invest Radiol* 1986; 21: 589
- silent brain lesions in patients with isolated idiopathic optic neuritis: clinical and nuclear magnetic resonance imaging study. (ab). Jacobs L; Kinkel PR; Kinkel WR. *Radiology* 1986; 160: 861
- ### Neuroblastoma
- aggressive neuroblastoma simulating Wilms tumor. Rosenfield NS; Leonidas JC; Barwick KW. *Radiology* 1988; 166: 165
- aggressive neuroblastoma simulating Wilms tumor. Oliphant M; Berne AS. *Radiology* 1988; 167: 878
- antenatal sonographic diagnosis of adrenal neuroblastoma. Fowlie F; Giacomantonio M; McKenzie E; et al. *J Canad Assoc Radiol* 1986; 37: 50
- case report 493. Roberts JL; Magid D; Miller NR; et al. *Skeletal Radiol* 1988; 17: 375
- correlation between iodine-131 MIBG imaging and biological markers in advanced neuroblastoma. Yeh SDJ; Helson L; Benua RS. *Clin Nucl Med* 1988; 13: 46
- CT scanning in patients with opsymoclonus: importance of nonenhanced scan. Donaldson JS; Gilsanz V; Miller JH. *AJR* 1986; 146: 781
- cystic neuroblastoma in infants: radiographic and pathologic features. Atkinson GO Jr; Zaatari GS; Lorenzo RL; et al. *AJR* 1986; 146: 113
- cystic neuroblastoma with colonic fistula. Mohd TbH; Yip CH. *Pediatr Radiol* 1988; 18: 406

- diagnosis and treatment of neuroblastoma using metaiodobenzylguanidine, Edeling C-J; Frederiksen PB; Kamper J; et al, *Clin Nucl Med* 1987; 12: 632
- diagnostic imaging of human neuroblastoma with radiolabeled antibody, Miraldi FD; Nelson AD; Kraly C; Ellery S; Landmeier B; Coccia PF; Strandjord SE; Cheung N-KV, *Radiology* 1986; 161: 413
- diphosphonate intestinal activity seen on two bone images in neuroblastoma, McCarthy KE; Heyman S, *Clin Nucl Med* 1986; 11: 501
- extraosseous uptake of technetium-99m MDP in secondary deposits of neuroblastoma, Mandell GA; Heyman S, *Clin Nucl Med* 1986; 11: 337
- follow-up study using iodine-131 metaiodobenzylguanidine imaging in a patient with neuroblastoma, Ikekubo K; Habuchi Y; Jeong S; et al, *Clin Nucl Med* 1986; 11: 777
- hepatic imaging in Stage IV-S neuroblastoma, Franken EA Jr; Smith WL; Cohen MD; et al, *Pediatr Radiol* 1986; 16: 107
- imaging and treatment of disseminated neuroblastoma with ¹³¹I-metaiodobenzylguanidine, Gerrard M; Eden OB; Merrick MV, *Br J Radiol* 1987; 60: 393
- imaging in neuroblastoma—12 year experience, Alcock MK; Morris LL; LeQueune GW; et al, *Australas Radiol* 1986; 30: 38
- imaging of neuroblastoma: overview, Bouvaros A; Kirks DR; Grossman H, *Pediatr Radiol* 1986; 16: 89
- ¹³¹I-meta-iodobenzylguanidine scintigraphy in patients with neuroblastoma, Hibbi S; Todo S; Imashuku S; et al, *Pediatr Radiol* 1987; 17: 308
- iodine-131 MIBG scintigraphy of the extremities in metastatic pheochromocytoma and neuroblastoma, Shulkin BL; Shen SW; Sisson JC; et al, *J Nucl Med* 1987; 28: 315
- mechanism of direct spread of abdominal neuroblastoma: CT demonstration and clinical implications, Oliphant M; Berne AS, *Gastrointest Radiol* 1987; 12: 59
- MR imaging of intraspinal extension of neuroblastoma, Siegel MJ; Jamroz GA; Glazer HS; et al, *JCAT* 1986; 10: 593
- neuroblastoma: a specific sonographic tissue pattern, Amundson GM; Trevenen CL; Mueller DL; et al, *AJR* 1987; 148: 943
- neuroblastoma: the case for screening infants in North America, (ab), Woods WG; Tuchman M, *Radiology* 1987; 165: 591
- neuroblastoma: the role of MR imaging, Dietrich RB; Kangaroo H; Lenarsky C; et al, *AJR* 1987; 148: 937
- prenatal adrenal neuroblastoma: case report with review of the literature, Ferraro EM; Fakhr J; Aruny JE; et al, *J Ultrasound Med* 1988; 7: 275
- prenatal ultrasonographic diagnosis of fetal adrenal neuroblastoma, Giulian BB; Chang CCN; Yoss BS, *JCU* 1986; 14: 225
- primary cervical neuroblastoma: CT and MR findings, Casselman JW; Smet MH; Van Damme B; et al, *JCAT* 1988; 12: 684
- radiation therapy in the management of neuroblastoma: Duke University Medical Center experience 1967–1984, Halperin EC; Cox EB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1829
- radionuclide diagnosis and therapy of neural crest tumors using iodine-131 metaiodobenzylguanidine, Hoefnagel CA; Voute PA; de Kraker J, *J Nucl Med* 1987; 28: 308
- renal and scapular masses in a 57-year-old woman, van der Vliet AH; Ling D, *Urol Radiol* 1986; 8: 56
- renal metastases from neuroblastoma: report of two cases, Filiatrault D; Hoyoux C; Benoit P; et al, *Pediatr Radiol* 1987; 17: 137
- response of human neuroblastoma and melanoma multicellular tumor spheroids (MTS) to single dose irradiation, Evans SM; Labs LM; Yuhas JM, *Int J Radiat Oncol Biol Phys* 1986; 12: 969
- results of therapy in stage IV-S neuroblastoma with massive hepatomegaly, Blatt J; Deutsch M; Wollman MR, *Int J Radiat Oncol Biol Phys* 1987; 13: 1467
- retroperitoneal mass with intradural extension: value of magnetic resonance imaging in neuroblastoma, Dietrich RB; Kangaroo H, *AJR* 1986; 146: 251
- sonographic diagnosis and follow-up of abdominal neuroblastoma, Dershaw DD; Helson L, *Urol Radiol* 1988; 10: 80
- suprarenal haematoma versus neuroblastoma complicated by haemorrhage: diagnostic dilemma in the newborn, Eklof O; Mortenson W; Sandstedt B, *Acta Radiol* 1986; 27: 3
- targeting of ganglioside G_{D2} monoclonal antibody to neuroblastoma, Cheung N-KV; Neely JE; Landmeier B; et al, *J Nucl Med* 1987; 28: 1577
- thoracic neuroblastoma: antenatal demonstration in a case with unusual postnatal radiographic findings, de Filippi G; Canestri G; Bosio U; et al, *Br J Radiol* 1986; 59: 704
- uptake of iodine-123 MIBG by pheochromocytomas, paragangliomas, and neuroblastomas: histopathological comparison, Bomanji J; Levison DA; Flitman WD; et al, *J Nucl Med* 1987; 28: 973
- Neurocysticercosis**
See Cysticercosis
- Neurofibroma**
See Neuroma
- Neurofibromatosis**
case of a thoracic vertebral body dislocation without neurological signs in a child with neurofibromatosis, Fasanelli S; Colajacomo M; Gugliantini P; et al, *Pediatr Radiol* 1986; 16: 262
- case of neurofibromatosis associated with a coronary artery aneurysm and myocardial infarction, Kandarpa K; Stoll JF; Reiss C; et al, *Cardiovasc Intervent Radiol* 1988; 11: 143
- case of the month: pain in the pelvis, Geake TMS, *Br J Radiol* 1986; 59: 943
- central nervous system manifestations of the phakomatoses on MR, Braffman BH; Bilaniuk LT; Zimmerman RA, *Radiol Clin North Am* 1988; 26: 773
- cerebellar calcification in central neurofibromatosis: CT in two cases, Van Tassel P; Yeakley JW; Lee KF, *AJNR* 1987; 8: 913
- cranial MR imaging in neurofibromatosis, Bognanno JR; Edwards MK; Lee TA; et al, *AJNR* 1988; 9: 461
- craniocervical manifestations of neurofibromatosis: MR versus CT studies, Mayer JS; Kulkarni MV; Yeakley JW, *JCAT* 1987; 11: 839
- CT and MRI of orbital abnormalities in neurofibromatosis and selected craniofacial anomalies, Linder B; Campos M; Schafer M, *Radiol Clin North Am* 1987; 25: 787
- CT findings of laryngeal involvement in von Recklinghausen disease, Stines J; Rodde A; Carolus JM; et al, *JCAT* 1987; 11: 141
- different forms of neurofibromatosis, (ab), Huson SM, *Radiology* 1988; 166: 913
- disorders of histogenesis: the neurocutaneous syndromes, Crawford SC; Boyer RS; Harnsberger HR; et al, *Semin US CT MR* 1988; 9: 247
- duodenal carcinoid tumours, pheochromocytoma and neurofibromatosis: islet cell tumour, pheochromocytoma and the Von Hippel-Lindau complex: two distinctive neuroendocrine syndromes, (ab), Griffiths DFR; Williams GT; Williams ED, *Radiology* 1988; 167: 586
- dural ectasia as a cause of widening of the internal auditory canals in neurofibromatosis, Egelhoff JC; Ball WS Jr; Towbin RB; et al, *Pediatr Radiol* 1987; 17: 7
- magnetic resonance imaging of multiple spinal neurofibromatosis—neurofibromatosis, Lewis TT; Kingsley DPE, *Neuroradiol* 1987; 29: 562
- malignant nerve-sheath neoplasms in neurofibromatosis: distinction from benign tumors by using imaging techniques, Levine E; Huntrakorn M; Wetzel LH, *AJR* 1987; 149: 1059
- MRI in the central form of neurofibromatosis: 20 patients, Tamraz JC; Iba-Zizen MT; Veres C; et al, *J Neurosurg* 1987; 14: 365
- MR imaging of optic pathways in patients with neurofibromatosis, Brown EW; Riccardi VM; Mawad M; et al, *AJNR* 1987; 8: 1031
- MR of visual pathways in patients with neurofibromatosis, Pomeranz SJ; Shelton JJ; Tobias J; et al, *AJNR* 1987; 8: 831
- multifocal intracranial MR abnormalities in neurofibromatosis, Hurst RW; Newman SA; Cail WS, *AJNR* 1988; 9: 293
- multiple skeletal fibroxanthomas: radiologic-pathologic correlation of 72 cases, Moser KP Jr; Sweet DE; Haseman DB; et al, *Skeletal Radiol* 1987; 16: 353
- neurofibromatosis, (ab), Riccardi VM, *Radiology* 1988; 166: 913
- neurofibromatosis and agenesis of the corpus callosum in identical twins: MR diagnosis, Atlas SW; Zimmerman RA; Bruce D; et al, *AJNR* 1988; 9: 598
- percutaneous transluminal angioplasty: delayed response in neurofibromatosis, Gardiner GA Jr; Freedman AM; Shlansky-Goldberg R, *Radiology* 1988; 169: 79
- plexiform neurofibromatosis of the mediastinum: CT appearance, Bourgoin PM; Shepard JO; Moore EH; et al, *AJR* 1988; 151: 461
- plexiform neurofibromatosis of the orbit: CT evaluation, Reed D; Robertson WD; Rootman J; et al, *AJNR* 1986; 7: 259
- solitary neurofibroma of the vagus nerve in the aortopulmonary window masquerading as a developmental cyst, Shin MS; McEivie RB; Reeves RC; et al, *CT* 1988; 12: 57
- SPECT imaging of para-axial neurofibromatosis with technetium-99m DTPA, Mandell GA; Harcke HT; Sharkey C; et al, *J Nucl Med* 1987; 28: 1688
- spinal and paraspinal neurofibromatosis: surface coil MR imaging at 1.5 T, Burk DL Jr; Brunberg JA; Kanal E; Latchaw RE; Wolf GL, *Radiology* 1987; 162: 797
- spine changes in neurofibromatosis, Yaghami I, *Radiographics* 1986; 6: 261
- traumatic arterio-venous fistula with false aneurysm in neurofibromatosis, Tsuha M; Kashiwagi S; Katoh S; et al, *Neuroradiol* 1988; 30: 88
- uptake of bone scanning agent in neurofibromatosis, Holbert BL; Lamki LM; Holbert JM, *Clin Nucl Med* 1987; 12: 66
- value of computed tomography in elephantiasis neuromatosa, Birch PD; Davies AM, *Br J Radiol* 1988; 61: 76
- young boy with abdominal wall abnormality, Abbott PL; Dowd CF, *Invest Radiol* 1987; 22: 836
- Neuroma**
acoustic neuroma and posterior fossa meningioma: clinical and CT radiologic findings, Catz A; Reider-Grosswasser I, *Neuroradiol* 1986; 28: 47
- acoustic neuroma and other acoustic nerve disorders: role of MRI and CT: an analysis of 238 cases, Mafee MF, *Semin US CT MR* 1987; 8: 256
- acoustic neuromas: Gd-DTPA enhancement in MR imaging, Curati WL; Graif M; Kingsley DPE; Niendorf HP; Young IR, *Radiology* 1986; 158: 447
- acoustic neuromas in children, Hernandez-Schulman M; Welch K; Strand R; et al, *AJNR* 1986; 7: 519
- benign extraaxial tumors: contrast enhancement with Gd-DTPA, Breger RK; Papke RA; Pojuna KW; Houghton VM; Williams AL; Daniels DL, *Radiology* 1987; 163: 427
- case report: acoustic neuroma presenting as a cyst with fluid level, Patel PJ; Kolaswale TM, *CT* 1987; 11: 383
- case report: plexiform trigeminal neurofibroma, Gholkar A; Stack JP; Isherwood I, *Clin Radiol* 1988; 39: 313
- common tumors of the parapharyngeal space: refined imaging diagnosis, Som PM; Sacher M; Stollman AL; Biller HF; Lawson W, *Radiology* 1988; 169: 81
- CT in diagnosis of acoustic neuromas, Wu E-h; Tang Y-s; Zhang Y-t; et al, *AJNR* 1986; 7: 645
- dural ectasia as a cause of widening of the internal auditory canals in neurofibromatosis, Egelhoff JC; Ball WS Jr; Towbin RB; et al, *Pediatr Radiol* 1987; 17: 7

- esthesioneuromas: contribution of CT and NMR to the study, Pharoaz C; Chossière D; Bassoulet J; et al, *J Neuroradiol* 1987; 14: 141
- exogastric neurilemmoma presenting as acute abdomen: role of computed tomography in diagnosis, Nussinson E; Vigder L; Kavesh Z; et al, *Gastrointest Radiol* 1988; 13: 306
- extracranial and extraspinal nerve sheath tumors: computed tomographic evaluation, Chui MC; Bird BL; Rogers J, *Neuroradiol* 1988; 30: 47
- facial nerve neurinoma presenting as middle cranial fossa mass: CT appearance, Kienle GD; Goldenberg MH; Just NWM; et al, *JCAT* 1986; 10: 391
- facial nerve neuromas: CT findings, Inoue Y; Tabuchi T; Hakuba A; et al, *JCAT* 1987; 11: 942
- false diagnosis of acoustic neuroma due to subdural injection during gas CT cisternogram, Larsson E-M; Holts S, *JCAT* 1986; 10: 1025
- imaging of intradural extramedullary tumours: neurinomas and meningiomas, Boissier-Lacroix M; Kien P; Caille JM, *J Neuroradiol* 1987; 14: 66
- intracranial petrous apex neuroma: CT findings, Solodnik P; Som PM; Shugar JMA; et al, *JCAT* 1986; 10: 1027
- I. R. M. et neurinomes (NMR imaging and neuromas), Braun M; Cosnard G; Cabanis EA; et al, *J Neuroradiol* 1986; 13: 209
- is no treatment good treatment in the management of acoustic neuromas in the elderly? (ab), Nedzelski JM; Canter RJ; Kassel EE; et al, *Radiology* 1987; 163: 592
- localized orbital neurofibromas, (ab), Krohel GB; Rosenberg PN; Wright JE; et al, *Radiology* 1986; 159: 822
- lumbar neurofibromas: CT appearance and differential diagnosis, Lau LSW; Petty PG, *Australas Radiol* 1987; 31: 83
- lump on the thigh, Crone M; Watt I, *Br J Radiol* 1987; 60: 1035
- magnetic resonance imaging of acoustic neuromas: the role of gadolinium-DTPA, Stack JP; Ramsden RT; Antoun NM; et al, *Br J Radiol* 1988; 61: 800
- MR diagnosis of acoustic neuromas, Mikhael MA; Ciric IS; Wolff AP, *JCAT* 1987; 11: 232
- MR findings of an unusual intracranial neuroma simulating a meningioma, Flickinger FW; Yuh WTC; Sato Y; et al, *JCAT* 1988; 12: 485
- MRI in acoustic neuroma: review of 35 patients, Curati WL; Graif M; Kingsley DFE; et al, *Neuroradiol* 1986; 28: 208
- MR of the normal and abnormal internal auditory canal, Valvassori GE; Morales FG; Palacios E; et al, *AJNR* 1988; 9: 115
- neurofibroma of the oesophagus: case report, Madrid G; Pardo J; Perez C; et al, *Eur J Radiol* 1986; 6: 67
- peripheral nerves of the extremities: imaging with US, Fornage BD, *Radiology* 1988; 167: 179
- postamputation neuromas and other symptomatic stump abnormalities: detection with CT, Singdon RD; Feldman F; Slipman CW; Gonzalez E; Rosenberg ZS; Kiernan H, *Radiology* 1987; 162: 743
- postoperative CT findings in acoustic neuromas operated upon by a translabrynthine approach, Larsson E-M; Cronqvist S; Sundberg G; et al, *Neuroradiol* 1986; 28: 199
- problems in air cisternography, (ab), Barrs DM; Vedder JS, *Radiology* 1987; 163: 591
- radiation therapy for the treatment of non-eighth nerve intracranial neurilemmoma, Wallner KE; Pitts LH; Davis RL; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 287
- radiologic findings in peripheral neurilemmoma, Reinbold W-D; Wimmer B; Adler CP; et al, *Eur J Radiol* 1987; 7: 268
- sixth nerve neuroma in the cavernous sinus: CT features, Hansman ML; Hoover ED; Peyster RG, *JCAT* 1986; 10: 1030
- systematic approach to the surgical management of acoustic neuroma, (ab), Glasscock ME; Kveton JF; Jackson CG; et al, *Radiology* 1987; 164: 887
- temporal bone region: high-resolution MR imaging using surface coils, Koenig H; Lenz M; Sauter R, *Radiology* 1986; 159: 191
- ultrasound appearances of peripheral nerve tumours, Hughes DG; Wilson DJ, *Br J Radiol* 1986; 59: 1041
- ultrasound case of the day: annual meeting, 1986, Cole-Beugler CM; Miller EJ; Aufrechtig D; Pais MJ; Cohen AJ, *Radiographics* 1987; 7: 822
- vascularization of peripheral neurilemmomas: angiographic, computed tomographic, and histologic studies, Berlin O; Stener B; Lindahl S; et al, *Skeletal Radiol* 1986; 15: 275
- volume growth rate of acoustic neuromas, Laasonen EM; Troupp H, *Neuroradiol* 1986; 28: 203
- ## Neuroradiology
- See Brain, CT; Cerebral angiography; Cerebral blood vessels; Nerves; Nervous system; Spinal cord, etc.
- ## Neutrons
- Amsterdam fast neutron therapy project: a final report, Battermann JJ; Muijheer BJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2093
- analysis of the radiation related morbidity observed in a randomized trial of neutron therapy for bladder cancer, Duncan W; Williams JR; Kerr GR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2085
- Clatterbridge high-energy neutron therapy facility: measurements of beam parameters for clinical use, Shaw JE; Bonnett DE; Blake SW, *Br J Radiol* 1988; 61: 47
- Clatterbridge high-energy neutron therapy facility: specification and performance, Bonnett DE; Blake SW; Shaw JE; et al, *Br J Radiol* 1988; 61: 38
- comparative review of the Hammersmith (1971-75) and Edinburgh (1977-82) neutron therapy trials of certain cancers of the oral cavity, oropharynx, larynx and hypopharynx, Medical Research Council Neutron Therapy Working Group, *Br J Radiol* 1986; 59: 429
- comparison of clinical and laboratory data on neutron therapy for locally advanced tumors, Catterall M; Errington RD; Bewley DK, *Int J Radiat Oncol Biol Phys* 1987; 13: 1783
- dose distribution of neutron beam and chromosome analysis, Matsubara S; Kuwabara Y; Horiuchi J; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 503
- Edinburgh experience of treating sarcomas of soft tissues and bone with neutron irradiation, Duncan W; Arnott SJ; Jack WJL, *Clin Radiol* 1986; 37: 317
- evaluation of fast neutron irradiation in the treatment of squamous cell carcinoma in cervical lymph nodes, Duncan W; Orr JA; Arnott SJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1793
- fast neutron therapy for soft tissue sarcoma, Pickering DG; Stewart JS; Rampling R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1489
- fast neutron therapy for squamous cell carcinoma in the head and neck region: results of a randomized trial, Duncan W; Orr JA; Arnott SJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 171
- implications of improved treatment of malignant salivary gland tumors by fast neutron radiotherapy, Catterall M; Errington RD, *Int J Radiat Oncol Biol Phys* 1987; 13: 1313
- induction of sister-chromatid exchanges by d(42 MeV)-Be neutrons in unstimulated human-blood lymphocytes, Savage JRK; Holloway M, *Br J Radiol* 1988; 61: 231
- memoranda from the British Committee on Radiation Units and Measurements: effective quality factor for neutrons, *Br J Radiol* 1986; 59: 945
- neutron therapy in cervical cancer: results of a phase III RTOG study, Maor MH; Gillespie BW; Peters LJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 885
- phase I study of mixed (neutron and photon) irradiation using two fractions per day in the treatment of high-grade astrocytomas, Duncan W; McLelland J; Davey P; et al, *Br J Radiol* 1986; 59: 441
- randomized neutron dose searching study for malignant gliomas of the brain: results of an RTOG study, Laramore GE; Diener-West M; Griffin TW; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1093
- re-irradiation of locally recurrent tumors with fast neutrons, Saroja KR; Hendrickson FR; Cohen L; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 115
- re-irradiation of recurrent head and neck cancer with fast neutrons, Skolyszewski J; Korzeniowski S, *Br J Radiol* 1988; 61: 527
- report of a randomised pilot study of the treatment of patients with supratentorial gliomas using neutron irradiation, Duncan W; McLelland J; Jack WJL; et al, *Br J Radiol* 1986; 59: 373
- results of a randomised trial of mixed-schedule (neutron/photon) irradiation in the treatment of supratentorial grade III and grade IV astrocytoma, Duncan W; McLelland J; Jack WJL; et al, *Br J Radiol* 1986; 59: 379
- results of fast neutron therapy in advanced head and neck cancer, Skolyszewski J; Korzeniowski S; Huczowski J, *Br J Radiol* 1988; 61: 301
- short-course neutron therapy for advanced head and neck cancer, Skolyszewski J; Fowler JE; Huczowski J, *Br J Radiol* 1988; 61: 857
- update on malignant salivary gland tumors treated with neutrons at Fermilab, Saroja KR; Mansell J; Hendrickson FR; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1319
- ## Nitroxides
- intrathecal administration of nitroxides as potential contrast agents for MR imaging, Rosen GM; Griffith LK; Brown MA; Drayer BP, *Radiology* 1987; 163: 239
- nitroxides as potential contrast enhancing agents for MRI application: influence of structure on the rate of reduction by rat hepatocytes, whole liver homogenate, subcellular fractions, and ascorbate, Keana JFW; Pou S; Rosen GM, *Magn Res Med* 1987; 5: 525
- ## Nocardiosis
- nocardiosis of the lung: chest radiographic findings in 21 cases, Feigin DS, *Radiology* 1986; 159: 9
- positive indium-111 leukocyte scan in nocardia brain abscess, Bauman JM; Oenbach R; Hartschorn MF; et al, *J Nucl Med* 1986; 27: 60
- ## Non-Hodgkin lymphoma
- See Lymphoma
- ## Normal variant
- anatomic basis of the pseudotumor of the nasal cavity, Sistrom CL; Keats TE; Johnson CM III, *AJR* 1986; 147: 782
- cervical rib diagnosis by computerized tomography, Newmark H III; Cassidy TD, *Comput Radiol* 1986; 4: 171
- CT of the lumbar spine: normal variants and pitfalls, Helms CA; Vogler JB III; Hardy DC, *Radiographics* 1987; 7: 447
- femoral head notch, Ozonoff MB; Zitter FMH Jr, *Skeletal Radiol* 1987; 16: 19
- foraminal spurs: normal variant in the lumbar spine, Helms CA; Sims RE, *Radiology* 1986; 160: 153
- invagination of the left subclavian artery into the left upper lobe—normal variant, Austin JHM, *Comput Radiol* 1986; 10: 127
- left upper quadrant pseudolesion secondary to normal variants in liver and spleen, Arenson AM; McKee JD, *JCU* 1986; 14: 558
- minimal asymmetry of the brain: normal variant, Shapiro R; Galloway SJ; Shapiro MD, *AJR* 1986; 147: 753
- MR imaging of the sellar spine, Fujisawa I; Asato R; Togashi K; et al, *JCAT* 1988; 12: 644
- normal variant simulating Freiberg's disease, Jensen EL; de Carvalho A, *Acta Radiol* 1987; 28: 85
- ossification centers of the pediatric elbow: rare normal variant, Resnik CS; Hartenberg MA, *Pediatr Radiol* 1986; 16: 254
- pseudo-splenic uptake in a DISIDA scan: a normal liver variant, Vazquez R; Oates E; Hesla R, *Clin Nucl Med* 1987; 12: 763
- radiologic features of Dévé's accessory lobe, Reed MH, *J Canad Assoc Radiol* 1988; 39: 13
- radiology of skeletal elements in the subitlial region: incidence and significance, Coral A, *Skeletal Radiol* 1987; 16: 298

- retropsoas recess: demonstration using computed tomography, Kelly RB; Mahoney PD; Frick MP, *Invest Radiol* 1987; 22: 550
- Nose**
case report 367, Pope TL Jr; Fechner RE; Keats TE, *Skeletal Radiol* 1986; 15: 327
- Nose, abnormalities**
computed tomography of choanal atresia: special considerations of the unilateral type, Rao VM; Wechsler RJ; Carter BL; et al, *CT* 1986; 10: 381
midline granuloma due to illicit cocaine use, (ab), Becker GD; Hill S, *Radiology* 1988; 169: 590
nasal airway obstruction: CT assessment, Chinwuba C; Wallman J; Strand R, *Radiology* 1986; 159: 503
opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors, Silver AJ; Baredes S; Bello JA; Blitzler A; Hilal SK, *Radiology* 1987; 163: 205
- Nose, CT**
computed tomography of choanal atresia: special considerations of the unilateral type, Rao VM; Wechsler RJ; Carter BL; et al, *CT* 1986; 10: 381
computed tomography of osteogenic sarcoma of nasal cavity and paranasal sinuses, Oot RF; Parizel PM; Weber AL, *JCAT* 1986; 10: 409
craniofacial mucormycosis: assessment with CT, Gamba JL; Woodruff WW; Djang WT; Yeates AE, *Radiology* 1986; 160: 207
CT appearance distinguishing benign nasal polyps from malignancies, Som PM; Sacher M; Lawson W; et al, *JCAT* 1987; 11: 129
esthesioneuromas: contribution of CT and NMR to the study, Pharaboz C; Chossière D; Bassoulet J; et al, *J Neuroradiol* 1987; 14: 141
nasal airway obstruction: CT assessment, Chinwuba C; Wallman J; Strand R, *Radiology* 1986; 159: 503
- Nose, diseases**
dilemmas in the management of chronic nasal and sinus inflammatory diseases of unknown etiology, (ab), Duncavage JA; Durkin GE; Lehman RH; et al, *Radiology* 1986; 161: 286
- Nose, fungus**
craniofacial mucormycosis: assessment with CT, Gamba JL; Woodruff WW; Djang WT; Yeates AE, *Radiology* 1986; 160: 207
- Nose, hemorrhage**
embolization of epistaxis and juvenile nasopharyngeal angiofibroma, Davis KR, *AJNR* 1986; 7: 953
epistaxis grave par rupture de la carotide interne dans le sinus sphenoidal; traitement endovasculaire (severe epistaxis by rupture of the internal carotid artery into the sphenoidal sinus: endovascular treatment), Gelbert F; Reizine D; Stecken J; et al, *J Neuroradiol* 1986; 13: 163
- Nose, MR studies**
esthesioneuromas: contribution of CT and NMR to the study, Pharaboz C; Chossière D; Bassoulet J; et al, *J Neuroradiol* 1987; 14: 141
sinonasal tumors and inflammatory tissues: differentiation with MR imaging, Som PM; Shapiro MD; Biller HF; Sasaki C; Lawson W, *Radiology* 1988; 167: 803
- Nose, neoplasms**
computed tomography of osteogenic sarcoma of nasal cavity and paranasal sinuses, Oot RF; Parizel PM; Weber AL, *JCAT* 1986; 10: 409
CT appearance distinguishing benign nasal polyps from malignancies, Som PM; Sacher M; Lawson W; et al, *JCAT* 1987; 11: 129
esthesioneuroma: a comparison of two treatment eras, Spaulding CA; Kranyak MS; Constable WC; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 581
esthesioneuromas: contribution of CT and NMR to the study, Pharaboz C; Chossière D; Bassoulet J; et al, *J Neuroradiol* 1987; 14: 141
external irradiation for squamous cell carcinoma of the nasal vestibule, Wong CS; Cummings BJ; Elhakim T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1943
- malignant tumors of the nasal cavity and ethmoid and sphenoid sinuses, Parsons JT; Mendenhall WM; Mancuso AA; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 11
MR imaging of esthesioneuroma, Schroth G; Gawehn J; Marquardt B; et al, *JCAT* 1986; 10: 316
nasal glioma and encephalocele: two separate entities, report of two cases, (ab), Younus M; Coode PE, *Radiology* 1987; 162: 295
opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors, Silver AJ; Baredes S; Bello JA; Blitzler A; Hilal SK, *Radiology* 1987; 163: 205
sinonasal tumors and inflammatory tissues: differentiation with MR imaging, Som PM; Shapiro MD; Biller HF; Sasaki C; Lawson W, *Radiology* 1988; 167: 803
- Nose, therapeutic radiology**
esthesioneuroma: a comparison of two treatment eras, Spaulding CA; Kranyak MS; Constable WC; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 581
external irradiation for squamous cell carcinoma of the nasal vestibule, Wong CS; Cummings BJ; Elhakim T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1943
polymorphic reticulosis limited to the upper aerodigestive tract—natural history and radiotherapeutic considerations, Smalley SR; Cupps RE; Anderson JA; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 599
- Nuclear medicine**
See Radionuclide imaging; Radionuclides; under names of diseases, organs, and regions
- Nuclides**
See Radionuclides
- Nutrition**
computed axial tomographic scanning of the thigh: an alternative method of nutritional assessment in pediatrics, (ab), Lerner A; Feld LG; Riddlesberger MM; et al, *Radiology* 1987; 162: 296
energy and protein intake and nutritional status in non-surgically treated patients with small cell anaplastic carcinoma of the lung, Enig B; Winther E; Hessov I, *Acta Oncol* 1986; 25: 19
food preferences, nutrient intake and nutritional status in cancer patients, Enig B; Petersen HN; Smith DF; et al, *Acta Oncol* 1987; 26: 301
fractionated low doses of abdominal irradiation alters jejunal uptake of nutrients, Thomson ABR; Keelan M; Cheeseman CI; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 917
mineral homeostasis in very premature infants: serial evaluation of serum 25-hydroxyvitamin D, serum minerals, and bone mineralization, (ab), Hillman LS; Hoff N; Salmons S; et al, *Radiology* 1986; 158: 283
nonsurgical repositioning of central venous catheters, Lois JE; Gomes AS; Pusey E, *Radiology* 1987; 165: 329
nonsurgical repositioning of central venous catheters, Hartnell GG; Wilde PH, *Radiology* 1988; 168: 581
total parenteral nutrition (TPN) and gallbladder diseases in neonates: sonographic assessment, Matos C; Avni EF; Van Gansbeke D; et al, *J Ultrasound Med* 1987; 6: 243
translumbar inferior vena cava Hickman catheter placement for total parenteral nutrition, Denny DF Jr; Dorfman GS; Greenwood LH; et al, *AJR* 1987; 148: 621
tube feeding enteral nutritional support in patients receiving radiation therapy for advanced head and neck cancer, Feznor RD; Archambeau JO; Lipsett JA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 935
- Nutritional disorders**
bone and soft tissue components of the leg in infants with protein calorie malnutrition, Akamaguna AI; Odita JC; Ugboada CI; et al, *Pediatr Radiol* 1986; 16: 40
case report 406, Boeve WJ; Martijn A, *Skeletal Radiol* 1987; 16: 67
parotid hypertrophy with bulimia: report of surgical management, (ab), Berke GS; Calcaterra TC, *Radiology* 1986; 159: 287
- O**
- Obesity**
bowel obstruction caused by gastric balloons, Conti PS; Warner CH; Fleisher AG; et al, *AJR* 1988; 151: 313
brain computed tomography in morbid obesity before and after gastric restriction surgery: a prospective quantitative study, Berginer VM; Solomon H; Hirsch M; et al, *Neuroradiol* 1987; 29: 540
cholelithiasis in the morbidly obese: diagnosis by US and oral cholecystography, Klingensmith WC III; Eckhout GV, *Radiology* 1986; 160: 27
cranial computed tomography in the morbidly obese patient, Curnes JT; Banning BC; Robards JB, *JCAT* 1987; 11: 920
effect of the Garren-Edwards Gastric Bubble on solid and liquid gastric emptying, Zieseman HA; Collen MJ; Fahey FH; et al, *Clin Nucl Med* 1988; 13: 586
gastric emptying before and after transverse gastropasty for morbid obesity, Vezina WC; Grace DM; Chamberlain MJ; et al, *Clin Nucl Med* 1986; 11: 308
gastric emptying studies in the morbidly obese before and after gastropasty, Christian PE; Datz FL; Moore JG, *J Nucl Med* 1986; 27: 1686
interventional radiologic treatment of complications following gastric bypass surgery for morbid obesity, Mishkin JD; Meranze SG; Burke DR; et al, *Gastrointest Radiol* 1988; 13: 9
morbid obesity treated by gastropasty: radionuclide gastric emptying studies, Drane WE, *Radiology* 1986; 159: 816
morbid obesity treated by gastropasty: radionuclide gastric emptying studies: reply, Arnstein NB; Shapiro B, *Radiology* 1986; 159: 816
small bowel obstruction due to Garren gastric bubble: radiographic diagnosis, Zeman RK; Benjamin SB; Cunningham MB; et al, *AJR* 1988; 150: 581
ultrasound evaluation of cholelithiasis in the morbidly obese, Silidker MS; Cronan JJ; Scola FH; et al, *Gastrointest Radiol* 1988; 13: 345
- Obituaries**
Abramson, Charles L., *Radiology* 1988; 168: 584
Arcomano, Joseph P., *Radiology* 1988; 168: 881
Balow, Rose M., *Radiology* 1988; 169: 582
Baltax, Harold A., *Radiology* 1986; 158: 562
Beckstrand, Grant H., *Radiology* 1987; 162: 881
Beeler, John W., *Radiology* 1987; 163: 834
Bell, Robert S., *Radiology* 1987; 164: 289
Benevanto, Thomas C., *Radiology* 1988; 169: 878
Bennett, Woodson, *Radiology* 1988; 169: 285
Biello, Daniel R., *Radiology* 1986; 161: 857
Birnbau, Martin J., *Radiology* 1986; 159: 564
Bouchillon, Cornelius D., III, *Radiol* 1988; 168: 287
Branch, Homer M., Jr., *Radiology* 1988; 168: 584
Breed, J. Ernest, *Radiology* 1987; 162: 580
Brindley, Betha W., *Radiology* 1987; 165: 880
Brooks, Ivy O., *Radiology* 1987; 163: 293
Bull, James W. D., *Radiology* 1987; 167: 880
Burdick, Robert L., *Radiology* 1988; 168: 287
Cacciarelli, Alexander T., *Radiology* 1987; 163: 286
Caldwell, Kendall W., *Radiology* 1987; 163: 835
Cannon, Abram H., *Radiology* 1986; 161: 281
Carnahan, Donald S., Jr., *Radiology* 1986; 160: 280
Chan, Kam F., *Radiology* 1987; 164: 290
Chesedon, Wayne A., *Radiology* 1988; 167: 288
Chiang, Lan-Chang, *Radiology* 1988; 168: 585
Cokeley, Clarence L., Jr., *Radiology* 1986; 161: 279
Cole-Beuglet, Catherine M., *Radiology* 1988; 167: 288
Collins, James R., *Radiology* 1988; 168: 881
Conahan, Thomas J., Jr., *Radiology* 1987; 163: 880
Cone, Donald F., *Radiology* 1988; 167: 585
Cornwell, William S., *Radiology* 1987; 165: 293
Curtzweiler, Francis C., *Radiology* 1988; 168: 288
Davis, James G., *Radiology* 1987; 163: 833
Decker, Fred H., *Radiology* 1988; 167: 879
Demy, Nicholas G., *Radiology* 1988; 169: 583
Dolin, Simon, *Radiology* 1987; 163: 286
Feimlee, John G., *Radiology* 1986; 160: 280
Feustner, Henry D., *Radiology* 1988; 169: 584
Freeman, Forrest W., *Radiology* 1988; 167: 583
Friedman, Asa B., *Radiology* 1988; 167: 585

- Friedman, Murray M., *Radiology* 1988; 167: 287
- Friend, William D., *Radiology* 1986; 161: 279
- Gabriel, Frederick R., *Radiology* 1986; 160: 569
- Gannon, William E., *Radiology* 1986; 160: 281
- Gilmore, John Hamilton, *Radiology* 1987; 162: 881
- Gruentzig, Andreas Roland, *Radiology* 1986; 159: 285
- Hall, Robert B., *Radiology* 1988; 166: 584
- Hargrove, Fred T., *Radiology* 1988; 166: 584
- Harris, Milo T., *Radiology* 1987; 163: 881
- Heilbrun, Norman, *Radiology* 1986; 161: 571
- Howard, Corbett E., *Radiology* 1988; 168: 583
- Howard, William H. R., *Radiology* 1988; 167: 880
- Hwa, Eugene C., *Radiology* 1987; 164: 288
- Hwang, Ung Kee, *Radiology* 1986; 161: 571
- Indovina, Michael, *Radiology* 1988; 169: 879
- Jacobi, Kathryn Sue, *Radiology* 1987; 164: 587
- Jaffrey, George M., *Radiology* 1986; 161: 857
- Jakes, Wayne E., *Radiology* 1987; 164: 288
- Janzen, Erwin M., *Radiology* 1986; 161: 280
- Johnson, Samuel H., *Radiology* 1987; 164: 880
- Jones, Victor T., *Radiology* 1986; 161: 572
- Kilby, Walter L., *Radiology* 1987; 162: 580
- Kilroy, Edward F., *Radiology* 1988; 167: 287
- Kim, Jae N., *Radiology* 1988; 169: 877
- Kinsey, Frank R., *Radiology* 1988; 166: 288
- Knudson, Harris W., *Radiology* 1986; 160: 281
- Kuhlman, Frederick Y., *Radiology* 1988; 166: 290
- Lerner, Harry A., *Radiology* 1987; 163: 287
- Lewis, Garner L., *Radiology* 1988; 169: 879
- Lievio, Edward G., *Radiology* 1988; 168: 289
- Logan, Mansfield Sullivan, *Radiology* 1986; 160: 569
- Lyon, James A., Jr., *Radiology* 1986; 159: 819
- Magleby, Dale H., *Radiology* 1988; 169: 877
- Magovern, John J., *Radiology* 1988; 166: 583
- Mahan, Thomas K., *Radiology* 1988; 168: 882
- Maher, Thomas F., Jr., *Radiology* 1988; 169: 582
- Marquis, John W., *Radiology* 1986; 160: 863
- McDonald, Raymond G., *Radiology* 1987; 165: 881
- McQuiggan, Thelma H., *Radiology* 1988; 168: 289
- Meyers, Paul Tabor, *Radiology* 1987; 162: 882
- Miller, George Andrew, Sr., *Radiology* 1986; 158: 562
- Mokrohsy, John F., *Radiology* 1986; 161: 856
- Moore, Kenneth D., *Radiology* 1988; 166: 906
- Morgan, Jack M., *Radiology* 1988; 169: 285
- Morgan, Richard K., *Radiology* 1988; 169: 284
- Morgan, Russell H., *Radiology* 1986; 160: 863
- Moseley, Robert D., Jr., *Radiology* 1988; 166: 289
- Myerson, Paul J., *Radiology* 1988; 168: 583
- Neuhäuser, Edward B. D., *Radiology* 1988; 166: 907
- Nickson, James J., *Radiology* 1986; 161: 280
- Oronzi, Vincent R., *Radiology* 1988; 169: 878
- Osmond, Leslie H., *Radiology* 1988; 166: 290
- Parsons, William B., *Radiology* 1988; 167: 584
- Pettit, Harold S., *Radiology* 1988; 167: 583
- Reich, John A., *Radiology* 1988; 166: 583
- Richman, Samuel S., *Radiology* 1988; 169: 284
- Robert, Agrippa Gayden, *Radiology* 1987; 162: 882
- Rover, Charles Cost, *Radiology* 1987; 163: 835
- Santos, Juan Jesus, *Radiology* 1987; 163: 834
- Schwartz, Harold, *Radiology* 1988; 169: 584
- Schwemley, Robert G., *Radiology* 1987; 165: 294
- Scruggs, Joe B., Jr., *Radiology* 1986; 159: 819
- Shriver, Alan W., *Radiology* 1987; 164: 880
- Siebert, Paul Eugene, *Radiology* 1987; 164: 587
- Siegel, Edward I., *Radiology* 1987; 164: 289
- Siris-Levitin, Evelyn L., *Radiology* 1988; 167: 289
- Smith, Carlisle C., *Radiology* 1986; 160: 570
- Snyder, Howard, *Radiology* 1988; 167: 583
- Sollenberger, Richard D., *Radiology* 1988; 167: 881
- Sommer, Arno W., *Radiology* 1988; 168: 882
- Stein, Justin J., *Radiology* 1988; 168: 288
- Stern, David, *Radiology* 1987; 165: 294
- Stewart, Alexander, *Radiology* 1987; 164: 290
- Stille, J. William, *Radiology* 1988; 167: 881
- Stuecheli, Milton B., *Radiology* 1988; 168: 290
- Taylor, Clifford C., *Radiology* 1986; 160: 570
- Taylor, Raymond A., *Radiology* 1988; 166: 906
- Teague, James O., *Radiology* 1986; 160: 282
- Thompson, Harvey J., Jr., *Radiology* 1988; 161: 572
- Tonken, Harvey, *Radiology* 1988; 168: 290
- Van Zwalenburg, Benjamin R., *Radiology* 1986; 161: 856
- Voke, Edward L., *Radiology* 1987; 163: 288
- Wahby, Elmer F., *Radiology* 1986; 158: 852
- Walter, Eric W., *Radiology* 1987; 163: 287
- Warfield, Chester H., *Radiology* 1987; 163: 833
- Waud, Robert E., *Radiology* 1986; 160: 282
- Weigle, Keith E., Jr., *Radiology* 1988; 167: 879
- Werie, Peter P., *Radiology* 1988; 167: 289
- Wheeler, Margaret S., *Radiology* 1988; 168: 585
- Whitehouse, Walter M., *Radiology* 1986; 158: 852
- Widrich, Warren C., *Radiology* 1988; 169: 583
- Wood, George F., Jr., *Radiology* 1986; 161: 281
- Worde, Boyd D., *Radiology* 1988; 166: 288
- Woutat, Philip H., *Radiology* 1987; 163: 288
- Obstetrics, US studies**
See Fetus, US studies; Placenta, US studies; Pregnancy, US studies
- Oleic acid**
regional pulmonary distribution of iodine-125-labeled oleic acid: its relationship to the pattern of oleic acid edema and pulmonary blood flow, Tarver RD; Tsai J; Hedlund LW; et al, *Invest Radiol* 1986; 21: 102
- Ollier disease**
See Enchondroma
- Omentum**
computed tomography of omental pathology, Cooper C; Jeffrey RB Jr; Silverman PM; et al, *JCAT* 1986; 10: 62
CT diagnosis of primary torsion of greater omentum, Ceuterick L; Baert AL; Marchal G; et al, *JCAT* 1987; 11: 1083
sonographic features of tuberculous omental cakes in peritoneal tuberculosis, Wu C-C; Chow K-S; Lü T-N; et al, *JCU* 1988; 16: 195
- Omentum, cysts**
computed tomography of benign cystic teratoma of the omentum, Ralls FW; Hartman B; White W; et al, *JCAT* 1987; 11: 548
mesenteric and omental cysts: histologic classification with imaging correlation, Ros PR; Olmsted WW; Moser RP Jr; Dachman AH; Hjerstad BH; Sobin LH, *Radiology* 1987; 164: 327
omental cyst mimicking the gallbladder, Giyanani VL; Jackson MK; Gerlock AJ Jr; et al, *JCU* 1986; 14: 131
- Omentum, neoplasms**
computed tomography of benign cystic teratoma of the omentum, Ralls FW; Hartman B; White W; et al, *JCAT* 1987; 11: 548
gastric involvement by omental cakes: radiographic findings, Rubenstein SE; Levine MS; Glick SN, *Gastrointest Radiol* 1986; 11: 223
peritoneal implants from ovarian tumors: CT findings, Bay J-N; Moss AA; Ghossain MA; Scoti C; Malbec L; Vadro D; Panfil BJ; Decroix Y, *Radiology* 1988; 169: 691
schwannoma of the lesser omentum, Sakai F; Sone S; Yanagisawa S; et al, *Eur J Radiol* 1988; 8: 113
- Omphalocele**
See Umbilical cord
- Oncocytoma**
functional oncocytoma of the kidney: evaluation by dual tracer scintigraphy, Lee VW; Allard JC; Foster J; et al, *J Nucl Med* 1987; 28: 1911
iodine-131 therapy for parotid oncocytoma, Kosuda S; Ishikawa M; Tamura K; et al, *J Nucl Med* 1988; 29: 1126
magnetic resonance imaging of renal oncocytoma, (ab), Remark RR; Berquist TH; Lieber MM; et al, *Radiology* 1988; 168: 885
MR imaging of a renal oncocytoma, Sohn HK; Kim SY; Seo HS, *JCAT* 1987; 11: 1085
renal oncocytoma: benign tumour on the increase, (ab), White MA; Taylor JS; Murugasu R, *Radiology* 1986; 159: 571
scar sign of renal oncocytoma: magnetic resonance imaging appearance and lack of specificity, Ball DS; Friedman AC; Hartman DS; et al, *Urol Radiol* 1986; 8: 46
- Oncology**
See Neoplasms
- Opinions**
See also Editorials
academic urology: the future, Hartman GW; McClennan BL; Pfister RC, *Radiology* 1986; 158: 559
adult nephroblastoma—five cases treated by surgery, radiotherapy and chemotherapy, Slevin NJ; McWilliam LJ; Pearson D, *Clin Radiol* 1987; 38: 483
anatomy of the perirenal area, McClennan BL; Lee JKT; Peterson RR, *Radiology* 1986; 158: 555
coming of age of radiologic imaging screening, Hall FM, *Radiology* 1988; 168: 579
- conventional tomography in perspective—1985, Littleton JT, *Radiographics* 1986; 6: 336
cross-sectional imaging of silent pulmonary venous anomalies, Greene R; Miller SW, *Radiology* 1986; 159: 279
digital projection radiography of the chest, Kundel HL, *Radiology* 1986; 158: 274
liquid gold: low-osmolality contrast media, White RI Jr; Halden WJ Jr, *Radiology* 1986; 159: 559
probability of causation tables and their possible implications for the practice of diagnostic radiology, Gur D; Wald N, *Radiology* 1986; 158: 853
rights, roles, and relationships in radiology, Schreiber MH; Winslade WJ, *Radiology* 1987; 163: 269
safer, more expensive iodinated contrast agents: how do we decide?, Wolf GL, *Radiology* 1986; 159: 557
who speaks for radiology? or the threat of the throwaways, Doppman JL, *Radiology* 1988; 167: 579
- Optic chiasm**
See Nerves, optic
- Orbit**
parasellar and optic nerve lesions: the neurosurgeon's perspective, Jafar JJ; Crowell RM, *Radiol Clin North Am* 1987; 25: 877
role of medical imaging in the practice of neuro-ophthalmology, Rubinfeld M; Wirtschatter JD, *Radiol Clin North Am* 1987; 25: 863
- Orbit, abnormalities**
CT and MRI of orbital abnormalities in neurofibromatosis and selected craniofacial anomalies, Linder B; Campos M; Schafer M, *Radiol Clin North Am* 1987; 25: 787
pediatric case of the day: annual meeting, 1986, Ball WS Jr; Towbin RB; Kaufman RA, *Radiographics* 1987; 7: 1181
- Orbit, angiography**
role of the neuroradiologist in vascular disorders involving the orbit, Tan WS; Wilbur AC; Mafee MF, *Radiol Clin North Am* 1987; 25: 849
- Orbit, CT**
computed tomography and magnetic resonance imaging of the orbital apex, Daniels DL; Yu S; Pech P; et al, *Radiol Clin North Am* 1987; 25: 803
computed tomography of intraorbital foreign bodies, Lindahl S, *Acta Radiol* 1987; 28: 235
computerized tomography in conditions concomitantly involving the orbits and the paranasal sinuses, Reider-Grosswasser I; Solomon A; Zikk D; et al, *Comput Radiol* 1986; 10: 119
computerized tomography in the diagnosis and treatment of orbital cellulitis, Hirsch M; Lifshitz T, *Pediatr Radiol* 1988; 18: 302
CT and MRI of orbital abnormalities in neurofibromatosis and selected craniofacial anomalies, Linder B; Campos M; Schafer M, *Radiol Clin North Am* 1987; 25: 787
C.T. findings of orbital inflammation in children, De Silva M; Lam V; Broadfoot J, *Australas Radiol* 1987; 31: 241
CT in the evaluation of the orbit and the bony interorbital distance, Mafee MF; Pruzansky S; Corrales MM; et al, *AJNR* 1986; 7: 265
CT spectrum of metastatic disease to the orbit and eye, Khangure MS; Jacoby CG, *Australas Radiol* 1987; 31: 16
CT values in orbital hydatid cyst, Khalili AH, *Comput Radiol* 1987; 11: 193
direct oblique sagittal CT of orbital wall fractures, Ball BJ Jr, *AJNR* 1987; 8: 147
dynamic computed tomography and its application to ophthalmology, Mafee MF; Miller MT; Tan W; et al, *Radiol Clin North Am* 1987; 25: 715
exophthalmos caused by excessive fat: CT volumetric analysis and differential diagnosis, Peyser RG; Ginsberg F; Silber JH; et al, *AJNR* 1986; 7: 35
foraminal expansion by malignant retroorbital lymphoma: CT findings, Arnold AC; La Masters DL, *JCAT* 1987; 11: 730
high resolution orbital computed tomography, Citrin CM, *JCAT* 1986; 10: 810
magnetic resonance imaging of an orbital varix with CT and ultrasound correlation, Osborn RE; DeWitt JD; Lester PD; et al, *Comput Radiol* 1986; 4: 155

- missing rectus: a CT observation from blow-out fracture of the orbital floor, Anda S; Elsás T; Harstad HK, JCAT 1987; 11: 895
- nontraumatic orbital subperiosteal hematoma in a scuba diver: CT and MR findings, Chen JC; Kucharczyk W, JCAT 1988; 12: 504
- normal direct multiplanar CT anatomy of the orbit with correlative anatomic cross-sections, Zonneveld FW; Koornneef L; Hillen B; et al, Radiol Clin North Am 1987; 25: 381
- optic nerve dysfunction in thyroid eye disease: CT, Barrett L; Glat HJ; Burde RM; Gado MH, Radiology 1988; 167: 503
- optic nerve tumors: role of magnetic resonance imaging and computed tomography, Azar-Kia B; Naheedy MH; Elias DA; et al, Radiol Clin North Am 1987; 25: 561
- orbital dermoids: features on CT, Nugent RA; Lapointe JS; Rootman J; Robertson WD; Graeb DA, Radiology 1987; 165: 475
- orbital lymphoma: role of CT and MRI, Flanders AE; Espinosa GA; Markiewicz DA; et al, Radiol Clin North Am 1987; 25: 601
- orbital metastasis: role of magnetic resonance imaging and computed tomography, Peyster RG; Shapiro MD; Haik BG, Radiol Clin North Am 1987; 25: 647
- orbital roof blow-in fractures: CT demonstration, Wagle WA; Eames FA; Wood GW, JCAT 1987; 11: 918
- orbital space-occupying lesions: role of computed tomography and magnetic resonance imaging. analysis of 145 cases, Mafee MF; Putterman A; Valvassori GE; et al, Radiol Clin North Am 1987; 25: 529
- "papilledema": neuroradiologic evaluation of optic disk protrusion with dynamic orbital CT, Jinkins JR, AJNR 1987; 8: 681
- paraorbital tumors and tumor-like conditions: role of CT and MRI, Wilbur AC; Dobben GD; Linder B, Radiol Clin North Am 1987; 25: 631
- patient positioning for direct sagittal CT of the orbit parallel to the optic nerve, Zonneveld FW; Koornneef L, Radiology 1986; 158: 547
- plexiform neurofibromatosis of the orbit: CT evaluation, Reed D; Robertson WD; Rootman J; et al, AJNR 1986; 7: 259
- postseptal cellulitis: CT in diagnosis and management, Towbin RB; Han BK; Kaufman RA; Burke M, Radiology 1986; 158: 735
- post-traumatic orbit evaluation by three-dimensional surface reconstructions, Grivas A; Manson PN; Vannier MW; et al, Comput Med Imag Graph 1988; 12: 47
- radiation doses to the eye lenses in computed tomography of the orbit and the petrous bone, Neufang KFR; Zanella FE; Ewen K, Eur J Radiol 1987; 7: 203
- role of direct multiplanar high resolution CT in the assessment and management of orbital trauma, Koornneef L; Zonneveld FW, Radiol Clin North Am 1987; 25: 753
- surface coil MR imaging of orbital blowout fractures: comparison with reformatting CT, Tonami H; Nakagawa T; Ohguchi M; et al, AJNR 1987; 8: 445
- transection of orbital rectus muscle demonstrated by computed tomography, Conrad MR; Freedman HL, JCAT 1987; 11: 359
- Orbit, cysts**
- bilateral microphthalmos with orbital cysts: MR findings, Wright DC; Yuh WTC; Thompson HS; et al, JCAT 1987; 11: 727
- CT values in orbital hydatid cyst, Khalili AH, Comput Radiol 1987; 11: 193
- orbital dermoids: features on CT, Nugent RA; Lapointe JS; Rootman J; Robertson WD; Graeb DA, Radiology 1987; 165: 475
- Orbit, diseases**
- characterization of orbital lesions by surface coil MR imaging, Sullivan JA; Harms SE, Radiographics 1987; 7: 9
- facial bone infarcts in sickle cell syndromes, Royal JE; Harris VJ; Sansi PK, Radiology 1988; 169: 529
- inflammatory disorders of the paraorbital sinuses and their complications, Weber AL; Mikulis DK, Radiol Clin North Am 1987; 25: 615
- ophthalmopathy of Graves' disease: computerized volume measurements of the orbital fat and muscle, Forbes G; Gorman CA; Brennan MD; et al, AJNR 1986; 7: 651
- optic nerve dysfunction in thyroid eye disease: CT, Barrett L; Glat HJ; Burde RM; Gado MH, Radiology 1988; 167: 503
- pseudotumor, Curtin HD, Radiol Clin North Am 1987; 25: 583
- Orbit, fractures**
- direct oblique sagittal CT of orbital wall fractures, Ball JB Jr, AJNR 1987; 8: 147
- missing rectus: a CT observation from blow-out fracture of the orbital floor, Anda S; Elsás T; Harstad HK, JCAT 1987; 11: 895
- MR imaging of orbital blow-out fractures, McArdle CB; Amparo EG; Mirfakhraee M, JCAT 1986; 10: 116
- orbital roof blow-in fractures: CT demonstration, Wagle WA; Eames FA; Wood GW, JCAT 1987; 11: 918
- surface coil MR imaging of orbital blowout fractures: comparison with reformatting CT, Tonami H; Nakagawa T; Ohguchi M; et al, AJNR 1987; 8: 445
- Orbit, hemorrhage**
- nontraumatic orbital subperiosteal hematoma in a scuba diver: CT and MR findings, Chen JC; Kucharczyk W, JCAT 1988; 12: 504
- Orbit, inflammation**
- bacterial infections of the orbital and periorbital soft-tissues in children, (ab), Spies JR; Smith RJH, Radiology 1987; 163: 591
- computerized tomography in the diagnosis and treatment of orbital cellulitis, Hirsch M; Lifshitz T, Pediatr Radiol 1988; 18: 302
- CT findings of orbital inflammation in children, De Silva M; Lam V; Broadfoot J, Australas Radiol 1987; 31: 241
- inflammatory disorders of the paraorbital sinuses and their complications, Weber AL; Mikulis DK, Radiol Clin North Am 1987; 25: 615
- orbit: initial experience with surface coil spin-echo MR imaging at 1.5 T, Atlas SW; Bilaniuk LT; Zimmerman RA; Hackney DB; Goldberg HI; Grossman RI, Radiology 1987; 164: 501
- postseptal cellulitis: CT in diagnosis and management, Towbin RB; Han BK; Kaufman RA; Burke M, Radiology 1986; 158: 735
- pseudotumor, Curtin HD, Radiol Clin North Am 1987; 25: 583
- Tolosa-Hunt syndrome revisited: not necessarily a diagnosis of exclusion, Kwan ESK; Wolpert SM; Hedges TR III; et al, AJNR 1987; 8: 1067
- Orbit, injuries**
- role of direct multiplanar high resolution CT in the assessment and management of orbital trauma, Koornneef L; Zonneveld FW, Radiol Clin North Am 1987; 25: 753
- transection of orbital rectus muscle demonstrated by computed tomography, Conrad MR; Freedman HL, JCAT 1987; 11: 359
- traumatic carotid aneurysm secondary to cavernous sinus penetration by wood: CT features, Braun J; Gdal-On M; Goldsher D; et al, JCAT 1987; 11: 525
- unusual case of intracerebral hematoma caused by an indriven fragment of bone: ultrasound evaluation with CT correlation, Weinberg B; Gonzalez R; Diakoumakis EE; et al, JCU 1988; 16: 52
- Orbit, MR studies**
- bilateral microphthalmos with orbital cysts: MR findings, Wright DC; Yuh WTC; Thompson HS; et al, JCAT 1987; 11: 727
- characterization of orbital lesions by surface coil MR imaging, Sullivan JA; Harms SE, Radiographics 1987; 7: 9
- computed tomography and magnetic resonance imaging of the orbital apex, Daniels DL; Yu S; Pech P; et al, Radiol Clin North Am 1987; 25: 803
- CT and MRI of orbital abnormalities in neurofibromatosis and selected craniofacial anomalies, Linder B; Campos M; Schafer M, Radiol Clin North Am 1987; 25: 787
- fat-suppression MR imaging of the orbit, Simon J; Szumowski J; Totterman S; et al, AJNR 1988; 9: 961
- magnetic resonance imaging in orbital diagnosis, Roden DT; Savino PJ; Zimmerman RA, Radiol Clin North Am 1988; 26: 535
- magnetic resonance imaging of an orbital varix with CT and ultrasound correlation, Osborn RE; DeWitt JD; Lester PD; et al, Comput Radiol 1986; 4: 155
- magnetic resonance imaging of the orbit, Bilaniuk LT; Atlas SW; Zimmerman RA, Radiol Clin North Am 1987; 25: 509
- magnetic resonance imaging of the orbits using a binocular surface coil, Deans HE; Redpath TW; Smith FW; et al, Br J Radiol 1988; 61: 665
- MR imaging of a carcinoid tumor metastatic to the orbit, Braffman BH; Bilaniuk LT; Eagle RC Jr; et al, JCAT 1987; 11: 891
- MR imaging of orbital blow-out fractures, McArdle CB; Amparo EG; Mirfakhraee M, JCAT 1986; 10: 116
- MR imaging of orbital cavernous hemangioma, Fries PD; Char DH; Norman D, JCAT 1987; 11: 418
- MRI of the normal orbit and optic pathway, Langer BG; Mafee MF; Pollack S; et al, Radiol Clin North Am 1987; 25: 429
- nontraumatic orbital subperiosteal hematoma in a scuba diver: CT and MR findings, Chen JC; Kucharczyk W, JCAT 1988; 12: 504
- ocular MR imaging, Zimmerman RA; Bilaniuk LT, Radiology 1988; 168: 875
- optic nerve tumors: role of magnetic resonance imaging and computed tomography, Azar-Kia B; Naheedy MH; Elias DA; et al, Radiol Clin North Am 1987; 25: 561
- orbital imaging: factors determining magnetic resonance imaging appearance, Wehrli FW; Kanal E, Radiol Clin North Am 1987; 25: 419
- orbital lesions: proton spectroscopic phase-dependent contrast MR imaging, Atlas SW; Grossman RI; Axel L; Hackney DB; Bilaniuk LT; Goldberg HI; Zimmerman RA, Radiology 1987; 164: 510
- orbital lymphoma: role of CT and MRI, Flanders AE; Espinosa GA; Markiewicz DA; et al, Radiol Clin North Am 1987; 25: 601
- orbital magnetic resonance imaging, (ab), Zimmerman RA; Bilaniuk LT; Yanoff M; et al, Radiology 1986; 159: 822
- orbital metastasis: role of magnetic resonance imaging and computed tomography, Peyster RG; Shapiro MD; Haik BG, Radiol Clin North Am 1987; 25: 647
- orbital space-occupying lesions: role of computed tomography and magnetic resonance imaging. analysis of 145 cases, Mafee MF; Putterman A; Valvassori GE; et al, Radiol Clin North Am 1987; 25: 529
- orbit: initial experience with surface coil spin-echo MR imaging at 1.5 T, Atlas SW; Bilaniuk LT; Zimmerman RA; Hackney DB; Goldberg HI; Grossman RI, Radiology 1987; 164: 501
- paraorbital tumors and tumor-like conditions: role of CT and MRI, Wilbur AC; Dobben GD; Linder B, Radiol Clin North Am 1987; 25: 631
- role of magnetic resonance imaging techniques in the evaluation of orbital and ocular disease, Worthington BS; Wright JE; Curati WL; et al, Clin Radiol 1986; 37: 219
- STIR MR imaging of the orbit, Atlas SW; Grossman RI; Hackney DB; et al, AJNR 1988; 9: 969
- surface coil MR imaging of orbital blowout fractures: comparison with reformatting CT, Tonami H; Nakagawa T; Ohguchi M; et al, AJNR 1987; 8: 445
- surface-coil MR imaging of orbital neoplasms, Sullivan JA; Harms SE, AJNR 1986; 7: 29
- surface-coil MR of orbital pseudotumor, Atlas SW; Grossman RI; Savino PJ; et al, AJNR 1987; 8: 141
- Orbit, neoplasms**
- bulging eye, Gholkar J; Jenkins JPR; Sekiya T, Br J Radiol 1986; 59: 1047
- characterization of orbital lesions by surface coil MR imaging, Sullivan JA; Harms SE, Radiographics 1987; 7: 9
- CT spectrum of metastatic disease to the orbit and eye, Khangure MS; Jacoby CG, Australas Radiol 1987; 31: 16
- foraminal expansion by malignant retroorbital lymphoma: CT findings, Arnold AC; La Masters DL, JCAT 1987; 11: 730

Orbit, neoplasms

- localized orbital neurofibromas, (ab), Krohel GB; Rosenberg PN; Wright JE; et al, *Radiology* 1986; 159: 822
- MR imaging of a carcinoid tumor metastatic to the orbit, Braffman BH; Bilaniuk LT; Eagle RC Jr; et al, *JCAT* 1987; 11: 891
- ocular MR imaging, Zimmerman RA; Bilaniuk LT, *Radiology* 1988; 168: 875
- orbital involvement by multiple myeloma: case report, Boyadjis TA; D'Altonio RA, *CT* 1986; 10: 145
- orbital lesions: proton spectroscopic phase-dependent contrast MR imaging, Atlas SW; Grossman RI; Axel L; Hackney DB; Bilaniuk LT; Goldberg HI; Zimmerman RA, *Radiology* 1987; 164: 510
- orbital lymphoma: role of CT and MRI, Flanders AE; Espinosa GA; Markiewicz DA; et al, *Radiol Clin North Am* 1987; 25: 601
- orbital lymphomas and pseudolymphomas: treatment with radiation therapy, Gordon PS; Juillard GJF; Selch MT; Parker RG; Fu Y-S, *Radiology* 1986; 159: 797
- orbital metastasis: role of magnetic resonance imaging and computed tomography, Peyster RG; Shapiro MD; Haik BG, *Radiol Clin North Am* 1987; 25: 647
- orbital rhabdomyosarcoma in childhood, Vade A; Armstrong D, *Radiol Clin North Am* 1987; 25: 701
- orbital space-occupying lesions: role of computed tomography and magnetic resonance imaging, analysis of 145 cases, Mafee MF; Putterman A; Valvassori GE; et al, *Radiol Clin North Am* 1987; 25: 529
- orbit: initial experience with surface coil spin-echo MR imaging at 1.5 T, Atlas SW; Bilaniuk LT; Zimmerman RA; Hackney DB; Goldberg HI; Grossman RI, *Radiology* 1987; 164: 501
- paraocular lymphoid tumors, Mittal BB; Deutsch M; Kennerdell JJ; Johnson B, *Radiology* 1986; 159: 793
- paraorbital tumors and tumor-like conditions: role of CT and MRI, Wilbur AC; Dobben GD; Linder B, *Radiol Clin North Am* 1987; 25: 631
- pediatric case of the day: annual meeting, 1986, Ball WS Jr; Towbin RB; Kaufman RA, *Radiographics* 1987; 7: 1181
- pseudotumor, Curtin HD, *Radiol Clin North Am* 1987; 25: 583
- surface-coil MR imaging of orbital neoplasms, Sullivan JA; Harms SE, *AJNR* 1986; 7: 29
- surface-coil MR of orbital pseudotumor, Atlas SW; Grossman RI; Savino PJ; et al, *AJNR* 1987; 8: 141
- Orbit, therapeutic radiology**
- anterior eye protection with orbital neoplasia, Hancock SL, *Int J Radiat Oncol Biol Phys* 1986; 12: 123
- orbital lymphomas and pseudolymphomas: treatment with radiation therapy, Gordon PS; Juillard GJF; Selch MT; Parker RG; Fu Y-S, *Radiology* 1986; 159: 797
- paraocular lymphoid tumors, Mittal BB; Deutsch M; Kennerdell JJ; Johnson B, *Radiology* 1986; 159: 793
- radiation therapy for Graves' ophthalmopathy: a retrospective analysis, Palmer D; Greenberg P; Cornell P; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1815
- Orbit, US studies**
- magnetic resonance imaging of an orbital varix with CT and ultrasound correlation, Osborn RE; DeWitt JD; Lester PD; et al, *Comput Radiol* 1986; 4: 155
- orbital ultrasonography, Levine RA, *Radiol Clin North Am* 1987; 25: 447
- standardized echography of the eye and orbit, Byrne SF, *Neuroradiol* 1986; 28: 618
- Orbit, varices**
- magnetic resonance imaging of an orbital varix with CT and ultrasound correlation, Osborn RE; DeWitt JD; Lester PD; et al, *Comput Radiol* 1986; 4: 155
- orbital varicose capillary angioma: radiologic description of a distinct vascular entity, Jinkins JR, *AJNR* 1988; 9: 589
- Orchitis**
- evaluation of the role of the intravenous urogram in the management of patients with epididymo-orchitis, Cooke DL; Williams CE; Fowler RC, *Clin Radiol* 1987; 38: 255

Osteitis deformans

- "black beard" sign of monostotic Paget's disease of the mandible, Mailander JC, *Clin Nucl Med* 1986; 11: 325
- case report 403, Vigorita VJ; Vitale A; Sclafani S; et al, *Skeletal Radiol* 1986; 15: 680
- case report 438, Mitchell ML; Ackerman LV; Tsutsumi A, *Skeletal Radiol* 1987; 16: 498
- case report 481, Hillmann JS; Mesgarzadeh M; Tang C-K; et al, *Skeletal Radiol* 1988; 17: 356
- expansile bone lesions of the vertebra, Kumar R; Guinto FC Jr; Madewell JE; David R; Shirkhoda A, *Radiographics* 1988; 8: 749
- false-positive technetium-99m sulfur colloid gastrointestinal bleeding study due to Paget's disease, Veluvolu P; Ishtman AT; Collier BD; et al, *Clin Nucl Med* 1988; 13: 465
- gallium-67 citrate localization in osteoclast nuclei of Paget's disease of bone, Mills BG; Masuoka LS; Graham CC Jr; et al, *J Nucl Med* 1988; 29: 1083
- osteosarcoma arising in Paget's disease of the calvarium, Mehta RC; Wilson MA; Perlman SB, *J Nucl Med* 1988; 29: 414
- Paget disease of bone: current status and a look back to 1943 and earlier, Resnick D, *AJR* 1988; 150: 249
- Paget disease of the anterior tibial tubercle, Moser RP Jr; Vinh TN; Ros PR; Smirniotopoulos JG; Madewell JE; Berrey BH, *Radiology* 1987; 164: 211
- Paget disease of the calvaria and facial bones with an osteosarcoma of the maxilla: CT and MR findings, Som PM; Hermann G; Sacher M; et al, *JCAT* 1987; 11: 887
- Paget disease of the spine: CT with clinical correlation, Zlatkin MB; Lander PH; Hadjipavlou AG; Levine JS, *Radiology* 1986; 160: 155
- Paget disease with contraction of long bones, Lander PH; Hadjipavlou AG, *Radiology* 1986; 159: 471
- Paget's disease: a cause of artificially elevated bone mineral density, Balseiro J; Egli DF; Ziessman HA, *Clin Nucl Med* 1987; 12: 809
- Paget's disease: a cause of photopenic skeletal defect in indium-111 WBC scintigraphy, Dunn EK; Vaquer RA; Strashun AM, *J Nucl Med* 1988; 29: 561
- Paget's disease of bone in Africans, Dahniya MH, *Br J Radiol* 1987; 60: 113
- Paget's disease of bone in South Africa, Guyer PB; Chamberlain AT, *Clin Radiol* 1988; 39: 51
- Paget's disease of the nipple without detectable breast tumor: conservative management with radiation therapy, Fourquet A; Campana F; Vielh P; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1463
- radiological assessment of Paget's disease of bone after treatment with the bisphosphonates EHDP and APD, Dodd GW; Ibbertson HK; Fraser TRC; et al, *Br J Radiol* 1987; 60: 849
- radiological demonstration of healing in Paget's disease of bone treated with APD, (ab), Vellenga CJLR; Mulder JD; Bijvoet OLM, *Radiology* 1986; 158: 570
- "short pants" finding on bone images in Paget's disease with paralysis, Mathews J; Karimeddini MK; Spencer RP, *Clin Nucl Med* 1986; 11: 221
- skeletal photopenic appearance of Paget's disease with indium-111 white blood cell imaging, Borin BF; Abghari R; Sarkissian A, *Clin Nucl Med* 1987; 12: 783
- unusual scintigraphic findings in a case of treated monostotic Paget's disease, Ziewacz JT; Slavin JD Jr; Spencer RP, *Clin Nucl Med* 1988; 13: 93
- Osteoarthritis**
- articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis, Sundaram M, *Radiology* 1988; 166: 285
- articular erosions in the hands and wrists in patients undergoing long-term maintenance hemodialysis: reply, Naidich JB; Karmel MI; Stein HL; Mossey RT; Bluestone PA, *Radiology* 1988; 166: 285
- osteoarthropathy of the hand and wrist in patients undergoing long-term hemodialysis, Naidich JB; Karmel MI; Mossey RT; Bluestone PA; Stein HL, *Radiology* 1987; 164: 205

Osteoarthritis, diabetic

- infection in diabetic osteoarthritis: use of indium-labeled leukocytes for diagnosis, Maurer AH; Millmond SH; Knight LC; Mesgarzadeh M; Siegel JA; Shuman CR; Adler LP; Greene GS; Malmud LS, *Radiology* 1986; 161: 221
- Osteoarthritis, hypertrophic**
- bone scintigraphy: hypertrophic osteoarthritis in biliary atresia, Sty JR; Krecak J; Gregg DC, *Clin Nucl Med* 1987; 12: 657
- hypertrophic osteoarthritis and primary intestinal lymphoma, Bloom RA; Assaf Y; Verstandig A; et al, *Gastrointest Radiol* 1986; 11: 185
- hypertrophic osteoarthritis in a young child with cytomegalovirus pneumonia and the bare lymphocyte syndrome, Taets ven Amerongen AHM; Golding RP; Veerman AJP, *Pediatr Radiol* 1986; 16: 257
- hypertrophic osteoarthritis in nasopharyngeal carcinoma of a child, Ladeb MF; Chaabane M; Gannouni A, *Pediatr Radiol* 1988; 18: 339
- primary hypertrophic osteoarthritis, Drenth HB; Kutluk MT; Karabent A; et al, *Pediatr Radiol* 1986; 16: 231
- unilateral hypertrophic osteoarthritis in a patient with an infected axillary-axillary bypass graft, Ho A; Williams DM; Zelenock GB; Braunstein EM, *Radiology* 1987; 162: 573
- Osteoblastoma**
- case report 351, Abdelwahab IF; Frankel VH; Klein MJ, *Skeletal Radiol* 1986; 15: 164
- case report 452, Bisset GS III; Kaufman RA; Towbin RB; et al, *Skeletal Radiol* 1987; 16: 666
- infection versus tumor in the spine: criteria for distinction with CT, Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SI; Brown JJ; Zlatkin M; Sartoris DJ; Chevrot A; Resnick CS; Resnick D, *Radiology* 1988; 166: 851
- metastatic and pseudomalignant osteoblastoma: report of two unusual cases, Mitchell ML; Ackerman LV, *Skeletal Radiol* 1986; 15: 213
- osteoblastoma of the tibia: CT demonstration, Farmlett EJ; Magid D; Fishman EK, *JCAT* 1986; 10: 1068
- osteoid osteoma and osteoblastoma of the spine, (ab), Pettine KA; Klassen RA, *Radiology* 1986; 160: 859
- osteoid osteoma and osteoblastoma of the spine in children: report of 22 cases with brief literature review, Azouz EM; Kozlowski K; Marton D; et al, *Pediatr Radiol* 1986; 16: 25
- osteoid osteoma and osteoblastoma of the talus: report of 40 cases, Capanna R; Van Horn JR; Ayala A; et al, *Skeletal Radiol* 1986; 15: 360
- Osteochondritis dissecans**
- computerized blood-flow analysis in osteochondritis dissecans, McCullough RW; Gandsman EJ; Litchman H; et al, *Clin Nucl Med* 1986; 11: 511
- direct coronal computed tomography arthrography of osteochondritis dissecans of the talus, Heare MM; Gillespy T III; Bittar ES, *Skeletal Radiol* 1988; 17: 187
- osteochondritis dissecans: analysis of mechanical stability with radiography, scintigraphy, and MR imaging, Mesgarzadeh M; Sapega AA; Bonakdarpour A; Revesz G; Moyer RA; Maurer AH; Alburger PD, *Radiology* 1987; 165: 775
- Osteochondrodysplasias**
- See Bones, Osteochondrodysplasias
- Osteochondroma**
- case report 415, Fannery D; Tehranzadeh J; Quencer RM; et al, *Skeletal Radiol* 1987; 16: 170
- case report 428, de Lange EE; Pope TL Jr; Fechner RE; et al, *Skeletal Radiol* 1987; 16: 481
- case report 430, Unger EC; Gilula LA; Kyriakos M, *Skeletal Radiol* 1987; 16: 416
- case report 439, Friedman B; Nerubay J; Blankstein A; et al, *Skeletal Radiol* 1987; 16: 504
- case report 451, Lagier R, *Skeletal Radiol* 1987; 16: 660
- heterotopic chondro-ossification: a case report, Tatu WF; Phillips CD; Gurdak RG; et al, *J Canad Assoc Radiol* 1987; 38: 234

- hyaline cartilage—origin bone and soft-tissue neoplasms: MR appearance and histologic correlation, Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML, *Radiology* 1988; 167: 477
- knee pain and swelling in a 38-year-old woman, Hayward I; Yaru N; Grafe M; et al, *Invest Radiol* 1987; 22: 516
- MR imaging of solitary osteochondromas: report of eight cases, Lee JK; Yao L; Wirth CR, *AJR* 1987; 149: 357
- popliteal vein compression by a fibular osteochondroma: case report, Kraus RA; Macke JC; Crawford AH; et al, *Pediatr Radiol* 1986; 16: 173
- popliteal vein thrombosis and popliteal artery pseudoaneurysm complicating osteochondroma of the femur, Lizama VA; Zerbini MA; Gagliardi RA; et al, *AJR* 1987; 148: 783
- post-traumatic osteochondroma, Greyson-Fleg RT; Reichmister JP; McCarthy EF; et al, *J Canad Assoc Radiol* 1987; 38: 195
- primary lesions of bone in the 1st decade of life: retrospective survey of biopsy results, Senac MO Jr; Isaacs H; Gwinn JL, *Radiology* 1986; 160: 491
- scintigraphic findings of multiple osteochondromas, Shih W-J; Riley CN; Domstad PA; et al, *Clin Nucl Med* 1986; 11: 600
- synovial osteochondroma of the knee in Tc-99m HMDP bone imaging, Shih W-J; Ryo UY, *Clin Nucl Med* 1988; 13: 617
- Osteodystrophy**
See Bones, primary metabolic abnormalities
- Osteogenesis imperfecta**
See Bones, osteochondrodysplasias
- Osteolysis**
bone reinforcement lines in chronic adult osteopenia: hypothesis, Kursunoglu S; Pate D; Resnick D; Haghighi P; Tyson R; Pitt M, *Radiology* 1986; 159: 409
- case report 401, Vichi GF; Falcini F; Pierattelli M; et al, *Skeletal Radiol* 1986; 15: 665
- case report 402, Herrera A; Urbanitz D; Rossner A; et al, *Skeletal Radiol* 1986; 15: 672
- circumscribed lytic lesions of the thalassaemic skull, Orzincolo C; Castaldi G; Bariani L; et al, *Skeletal Radiol* 1988; 17: 344
- comparative imaging: massive osteolysis (Gorham's syndrome, disappearing bone disease), Marymont JV, *Clin Nucl Med* 1987; 12: 153
- massive acroosteolysis in adult T-cell leukemia/lymphoma, Austin CB; Young JWR; Park HJ; Needleman BW; Handwerker BS; Rosenbaum RC, *Radiology* 1987; 164: 787
- pancreatic acinar cell carcinoma with subcutaneous and intraosseous fat necrosis, Radin DR; Colletti PM; Forrester DM; Tang WW, *Radiology* 1986; 158: 67
- seventeen year follow-up and autopsy findings in a case of massive osteolysis, Pastakia B; Horvath K; Lack EE, *Skeletal Radiol* 1987; 16: 291
- sonographic appearance of osteolysis of humeral head, Kauzlaric D, *JCU* 1986; 14: 566
- stress-induced osteolysis of the clavicle, Kaplan PA; Resnick D, *Radiology* 1986; 158: 139
- Osteoma**
case report 379, Wiggins T; Bohrer SP, *Skeletal Radiol* 1986; 15: 409
- case report 448, Nelson MC; Brower AC; Ragdale BD, *Skeletal Radiol* 1987; 16: 601
- case report 468, Destian S; Hernandez-Schulman M; Raskin K; et al, *Skeletal Radiol* 1988; 17: 141
- CT appearance of nidus in osteoid osteoma versus sequestration in osteomyelitis, Mahboubi S, *JCAT* 1986; 10: 457
- giant ivory osteoma of frontal sinus, Bushan B; Watal G; Ahmed A; et al, *Australas Radiol* 1987; 31: 306
- MR imaging of osteoid osteoma, Glass RB; Pozanski AK; Fisher MR; et al, *JCAT* 1986; 10: 1065
- MR imaging of osteoid osteoma of the talus, Yeager BA; Schiebler ML; Wertheim SB; et al, *JCAT* 1987; 11: 916
- osteoid osteoma and osteoblastoma of the spine, (ab), Pettine KA; Klassen RA, *Radiology* 1986; 160: 859
- osteoid osteoma and osteoblastoma of the spine in children: report of 22 cases with brief literature review, Azouz EM; Kozlowski K; Marton D; et al, *Pediatr Radiol* 1986; 16: 25
- osteoid osteoma and osteoblastoma of the talus: report of 40 cases, Capanna R; Van Horn JR; Ayala A; et al, *Skeletal Radiol* 1986; 15: 360
- osteoid osteoma: localization by intraoperative magnification scintigraphy, Taylor GA; Shea N; O'Brien T; et al, *Pediatr Radiol* 1986; 16: 313
- osteoid osteoma of the hip stimulating an early onset of osteoarthritis, Norman A; Abdelwahab IF; Buyon J; Matzkin E, *Radiology* 1986; 158: 417
- osteomas of the temporal bone: report of three cases, Beale DJ; Phelps PD, *Clin Radiol* 1987; 38: 67
- role of indium-111 chloride imaging in osteoid osteoma, Kumar R; Swischuk LE; Schreiber MH, *Clin Nucl Med* 1986; 11: 721
- scintigraphic patterns in osteoid osteoma and spondylolysis, Wells RG; Miller JH; Sty JR, *Clin Nucl Med* 1987; 12: 39
- subperiosteal osteoid osteoma of the talus, Lander PH; Azouz EM; Marton D, *Clin Radiol* 1986; 37: 491
- Osteomalacia**
adult sporadic hypophosphatemic osteomalacia presenting as regional migratory osteoporosis, (ab), Gerster J-C; Jaeger P; Gobelet C; et al, *Radiology* 1986; 161: 860
- aluminum bone disease in children: radiographic features from diagnosis to resolution, Daves ML, *Radiology* 1986; 159: 283
- aluminum bone disease in children: radiographic features from diagnosis to resolution: reply, Andreoli SP; Smith JA; Bergstein JM, *Radiology* 1986; 159: 284
- aluminum bone disease in children: radiographic features from diagnosis to resolution, Vukicevic S, *Radiology* 1987; 163: 583
- radiographic manifestations of experimental aluminum toxicity in growing bone, Hernandez RJ; Sedman AB; Smid DM; et al, *Skeletal Radiol* 1987; 16: 209
- reflex sympathetic dystrophy syndrome: an unusual mode of presentation of osteomalacia, (ab), Huuux JP; Malghem J; Maldague B; et al, *Radiology* 1987; 162: 294
- single- and dual-photon absorptiometry in osteoporosis and osteomalacia, Wahner HW, *Semin Nucl Med* 1987; 17: 305
- tumour-like bone lesion as a manifestation of vitamin D-resistant hypophosphatemic osteomalacia, Papapoulos SE; Steendijk R; Bijvoet OLM, *Br J Radiol* 1987; 60: 285
- Osteomyelitis**
See Bones, infection
- Osteonecrosis**
See Bones, necrosis
- Osteopetrosis**
See Bones, osteochondrodysplasias
- Osteoporosis**
adult sporadic hypophosphatemic osteomalacia presenting as regional migratory osteoporosis, (ab), Gerster J-C; Jaeger P; Gobelet C; et al, *Radiology* 1986; 161: 860
- are scintigrams of the spine useful in vertebral osteoporosis?, Hordon LD; Francis RM; Marshall DH; et al, *Clin Radiol* 1986; 37: 487
- bone changes in oophorectomized monkeys: CT findings, Mazess B; Vetter J; Weaver DS, *JCAT* 1987; 11: 302
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: comparison of measurement methods, Reinhold W-D; Genant HK; Reiser UJ; Harris ST; Ettinger B, *Radiology* 1986; 160: 469
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women, Mazess RB, *Radiology* 1987; 165: 289
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: reply, Genant HK, *Radiology* 1987; 165: 290
- bone reinforcement lines in chronic adult osteopenia: hypothesis, Kursunoglu S; Pate D; Resnick D; Haghighi P; Tyson R; Pitt M, *Radiology* 1986; 159: 409
- case report 422, Kuhlencordt F; Kruse H-P, *Skeletal Radiol* 1987; 16: 407
- disseminated migratory osteoporosis: an unusual pattern of osteoporosis, Shier CK; Ellis BI; Kleerekoper M; et al, *J Canad Assoc Radiol* 1987; 38: 56
- disuse osteoporosis: mimic of neoplastic disease, Joyce JM; Keats TE, *Skeletal Radiol* 1986; 15: 129
- double cortical line in the acetabular roof: a sign of disuse osteoporosis, Yagan R; Radivoyevitch M; Khan MA, *Radiology* 1987; 165: 171
- double cortical line in the acetabular roof: a sign of disuse osteoporosis, Watt JH, *Radiology* 1988; 167: 873
- double cortical line in the acetabular roof: a sign of disuse osteoporosis: reply, Yagan R; Radivoyevitch M; Khan MA, *Radiology* 1988; 167: 873
- fracture prevalence and bone mineral mass in osteoporosis measured with computed tomography and dual energy photon absorptiometry, Raymakers JA; Hoekstra O; van Putten J; et al, *Skeletal Radiol* 1986; 15: 191
- insufficiency fractures of the sternum: a consequence of thoracic kyphosis, Cooper KL, *Radiology* 1988; 167: 471
- macroepiphyseal dysplasia with symptomatic osteoporosis, wrinkled skin, and aged appearance: presumed autosomal recessive condition, McAlister WH; Coe JD; Whyte MP, *Skeletal Radiol* 1986; 15: 47
- MR imaging of medullary bone, Ehman RL, *Radiology* 1988; 167: 867
- noninvasive bone densitometry: the need for cooperation and respect in research, Sartoris DJ, *Radiology* 1988; 166: 902
- osteoporosis—early radiographic sign of endemic fluorosis, Zong-Cheng L; En-Huei W, *Skeletal Radiol* 1986; 15: 350
- osteoporosis in patients with inflammatory bowel disease, (ab), Compton JE; Judd D; Crawley EO; et al, *Radiology* 1987; 165: 882
- osteoporosis pseudoglioma syndrome: update and report on two affected siblings, Swoboda W; Grill F, *Pediatr Radiol* 1988; 18: 399
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Schulz EE; Engstrom H; Sauer DD; Baylink DJ, *Radiology* 1986; 159: 457
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation, Bohrer SP, *Radiology* 1986; 161: 277
- osteoporosis: radiographic detection of fluoride-induced extra-axial bone formation: reply, Schulz EE, *Radiology* 1986; 161: 277
- osteoporosis: the state of the art in 1987: a review, Wasserman SHS; Barzel US, *Semin Nucl Med* 1987; 17: 283
- osteoporosis with vertebral compression fractures, retropulsed fragments, and neurologic compromise, Kaplan PA; Orton DF; Asleson RJ, *Radiology* 1987; 165: 533
- postmenopausal osteoporosis: simple screening method for diagnosis before structural failure, Meema HE; Meema S, *Radiology* 1987; 164: 405
- precision error in dual-photon absorptiometry related to source age, Ross PD; Wasnich RD; Vogel JM, *Radiology* 1988; 166: 523
- quantitative computed tomography in assessment of osteoporosis, Genant HK; Block JE; Steiger P; et al, *Semin Nucl Med* 1987; 17: 316
- quantitative CT for determination of bone mineral density: a review, Cann CE, *Radiology* 1988; 166: 509
- radiographic features of the spine in fluoride therapy for osteoporosis, (ab), Schnitzler CM; Sweet MBE; Blumenfeld TS; et al, *Radiology* 1987; 164: 886
- radionuclide imaging in metabolic and systemic skeletal diseases, McAfee JG, *Semin Nucl Med* 1987; 17: 334
- rate of spinal trabecular bone loss in normal perimenopausal women: CT measurement, Firooznia H; Golimbu C; Rafii M; Schwartz MS, *Radiology* 1986; 161: 735

- screening for postmenopausal osteoporosis. Korpi CT, Radiology 1988; 167: 873
- screening for postmenopausal osteoporosis: reply, Meema HE; Meema S, Radiology 1988; 167: 873
- sin, - and dual-photon absorptiometry in osteoporosis and osteomalacia, Wahner HW, Semin Nucl Med 1987; 17: 305
- spinal compression fractures in osteoporotic women: patterns and relationship in hyperkyphosis, De Smet AA; Robinson RG; Johnson BE; Lukert BP, Radiology 1988; 166: 497
- three-dimensional quantitative CT of the proximal femur: relationship to vertebral trabecular bone density in postmenopausal women, Bhassin S; Sartoris DJ; Fellingham L; Zlatkin MB; Andre M; Resnick D, Radiology 1988; 167: 145
- trabecular bone density in the proximal femur: quantitative CT assessment. work in progress, Sartoris DJ; Andre M; Resnick CS; Resnick D, Radiology 1986; 160: 707
- trabecular bone mineral density measurement in vivo, Lillcrap S; Scott J, Radiology 1988; 166: 283
- trabecular bone mineral density measurement in vivo: reply, Shukla SS; Craven JD; Greenfield MA, Radiology 1988; 166: 283
- trabecular bone mineral density measurement in vivo: use of the ratio of coherent to Compton-scattered photons in the calcaneus, Shukla SS; Leichter I; Karellas A; Craven JD; Greenfield MA, Radiology 1986; 158: 695
- trabecular mineral content of the spine in women with hip fracture: CT measurement, Firooznia H; Rahi M; Golimbu C; Schwartz MS; Ort P, Radiology 1986; 159: 737
- trabecular stress fractures during fluoride therapy for osteoporosis, (ab), Schnitzler CM; Solomon L, Radiology 1986; 159: 572
- transient osteoporosis of the hip: MR imaging, Bloem JL, Radiology 1988; 167: 753
- transient osteoporosis: transient bone marrow edema?, Wilson AJ; Murphy WA; Hardy DC; Totty WG, Radiology 1988; 167: 757
- unique musculoskeletal trauma, McNiesh LM, Radiol Clin North Am 1987; 25: 1107
- usefulness of regional bone measurements in patients with osteoporotic fractures of the spine and distal forearm, Nilas L; Pödenphant J; Riis BJ; et al, J Nucl Med 1987; 28: 960
- value of single photon absorptiometry in osteoporosis screening, Bliley GL; Weix J; Kaplan GD, Clin Nucl Med 1988; 13: 7
- vertebral-body collapse in focal and diffuse disease: patterns of pathologic processes, Sartoris DJ; Clopton P; Nemcek A; Dowd C; Resnick D, Radiology 1986; 160: 479
- vertebral bone mineral analysis: an integrated approach with CT, Kalender WA; Klotz E; Süss C, Radiology 1987; 164: 419
- vertebral mineral status: assessment with single- versus multi-section CT, Lambiasi R; Sartoris DJ; Fellingham L; Andre M; Resnick D, Radiology 1987; 164: 231
- ## Osteosarcoma
- angiographic response of osteosarcoma following pre-operative chemotherapy, Kumpan W; Lechner G; Wittich GR; et al, Skeletal Radiol 1986; 15: 96
- case report 370, Sundaram M; Herbold DR; McGuire MH, Skeletal Radiol 1986; 15: 338
- case report 420, Marks MP; Marks SC; Segall HD; et al, Skeletal Radiol 1987; 16: 246
- case report 425, Raymond AK; Murphy GF; Rosenthal DJ, Skeletal Radiol 1987; 16: 336
- case report 436, Greenspan A; Steiner G; Norman A; et al, Skeletal Radiol 1987; 16: 489
- case report 447, Xipell JM; McConchie I; Wallis PL, Skeletal Radiol 1987; 16: 597
- case report 461, Sauer DD; Chase DR, Skeletal Radiol 1988; 17: 72
- case report: calcified liver metastases from osteosarcoma, Shapiro RS; Mendelson DS; Norton KI; et al, CT 1988; 12: 196
- craniofacial osteosarcomas: plain film, CT, and MR findings in 46 cases, Lee Y-Y; Van Tassel P; Nauert C; et al, AJNR 1988; 9: 379
- CT findings in a case of polypoid-like metastasis in the ileum from extrasosseous osteosarcoma, Donoso L; Valls R; Montserrat E; et al, Eur J Radiol 1988; 8: 100
- effect of chemotherapy on osteosarcoma of the extremities as apparent from conventional roentgenograms, den Heeten GJ; Thijn CJP; Kamps WA; et al, Pediatr Radiol 1986; 16: 407
- elective whole-lung irradiation in osteosarcoma treatment: appearance of bilateral breast cancer in two long-term survivors, Ivins JC; Taylor WF; Wold LE, Skeletal Radiol 1987; 16: 133
- epiphyseal osteosarcoma: distinguishing features from clear cell chondrosarcoma, chondroblastoma, and epiphyseal enchondroma, (ab), Tsuneyoshi M; Dorfman HD, Radiology 1987; 165: 886
- extraskel osteosarcoma, (ab), Chung EB; Enzinger FM, Radiology 1988; 167: 590
- general case of the day: annual meeting, 1986, Farner RM; Rooholamini SA; Franken EA Jr, Radiographics 1987; 7: 1018
- hyaline cartilage-origin bone and soft-tissue neoplasms: MR appearance and histologic correlation, Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML, Radiology 1988; 167: 477
- magnetic resonance imaging of osteosarcoma, Sundaram M; McGuire MH; Herbold DR, Skeletal Radiol 1987; 16: 23
- neuroradiologic features of primary falx osteosarcoma, Wang A-M; Fitzgerald TJ; Lichtman AH; et al, AJNR 1986; 7: 729
- osteoclast-rich osteosarcoma, Bathurst N; Sauerkin N; Watt I, Br J Radiol 1986; 59: 667
- osteosarcoma and other neoplasms of bone: magnetic resonance spectroscopy to monitor therapy, (ab), Ross B; Helsper JT; Cox IJ; et al, Radiology 1988; 167: 589
- osteosarcoma arising in Paget's disease of the calvarium, Mehta RC; Wilson MA; Perlman SB, J Nucl Med 1988; 29: 414
- osteosarcoma in fibrous dysplasia, Taconis WK, Skeletal Radiol 1988; 17: 163
- osteosarcoma: relation between extent of marrow infiltration on CT and frequency of lung metastases, Hermann G; Leviton M; Mendelson D; et al, AJR 1987; 149: 1203
- osteosarcoma: role of CT in limb-sparing treatment, Schreiman JS; Crass JR; Wick MR; Maile CW; Thompson RC Jr, Radiology 1986; 161: 485
- osteosarcomas arising on the surfaces of long bones, (ab), Schajowicz F; McGuire MH; Araujo ES; et al, Radiology 1988; 168: 887
- osteosarcoma with calcific mediastinal lymphadenopathy, van Zanten TEG; Golding RP; Taets van Amerongen AHM, Pediatr Radiol 1987; 17: 258
- osteosarcoma with pericardial metastases seen on bone scan, Phillips CD; Williamson BRJ, Clin Nucl Med 1987; 12: 899
- parosteal osteosarcoma: radiologic-pathologic correlation with emphasis on CT, Lindell MM Jr; Shirkhoda A; Raymond AK; et al, AJR 1987; 148: 323
- photopenic lesion in osteosarcoma, Rossleigh MA; Smith J; Yeh SDJ; et al, Br J Radiol 1987; 60: 497
- primary lesions of bone in the 1st decade of life: retrospective survey of biopsy results, Senac MO Jr; Isaacs H; Gwinn JL, Radiology 1986; 160: 491
- primary osteosarcoma of toe phalanx: first documented case: review of osteosarcoma of short tubular bones, (ab), Mirra JM; Kameda N; Rosen G; et al, Radiology 1988; 168: 590
- radiographic spectrum of osteogenic sarcoma, Kumar R; David R; Madewell JE; et al, AJR 1987; 148: 767
- radiological appearances of telangiectatic osteosarcoma: study of 14 cases, Vanel D; Tchong S; Connesso G; et al, Skeletal Radiol 1987; 16: 196
- radiologic features of well-differentiated osteosarcoma, Ellis JH; Siegel CL; Martel W; et al, AJR 1988; 151: 739
- small-cell osteosarcoma, Edeiken J; Raymond AK; Ayala AG; et al, Skeletal Radiol 1987; 16: 621
- staging of intraosseous extent of osteosarcoma: correlation of preoperative CT and MR imaging with pathologic macroscopics, Gillespy T III; Manfrini M; Ruggieri P; Spanier SS; Petersson H; Springfield DS, Radiology 1988; 167: 765
- strontium-89 therapy: strontium kinetics and dosimetry in two patients treated for metastasizing osteosarcoma, Blake GM; Zivanovic MA; McEwan A; et al, Br J Radiol 1987; 60: 253
- telangiectatic osteosarcoma, Gomes H; Menanteau B; Gaillard D; et al, Pediatr Radiol 1986; 16: 140
- usefulness of SPECT in evaluating osteosarcoma metastases to the lung, Kirk GA; Schulz EE, Clin Nucl Med 1987; 12: 356
- ## Osteoclerosis
- See Bones, sclerosis
- ## Otitis media
- See Ear, inflammation and infection
- ## Ovary
- ovarian radiation dose during dynamic cystourethrography using videorecording and photofluorography, Westby M; Sandhu J; Jahren R; et al, Acta Radiol 1986; 27: 55
- sonographic monitoring of LHRH analogue therapy in idiopathic precocious puberty in young girls, Hall DA; Crowley WF; Wiernik ME; et al, JCU 1986; 14: 331
- ## Ovary, abnormalities
- case report: demonstration of true hermaphroditism by computed tomography, English RE; Tulloch DN; Blaquiere RM, Clin Radiol 1986; 37: 593
- ovarian remnant syndrome: diagnostic dilemma and surgical challenge, (ab), Pettit PD; Lee RA, Radiology 1988; 169: 290
- ovarian torsion: an unusual cause of bilateral pelvic calcifications, Fletcher RM; Boal DKB; Karl SR; et al, Pediatr Radiol 1988; 18: 172
- sequential bilateral torsion of normal ovaries in a child, Worthington-Kirsch RL; Raptopoulos V; Cohen IT, J Ultrasound Med 1986; 5: 663
- sonographic evaluation of ovarian torsion in childhood and adolescence, Graif M; Itzchak Y, AJR 1988; 150: 647
- ## Ovary, abscess
- computed tomography in the evaluation of tubo-ovarian abscesses in children, Mahboubi S; Caro PA, CT 1986; 10: 67
- ## Ovary, CT
- accuracy of CT in detection of persistent or recurrent ovarian carcinoma: correlation with second-look laparotomy, Megibow AJ; Bosniak MA; Ho AG; Beller U; Hulnick DH; Beckman EM, Radiology 1988; 166: 341
- comparative study of the accuracy of ultrasound imaging, x-ray computerized tomography and low field MRI diagnosis of ovarian malignancy, Smith FW; Cherryman GR; Bayliss AP; et al, Magn Res Imag 1988; 6: 225
- computed tomography in advanced ovarian cancer: inter- and intraobserver reliability, Warde P; Rideout DF; Herman S; et al, Invest Radiol 1986; 21: 31
- computed tomography in the evaluation of tubo-ovarian abscesses in children, Mahboubi S; Caro PA, CT 1986; 10: 67
- computed tomography of malignant ovarian disease, Thorvinger B; Samuelsson L; Skjaeris J, Acta Radiol 1987; 28: 739
- computed tomography of ovarian masses, Fukuda T; Ikeuchi M; Hashimoto H; et al, JCAT 1986; 10: 990
- CT demonstration of ovarian varices, Radin DR; Ray MJ; Harrison E; et al, JCAT 1986; 10: 361
- CT findings in metastatic ovarian tumors from gastrointestinal tract neoplasms (Krukenberg tumors), Mata JM; Inaraja L; Rams A; et al, Gastrointest Radiol 1988; 13: 242
- CT prior to second-look operation in ovarian cancer, Silverman PM; Osborne M; Dunnick NR; et al, AJR 1988; 150: 829
- pitfalls in interpretation of computed tomography prior to second-look laparotomy in patients with ovarian cancer, Calkins AR; Stehman FB; Wass JL; et al, Br J Radiol 1987; 60: 975

- serous carcinoma of the ovary: CT identification of metastatic calcified implants, Mitchell DG; Hill MC; Hill SC; Zaloudek C, *Radiology* 1986; 158: 649
- Ovary, cysts**
- adnexal and cul-de-sac abnormalities: transvaginal sonography, Lande IM; Hill MC; Cosco FE; Kator NN, *Radiology* 1988; 166: 325
- adnexal masses: MR imaging observations at 1.5 T, with US and CT correlation, Mitchell DG; Mintz MC; Spritzer CE; Gussman D; Arger PH; Coleman BG; Axel L; Kressel HY, *Radiology* 1987; 162: 319
- adnexal structures: MR imaging, Dooms GC; Hricak H; Tscholakoff D, *Radiology* 1986; 158: 639
- antenatal sonographic diagnosis of complicated ovarian cysts, Preziosi P; Fariello G; Maiorana A; et al, *JCU* 1986; 14: 196
- autonomous ovarian cyst in isosexual precocious pseudopuberty, Baran GW; Alkema RC; Barkett GK; et al, *JCU* 1988; 16: 58
- cysts in pregnancy discovered by sonography, Nelson MJ; Cavalieri R; Graham D; et al, *JCU* 1986; 14: 509
- endometrial cysts of the ovary: MR imaging, Nishimura K; Togashi K; Itoh K; Fujisawa I; Noma S; Kawamura Y; Nakano Y; Itoh H; Torizuka K; Ozasa H, *Radiology* 1987; 162: 315
- neonatal ovarian cysts: sonographic-pathologic correlation, Nussbaum AR; Sanders RC; Hartman DS; Dudgeon DL; Parmley TH, *Radiology* 1988; 168: 817
- ovarian cystic teratomas: MR imaging, Togashi K; Nishimura K; Itoh K; Fujisawa I; Sago T; Minami S; Nakano Y; Itoh H; Torizuka K; Ozasa H, *Radiology* 1987; 162: 669
- ovarian dermoid cyst complicated by an entero-ovarian fistula, Shiels WE; Duono F; Hernandez E, *Radiology* 1986; 160: 443
- polycystic ovarian disease: US features in 104 patients, Yeh H-C; Futterweit W; Thornton JC, *Radiology* 1987; 163: 111
- polycystic ovaries: MR imaging, Mitchell DG; Geffer WB; Spritzer CE; Blasco L; Nulson J; Livolsi V; Axel L; Arger PH; Kressel HY, *Radiology* 1986; 160: 425
- postnatal resolution of large ovarian cysts detected in utero: report of two cases, Amodio J; Abramson S; Berdon W; et al, *Pediatr Radiol* 1987; 17: 467
- presentation of an unusual complication of an ovarian cyst, Previle EJ, *J Canad Assoc Radiol* 1987; 38: 222
- significance of the postmenopausal simple adnexal cyst, Hall DA; McCarthy KA, *J Ultrasound Med* 1986; 5: 503
- simple adnexal cysts diagnosed by ultrasound in postmenopausal women, Andolf E; Jørgensen C, *JCU* 1988; 16: 301
- sonographic evaluation of normal and induced ovulation, Ritchie WGM, *Radiology* 1986; 161: 1
- sonographic monitoring of ovarian volume during LHRH analogue therapy in women with polycystic ovarian syndrome, Jaffe R; Abramowicz J; Eckstein N; et al, *J Ultrasound Med* 1988; 7: 203
- sonography of hemorrhagic ovarian cysts, Reynolds T; Hill MC; Glassman LM, *JCU* 1986; 14: 449
- spectrum of sonographic findings in hemorrhagic ovarian cysts, Baltarowich OH; Kurtz AB; Pastro ME; et al, *AJR* 1987; 148: 901
- spontaneous resolution of neonatal ovarian cysts, Nussbaum AR; Sanders RC; Benator RM; et al, *AJR* 1987; 148: 175
- Ovary, MR studies**
- comparative study of the accuracy of ultrasound imaging, x-ray computerized tomography and low field MRI diagnosis of ovarian malignancy, Smith FW; Cherryman GR; Bayliss AP; et al, *Magn Res Imag* 1988; 6: 225
- endometrial cysts of the ovary: MR imaging, Nishimura K; Togashi K; Itoh K; Fujisawa I; Noma S; Kawamura Y; Nakano Y; Itoh H; Torizuka K; Ozasa H, *Radiology* 1987; 162: 315
- magnetic resonance imaging of benign ovarian masses, Mawhinney RR; Powell MC; Worthington BS; et al, *Br J Radiol* 1988; 61: 179
- magnetic resonance imaging of the adnexa, Mitchell DG; Semin US CT MR 1988; 9: 143
- magnetic resonance tomography of the pelvis, Smith FW, *Cardiovasc Intervent Radiol* 1986; 8: 367
- MRI of the female pelvis: review, Hricak H, *AJR* 1986; 146: 1115
- ovarian cystic teratomas: MR imaging, Togashi K; Nishimura K; Itoh K; Fujisawa I; Sago T; Minami S; Nakano Y; Itoh H; Torizuka K; Ozasa H, *Radiology* 1987; 162: 669
- polycystic ovaries: MR imaging, Mitchell DG; Geffer WB; Spritzer CE; Blasco L; Nulson J; Livolsi V; Axel L; Arger PH; Kressel HY, *Radiology* 1986; 160: 425
- Ovary, neoplasms**
- accuracy of CT in detection of persistent or recurrent ovarian carcinoma: correlation with second-look laparotomy, Megibow AJ; Bosniak MA; Ho AG; Beller U; Hulnick DH; Beckman EM, *Radiology* 1988; 166: 341
- adnexal masses: MR imaging observations at 1.5 T, with US and CT correlation, Mitchell DG; Mintz MC; Spritzer CE; Gussman D; Arger PH; Coleman BG; Axel L; Kressel HY, *Radiology* 1987; 162: 319
- adnexal structures: MR imaging, Dooms GC; Hricak H; Tscholakoff D, *Radiology* 1986; 158: 639
- adnexal masses in postmenopausal women, (ab), Rulin MC; Preston AL, *Radiology* 1988; 166: 910
- antibody-guided radiolocalisation of tumours in patients with testicular or ovarian cancer using two radioiodinated monoclonal antibodies to placental alkaline phosphatase, Epenetos AA; Carr D; Johnson PM; et al, *Br J Radiol* 1986; 59: 117
- borderline ovarian cystadenoma: spontaneous rupture and reaccumulation documented by ultrasound, Hamper UM; Sheth S; Dahner WF; et al, *J Ultrasound Med* 1988; 7: 283
- calcified peritoneal metastases from papillary cystadenocarcinoma of the ovary: CT features, Pandolfo I; Blandino A; Gaeta M; et al, *JCAT* 1986; 10: 545
- cardiophrenic angle adenopathy: update of causes and significance, Vock P; Hodler J, *Radiology* 1986; 159: 395
- cerebral metastases from epithelial ovarian carcinoma, de Metz CE; Starreveld AA; MacLean GD; et al, *J Canad Assoc Radiol* 1987; 38: 192
- comparative study of the accuracy of ultrasound imaging, x-ray computerized tomography and low field MRI diagnosis of ovarian malignancy, Smith FW; Cherryman GR; Bayliss AP; et al, *Magn Res Imag* 1988; 6: 225
- comparison between ultrasound and gynecologic examination for detection of enlarged ovaries in a group of women at risk for ovarian carcinoma, Granberg S; Wiklund M, *J Ultrasound Med* 1988; 7: 59
- computed tomography in advanced ovarian cancer: inter- and intraobserver reliability, Wardle P; Rideout DF; Herman S; et al, *Invest Radiol* 1986; 21: 31
- computed tomography in retroconversion of hepatic metastases from immature ovarian teratoma, Lentini JF; Love MB; Ritchie WGM; et al, *JCAT* 1986; 10: 1060
- computed tomography of malignant ovarian disease, Thorvinger B; Samuelsson L; Skjaeris J, *Acta Radiol* 1987; 28: 739
- computed tomography of ovarian masses, Fukuda T; Ikeuchi M; Hashimoto H; et al, *JCAT* 1986; 10: 990
- CT findings in metastatic ovarian tumors from gastrointestinal tract neoplasms (Krukenberg tumors), Mata JM; Inaraja L; Rams A; et al, *Gastrointest Radiol* 1988; 13: 242
- CT prior to second-look operation in ovarian cancer, Silverman PM; Osborne M; Dunnick NR; et al, *AJR* 1988; 150: 829
- current therapy for dysgerminoma of the ovary, (ab), Thomas GM; Dembo AJ; Hacker NF; et al, *Radiology* 1988; 166: 293
- dermoid tumor and cystadenoma arising in the same ovary, Bundy AL; Ritchie WGM; Fine C; et al, *JCU* 1986; 14: 727
- dysgerminoma of the ovary: report on 29 patients, Santoni R; Clonini L; D'Elia F; et al, *Clin Radiol* 1987; 38: 203
- germ cell tumors of the ovary: experience of the National Cancer Institute of Milan. I. dysgerminoma, De Palo G; Lattuada A; Kenda R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 853
- immunoscintigraphy of recurrences of gynecologic carcinomas, Chatal J-F; Fumoleau P; Saccavini J-C; et al, *J Nucl Med* 1987; 28: 1807
- kinetic analysis and probability mapping applied to the detection of ovarian cancer by radioimmunoassay, Granowska M; Nimmon CC; Britton KE; et al, *J Nucl Med* 1988; 29: 599
- ovarian cancer: challenge of local tumor control and its impact on survival, Sjovall K; Silfverward C; Einhorn N, *Int J Radiat Oncol Biol Phys* 1986; 12: 567
- ovarian carcinoma: adjuvant treatment with P-32, Reddy S; Sutton GP; Stehman FB; Hornback NB; Ehrlich CE, *Radiology* 1987; 165: 275
- ovarian carcinoma follow-up: US versus laparotomy, Khan O; Cosgrove DO; Fried AM; Savage PE, *Radiology* 1986; 159: 111
- ovarian carcinoma: results of radiation therapy and chemotherapy in 83 patients, Shehata WM; Meyer RL; Cormier WJ; Jazy FK, *Radiology* 1987; 163: 539
- ovarian cystic teratomas: MR imaging, Togashi K; Nishimura K; Itoh K; Fujisawa I; Sago T; Minami S; Nakano Y; Itoh H; Torizuka K; Ozasa H, *Radiology* 1987; 162: 669
- ovarian dermoid cyst complicated by an entero-ovarian fistula, Shiels WE; Duono F; Hernandez E, *Radiology* 1986; 160: 443
- palliative radiotherapy for ovarian cancer, Adelson MD; Wharton JT; Delclos L; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 17
- paraneoplastic cerebellar degeneration in a patient with ovarian carcinoma, Wang A-M; Leibowitch S; Ridker PM; et al, *AJNR* 1988; 9: 216
- peritoneal implants from ovarian tumors: CT findings, Buy J-N; Moss AA; Ghossein MA; Scioc C; Malbec L; Vadrot D; Paniel BJ; Decroix Y, *Radiology* 1988; 169: 691
- pitfalls in interpretation of computed tomography prior to second-look laparotomy in patients with ovarian cancer, Calkins AR; Stehman FB; Wass JL; et al, *Br J Radiol* 1987; 60: 975
- postoperative abdominopelvic radiation therapy for ovarian cancer, Goldberg N; Peschel RE, *Int J Radiat Oncol Biol Phys* 1988; 14: 425
- psammomatous-like calcification in a Brenner tumor of the ovary, Schultz SM; Curry TS III; Voet R, *Br J Radiol* 1986; 59: 412
- radionuclide imaging of epithelial ovarian tumours with ¹²⁵I-labelled monoclonal antibody (H317) specific for placental-type alkaline phosphatase, Critchley M; Brownless S; Patten M; et al, *Clin Radiol* 1986; 37: 107
- radiotherapy in the treatment of ovarian dysgerminomas, Lawson AP; Adler GF, *Int J Radiat Oncol Biol Phys* 1988; 14: 431
- recurrence of ovarian and uterine neoplasms: diagnosis with transrectal US, Squillaci E; Salzani MC; Grandinetti ML; Auffermann W; Marsella A; Maresca G; Colagrande C, *Radiology* 1988; 169: 355
- results of second-look laparotomy in patients with early-stage ovarian carcinoma, (ab), Walton L; Ellenberg SS; Major F Jr, *Radiology* 1988; 167: 588
- role of lymphography in the staging and treatment of ovarian dysgerminoma: report on 27 cases, Santoni R; Villari N; Bisin L; et al, *Acta Oncol* 1987; 26: 23
- sclerosing stromal tumor of the ovary, Kawamura N; Kamoi I; Shigyo R, *Br J Radiol* 1987; 60: 1031
- serous carcinoma of the ovary: CT identification of metastatic calcified implants, Mitchell DG; Hill MC; Hill SC; Zaloudek C, *Radiology* 1986; 158: 649

Ovary, neoplasms

- sonographic appearance of Krukenberg tumor from gastric carcinoma, Choi BI, Choo IW, Han MC; et al, *Gastrointest Radiol* 1988; 13: 15
- sonographic features of Brenner tumor of the ovary, Athey PA, Siegel MF, *J Ultrasound Med* 1987; 6: 367
- sonography of ovarian fibromas/thecomas, Athey PA, Malone RS, *J Ultrasound Med* 1987; 6: 431
- struma ovarii: hyperthyroidism in a postmenopausal woman, March DE, Desai AG, Park CH; et al, *J Nucl Med* 1988; 29: 263
- surgery, chemotherapy and whole abdominal radiotherapy in the management of advanced ovarian carcinoma, Rustin GJS; Minton M; Southcott B; et al, *Clin Radiol* 1987; 38: 269
- total abdominal and pelvic radiotherapy in the management of early stage ovarian carcinoma, Macbeth FR; Macdonald H; Williams CJ, *Int J Radiat Oncol Biol Phys* 1988; 15: 353
- treatment of advanced stage ovarian carcinoma with a combination of chemotherapy, radiotherapy, and radiosensitizer: report of a pilot study from the National Cancer Institute, Lichter AS; Ozols RF; Myers CC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1225
- treatment of stages II, III and IV primary surface epithelial ovarian cancers by maximum bulk tumour reduction and combined chemotherapy with cyclophosphamide, doxorubicin and cisplatin, Khanna S; Kirwan P; Naftalin NJ; et al, *Clin Radiol* 1986; 37: 187
- ultrasound case of the day, Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM, *Radiographics* 1986; 6: 734
- variable sonographic appearances of ovarian teratomas: correlation with CT, Sheth S; Fishman EK; Buck JL; et al, *AJR* 1988; 151: 331
- whole abdominal irradiation following chemotherapy in advanced ovarian carcinoma, Kuten A; Stein M; Steiner M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 273
- Ovary, radionuclide studies**
- radionuclide imaging of epithelial ovarian tumours with ¹²⁵I-labelled monoclonal antibody (H317) specific for placental-type alkaline phosphatase, Critchley M; Brownless S; Patten M; et al, *Clin Radiol* 1986; 37: 107
- Ovary, therapeutic radiology**
- failure patterns in gynecologic cancer, Brady LW; Perez CA; Bedwinek JM, *Int J Radiat Oncol Biol Phys* 1986; 12: 549
- hyperfractionated split-course whole abdominal radiotherapy for ovarian carcinoma: tolerance and toxicity, Kong JS; Peters LJ; Wharton JT; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 737
- ovarian cancer: challenge of local tumor control and its impact on survival, Sjovall K; Silfversward C; Einhorn N, *Int J Radiat Oncol Biol Phys* 1986; 12: 567
- ovarian carcinoma: adjuvant treatment with P-32, Reddy S; Sutton GP; Stehman FB; Hornback NB; Ehrlich CE, *Radiology* 1987; 165: 275
- ovarian carcinoma: results of radiation therapy and chemotherapy in 83 patients, Shehata WM; Meyer RL; Cormier WJ; Jazy FK, *Radiology* 1987; 163: 539
- palliative radiotherapy for ovarian cancer, Adelson MD; Wharton JT; Delclos L; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 17
- postoperative abdominopelvic radiation therapy for ovarian cancer, Goldberg N; Peschel RE, *Int J Radiat Oncol Biol Phys* 1988; 14: 425
- radiotherapy in the treatment of ovarian dysgerminomas, Lawson AP; Adler GF, *Int J Radiat Oncol Biol Phys* 1988; 14: 431
- role of lymphography in the staging and treatment of ovarian dysgerminoma: report on 27 cases, Santoni R; Villari N; Bisin L; et al, *Acta Oncol* 1987; 26: 23
- surgery, chemotherapy and whole abdominal radiotherapy in the management of advanced ovarian carcinoma, Rustin GJS; Minton M; Southcott B; et al, *Clin Radiol* 1987; 38: 269
- total abdominal and pelvic radiotherapy in the management of early stage ovarian carcinoma, Macbeth FR; Macdonald H; Williams CJ, *Int J Radiat Oncol Biol Phys* 1988; 15: 353
- treatment of advanced stage ovarian carcinoma with a combination of chemotherapy, radiotherapy, and radiosensitizer: report of a pilot study from the National Cancer Institute, Lichter AS; Ozols RF; Myers CC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1225
- Ovary, US studies**
- adnexal masses: MR imaging observations at 1.5 T, with US and CT correlation, Mitchell DG; Mintz MC; Spritzer CE; Gussman D; Arger PH; Coleman BG; Axel L; Kressel HY, *Radiology* 1987; 162: 319
- borderline ovarian cystadenoma: spontaneous rupture and reaccumulation documented by ultrasound, Hamper UM; Sheth S; Dahner WF; et al, *J Ultrasound Med* 1988; 7: 283
- comparative study of the accuracy of ultrasound imaging, x-ray computerized tomography and low field MRI diagnosis of ovarian malignancy, Smith FW; Cherrymann GR; Bayliss AP; et al, *Magn Res Imag* 1988; 6: 225
- comparison between endovaginal and transabdominal transducers for measuring ovarian volume, Granberg S; Wikland M, *J Ultrasound Med* 1987; 6: 649
- comparison between ultrasound and gynecologic examination for detection of enlarged ovaries in a group of women at risk for ovarian carcinoma, Granberg S; Wikland M, *J Ultrasound Med* 1988; 7: 59
- gynecologic imaging: comparison of transabdominal and transvaginal sonography, Mendelson EB; Bohm-Velez M; Joseph N; Neiman HL, *Radiology* 1988; 166: 321
- in vitro fertilization: sonographic perspective, Hann LE; Crivello M; McArdle CB; Seibel M; Fein V; Taymor M, *Radiology* 1987; 163: 665
- ovary volume in young and premenopausal adults: US determination. work in progress, Munn CS; Kiser LC; Wetzner SM; Baer JE, *Radiology* 1986; 159: 731
- polycystic ovarian disease: US features in 104 patients, Yeh H-C; Futterweit W; Thornton JC, *Radiology* 1987; 163: 111
- presentation of an unusual complication of an ovarian cyst, Previle EJ, *J Canad Assoc Radiol* 1987; 38: 222
- recurrence of ovarian and uterine neoplasms: diagnosis with transrectal US, Squillaci E; Salzano MC; Grandinetti ML; Aufermann W; Marsella A; Maresca G; Colagrande C, *Radiology* 1988; 169: 355
- significance of the postmenopausal simple adnexal cyst, Hall DA; McCarthy KA, *J Ultrasound Med* 1986; 5: 503
- simple adnexal cysts diagnosed by ultrasound in postmenopausal women, Andolf E; Jorgensen C, *JCU* 1988; 16: 301
- sonographic evaluation of normal and induced ovulation, Ritchie WGM, *Radiology* 1986; 161: 1
- sonographic evaluation of ovarian torsion in childhood and adolescence, Graif M; Itzhak Y, *AJR* 1988; 150: 647
- sonographic evaluation of the adnexa during early pregnancy, (ab), Lavery JP; Koontz WL; Layman L; et al, *Radiology* 1987; 163: 290
- sonographic features of Brenner tumor of the ovary, Athey PA; Siegel MF, *J Ultrasound Med* 1987; 6: 367
- sonographic monitoring of ovarian volume during LHRH analogue therapy in women with polycystic ovarian syndrome, Jaffe R; Abramowicz J; Eckstein N; et al, *J Ultrasound Med* 1988; 7: 203
- sonographic visualization of the normal postmenopausal ovary, Hall DA; McCarthy KA; Kopans DB, *J Ultrasound Med* 1986; 5: 9
- sonography of hemorrhagic ovarian cysts, Reynolds T; Hill MC; Glassman LM, *JCU* 1986; 14: 449
- sonography of ovarian fibromas/thecomas, Athey PA; Malone RS, *J Ultrasound Med* 1987; 6: 431
- spectrum of sonographic findings in hemorrhagic ovarian cysts, Baltarowich OH; Kurtz AB; Pasto ME; et al, *AJR* 1987; 148: 901

transvaginal and transabdominal sonography: prospective comparison, Coleman BG; Arger PH; Grumbach K; Menard MK; Mintz MC; Allen KS; Arenson RL; Lamon KA, *Radiology* 1988; 168: 639

ultrasonography of Turner's syndrome, Shawker TH; Garra BS; Loriaux DL; et al, *J Ultrasound Med* 1986; 5: 125

variable sonographic appearances of ovarian teratomas: correlation with CT, Sheth S; Fishman EK; Buck JL; et al, *AJR* 1988; 151: 331

Ovary, varices

CT demonstration of ovarian varices, Radin DR; Ray MJ; Harrison E; et al, *JCAT* 1986; 10: 361

Oxalosis

30-year-old woman with generalized skeletal pain, Nemcek AA Jr; Ziewicz JT; Christiansen R; et al, *Invest Radiol* 1987; 22: 752

arthropathy and cutaneous calcinosis in hemodialysis oxalosis, (ab), Reginato AJ; Seane JLF; Alvarez CB; et al, *Radiology* 1987; 163: 590

small dense kidneys in a 7-year-old, Martino CR; Pakter RL; Schultz CL; et al, *Invest Radiol* 1986; 21: 76

vascular and soft tissue calcification in systemic oxalosis: CT diagnosis, Glickstein MF; Haggag AM; Coleman BG, *JCAT* 1986; 10: 691

Oxygen

diffuse pulmonary opacification in infants undergoing extracorporeal membrane oxygenation: clinical and pathologic correlation, Taylor GA; Lotze A; Kapur S; Short BL, *Radiology* 1986; 161: 347

oxygen delivery to tumors, Hirst DG, *Int J Radiat Oncol Biol Phys* 1986; 12: 1271

perfluorochemicals and hyperbaric oxygen in radiation therapy, Fischer JJ; Rockwell S; Martin DF, *Int J Radiat Oncol Biol Phys* 1986; 12: 95

radiation therapy in hyperbaric oxygen for head and neck cancer at Royal Adelaide Hospital—1964 to 1980, Denham JW; Yeoh EK; Wittwer G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 201

P

Pacemakers

See Heart, pacemakers

Pachydermoperiostosis

case report 399, deVries N; Datz FL; Manaster BJ, *Skeletal Radiol* 1986; 15: 658

PACS

See Images, storage and retrieval

Paget disease

See Osteitis deformans

Palate

calcifications of the palatine tonsillar region: CT demonstration, Asperstrand F; Kolbenstvedt A, *Radiology* 1987; 165: 479

contrast examination of the soft palate with cross sectional correlation, Rubenstein SE; Rabischong P; Bilaniuk LT; Laufer I; Levine MS, *Radiographics* 1988; 8: 641

definitive radiation treatment for early stage carcinoma of the soft palate and uvula: the indications for iridium 192 implantation, Mazoner J-J; Marinello G; Crook J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1829

interstitial and external radiotherapy in carcinoma of the soft palate and uvula, Esche BA; Haie CM; Gerbaulet AP; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 619

obstructive sleep apnea syndrome: preoperative radiologic evaluation, Hegstrom T; Emmons LL; Hoddes E; et al, *AJR* 1988; 150: 67

velopharyngeal insufficiency: comparison of projections, Stringer DA; Witzel MA, *AJR* 1986; 146: 15

Palate, cleft

sonographic features associated with cleft palate, Bundy AL; Saltzman DH; Emerson D; et al, *JCU* 1986; 14: 486

Panbronchiolitis

See Bronchiolitis

Pancreas, abnormalities

CT appearance of the ventral pancreas, Burdeny DA; Kroeker MA, *J Canad Assoc Radiol* 1988; 39: 190

- CT diagnosis of dorsal pancreas agenesis, Shah KK; DeRidder PH; Schwab RE; et al, *JCAT* 1987; 11: 170
- dorsal pancreas presenting as a mass in the chest, Coral A; Jones SN; Lees WR, *AJR* 1987; 149: 718
- duplex ventral pancreas, Agha FP, *Gastrointest Radiol* 1987; 12: 23
- gastric and duodenal pneumatosis in a child with annular pancreas, Franquet T; Gonzalez A, *Pediatr Radiol* 1987; 17: 262
- isolated ventral pancreatitis in an alcoholic with pancreas divisum, Brinberg DE; Carr MF Jr; Premkumar A; et al, *Gastrointest Radiol* 1988; 13: 323
- pancreas divisum: congenital anatomic variant or anomaly? contribution of endoscopic retrograde dorsal pancreatography, (ab), Delhaye M; Engelholm L; Cremer M, *Radiology* 1986; 160: 573
- pancreas divisum: thin-section CT, Zeman RK; McVay LV; Silverman PM; Cattau EL; Benjamin SB; Fleischer DF; Garra BS; Jaffe MH, *Radiology* 1988; 169: 395
- pancreatic mumps: transient reaction to IV contrast media (case report), St. Amour TE; McClelland BL; Glazer HS, *AJR* 1986; 147: 188
- "shrunk" pancreas: a morphological variant of idiopathic chronic pancreatitis, Bulgim O; Manning A; Lintott D; et al, *Br J Radiol* 1987; 60: 543
- vascular ring in annular pancreas associated with rare variant of celiac trunk: case report, Degryse RH; Duyck PC; van Hedent EF; et al, *Eur J Radiol* 1987; 7: 63
- Pancreas, abscess**
- abdominal abscess drainage under radiologic guidance: causes of failure, Lang EK; Springer RM; Glorioso LW III; Cammarata CA, *Radiology* 1986; 159: 329
- combination of endoscopic sphincterotomy and percutaneous abscess drainage in the management of complicated biliary pancreatitis, Frost RA; Ramsewak WS; Stevenson GW, *J Canad Assoc Radiol* 1986; 37: 238
- complicated pancreatic abscesses: problems in interventional management, Steiner E; Mueller PR; Hahn PF; Saini S; Simeone JF; Wittenberg J; Warshaw AL; Ferrucci JT Jr, *Radiology* 1988; 167: 443
- improved survival with early CT diagnosis of pancreatic abscess, Jeffrey RB Jr; Grendell JH; Federle MP; et al, *Gastrointest Radiol* 1987; 12: 26
- infected pancreatic fluid collections: percutaneous catheter drainage, Freeny PC; Lewis GP; Traverso LW; Ryan JA, *Radiology* 1988; 167: 435
- pancreatic abscess: predictive value of early abdominal CT, Vernacchia FS; Jeffrey RB Jr; Federle MP; Grendell JH; Laing FC; Wing VW; Wall SD, *Radiology* 1987; 162: 435
- pancreatic pseudocysts drained through a percutaneous transgastric approach: further experience, Matzinger FRK; Ho C-S; Yee AC; Gray RR, *Radiology* 1988; 167: 431
- Pancreas, anatomy**
- age-related morphology of the normal pancreas on computed tomography, Heuck A; Maubach PA; Reiser M; et al, *Gastrointest Radiol* 1987; 12: 18
- anatomy of the peritoneal area, McClelland BL; Lee JKT; Peterson RR, *Radiology* 1986; 158: 555
- left-sided pancreas, Dunn GD; Gibson RN, *Radiology* 1986; 159: 713
- normal and abnormal pancreas in children: US studies, (ab), Siegel MJ; Martin KW; Worthington JL, *Radiology* 1987; 165: 15
- Pancreas, angiography**
- localization of pancreatic insulinoma: comparison of pre- and intraoperative US with CT and angiography, Galiber AK; Reading CC; Charboneau JW; Sheedy PF II; James EM; Gorman B; Grant CS; van Heerden JA; Telerand RL, *Radiology* 1988; 166: 405
- marked hypervascularity and early arteriovenous shunting with portal vein filling in chronic relapsing pancreatitis, Kitagawa K; Takashima T; Matsui C; et al, *Gastrointest Radiol* 1986; 11: 56
- pancreatic ductal adenocarcinoma: diagnosis and staging with dynamic CT, Freeny PC; Marks WM; Ryan JA; Traverso LW, *Radiology* 1988; 166: 125
- Pancreas, biopsy**
- abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy, Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P, *Radiology* 1986; 159: 345
- CT guided percutaneous fine-needle biopsy of the pancreas, (ab), Luning M; Kursawe R; Schopke W; et al, *Radiology* 1986; 158: 567
- cutaneous seeding of pancreatic carcinoma by fine-needle aspiration biopsy, Rashleigh-Belcher HJC; Russell RCG; Lees WR, *Br J Radiol* 1986; 59: 182
- evaluation of computed tomography guided percutaneous biopsy of the pancreas, (ab), Dickey JE; Haaga JR; Stellato TA; et al, *Radiology* 1987; 163: 586
- fine-needle aspiration biopsy: pancreatic and biliary tumors, Hall-Craggs MA; Lees WR, *AJR* 1986; 147: 399
- fine-needle aspiration biopsy via percutaneous transhepatic catheterization: technique and clinical results, Kuroda C; Yoshioka H; Tokunaga K; et al, *Gastrointest Radiol* 1986; 11: 81
- pancreatic ductal adenocarcinoma: diagnosis and staging with dynamic CT, Freeny PC; Marks WM; Ryan JA; Traverso LW, *Radiology* 1988; 166: 125
- percutaneous pancreaticobiliary biopsies in 173 patients using primarily ultrasound or fluoroscopic guidance, Teplick SK; Haskin PH; Kline TS; et al, *Cardiovasc Intervent Radiol* 1988; 11: 26
- severe acute pancreatitis after percutaneous biopsy of the pancreas, Mueller PR; Miketic LM; Simeone JF; et al, *AJR* 1988; 151: 493
- transcatheter biopsy of lesions obstructing the bile ducts, Cope C; Marinelli DL; Weinstein JK, *Radiology* 1988; 169: 555
- ultrasonically guided fine-needle aspiration biopsy in focal pancreatic lesions, Taavitsainen M; Koivuniemi A; Bondestam S; et al, *Acta Radiol* 1987; 28: 541
- US-guided percutaneous pancreatography: experience in 75 patients, Lees WR; Heron CW, *Radiology* 1987; 165: 809
- Pancreas, calcification**
- pancreatic cysts and calcification in cystic fibrosis, Liu P; Daneman A; Stringer DA; et al, *J Canad Assoc Radiol* 1986; 37: 279
- solid and papillary epithelial neoplasms of the pancreas: CT findings, Choi BI; Kim KW; Han MC; Kim YI; Kim C-W, *Radiology* 1988; 166: 413
- Pancreas, CT**
- age-related morphology of the normal pancreas on computed tomography, Heuck A; Maubach PA; Reiser M; et al, *Gastrointest Radiol* 1987; 12: 18
- bolus-rapid infusion of contrast medium: simplified technique for optimal computed tomography pancreatography without use of dynamic scanning, Vogelzang RL; Gore RM, *CT* 1987; 11: 1
- comparative study of computed tomography and ERCP in pancreaticobiliary disease, Tobin RS; Vogelzang RL; Gore RM; et al, *CT* 1987; 11: 261
- complicated pancreatic abscesses: problems in interventional management, Steiner E; Mueller PR; Hahn PF; Saini S; Simeone JF; Wittenberg J; Warshaw AL; Ferrucci JT Jr, *Radiology* 1988; 167: 443
- computed tomography findings in squamous cell carcinoma of the pancreas, Fajardo LL; Yoshino MT; Chernin MM, *CT* 1988; 12: 138
- computed tomography of peripancreatic fat planes, Wittich GR; vanSonnenberg E; Willson SA; et al, *Eur J Radiol* 1987; 7: 253
- computed tomography of the normal pancreatic uncinate process, Martin DF, *Clin Radiol* 1988; 39: 195
- CT appearance of primary pancreatic lymphoma, Teeley SA; Stephens DH; Sheedy PF II, *Gastrointest Radiol* 1986; 11: 41
- CT appearance of the ventral pancreas, Burdeny DA; Kroeker MA, *J Canad Assoc Radiol* 1988; 39: 190
- CT demonstration of gas in dilated pancreatic duct, Itai Y; Ohtomo K; Kokubo T; et al, *JCAT* 1986; 10: 1052
- CT diagnosis of dorsal pancreas agenesis, Shah KK; DeRidder PH; Schwab RE; et al, *JCAT* 1987; 11: 170
- CT evaluation of pancreatic cancer: analysis of resected tumours, Shimamoto K; Ishiguchi T; Sakuma S, *Eur J Radiol* 1987; 7: 37
- CT of the pancreas with a fat-density oral contrast regimen, Raptopoulos V; Davidoff A; Karellas A; et al, *AJR* 1988; 150: 1303
- cystlike lesions of the pancreatic region on computed tomography, Yellin JA, *Semin Roentgenol* 1987; 22: 82
- "ductectatic" mucinous cystadenoma and cystadenocarcinoma of the pancreas, Itai Y; Ohhashi K; Nagai H; Murakami Y; Kokubo T; Makita K; Ohtomo K, *Radiology* 1986; 161: 697
- extrapancreatic spread of acute pancreatitis: new observations with real-time US, Jeffrey RB Jr; Laing FC; Wing VW, *Radiology* 1986; 159: 707
- improved survival with early CT diagnosis of pancreatic abscess, Jeffrey RB Jr; Grendell JH; Federle MP; et al, *Gastrointest Radiol* 1987; 12: 26
- infected pancreatic fluid collections: percutaneous catheter drainage, Freeny PC; Lewis GP; Traverso LW; Ryan JA, *Radiology* 1988; 167: 435
- ionic and non-ionic contrast media used for contrast-enhanced computed tomography in experimental pancreatitis, Kivisaari L; Nuutinen P; Lehtola A; et al, *Acta Radiol* 1988; 29: 243
- left-sided pancreas, Dunn GD; Gibson RN, *Radiology* 1986; 159: 713
- localization of pancreatic insulinoma: comparison of pre- and intraoperative US with CT and angiography, Galiber AK; Reading CC; Charboneau JW; Sheedy PF II; James EM; Gorman B; Grant CS; van Heerden JA; Telerand RL, *Radiology* 1988; 166: 405
- pancreas divisum: thin-section CT, Zeman RK; McVay LV; Silverman PM; Cattau EL; Benjamin SB; Fleischer DF; Garra BS; Jaffe MH, *Radiology* 1988; 169: 395
- pancreas islet cell carcinoma with complete fatty replacement: CT characteristics, Cohen DJ; Fagelman D, *JCAT* 1986; 10: 1050
- pancreatic abscess: predictive value of early abdominal CT, Vernacchia FS; Jeffrey RB Jr; Federle MP; Grendell JH; Laing FC; Wing VW; Wall SD, *Radiology* 1987; 162: 435
- pancreatic ductal adenocarcinoma: diagnosis and staging with dynamic CT, Freeny PC; Marks WM; Ryan JA; Traverso LW, *Radiology* 1988; 166: 125
- pancreatic insufficiency: role of CT evaluation, Shuman WP; Carter SJ; Montana MA; Mack LA; Moss AA, *Radiology* 1986; 158: 625
- pancreatic lesions and trans fascial peritoneal spread: computed tomographic demonstration, Feldberg MAM; Hendriks MJ; van Waas PFGM; et al, *Gastrointest Radiol* 1987; 12: 121
- pancreatic necrosis: CT manifestations, White EM; Wittenberg J; Mueller PR; Simeone JF; Butch R; Warshaw AL; Neff CC; Nardi GL; Ferrucci JT Jr, *Radiology* 1986; 158: 343
- pancreatic transplantation: scintigraphy, US, and CT, Patel B; Markivee CR; Mahanta B; Vas W; George E; Garvin P, *Radiology* 1988; 167: 685
- peritoneal fluid collection complicating chronic pancreatitis: CT demonstration, Casolo F; Bianco R; Franceschelli N, *Gastrointest Radiol* 1987; 12: 117
- primary hydatid disease of the pancreas, Missas S; Gouliamos A; Kourias E; et al, *Gastrointest Radiol* 1987; 12: 37
- prognostic value of CT in acute pancreatitis: is the early CT examination indicated?, Balthazar EJ, *Radiology* 1987; 162: 876
- pseudoaneurysms complicating pancreatitis: detection by CT, Burke JW; Erickson SJ; Kellum CD; Tegtmeyer CJ; Williamson BRJ; Hansen MF, *Radiology* 1986; 161: 447

pseudoaneurysm with rupture in pancreatic pseudocyst wall as demonstrated by computed tomography, Kittredge RD; Gordon RB, CT 1987; 11: 35

radiology of the pancreas: two decades of progress in imaging and intervention, Freeny PC, AJR 1988; 150: 975

renal fascial pathway: posterior extension of pancreatic effusions within the anterior pararenal space, Raptopoulos V; Kleinman PK; Marks S Jr; Snyder M; Silverman PM, Radiology 1986; 158: 367

solid and papillary epithelial neoplasms of the pancreas: CT findings, Choi BI; Kim KW; Han MC; Kim YI; Kim C-W, Radiology 1988; 166: 413

sonography in patients with a possible pancreatic mass shown on CT, Ormson ML; Charboneau JW; Stephens DH, AJR 1987; 148: 551

superior mesenteric artery fat plane: is obliteration pathognomonic of pancreatic carcinoma?, Mitchell DG; Hill MC; Cooper R; et al, CT 1987; 11: 247

transection of the pancreas demonstrated by ultrasound and computed tomography, Van Steenberg W; Samain H; Pouillon M; et al, Gastrointest Radiol 1987; 12: 128

ultrasonography and computed tomography in pancreatic malignancy, Pääväsalo M; Lähde S, Acta Radiol 1988; 29: 343

ultrasound and computed tomography in the evaluation of pancreatic transplantation, Letourneau JG; Maile CW; Sutherland DER; et al, Radiol Clin North Am 1987; 25: 345

Pancreas, cysts

cystlike lesions of the pancreatic region on computed tomography, Yellin JA, Semin Roentgenol 1987; 22: 82

"ductectatic" mucinous cystadenoma and cystadenocarcinoma of the pancreas, Itai Y; Ohhashi K; Nagai H; Murakami Y; Kokubo T; Makita K; Ohtomo K, Radiology 1986; 161: 697

enteric cyst of the pancreas, Martin DF; Haboubi NY; Tweedle DEF, Gastrointest Radiol 1987; 12: 35

extrapancreatic spread of acute pancreatitis: new observations with real-time US, Jeffrey RB Jr; Laing FC; Wing VW, Radiology 1986; 159: 707

intraoperative ultrasonographic localization of a small pancreatic pseudocyst, Rindsberg S; Radecki PD; Friedman AC; et al, Gastrointest Radiol 1986; 11: 339

pancreatic cystosis in cystic fibrosis, Hernanz-Schulman M; Teele RL; Perez-Atayde A; Zollars L; Levine J; Black P; Kuligowska E, Radiology 1986; 158: 629

pancreatic cysts and calcification in cystic fibrosis, Liu P; Daneman A; Stringer DA; et al, J Canad Assoc Radiol 1986; 37: 279

pancreatic pseudocyst of the mediastinum: evaluation by CT, Maier W; Roscher R; Malfertheiner P; et al, Eur J Radiol 1986; 6: 70

pancreatic pseudocysts drained through a percutaneous transgastric approach: further experience, Matzinger FRK; Ho C-S; Yee AC; Gray RR, Radiology 1988; 167: 431

percutaneous aspiration and drainage of pancreatic pseudocysts, Torres WE; Evert MB; Baumgartner BR; et al, AJR 1986; 147: 1007

percutaneous drainage of an infected mediastinal pseudocyst, Semelka RC; Greenberg HM, J Canad Assoc Radiol 1987; 38: 54

percutaneous drainage of mediastinal pseudocysts, Wittich GR; Karmel F; Schurawitzki H; Jantsch H, Radiology 1988; 167: 51

percutaneous drainage of pancreatic and peripancreatic fluid collections, Stanley JH; Coblen RP; Schabel SI; et al, Cardiovasc Intervent Radiol 1988; 11: 21

real-time ultrasonography of pancreatic pseudocyst: comparison of infected and noninfected pseudocysts, Lee C-M; Chang-Chien C-S; Lin D-Y; et al, JCU 1988; 16: 393

ruptured pancreatic pseudocyst: extension into the thigh, Lye DJ; Stark RH; Cullen GM; et al, AJR 1987; 149: 937

spontaneous rupture of a pancreatic pseudocyst into the portal venous system, Takayama T; Kato K; Sano H; et al, AJR 1986; 147: 935

Pancreas, diseases

CT findings in biliary and pancreatic ascariasis, Radin DR; Vachon LA, JCAT 1986; 10: 508

cytomegalovirus infection of the alimentary canal: radiologic findings with pathologic correlation, Teixidor HS; Honig CL; Norsoph E; Albert S; Mouradian JA; Whalen JP, Radiology 1987; 163: 317

lipomatosis of the pancreas: mistake in diagnostic imaging, Bock E; Grandinetti F; Corcioni E; et al, JCU 1986; 14: 398

magnetic resonance (MR) in the diagnosis of pancreatic disease, (ab), Anacker H; Rupp N; Reiser M, Radiology 1986; 158: 286

MR imaging in the diagnosis of pancreatic disease, Tscholakoff D; Hricak H; Thoeni R; et al, AJR 1987; 148: 703

pancreatic cystosis in cystic fibrosis, Hernanz-Schulman M; Teele RL; Perez-Atayde A; Zollars L; Levine J; Black P; Kuligowska E, Radiology 1986; 158: 629

pancreatic insufficiency: role of CT evaluation, Shuman WP; Carter SJ; Montana MA; Mack LA; Moss AA, Radiology 1986; 158: 625

pancreatic necrosis: CT manifestations, White EM; Wittenberg J; Mueller PR; Simeone JF; Butch RJ; Warshaw AL; Neff CC; Nardi GL; Ferrucci JT Jr, Radiology 1986; 158: 343

pancreatic sarcoidosis mimicking pancreatic cancer, Sagalow BR; Miller CL; Wechsler RJ, JCU 1988; 16: 131

primary hydatid disease of the pancreas, Missas S; Gouliamas A; Kourias E; et al, Gastrointest Radiol 1987; 12: 37

quantitative tissue characterisation in pancreatic disease using magnetic resonance imaging, Jenkins JPR; Braganza JM; Hickey DS; et al, Br J Radiol 1987; 60: 333

Pancreas, ectopic

cyst formation in gastric heterotopic pancreas: report of two cases, Claudon M; Verain AL; Bigard MA; Boissel P; Poisson P; Floquet J; Regent D, Radiology 1988; 169: 659

Pancreas, fibrosis

pancreatic pseudotumors associated with multifocal idiopathic fibrosclerosis, Clark A; Zeman RK; Choyke PL; et al, Gastrointest Radiol 1988; 13: 30

Pancreas, hemorrhage

demonstration of bleeding into a pancreatic pseudocyst on a technetium-99m labeled red blood cell scan, Ellison MJ; Thornburg A; Turbner E, Clin Nucl Med 1987; 12: 969

Pancreas, inflammation

See Pancreatitis

Pancreas, injuries

transection of the pancreas demonstrated by ultrasound and computed tomography, Van Steenberg W; Samain H; Pouillon M; et al, Gastrointest Radiol 1987; 12: 128

ultrasound in acute pancreatic trauma, Jeffrey RB Jr; Laing FC; Wing VW, Gastrointest Radiol 1986; 11: 44

Pancreas, insufficiency

pancreatic insufficiency: role of CT evaluation, Shuman WP; Carter SJ; Montana MA; Mack LA; Moss AA, Radiology 1986; 158: 625

Pancreas, interventional procedure

combination of endoscopic sphincterotomy and percutaneous abscess drainage in the management of complicated biliary pancreatitis, Frost RA; Ramsay WS; Stevenson GW, J Canad Assoc Radiol 1986; 37: 238

complicated pancreatic abscesses: problems in interventional management, Steiner E; Mueller PR; Hahn PF; Saini S; Simeone JF; Wittenberg J; Warshaw AL; Ferrucci JT Jr, Radiology 1988; 167: 443

infected pancreatic fluid collections: percutaneous catheter drainage, Freeny PC; Lewis GP; Traverso LW; Ryan JA, Radiology 1988; 167: 435

pancreatic pseudocysts drained through a percutaneous transgastric approach: further experience, Matzinger FRK; Ho C-S; Yee AC; Gray RR, Radiology 1988; 167: 431

percutaneous aspiration and drainage of pancreatic pseudocysts, Torres WE; Evert MB; Baumgartner BR; et al, AJR 1986; 147: 1007

percutaneous drainage and aspiration of fluid collections: emphasis on pancreatic collections and transplant patients, Cadotte RN; Rankin RN, J Canad Assoc Radiol 1988; 39: 121

percutaneous drainage of mediastinal pseudocysts, Wittich GR; Karmel F; Schurawitzki H; Jantsch H, Radiology 1988; 167: 51

radiology of the pancreas: two decades of progress in imaging and intervention, Freeny PC, AJR 1988; 150: 975

transgastric percutaneous drainage of pancreatic pseudocysts, Sacks D; Robinson ML, AJR 1988; 151: 303

Pancreas, MR studies

experimental acute pancreatitis: in vitro magnetic resonance characteristics, Tsay D-G; Niederer C; Schmidt H; et al, Invest Radiol 1987; 22: 556

experimental acute pancreatitis: MR relaxation time studies using gadolinium-DTPA, Pajunen H; Brasch RC; Dean PB, Magn Res Med 1988; 6: 63

magnetic resonance (MR) in the diagnosis of pancreatic disease, (ab), Anacker H; Rupp N; Reiser M, Radiology 1986; 158: 286

MR diagnosis of pancreatic transplant rejection, Vahey TN; Glazer GM; Francis IR; et al, AJR 1988; 150: 557

MRI in organ transplantation, Lund G; Letourneau JG; Day DL; et al, Radiol Clin North Am 1987; 25: 281

MR imaging in the diagnosis of pancreatic disease, Tscholakoff D; Hricak H; Thoeni R; et al, AJR 1987; 148: 703

nuclear magnetic resonance of the liver, spleen, and pancreas, Stark DD; Moss AA; Goldberg HI, Cardiovasc Intervent Radiol 1986; 8: 329

pancreatic transplant imaging, Yuh WTC; Wieser JA; Abu-Yousef MM; Rezaei K; Sato Y; Berbaum KS; Kao SC; Hunsicker LG; Corry RJ, Radiology 1988; 167: 679

quantitative tissue characterisation in pancreatic disease using magnetic resonance imaging, Jenkins JPR; Braganza JM; Hickey DS; et al, Br J Radiol 1987; 60: 333

radiology of the pancreas: two decades of progress in imaging and intervention, Freeny PC, AJR 1988; 150: 975

single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T, Unger EC; Cohen MS; Gatenby RA; et al, JCAT 1988; 12: 575

Pancreas, necrosis

management of infected pancreatic necrosis by open drainage, (ab), Bradley EL III, Radiology 1988; 167: 586

Pancreas, neoplasms

abdominal lesions: prospective study of clinical efficacy of percutaneous fine-needle biopsy, Bret PM; Fond A; Casola G; Bretagnolle M; Germain-Lacour MJ; Bret P; Labadie M; Buffard P, Radiology 1986; 159: 345

angiographic appearances of islet cell tumours of the pancreas, (ab), Puvanenswary M; Afzal M, Radiology 1986; 158: 858

benign pancreatic insulinoma: preoperative and intraoperative sonographic localization, Gorman B; Charboneau JW; James EM; et al, AJR 1986; 147: 929

bone metastases in Zollinger-Ellison syndrome demonstrated by scintigraphy, Van den Abbeele AD; Hardoff R; Royal HD; et al, Clin Nucl Med 1987; 12: 954

case of the month: dyspeptic disco dancer, Peck RJ; Ng K; Li A, Br J Radiol 1988; 61: 417

cholecystoduodenal fistula due to pancreatic carcinoma: CT diagnosis, Radin DR; Santiago EM, JCAT 1986; 10: 149

combined modality treatment of localized unresectable adenocarcinoma of the pancreas, Mohiuddin M; Cantor RJ; Biermann W; et al, Int J Radiat Oncol Biol Phys 1988; 14: 79

- comparison of angiography and ultrasound in the evaluation of the portal venous system in pancreatic carcinoma, Garra BS; Shawker TH; Doppman JL; et al, *JCU* 1987; 15: 83
- comparison of helium-ion radiation therapy and split-course megavoltage irradiation for unresectable adenocarcinoma of the pancreas: final report of a Northern California oncology group randomized prospective clinical trial, Linstadt D; Quivey JM; Castro JR; Andejeski Y; Phillips TL; Hannigan J; Gribble M, *Radiology* 1988; 168: 261
- computed tomography findings in squamous cell carcinoma of the pancreas, Fajardo LL; Yoshino MT; Chernin MM, *CT* 1988; 12: 138
- CT appearance of primary pancreatic lymphoma, Teeley SA; Stephens DH; Sheedy PF II, *Gastrointest Radiol* 1986; 11: 41
- CT demonstration of gas in dilated pancreatic duct, Itai Y; Ohtomo K; Kokubo T; et al, *JCAT* 1986; 10: 1052
- CT evaluation of pancreatic cancer: analysis of resected tumours, Shimamoto K; Ishiguchi T; Sakuma S, *Eur J Radiol* 1987; 7: 37
- cutaneous seeding of pancreatic carcinoma by fine-needle aspiration biopsy, Rashleigh-Belcher HJC; Russell RCG; Lees WR, *Br J Radiol* 1986; 59: 182
- "ductectatic" mucinous cystadenoma and cystadenocarcinoma of the pancreas, Itai Y; Ohhashi K; Nagai H; Murakami Y; Kokubo T; Makita K; Ohtomo K, *Radiology* 1986; 161: 697
- ectopic gastrinoma and Zollinger-Ellison syndrome, (ab), Bhagavan BS; Slavin RE; Goldberg J; et al, *Radiology* 1986; 161: 858
- fistula from the superior mesenteric artery to duodenum: rare cause of death from pancreatic carcinoma, Thorstad BL; Keller FS, *Gastrointest Radiol* 1987; 12: 200
- intraoperative and external beam irradiation \pm 5-FU for locally advanced pancreatic cancer, Gunderson LL; Martin JK; Kvols LK; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 319
- intraoperative ultrasonographic localization of islet cell tumors: a prospective comparison to palpation, (ab), Norton JA; Cronack DT; Shawker TH; et al, *Radiology* 1988; 168: 291
- intraoperative US, Shawker TH; Doppman JL, *Radiology* 1988; 166: 568
- localization of pancreatic insulinoma: comparison of pre- and intraoperative US with CT and angiography, Galiber AK; Reading CC; Charboneau JW; Sheedy PF II; James EM; Gorman B; Grant CS; van Heerden JA; Tandler RL, *Radiology* 1988; 166: 405
- microcystic adenoma (serous cystadenoma) of the pancreas: a study of 14 cases with immunohistochemical and electron-microscopic correlation, (ab), Alpert LC; Truong LD; Brossart MJ; et al, *Radiology* 1988; 169: 286
- microcystic adenomas (serous cystadenomas) of pancreas: a clinicopathologic investigation of eight cases with immunohistochemical and ultrastructural studies, (ab), Shorten SD; Hart WR; Petras RA, *Radiology* 1987; 162: 883
- mucin-hypersecreting carcinoma of the pancreas, Itai Y; Kokubo T; Atomi Y; Kuroda A; Haraguchi Y; Terano A, *Radiology* 1987; 165: 51
- palliative radiotherapy in the management of pancreatic carcinoma: combined interstitial and external beam therapy, Kersh CR; Constable WC; Eisert DK; et al, *Br J Radiol* 1988; 61: 408
- pancreas islet cell carcinoma with complete fatty replacement: CT characteristics, Cohen DJ; Fagelman D, *JCAT* 1986; 10: 1050
- pancreatic acinar cell carcinoma with subcutaneous and intraosseous fat necrosis, Radin DR; Colletti PM; Forrester DM; Tang WW, *Radiology* 1986; 158: 67
- pancreatic ductal adenocarcinoma: diagnosis and staging with dynamic CT, Freeny PC; Marks WM; Ryan JA; Traverso LW, *Radiology* 1988; 166: 125
- pancreatic duct: US-guided percutaneous opacification, Matter D; Bret PM; Bretagnolle M; Valette PJ; Fond A, *Radiology* 1987; 163: 635
- pancreatic lesions and trans fascial perirenal spread: computed tomographic demonstration, Feldberg MAM; Hendriks MJ; van Waas PFGM; et al, *Gastrointest Radiol* 1987; 12: 121
- pancreatic metastases: US evaluation, Wernecke K; Peters PE; Galanski M, *Radiology* 1986; 160: 399
- pancreatic neoplasms: how useful is evaluation with US?, Campbell JP; Wilson SR, *Radiology* 1988; 167: 341
- partial gastrectomy: a risk factor for carcinoma of the pancreas?, (ab), Offerhaus GJA; Giardiello FM; Moore GW; et al, *Radiology* 1987; 164: 588
- perioperative US, Hall FM; McCordle CR, *Radiology* 1988; 168: 286
- prospective study of gastrinoma localization and resection in patients with Zollinger-Ellison syndrome, (ab), Norton JA; Doppman JL; Collier MJ; et al, *Radiology* 1987; 163: 289
- prospective study of the ability of computed axial tomography to localize gastrinomas in patients with Zollinger-Ellison syndrome, (ab), Wank SA; Doppman JL; Miller DL; et al, *Radiology* 1987; 165: 588
- radiogallium hot spleen in Trousseau's syndrome with splenic vein occlusion, Dey HM; Karimeddini MK; Ciesielski TE; et al, *Clin Nucl Med* 1986; 11: 640
- response of pancreatic tumor to intraoperative radiotherapy: medical imaging and pathologic system approach, Nishimura A; Otsu H; Itoh I; et al, *CT* 1987; 11: 5
- role of selective angiography in the management of patients with Zollinger-Ellison syndrome, (ab), Maton PN; Miller DL; Doppman JL; et al, *Radiology* 1987; 165: 882
- skeletal metastasis from gastrinoma: uncommon manifestation of pancreatic endocrine tumor, Park H-M; Gudkese DB; Clark SA; et al, *Clin Nucl Med* 1986; 11: 799
- solid and papillary epithelial neoplasms of the pancreas: CT findings, Choi BI; Kim KW; Han MC; Kim YI; Kim C-W, *Radiology* 1988; 166: 413
- solid and papillary epithelial pancreatic neoplasm: unusual tumor, Farman J; Chen C-K; Schulze G; et al, *Gastrointest Radiol* 1987; 12: 31
- sonography in patients with a possible pancreatic mass shown on CT, Ormson ML; Charboneau JW; Stephens DH, *AJR* 1987; 148: 551
- spectrum of sonographic findings in pancreatic carcinoma, Shawker TH; Garra BS; Hill MC; et al, *J Ultrasound Med* 1986; 5: 169
- superior mesenteric artery fat plane: is obliteration pathognomonic of pancreatic carcinoma?, Mitchell DG; Hill MC; Cooper R; et al, *CT* 1987; 11: 247
- transcatheter biopsy of lesions obstructing the bile ducts, Cope C; Marinelli DL; Weinstein JK, *Radiology* 1988; 169: 555
- ultrasonically guided fine-needle aspiration biopsy in focal pancreatic lesions, Taavitsainen M; Koivuniemi A; Bondestam S; et al, *Acta Radiol* 1987; 28: 541
- ultrasonography and computed tomography in pancreatic malignancy, Pääväsalo M; Lähde S, *Acta Radiol* 1988; 29: 343
- unusual anatomic location of pancreatic masses, Abiri MM; Kirkepar M, *J Ultrasound Med* 1986; 5: 703
- uptake of ^{99m}Tc -methylene diphosphonate by pancreatic insulinoma, Price J; Cockram CS; McGuire LJ; et al, *AJR* 1987; 149: 69
- uro-radiological manifestations of pancreatic carcinoma, Loughran CF; Kenny J, *Clin Radiol* 1988; 39: 281
- usefulness of selective arterial secretin injection test for localization of gastrinoma in the Zollinger-Ellison syndrome, (ab), Imamura M; Minematsu S; Suzuki T; et al, *Radiology* 1987; 164: 881
- US-guided percutaneous pancreatography: experience in 75 patients, Lees WR; Heron CW, *Radiology* 1987; 165: 809
- value of ultrasonographic examination combined with measurement of serum tumor markers in the diagnosis of pancreatic cancer of less than 3 cm in diameter, (ab), Iishi H; Yamamura H; Tatsuta M; et al, *Radiology* 1986; 161: 573
- Pancreas, percutaneous drainage**
See Pancreas, interventional procedure
- Pancreas, radiography**
diagnosis and grading of chronic pancreatitis by morphological criteria derived by ultrasound and pancreatography, Jones SN; Lees WR; Frost RA, *Clin Radiol* 1988; 39: 43
- "ductectatic" mucinous cystadenoma and cystadenocarcinoma of the pancreas, Itai Y; Ohhashi K; Nagai H; Murakami Y; Kokubo T; Makita K; Ohtomo K, *Radiology* 1986; 161: 697
- mucin-hypersecreting carcinoma of the pancreas, Itai Y; Kokubo T; Atomi Y; Kuroda A; Haraguchi Y; Terano A, *Radiology* 1987; 165: 51
- radiology of the pancreas: two decades of progress in imaging and intervention, Freeny PC, *AJR* 1988; 150: 975
- Pancreas, radionuclide studies**
demonstration of bleeding into a pancreatic pseudocyst on a technetium-99m labeled red blood cell scan, Ellison MJ; Thornburg A; Turbner E, *Clin Nucl Med* 1987; 12: 969
- indium-111 autologous leukocyte imaging in pancreatitis, Anderson JR; Spence RAJ; Laird JD; et al, *J Nucl Med* 1986; 27: 345
- pancreatic transplantation: scintigraphy, US, and CT, Patel B; Markivee CR; Mahanta B; Vas W; George E; Garvin P, *Radiology* 1988; 167: 685
- pancreatic transplant imaging, Yuh WTC; Wiese JA; Abu-Yousef MM; Rezaei K; Sato Y; Berbaum KS; Kao SC; Hunsicker LG; Corry RJ, *Radiology* 1988; 167: 679
- radionuclide surveillance of the allografted pancreas, George EA; Salimi Z; Carney K; et al, *AJR* 1988; 150: 811
- simultaneous pancreatic-renal transplant scintigraphy, Shulkin BL; Dufee DC; Wahl RL, *AJR* 1986; 147: 1193
- uptake of ^{99m}Tc -methylene diphosphonate by pancreatic insulinoma, Price J; Cockram CS; McGuire LJ; et al, *AJR* 1987; 149: 69
- Pancreas, surgery**
pancreatic ductal adenocarcinoma: diagnosis and staging with dynamic CT, Freeny PC; Marks WM; Ryan JA; Traverso LW, *Radiology* 1988; 166: 125
- Pancreas, therapeutic radiology**
combined modality treatment of localized unresectable adenocarcinoma of the pancreas, Mohiuddin M; Cantor RJ; Biermann W; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 79
- comparison of helium-ion radiation therapy and split-course megavoltage irradiation for unresectable adenocarcinoma of the pancreas: final report of a Northern California oncology group randomized prospective clinical trial, Linstadt D; Quivey JM; Castro JR; Andejeski Y; Phillips TL; Hannigan J; Gribble M, *Radiology* 1988; 168: 261
- CT guided interstitial therapy of pancreatic carcinoma, Haaga JR; Owens DB; Kellermeyer RW; et al, *JCAT* 1987; 11: 1077
- intraoperative and external beam irradiation \pm 5-FU for locally advanced pancreatic cancer, Gunderson LL; Martin JK; Kvols LK; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 319
- palliative radiotherapy in the management of pancreatic carcinoma: combined interstitial and external beam therapy, Kersh CR; Constable WC; Eisert DK; et al, *Br J Radiol* 1988; 61: 408
- response of pancreatic tumor to intraoperative radiotherapy: medical imaging and pathologic system approach, Nishimura A; Otsu H; Itoh I; et al, *CT* 1987; 11: 5
- split course radiation therapy for adenocarcinoma of the pancreas, Flickinger JC; Jawalekar K; Deutsch M; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 359
- Pancreas, transplantation**
monitoring of pancreatic graft perfusion by first passage radionuclide angiography, Thomsen HS; Rasmussen K; Burchard F; et al, *Acta Radiol* 1988; 29: 138
- MR diagnosis of pancreatic transplant rejection, Vahey TN; Glazer GM; Francis IR; et al, *AJR* 1988; 150: 557

Pancreas, transplantation

- MRI in organ transplantation, Lund G; Letourneau JG; Day DL; et al, *Radiol Clin North Am* 1987; 25: 281
- pancreas transplantation: clinical considerations, Hanto DW; Sutherland DER, *Radiol Clin North Am* 1987; 25: 333
- pancreas transplantation with pancreaticoduodenal-cystostomy for exocrine drainage: cystographic findings, Woolsey EJ; Tauscher JR; Dafeo DC, *AJR* 1987; 149: 507
- pancreatic transplantation: scintigraphy, US, and CT, Patel B; Markivee CR; Mahanta B; Vas W; George E; Garvin P, *Radiology* 1988; 167: 685
- pancreatic transplant imaging, Yuh WTC; Wiese JA; Abu-Yousef MM; Rezaei K; Sato Y; Berbaum KS; Kao SCS; Hunsicker LG; Corry RJ, *Radiology* 1988; 167: 679
- percutaneous aspiration and drainage of abdominal fluid collections after pancreatic transplantation, Letourneau JG; Hunter DW; Crass JR; et al, *AJR* 1988; 150: 805
- pseudoaneurysms complicating organ transplantation: roles of CT, duplex sonography, and angiography, Tobben PJ; Zajko AB; Sumkin JH; Bowen A; Fuhrman CR; Skolnick ML; Bron KM; Esquivel CO; Starzl TE, *Radiology* 1988; 169: 65
- radionuclide surveillance of the allografted pancreas, George EA; Salimi Z; Carney K; et al, *AJR* 1988; 150: 811
- simultaneous pancreatic-renal transplant scintigraphy, Shulkin BL; Dafeo DC; Wahl RL, *AJR* 1986; 147: 1193
- technetium-99m sulfur colloid imaging of vascular thrombosis in pancreaticosplenic transplant, Grassi CJ; Lee RGL; Hill TC; et al, *Clin Nucl Med* 1986; 11: 558
- ultrasound and computed tomography in the evaluation of pancreatic transplantation, Letourneau JG; Maile CW; Sutherland DER; et al, *Radiol Clin North Am* 1987; 25: 345
- ### Pancreas, US studies
- benign pancreatic insulinoma: preoperative and intraoperative sonographic localization, Gorman B; Charboneau JW; James EM; et al, *AJR* 1986; 147: 929
- diagnosis and grading of chronic pancreatitis by morphological criteria derived by ultrasound and pancreatography, Jones SN; Lees WR; Frost RA, *Clin Radiol* 1988; 39: 43
- diurnal sonographic imaging of the pancreas, (ab), Szekessy T; Pochhammer K-F, *Radiology* 1986; 158: 567
- "ductectatic" mucinous cystadenoma and cystadenocarcinoma of the pancreas, Itai Y; Ohhashi K; Nagai H; Murakami Y; Kokubo T; Makita K; Ohtomo K, *Radiology* 1986; 161: 697
- effect of steroid ingestion on pancreatic echogenicity, Gupta AK; Aronson A-M; McKee JD; et al, *JCU* 1987; 15: 171
- extrapancreatic spread of acute pancreatitis: new observations with real-time US, Jeffrey RB Jr; Laing FC; Wing VW, *Radiology* 1986; 159: 707
- groove pancreatitis. pathological anatomy and sonographic findings, (ab), Seitz K; Rettenmaier G; Stolte M, *Radiology* 1986; 158: 567
- hepatic artery pseudoaneurysm: diagnosis with real-time and pulsed Doppler US, Falkoff GE; Taylor KJW; Morse SS, *Radiology* 1986; 158: 55
- intraoperative ultrasonic localization of a small pancreatic pseudocyst, Rindsberg S; Radecki PD; Friedman AC; et al, *Gastrointest Radiol* 1986; 11: 339
- intraoperative ultrasonographic localization of islet cell tumors: a prospective comparison to palpation, (ab), Norton JA; Cromack DT; Shawker TH; et al, *Radiology* 1988; 168: 291
- left-sided pancreas, Dunn GD; Gibson RN, *Radiology* 1986; 159: 713
- localization of pancreatic insulinoma: comparison of pre- and intraoperative US with CT and angiography, Galiber AK; Reading CC; Charboneau JW; Sheedy PF II; James EM; Gorman B; Grant CS; van Heerden JA; Telander RL, *Radiology* 1988; 166: 405
- normal and abnormal pancreas in children: US studies, (ab), Siegel MJ; Martin KW; Worthington JL, *Radiology* 1987; 165: 15
- pancreatic duct: US-guided percutaneous opacification, Matter D; Bret PM; Bretagnolle M; Valette PJ; Fond A, *Radiology* 1987; 163: 635
- pancreatic metastases: US evaluation, Wernecke K; Peters FE; Galanski M, *Radiology* 1986; 160: 399
- pancreatic neoplasms: how useful is evaluation with US?, Campbell JP; Wilson SR, *Radiology* 1988; 167: 341
- pancreatic pseudomass caused by the second portion of the duodenum: pitfall during water-aided sonography (technical note), Op den Orth JO, *AJR* 1986; 147: 281
- pancreatic sonography: enhancement by metoclopramide, duCret RP; Jackson VP; Rees CR; et al, *AJR* 1986; 146: 341
- pancreatic transplantation: scintigraphy, US, and CT, Patel B; Markivee CR; Mahanta B; Vas W; George E; Garvin P, *Radiology* 1988; 167: 685
- pancreatic transplant imaging, Yuh WTC; Wiese JA; Abu-Yousef MM; Rezaei K; Sato Y; Berbaum KS; Kao SCS; Hunsicker LG; Corry RJ, *Radiology* 1988; 167: 679
- prepancreatic fat deposition: possible pitfall in pancreatic sonography, Op den Orth JO, *AJR* 1986; 146: 1017
- pseudoaneurysms complicating pancreatitis: detection by CT, Burke JW; Erickson SJ; Kellum CD; Tegtmeyer CJ; Williamson BRJ; Hansen MF, *Radiology* 1986; 161: 447
- radiology of the pancreas: two decades of progress in imaging and intervention, Freeny PC, *AJR* 1988; 150: 975
- real-time ultrasonography of pancreatic pseudocyst: comparison of infected and noninfected pseudocysts, Lee C-M; Chang-Chien C-S; Lin D-Y; et al, *JCU* 1988; 16: 393
- sonographic appearance of the pancreatic duct following transpancreatic septectomy, Braver JM; Jones TB; Brooks JR, *J Ultrasound Med* 1986; 5: 459
- sonographic demonstration of portal venous system thromboses secondary to inflammatory diseases of the pancreas, Zalman M; Van Gansbeke D; Matos C; et al, *Gastrointest Radiol* 1987; 12: 114
- sonographic findings in pancreatic lipomatosis, So CB; Cooperberg PL; Gibney RG; et al, *AJR* 1987; 149: 67
- sonography in patients with a possible pancreatic mass shown on CT, Ormson ML; Charboneau JW; Stepiens DH, *AJR* 1987; 148: 551
- sonography of the pancreatic head aided by water and glucagon, Op den Orth JO, *Radiographics* 1987; 7: 85
- spectrum of sonographic findings in pancreatic carcinoma, Shawker TH; Garra BS; Hill MC; et al, *J Ultrasound Med* 1986; 5: 169
- transection of the pancreas demonstrated by ultrasound and computed tomography, Van Steenberg W; Samain H; Pouillon M; et al, *Gastrointest Radiol* 1987; 12: 128
- ultrasonography and computed tomography in pancreatic malignancy, Pääväsalo M; Lähde S, *Acta Radiol* 1988; 29: 343
- ultrasonography of the pancreatic tail through spleen and through fluid-filled stomach, Pääväsalo M; Suramo I, *Eur J Radiol* 1986; 6: 113
- ultrasound and computed tomography in the evaluation of pancreatic transplantation, Letourneau JG; Maile CW; Sutherland DER; et al, *Radiol Clin North Am* 1987; 25: 345
- ultrasound diagnosis of *Ascaris lumbricoides* in the pancreatic duct: the "four-lines" sign, Price J; Leung JWC, *Br J Radiol* 1988; 61: 411
- ultrasound in acute pancreatic trauma, Jeffrey RB Jr; Laing FC; Wing VW, *Gastrointest Radiol* 1986; 11: 44
- unusual anatomic location of pancreatic masses, Abiri MM; Kirpekar M, *J Ultrasound Med* 1986; 5: 703
- US-guided percutaneous pancreatography: experience in 75 patients, Lees WR; Heron CW, *Radiology* 1987; 165: 809
- value of ultrasonographic examination combined with measurement of serum tumor markers in the diagnosis of pancreatic cancer of less than 3 cm in diameter, (ab), Iishi H; Yamamura H; Tsubota M; et al, *Radiology* 1986; 161: 573
- ### Pancreatic ducts
- carcinoma of the hepatopancreatic ampullary region: role of US, Robledo R; Prieto ML; Pérez M; Camúñez F; Echenagusia A, *Radiology* 1988; 166: 409
- pancreatic duct: US-guided percutaneous opacification, Matter D; Bret PM; Bretagnolle M; Valette PJ; Fond A, *Radiology* 1987; 163: 635
- ultrasound diagnosis of *Ascaris lumbricoides* in the pancreatic duct: the "four-lines" sign, Price J; Leung JWC, *Br J Radiol* 1988; 61: 411
- US-guided percutaneous pancreatography: experience in 75 patients, Lees WR; Heron CW, *Radiology* 1987; 165: 809
- ### Pancreatitis
- acute pancreatitis associated with end-stage renal disease, Van Dyke JA; Rutsky EA; Stanley RJ, *Radiology* 1986; 160: 403
- ascaris-induced pancreatitis, Leung JWC; Mok SD; Metreweli C, *AJR* 1987; 149: 511
- clinicopathologic studies in childhood pancreatitis, (ab), Nguyen T; Abramowsky C; Ashenburg C; et al, *Radiology* 1988; 169: 296
- combination of endoscopic sphincterotomy and percutaneous abscess drainage in the management of complicated biliary pancreatitis, Frost RA; Ramsewak WS; Stevenson GW, *J Canad Assoc Radiol* 1986; 37: 238
- common pancreaticobiliary channels and their relationship to gallstone size in gallstone pancreatitis, (ab), Jones BA; Salsberg BB; Bohnen JM; et al, *Radiology* 1987; 164: 588
- comparison of endoscopic retrograde pancreatography with functional and histologic changes in chronic pancreatitis, Heij HA; Obertop H; van Blankenstein M; et al, *Acta Radiol* 1987; 28: 289
- complicated pancreatic abscesses: problems in interventional management, Steiner E; Mueller PR; Hahn PF; Saini S; Simeone JF; Wittenberg J; Warshaw AL; Ferrucci JT Jr, *Radiology* 1986; 167: 443
- demonstration of bleeding into a pancreatic pseudocyst on a technetium-99m labeled red blood cell scan, Ellison MJ; Thornburg A; Turbner E, *Clin Nucl Med* 1987; 12: 969
- diagnosis and grading of chronic pancreatitis by morphological criteria derived by ultrasound and pancreatography, Jones SN; Lees WR; Frost RA, *Clin Radiol* 1988; 39: 43
- duodenal duplication in the adult: its relationship with pancreatitis, Proccaci C; Fortuete A; Fugazzola C; et al, *Gastrointest Radiol* 1988; 13: 315
- experimental acute pancreatitis: in vitro magnetic resonance characteristics, Tsay D-G; Niederau C; Schmidt H; et al, *Invest Radiol* 1987; 22: 556
- experimental acute pancreatitis: MR relaxation time studies using gadolinium-DTPA, Paajanen H; Brasch RC; Dean PB, *Magn Res Med* 1988; 6: 63
- extrapancreatic spread of acute pancreatitis: new observations with real-time US, Jeffrey RB Jr; Laing FC; Wing VW, *Radiology* 1986; 159: 707
- gastrostomy tube pancreatitis, Panicek DM; Ewing DK; Gottlieb RH; et al, *Pediatr Radiol* 1988; 18: 416
- groove pancreatitis. pathological anatomy and sonographic findings, (ab), Seitz K; Rettenmaier G; Stolte M, *Radiology* 1986; 158: 567
- hepatic artery pseudoaneurysm: diagnosis with real-time and pulsed Doppler US, Falkoff GE; Taylor KJW; Morse SS, *Radiology* 1986; 158: 55
- idiopathic fibrosing pancreatitis: a cause of obstructive jaundice in childhood, Atkinson GO; Jr; Wyly JB; Gay BB Jr; et al, *Pediatr Radiol* 1988; 18: 28
- indium-111 autologous leukocyte imaging in pancreatitis, Anderson JR; Spence RAJ; Laird JD; et al, *J Nucl Med* 1986; 27: 345

- infected pancreatic fluid collections:
percutaneous catheter drainage, Freeny PC; Lewis GP; Traverso LW; Ryan JA, *Radiology* 1988; 167: 435
- ionic and non-ionic contrast media used for contrast-enhanced computed tomography in experimental pancreatitis, Kivisaari L; Nuutinen P; Lehtola A; et al, *Acta Radiol* 1988; 29: 243
- isolated ventral pancreatitis in an alcoholic with pancreas divisum, Brinberg DE; Carr MF Jr; Premkumar A; et al, *Gastrointest Radiol* 1988; 13: 323
- marked hypervascularity and early arteriovenous shunting with portal vein filling in chronic relapsing pancreatitis, Kitagawa K; Takashima T; Matsui O; et al, *Gastrointest Radiol* 1986; 11: 56
- normal and abnormal pancreas in children: US studies, (ab), Siegel MJ; Martin KW; Worthington JL, *Radiology* 1987; 165: 15
- pancreas divisum: congenital anatomic variant or anomaly? contribution of endoscopic retrograde dorsal pancreatography, (ab), Delhaye M; Engelholm L; Cremer M, *Radiology* 1986; 163: 573
- pancreatic abscess: predictive value of early abdominal CT, Vernacchia FS; Jeffrey RB Jr; Federle MP; Grendell JH; Laing FC; Wing VW; Wall SD, *Radiology* 1987; 162: 435
- pancreatic-duct reflux and acute gallstone pancreatitis, (ab), Armstrong CP; Taylor TV, *Radiology* 1987; 162: 586
- pancreatic duct: US-guided percutaneous opacification, Matter D; Bret PM; Bretagnolle M; Valette PJ; Fond A, *Radiology* 1987; 163: 635
- pancreatic lesions and trans fascial perirenal spread: computed tomographic demonstration, Feldberg MAM; Hendriks MJ; van Waas PFGM; et al, *Gastrointest Radiol* 1987; 12: 121
- pancreatic necrosis: CT manifestations, White EM; Wittenberg J; Mueller PR; Simone JF; Butch RJ; Warshaw AL; Neff CC; Nardi GL; Ferrucci JT Jr, *Radiology* 1986; 158: 343
- pancreatitis in childhood: experience with 49 patients, (ab), Ziegler DW; Lung JA; Philippart AJ; et al, *Radiology* 1988; 169: 887
- pancreatitis presenting as pleural effusions: computed tomography demonstration of pleural space extension of pancreatitis exudate, Belfar HL; Radecki PD; Friedman AC; et al, *CT* 1987; 11: 184
- partial biliary obstruction caused by chronic pancreatitis: an appraisal of indications for surgical biliary drainage, (ab), Stahl TJ; Allen MO; Ansel HJ; et al, *Radiology* 1988; 168: 883
- perirenal fluid collection complicating chronic pancreatitis: CT demonstration, Casolo F; Bianco R; Franceschelli N, *Gastrointest Radiol* 1987; 12: 117
- persistent acute pancreatitis: a variant treated by pancreatoduodenectomy, (ab), Rutledge PL; Warshaw AL, *Radiology* 1988; 169: 287
- prognostic value of CT in acute pancreatitis: is the early CT examination indicated?, Balthazar EJ, *Radiology* 1987; 162: 876
- pseudoaneurysm of anomalous right hepatic artery as a cause for hemococcus pancreatitis, Rao RCK; Kumar A; Berry M, *Gastrointest Radiol* 1987; 12: 313
- pseudoaneurysms complicating pancreatitis: detection by CT, Burke JW; Erickson SJ; Kellum CD; Tegtmeyer CJ; Williamson BRJ; Hansen MF, *Radiology* 1986; 161: 447
- pseudoaneurysm with rupture in pancreatic pseudocyst wall as demonstrated by computed tomography, Kittredge KD; Gordon RB, *CT* 1987; 11: 35
- renal fascial pathway: posterior extension of pancreatic effusions within the anterior pararenal space, Raptopoulos V; Kleinman PK; Marks S Jr; Snyder M; Silverman PM, *Radiology* 1986; 158: 367
- rupture of the spleen by penetration of pancreatic pseudocysts, Scherer K; Kramann B, *Eur J Radiol* 1987; 7: 67
- severe acute pancreatitis after percutaneous biopsy of the pancreas, Mueller PR; Miketic LM; Simone JF; et al, *AJR* 1988; 151: 493
- "shrunken" pancreas: a morphological variant of idiopathic chronic pancreatitis, Bulgin O; Manning A; Lintott D; et al, *Br J Radiol* 1987; 60: 543
- sonographic demonstration of portal venous system thromboses secondary to inflammatory diseases of the pancreas, Zaicman M; Van Gansbeke D; Matos C; et al, *Gastrointest Radiol* 1987; 12: 114
- subacute subcapsular hematoma of the spleen complicating pancreatitis: successful percutaneous drainage, Vyborny CJ; Merrill TN; Reda J; Geurkink RE; Smith SJ, *Radiology* 1988; 169: 161
- ultrasound diagnosis of *Ascaris lumbricoides* in the pancreatic duct: the "four-lines" sign, Price J; Leung JWC, *Br J Radiol* 1988; 61: 411
- US-guided percutaneous pancreatography: experience in 75 patients, Lees WR; Heron CW, *Radiology* 1987; 165: 809
- Pancreatography**
See Pancreas, radiography
- Papilledema**
optic hydrops: isolated nerve sheath dilation demonstrated by CT, Jinkins JR, *AJNR* 1987; 8: 867
- "papilledema": neuroradiologic evaluation of optic disk protrusion with dynamic orbital CT, Jinkins JR, *AJNR* 1987; 8: 681
- Papilloma**
biliary obstruction caused by a papilloma of the common hepatic duct, Cardoza J; Schumpff J; Skoldebrand C; et al, *J Ultrasound Med* 1988; 7: 467
- computed tomography in pulmonary papillomatosis, Oleszczuk-Raszke K; Cremin BJ, *Br J Radiol* 1988; 61: 160
- interventricular extension of choroid plexus papillomas, Hopper KD; Foley LC; Nieves NL; et al, *AJNR* 1987; 8: 469
- inverted papilloma: an uncommon benign cause of a ureteral filling defect, Corkill M; Strigley J; Graham R; et al, *Urol Radiol* 1987; 9: 164
- inverted papilloma: considerations in treatment, (ab), Woodson GE; Robbins KT; Michaels L, *Radiology* 1986; 161: 863
- laryngeal papillomatosis, Clements R; Gravelle IH, *Clin Radiol* 1986; 37: 547
- transitional cell papilloma of the bladder, Williams JL; Cumming WA; Walker RD III; et al, *Pediatr Radiol* 1986; 16: 322
- ultrasound detection of a choroid plexus papilloma of the third ventricle, Krul JM; Cookens RH; Ramos L; et al, *J Neuroradiol* 1987; 14: 179
- Paraganglioma**
case report: CT of a duodenal paraganglioma, Alpern MB; Sandler MA, *Comput Med Imag Graph* 1988; 12: 321
- chemodectoma of the temporal bone: a comparison of surgical and radiotherapeutic results, Wang M-L; Hussey DH; Doornbos JF; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 643
- extradural metastases from paragangliomas, report of two cases, Parnell AP; Dick DJ, *Clin Radiol* 1988; 39: 65
- general case of the day: annual meeting, 1985, Muhm JR, *Radiographics* 1986; 6: 914
- glomus tympanicum chemodectomas: radiographic and clinical characteristics, Larson TC III; Reese DF; Baker HL Jr; McDonald TJ, *Radiology* 1987; 163: 801
- high resolution computed tomography in the evaluation of glomus tumours of the petrous temporal bone, Grattan-Smith JD; Doust BD; Fagan PA, *Australas Radiol* 1988; 32: 190
- intracranial catecholamine secreting paragangliomas, Nelson MD; Kendall BE, *Neuroradiol* 1987; 29: 277
- laryngeal paraganglioma: update on diagnosis and treatment, (ab), Konowitz PM; Lawson W; Som P; et al, *Radiology* 1988; 168: 888
- localization and treatment of familial malignant nonfunctional paraganglioma with iodine-131 MIBG: report of two cases, Khafagi F; Egerton-Vernon J; van Doorn T; et al, *J Nucl Med* 1987; 28: 528
- mediastinal paraganglioma: radiologic evaluation of an unusual vascular tumor, Drucker EA; McCloud TC; Dedrick CG; et al, *AJR* 1987; 148: 521
- MR imaging of paragangliomas, Olsen WL; Dillon WP; Kelly WM; et al, *AJNR* 1986; 7: 1039
- paraganglioma metastatic to the cervical spine, Osborn RE; Mojtahedi S, *Comput Radiol* 1986; 4: 167
- pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, Quint LE; Glazer GM; Francis IR; Shapiro B; Chenevert TL, *Radiology* 1987; 165: 89
- preoperative embolization of the head and neck: indications, patient selection, goals, and precautions, Valavanis A, *AJNR* 1986; 7: 943
- ultrasonographic appearances of glomus vagale tumour, Raby N, *Br J Radiol* 1988; 61: 246
- uptake of iodine-123 MIBG by pheochromocytomas, paragangliomas, and neuroblastomas: histopathological comparison, Bomanji J; Levison DA; Flatman WD; et al, *J Nucl Med* 1987; 28: 973
- Paralysis**
computed tomographic changes in juvenile hemiplegia, Kolawole TM; Patel PJ; Mahdi AH, *Comput Radiol* 1987; 11: 125
- computed tomographic studies of the basis pedunculi in chronic hemiplegic patients: topographic correlation between cerebral lesion and midbrain shrinkage, Warabi T; Miyasaka K; Inoue K; et al, *Neuroradiol* 1987; 29: 409
- double cortical line in the acetabular roof: a sign of disuse osteoporosis, Yagan R; Radiovoyevitch M; Khan MA, *Radiology* 1987; 165: 171
- double cortical line in the acetabular roof: a sign of disuse osteoporosis, Watt JH, *Radiology* 1988; 167: 873
- double cortical line in the acetabular roof: a sign of disuse osteoporosis: reply, Yagan R; Radiovoyevitch MA; Khan MA, *Radiology* 1988; 167: 873
- hemiparesis caused by vertebral artery compression of the medulla oblongata, (ab), Kim P; Ishijima B; Takahashi H; et al, *Radiology* 1986; 158: 284
- milk-of-calcium hydronephrosis in patients with paraplegia and urinary-enteric diversion: CT demonstration, Sussman SK; Goldberg RP; Griscam NT, *JCAT* 1986; 10: 257
- neuro-Behcet's disease with alternating hemiparesis, Kuroiwa Y; Tohgi H; Kanayama H; et al, *Neuroradiol* 1986; 28: 284
- phrenic nerve paralysis after pediatric cardiac surgery, (ab), Watanabe T; Trusler GA; Williams WG; et al, *Radiology* 1988; 168: 296
- spinal neuroarthropathy after traumatic paraplegia, Crim JR; Bassett LW; Gold RH; et al, *AJNR* 1988; 9: 359
- trabecular bone mineral density measurement in vivo, Lillcrap S; Scott J, *Radiology* 1988; 166: 283
- trabecular bone mineral density measurement in vivo: reply, Shukla SS; Craven JD; Greenfield MA, *Radiology* 1988; 166: 283
- trabecular bone mineral density measurement in vivo: use of the ratio of coherent to Compton-scattered photons in the calcaneus, Shukla SS; Leichter I; Karellas A; Craven JD; Greenfield MA, *Radiology* 1986; 158: 695
- ultrasonography of the peroneal nerve muscle group in normal subjects and patients with peroneal paresis, Boonstra AM; van Weerden TW; te Strake L; et al, *JCU* 1988; 16: 17
- Paranasal sinuses**
acute sinusitis mimicking antrochoanal polyp, Nino-Murcia M; Rao VM; Mikaelian DO; et al, *AJNR* 1986; 7: 513
- paranasal sinus hemorrhage: evaluation with MR imaging, Zimmerman RA; Bilaniuk LT; Hackney DB; Goldberg HI; Grossman RI, *Radiology* 1987; 162: 499
- special radiologic imaging of paranasal sinuses: a prerequisite for functional endoscopic sinus surgery, Kopp W; Stammberger H; Fotter R, *Eur J Radiol* 1988; 8: 153
- Paranasal sinuses, abnormalities**
incidental paranasal sinus abnormalities on CT of children: clinical correlation, Glasier CM; Ascher DP; Williams KD, *AJNR* 1986; 7: 861
- occult sinus abnormalities in the asthmatic patient, (ab), Schwartz HJ; Thompson JS; Sher TH; et al, *Radiology* 1988; 167: 888

Paranasal sinuses, abnormalities

- pneumosis dilans of the sphenoid sinus, Reicher MA; Bentson JR; Halbach VV; et al, *AJNR* 1986; 7: 865
- Paranasal sinuses, anatomy**
- nasofrontal duct: CT in frontal sinus trauma, Harris L; Marano GD; McCorkle D, *Radiology* 1987; 165: 195
- opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors, Silver AJ; Baredes S; Bello JA; Blitzer A; Hilal SK, *Radiology* 1987; 163: 205
- Paranasal sinuses, CT**
- computed tomographic diagnosis of septic sinus thrombosis and their complications, de Slegte RGM; Kaiser MC; van der Baan S; et al, *Neuroradiol* 1988; 30: 160
- computed tomography in hematologic malignancies of paranasal sinuses, Yang PJ; Carmody RF; Seeger JF, *JCAT* 1986; 10: 1003
- computed tomography of osteogenic sarcoma of nasal cavity and paranasal sinuses, Oot RF; Parizel PM; Weber AL, *JCAT* 1986; 10: 409
- computerized tomography in conditions concomitantly involving the orbits and the paranasal sinuses, Reider-Groswasser I; Solomon A; Zikk D; et al, *Comput Radiol* 1986; 10: 119
- CT appearance distinguishing benign nasal polyps from malignancies, Som PM; Sacher M; Lawson W; et al, *JCAT* 1987; 11: 129
- CT in the evaluation of the normal and diseased paranasal sinuses, Harnsberger HR; Osborn AG; Smoker WRK, *Semin US CT MR* 1986; 7: 68
- ethmoid sinus disease: CT evaluation in 400 cases, part I. nonsurgical patients, Som PM; Lawson W; Biller HF; Lanzieri CF, *Radiology* 1986; 159: 591
- ethmoid sinus disease: CT evaluation in 400 cases, part II. postoperative findings, Som PM; Lawson W; Biller HF; Lanzieri CF, *Radiology* 1986; 159: 599
- ethmoid sinus disease: CT evaluation in 400 cases, part III. craniofacial resection, Som PM; Lawson W; Biller HF; Lanzieri CF; Sachdev VP; Rigamonti D, *Radiology* 1986; 159: 605
- extramedullary plasmacytoma of the sinonasal cavities: CT evaluation, Kondo M; Hashimoto S; Inuyama Y; et al, *JCAT* 1986; 10: 841
- hyperostotic esthesioneuroblastoma: CT and MR findings, Regenbogen VS; Zinreich SJ; Kim KS; et al, *JCAT* 1988; 12: 52
- incidental paranasal sinus abnormalities on CT of children: clinical correlation, Glasier CM; Ascher DP; Williams KD, *AJNR* 1987; 8: 861
- nasofrontal duct: CT in frontal sinus trauma, Harris L; Marano GD; McCorkle D, *Radiology* 1987; 165: 195
- opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors, Silver AJ; Baredes S; Bello JA; Blitzer A; Hilal SK, *Radiology* 1987; 163: 205
- paranasal sinuses: CT imaging requirements for endoscopic surgery, Zinreich SJ; Kennedy DW; Rosenbaum AE; Gayler BW; Kumar AJ; Stammberger H, *Radiology* 1987; 163: 769
- paranasal sinus involvement in thalassemia major: CT demonstration, Smithson LV; Lipper MH; Hall JA Jr, *AJNR* 1987; 8: 564
- prevalence of incidental paranasal sinuses opacification in pediatric patients: a CT study, Diamant MJ; Senac MO Jr; Gilsanz V; et al, *JCAT* 1987; 11: 426
- x-ray and CT findings of a giant intracranial mucocele, Konig H-J; Krahling KH; Brandt M, *Neuroradiol* 1986; 28: 283
- Paranasal sinuses, diseases**
- CT in the evaluation of the normal and diseased paranasal sinuses, Harnsberger HR; Osborn AG; Smoker WRK, *Semin US CT MR* 1986; 7: 68
- cystic fibrosis in childhood: pulmonary, paranasal sinus, and skeletal manifestations, Amodio JB; Berdon WE; Abramson SJ; et al, *Semin Roentgenol* 1987; 22: 125
- dilemmas in the management of chronic nasal and sinus inflammatory diseases of unknown etiology, (ab), Duncavage JA; Durkin GE; Lehman RH; et al, *Radiology* 1986; 161: 286
- ethmoid sinus disease: CT evaluation in 400 cases, part I. nonsurgical patients, Som PM; Lawson W; Biller HF; Lanzieri CF, *Radiology* 1986; 159: 591
- ethmoid sinus disease: CT evaluation in 400 cases, part II. postoperative findings, Som PM; Lawson W; Biller HF; Lanzieri CF, *Radiology* 1986; 159: 599
- ethmoid sinus disease: CT evaluation in 400 cases, part III. craniofacial resection, Som PM; Lawson W; Biller HF; Lanzieri CF; Sachdev VP; Rigamonti D, *Radiology* 1986; 159: 605
- extramedullary plasmacytoma of the sinonasal cavities: CT evaluation, Kondo M; Hashimoto S; Inuyama Y; et al, *JCAT* 1986; 10: 841
- giant ivory osteoma of frontal sinus, Bushan B; Watal G; Ahmed A; et al, *Australas Radiol* 1987; 31: 306
- Hodgkin disease of the maxillary sinus, Shlansky-Goldberg RD; Rao VM; Choi HY; et al, *JCAT* 1988; 12: 507
- invasive basal cell carcinoma with secondary giant mucocele formation, Jinkins JR, *Neuroradiol* 1987; 29: 211
- maligant tumors of the nasal cavity and ethmoid and sphenoid sinuses, Parsons JT; Mendenhall WM; Mancuso AA; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 11
- opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors, Silver AJ; Baredes S; Bello JA; Blitzer A; Hilal SK, *Radiology* 1987; 163: 205
- sinonasal tumors and inflammatory tissues: differentiation with MR imaging, Som PM; Shapiro MD; Biller HF; Sasaki C; Lawson W, *Radiology* 1988; 167: 803
- treatment of malignant tumours of the maxillary antrum, Backhouse TW, *Clin Radiol* 1986; 37: 179
- Paranasal sinuses, radiography**
- pneumatization of the maxillary sinus in normal and symptomatic children, Odita JC; Akamaguna AI; Ogisi FO; et al, *Pediatr Radiol* 1986; 16: 365
- radiography and ultrasonography in paranasal sinusitis, Jensen C; von Sydow C, *Acta Radiol* 1987; 28: 31
- Paranasal sinuses, radionuclide studies**
- focus of recurrent septicemia due to Klebsiella ozena detected by indium leukocyte scintigraphy, Kennedy JF; O'Connor MK; Humphrey H; et al, *Clin Nucl Med* 1987; 12: 326
- Paranasal sinuses, surgery**
- dacryocystography after paranasal sinus surgery, Hunink MGM; de Vries-Knoppert WAEL; Balm AJM; et al, *Br J Radiol* 1988; 61: 362
- ethmoid sinus disease: CT evaluation in 400 cases, part II. postoperative findings, Som PM; Lawson W; Biller HF; Lanzieri CF, *Radiology* 1986; 159: 599
- ethmoid sinus disease: CT evaluation in 400 cases, part III. craniofacial resection, Som PM; Lawson W; Biller HF; Lanzieri CF; Sachdev VP; Rigamonti D, *Radiology* 1986; 159: 605
- nasofrontal duct: CT in frontal sinus trauma, Harris L; Marano GD; McCorkle D, *Radiology* 1987; 165: 195
- paranasal sinuses: CT imaging requirements for endoscopic surgery, Zinreich SJ; Kennedy DW; Rosenbaum AE; Gayler BW; Kumar AJ; Stammberger H, *Radiology* 1987; 163: 769
- radiological appearance of the post-Sadwell-Luc maxillary sinus, Unger JM; Dennison BF; Duncavage JA; et al, *Clin Radiol* 1986; 37: 77
- Paranasal sinuses, therapeutic radiology**
- anterior eye protection with orbital neoplasia, Hancock SL, *Int J Radiat Oncol Biol Phys* 1986; 12: 123
- hyperfractionated photon radiation therapy in the treatment of advanced squamous cell carcinoma of the oral cavity, pharynx, larynx, and sinuses, using radiation therapy as the only planned modality: (preliminary report) by the Radiation Therapy Oncology Group (RTOG), Marcial VA; Pajak TF; Chang C; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 41
- polymorphic reticulosis limited to the upper aerodigestive tract—natural history and radiotherapeutic considerations, Smalley SR; Cupps RE; Anderson JA; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 599
- treatment of malignant tumours of the maxillary antrum, Backhouse TW, *Clin Radiol* 1986; 37: 179
- Paranasal sinuses, US studies**
- gray-scale (B-mode) sonography of the maxillary sinus, Nelson AW; Reed HT; Haney FJ; et al, *J Ultrasound Med* 1986; 5: 477
- radiography and ultrasonography in paranasal sinusitis, Jensen C; von Sydow C, *Acta Radiol* 1987; 28: 31
- Parapharyngeal space**
- See Pharynx
- Paraplegia**
- See Paralysis
- Parasites**
- abdominal hydatid disease: US findings during medical treatment, Bezzi M; Teggi A; De Rosa F; Capozzi A; Tucci G; Bonifacio A; Angelini L, *Radiology* 1987; 162: 91

- anisakiasis confirmed by radiography of the large intestine, Higashi M; Tanaka K; Kitada T; et al, *Gastrointest Radiol* 1988; 13: 85
- cerebral sparganosis: CT characteristics, Chang KH; Cho SY; Chi JG; Kim WS; Han MC; Kim C-W; Myung H; Choi KS, *Radiology* 1987; 165: 505
- computed tomography of hepatic fascioliasis, Serrano MAP; Vega A; Ortega E; et al, *JCAT* 1987; 11: 269
- CT findings of cerebral paragonimiasis in the chronic state, Uda K; Okuda B; Okada M; et al, *Neuroradiol* 1988; 30: 31
- magnetic resonance imaging of parasitic tapeworm larvae *Taenia crassiceps* cysticerci in the peritoneal cavity of mice, Haselgrove J; Grun J; Owen CS; et al, *Magn Res Med* 1987; 4: 517
- percutaneous aspiration and drainage of hydatid cysts in the liver, Bret PM; Fond A; Bretagnolle M; Valette P; Thiesse P; Lambert R; Labadie M, *Radiology* 1988; 168: 617
- spinal involvement in alveolar echinococcosis: assessment of two cases, Claudon M; Bracard S; Planat F; Regent D; Bernadac P; Picard L, *Radiology* 1987; 162: 571
- Parathyroid, abnormalities**
- ectopic parathyroid gland: localization with thallium-201 SPECT, Ziffer JA; Fajman WA, *Clin Nucl Med* 1987; 12: 617
- MR demonstration of bilateral intrathyroidal parathyroid glands, Kang EH; Schiebler ML; Geffer WB; et al, *JCAT* 1988; 12: 349
- parathyroid variants: US evaluation, Randal SB; Gooding GAW; Clark OH; Stein RM; Winkler B, *Radiology* 1987; 165: 191
- Parathyroid, angiography**
- angiographic ablation of parathyroid adenomas: lessons from a 10 year experience, Miller DL; Doppman JL; Chang R; Simmons JT; O'Leary TJ; Norton JA; Spiegel AM; Marx SJ; Aurbach GD, *Radiology* 1987; 165: 601
- selective intraarterial DSA of the parathyroid glands in patients with hyperparathyroidism after parathyroidectomy, Lacombe P; Foster D; Dubost C; et al, *AJR* 1987; 149: 479
- Parathyroid, biopsy**
- ultrasonically guided fine needle aspiration of suggested enlarged parathyroid glands, Karstrup S; Glenthoj A; Torp-Pedersen S; et al, *Acta Radiol* 1988; 29: 213
- ultrasonically guided fine-needle biopsy for histological sampling of suspect parathyroid tissue, Karstrup S; Glenthoj A; Torp-Pedersen S; et al, *Br J Radiol* 1986; 59: 507
- Parathyroid, CT**
- 1.5 T MRI, CT, ultrasonography and scintigraphy in hyperparathyroidism, von Schulthess GK; Weder W; Goebel N; et al, *Eur J Radiol* 1988; 8: 157
- CT evaluation of parathyroid adenomas: diagnostic criteria and pitfalls, Cates JD; Thorsen MK; Lawson TL; et al, *JCAT* 1988; 12: 626
- parathyroid adenomas: computed tomographic imaging and the importance of preoperative localization, Awwad EE; Archer CR; Krebs FJ, *Comput Med Imag Graph* 1988; 12: 305
- Parathyroid, cysts**
- nonfunctioning cystic disease of the parathyroid, Harada T; Shimaoka K; Okamura Y; et al, *Clin Nucl Med* 1987; 12: 929
- parathyroid cyst with adenoma on thallium-201/technetium-99m subtraction imaging, Joo KG; Baemler GR, *Clin Nucl Med* 1987; 12: 319
- Parathyroid, hyperparathyroidism**
- 1.5 T MRI, CT, ultrasonography and scintigraphy in hyperparathyroidism, von Schulthess GK; Weder W; Goebel N; et al, *Eur J Radiol* 1988; 8: 157
- abnormal parathyroid glands: high-resolution MR imaging, Spritzer CE; Geffer WB; Hamilton R; Greenberg BM; Axel L; Kressel HY, *Radiology* 1987; 162: 487
- angiographic ablation of parathyroid adenomas: lessons from a 10 year experience, Miller DL; Doppman JL; Chang R; Simmons JT; O'Leary TJ; Norton JA; Spiegel AM; Marx SJ; Aurbach GD, *Radiology* 1987; 165: 601
- bone mineral changes in primary hyperparathyroidism, Richardson ML; Pozzi-Mucelli RS; Kanter AS; et al, *Skeletal Radiol* 1986; 15: 85
- Breast calcifications in renal hyperparathyroidism, Sommer G; Kopsa H; Zazgornik J; et al, *AJR* 1987; 148: 855
- case of the month: case of the missing sign, Wagener G; Sandler M; Hough FS, *Br J Radiol* 1986; 59: 287
- concomitant thyroid disease in hyperparathyroidism: reasons for unsatisfactory ultrasonographical localization of parathyroid glands, Karstrup S; Hegedus L, *Eur J Radiol* 1986; 6: 149
- diagnosis of recurrent hyperparathyroidism: comparison of MR imaging and other imaging techniques, Auffermann W; Gooding GAW; Okerlund MD; et al, *AJR* 1988; 150: 1027
- dual isotope parathyroid imaging, Maslack MM; Broske RJ, *Clin Nucl Med* 1986; 11: 622
- high-resolution MR imaging of abnormal parathyroid glands, Sandler MP, *Radiology* 1988; 166: 582
- high-resolution MR imaging of abnormal parathyroid glands: reply, Spritzer CE, *Radiology* 1988; 166: 582
- hyperparathyroidism: comparison of MR imaging with radionuclide scanning, Peck WW; Higgins CB; Fisher MR; Ling M; Okerlund MD; Clark OH, *Radiology* 1987; 163: 415
- localization of abnormal parathyroid gland(s) using thallium-201/iodine-123 subtraction scintigraphy in patients with primary hyperparathyroidism, Picard D; D'Amour P; Carrier L; et al, *Clin Nucl Med* 1987; 12: 60
- MR imaging with surface coils in primary hyperparathyroidism, Kier R; Blinder RA; Herfkens RJ; et al, *JCAT* 1987; 11: 863
- parathyroid imaging: comparison of double-tracer (Tl-201, Tc-99m) scintigraphy and high-resolution US, Gooding GAW; Okerlund MD; Stark DD; Clark OH, *Radiology* 1986; 161: 57
- parathyroid imaging: its current status and future role, Fine EJ, *Semin Nucl Med* 1987; 17: 350
- parathyroid variants: US evaluation, Randal SB; Gooding GAW; Clark OH; Stein RM; Winkler B, *Radiology* 1987; 165: 191
- patient with primary hyperparathyroidism and an abnormal bone scan, Van Leendert RJM; Flendrig JA, *Clin Nucl Med* 1986; 11: 701
- quantitative bone scintigraphy in patients with hyperparathyroidism, Brecht-Krauss D; Kusmirek J; Hellwig D; et al, *J Nucl Med* 1987; 28: 458
- role of routine intravenous urography in patients with primary hyperparathyroidism, Hine AL; Heron CW; Thakker RV; et al, *Clin Radiol* 1987; 38: 411
- role of ultrasonography in the evaluation of primary hyperparathyroidism, (ab), Dwarakanathan AA; Sacalides TJ; Witt TR; et al, *Radiology* 1987; 163: 591
- selective intraarterial DSA of the parathyroid glands in patients with hyperparathyroidism after parathyroidectomy, Lacombe P; Foster D; Dubost C; et al, *AJR* 1987; 149: 479
- sonography for early diagnosis of enlarged parathyroid glands in patients with secondary hyperparathyroidism, Takebayashi S; Matsui K; Onohara Y; et al, *AJR* 1987; 148: 911
- Parathyroid, hypoparathyroidism**
- evidence on computed tomography of pseudotumour cerebri in hypoparathyroidism, Mor F; Wyszynski AJ, *Br J Radiol* 1988; 61: 158
- Kenny syndrome: evidence for idiopathic hypoparathyroidism in two patients and for abnormal parathyroid hormone in one, (ab), Fanconi S; Fischer JA; Wieland P; et al, *Radiology* 1987; 164: 888
- Parathyroid, MR studies**
- 1.5 T MRI, CT, ultrasonography and scintigraphy in hyperparathyroidism, von Schulthess GK; Weder W; Goebel N; et al, *Eur J Radiol* 1988; 8: 157
- abnormal parathyroid glands: high-resolution MR imaging, Spritzer CE; Geffer WB; Hamilton R; Greenberg BM; Axel L; Kressel HY, *Radiology* 1987; 162: 487
- diagnosis of recurrent hyperparathyroidism: comparison of MR imaging and other imaging techniques, Auffermann W; Gooding GAW; Okerlund MD; et al, *AJR* 1988; 150: 1027
- enlarged parathyroid glands: high-resolution local coil MR imaging, Kneeland JB; Kruback AJ; Lawson TL; Wilson SD; Collier BD; Fronczak W; Jesmanowicz A; Hyde JS, *Radiology* 1987; 162: 143
- high-resolution MR imaging of abnormal parathyroid glands, Sandler MP, *Radiology* 1988; 166: 582
- high-resolution MR imaging of abnormal parathyroid glands: reply, Spritzer CE, *Radiology* 1988; 166: 582
- hyperparathyroidism: comparison of MR imaging with radionuclide scanning, Peck WW; Higgins CB; Fisher MR; Ling M; Okerlund MD; Clark OH, *Radiology* 1987; 163: 415
- MR demonstration of bilateral intrathyroidal parathyroid glands, Kang EH; Schiebler ML; Geffer WB; et al, *JCAT* 1988; 12: 349
- MR imaging with surface coils in primary hyperparathyroidism, Kier R; Blinder RA; Herfkens RJ; et al, *JCAT* 1987; 11: 863
- MRI with surface coils for parathyroid tumors: preliminary investigation, Kier R; Herfkens RJ; Blinder RA; et al, *AJR* 1986; 147: 497
- Parathyroid, neoplasms**
- abnormal parathyroid glands: high-resolution MR imaging, Spritzer CE; Geffer WB; Hamilton R; Greenberg BM; Axel L; Kressel HY, *Radiology* 1987; 162: 487
- angiographic ablation of parathyroid adenomas: lessons from a 10 year experience, Miller DL; Doppman JL; Chang R; Simmons JT; O'Leary TJ; Norton JA; Spiegel AM; Marx SJ; Aurbach GD, *Radiology* 1987; 165: 601
- CT evaluation of parathyroid adenomas: diagnostic criteria and pitfalls, Cates JD; Thorsen MK; Lawson TL; et al, *JCAT* 1988; 12: 626
- demonstration of simultaneous thyroid and parathyroid adenoma, situated in the same anatomic level, Garty I; Riescu J; Rosen G, *Clin Nucl Med* 1986; 11: 430
- dual tracer imaging for localization of parathyroid lesions, Park CH; Intenzo C; Cohn HE, *Clin Nucl Med* 1986; 11: 237
- high-resolution MR imaging of abnormal parathyroid glands, Sandler MP, *Radiology* 1988; 166: 582
- high-resolution MR imaging of abnormal parathyroid glands: reply, Spritzer CE, *Radiology* 1988; 166: 582
- hyperparathyroidism: comparison of MR imaging with radionuclide scanning, Peck WW; Higgins CB; Fisher MR; Ling M; Okerlund MD; Clark OH, *Radiology* 1987; 163: 415
- I-131 metaiodobenzylguanidine uptake in a parathyroid adenoma, Hayward RS; Bowering CK; Warshawski RS, *Clin Nucl Med* 1988; 13: 632
- intrathyroidal parathyroid adenoma: preoperative identification and localization by parathyroid imaging, Al-Suhaili AR; Lynn J; Lavender JP, *Clin Nucl Med* 1988; 13: 512
- localization of parathyroid adenomas in patients who have undergone surgery. part I. noninvasive imaging methods, Miller DL; Doppman JL; Shawker TH; Krudy AG; Norton JA; Vucich JJ; Morrish KA; Marx SJ; Spiegel AM; Aurbach GD, *Radiology* 1987; 162: 133
- localization of parathyroid adenomas in patients who have undergone surgery. part II. invasive procedures, Miller DL; Doppman JL; Krudy AG; Shawker TH; Norton JA; Vucich JJ; Morrish KA; Marx SJ; Spiegel AM; Aurbach GD, *Radiology* 1987; 162: 138
- localization of parathyroid adenomas in patients who have undergone surgery, Winzelberg GG; Hydovitz JD, *Radiology* 1987; 163: 828
- MRI with surface coils for parathyroid tumors: preliminary investigation, Kier R; Herfkens RJ; Blinder RA; et al, *AJR* 1986; 147: 497

Parathyroid, neoplasms

- parathyroid adenoma imaged by gallium-67 citrate: a case report, Katagiri M; Harada T; Kawano R; et al, *Clin Nucl Med* 1987; 12: 788
- parathyroid adenomas: computed tomographic imaging and the importance of preoperative localization, Awad EE; Archer CR; Krebs FJ, *Comput Med Imag Graph* 1988; 12: 305
- parathyroid carcinoma: high-frequency sonographic features, Edmonson GR; Charboneau JW; James EM; Reading CC; Grant CS, *Radiology* 1986; 161: 65
- parathyroid carcinoma visualized by gallium-67 citrate scintigraphy, Iwase M; Shimizu Y; Kitahara H; et al, *J Nucl Med* 1986; 27: 63
- parathyroid cyst with adenoma on thallium-201/technetium-99m subtraction imaging, Joo KG; Baemler GR, *Clin Nucl Med* 1987; 12: 319
- parathyroid imaging: comparison of double-tracer (Tl-201, Tc-99m) scintigraphy and high-resolution US, Gooding GAW; Okerlund MD; Stark DD; Clark OH, *Radiology* 1986; 161: 57
- parathyroid imaging: its current status and future role, Fine EJ, *Semin Nucl Med* 1987; 17: 350
- preoperative parathyroid localization by superimposed iodine-131 toluidine blue and technetium-99m pertechnetate imaging, Zwas ST; Czerniak A; Boruchowsky S; et al, *J Nucl Med* 1987; 28: 298
- prevention of motion artifacts on dual isotope subtraction parathyroid scintigraphy, Conte FA; Orzel JA; Weiland FL; et al, *J Nucl Med* 1987; 28: 1335
- quantitative autoradiography of parathyroid glands in rats with carbon-14-labeled amino acids, Wortman JA; Alavi A; Attie M; et al, *J Nucl Med* 1987; 28: 1447
- scintigraphic demonstration of an ectopic parathyroid adenoma, Satz E; Oates E, *Clin Nucl Med* 1988; 13: 130
- thallium 201 ^{99m}Tc parathyroid subtraction scintigraphy of the neck: single area of increased thallium uptake, Winzelberg GG, *Semin Nucl Med* 1987; 17: 273
- thallium 201 ^{99m}Tc parathyroid subtraction scintigraphy of the neck: multiple areas of increased thallium uptake, Winzelberg GG, *Semin Nucl Med* 1987; 17: 276
- thallium 201 ^{99m}Tc parathyroid subtraction scintigraphy of the mediastinum, Winzelberg GG, *Semin Nucl Med* 1987; 17: 278
- thallium-technetium parathyroid scan: useful noninvasive technique for localization of abnormal parathyroid tissue, (ab), Manni A; Basarab RM; Plourde PV; et al, *Radiology* 1986; 161: 576
- Parathyroid, US studies**
- concomitant thyroid disease in hyperparathyroidism: reasons for unsatisfactory ultrasonographic localization of parathyroid glands, Karstrup S; Hegedus L, *Eur J Radiol* 1986; 6: 149
- parathyroid carcinoma: high-frequency sonographic features, Edmonson GR; Charboneau JW; James EM; Reading CC; Grant CS, *Radiology* 1986; 161: 65
- parathyroid imaging: comparison of double-tracer (Tl-201, Tc-99m) scintigraphy and high-resolution US, Gooding GAW; Okerlund MD; Stark DD; Clark OH, *Radiology* 1986; 161: 57
- parathyroid sonography: diagnostic accuracy related to shape, location and texture of the gland, Graif M; Itzhak Y; Strauss S; et al, *Br J Radiol* 1987; 60: 439
- parathyroid variants: US evaluation, Randel SB; Gooding GAW; Clark OH; Stein RM; Winkler B, *Radiology* 1987; 165: 191
- role of ultrasonography in the evaluation of primary hyperparathyroidism, (ab), Dwarakanathan AA; Saclardes TJ; Witt TR; et al, *Radiology* 1987; 163: 591
- simulation of the normal esophagus by a parathyroid adenoma, Ngo C; Sarti DA, *JCU* 1987; 15: 421
- sonography for early diagnosis of enlarged parathyroid glands in patients with secondary hyperparathyroidism, Takebayashi S; Matsui K; Onohara Y; et al, *AJR* 1987; 148: 911
- Paresis**
- See Paralysis
- Parkinson disease**
- brain iron in patients with Parkinson disease: MR visualization using gradient modification, Norrby JF; Chiaradonna NL; Heiser WJ; et al, *AJNR* 1988; 9: 237
- [¹¹C]MPTP: potential tracer for Parkinson's disease research in laboratory animals, Livni E; Spellman JP; Correia JA; et al, *J Nucl Med* 1986; 27: 1600
- computed tomography brain changes in Parkinsonian dementia, Inzelberg R; Treves T; Reider I; et al, *Neuroradiol* 1987; 29: 535
- imaging of the aging brain: part II. pathologic conditions, Drayer BP, *Radiology* 1988; 166: 797
- multiple system atrophy (Shy-Drager syndrome): MR imaging, Pastakia B; Polinsky R; Di Chiro G; Simmons JT; Brown R; Wener L, *Radiology* 1986; 159: 499
- Parkinson plus syndrome: diagnosis using high field MR imaging of brain iron, Drayer BP; Olanow W; Burger P; Johnson GA; Herfkens R; Riederer SJ, *Radiology* 1986; 159: 493
- Parotid gland**
- benign parotid diseases of childhood, (ab), Wright GL; Smith RJH; Katz CD; et al, *Radiology* 1986; 159: 823
- unusual case of otorrhea due to parotid salivary fistula, Janke PG; Rivron RP, *Br J Radiol* 1988; 61: 509
- Parotid gland, CT**
- benign and malignant parotid pleomorphic adenomas: CT and MR studies, Som PM; Shugar JMA; Sacher M; et al, *JCAT* 1988; 12: 65
- benign lymphoepithelial parotid cysts and hyperplastic cervical adenopathy in AIDS-risk patients: a new CT appearance, Holliday RA; Cohen WA; Schinella RA; Rothstein SG; Persky MS; Jacobs JM; Som PM, *Radiology* 1988; 168: 439
- comparison of computed tomography and ultrasound in the assessment of parotid masses, Whyte AM; Byrne JV, *Clin Radiol* 1987; 38: 339
- computed tomography for parotid neoplasia: a new look, Swartz JD; Nunnally JF; Marlowe FI; et al, *CT* 1987; 11: 239
- differentiating tumours of the deep and superficial lobes of the parotid gland by computed tomographic sialography, Smith JRG; King WWK; Tang WYM; et al, *Clin Radiol* 1987; 38: 345
- evaluation of NMR versus CT for parotid masses: preliminary report, (ab), Schaefer SD; Maravilla KR; Close LG; et al, *Radiology* 1986; 159: 823
- parotid masses: MR imaging, Mandelblatt SM; Braun IF; Davis PC; Fry SM; Jacobs LH; Hoffman JC Jr, *Radiology* 1987; 163: 411
- separation of the masticator space from the parapharyngeal space, Curtin HD, *Radiology* 1987; 163: 195
- sialosis: diagnosis by computed tomography, Whyte AM; Bowyer FM, *Br J Radiol* 1987; 60: 400
- Parotid gland, cysts**
- benign lymphoepithelial cysts of the parotid gland: histologic, cytologic and ultrastructural study, (ab), Weidner N; Geisinger KR; Sterling RT; et al, *Radiology* 1986; 160: 574
- benign lymphoepithelial parotid cysts and hyperplastic cervical adenopathy in AIDS-risk patients: a new CT appearance, Holliday RA; Cohen WA; Schinella RA; Rothstein SG; Persky MS; Jacobs JM; Som PM, *Radiology* 1988; 168: 439
- Parotid gland, diseases**
- sarcoidosis of the parotid gland, Iko BO; Chinwuba CE; Myers EM; et al, *Br J Radiol* 1986; 59: 547
- Parotid gland, hypertrophy**
- parotid gland: US findings in Sjögren syndrome: work in progress, Bradus RJ; Hybarger P; Gooding GAW, *Radiology* 1988; 169: 749
- parotid hypertrophy with bulimia: report of surgical management, (ab), Berke GS; Calcaterra TC, *Radiology* 1986; 159: 287
- sialosis: diagnosis by computed tomography, Whyte AM; Bowyer FM, *Br J Radiol* 1987; 60: 400
- Parotid gland, MR studies**
- benign and malignant parotid pleomorphic adenomas: CT and MR studies, Som PM; Shugar JMA; Sacher M; et al, *JCAT* 1988; 12: 65
- evaluation of NMR versus CT for parotid masses: preliminary report, (ab), Schaefer SD; Maravilla KR; Close LG; et al, *Radiology* 1986; 159: 823
- magnetic resonance imaging of the parotid glands using inversion-recovery sequences at 0.08 T, Smith FW; Deans HE; McLay KA; et al, *Br J Radiol* 1988; 61: 480
- parotid masses: MR imaging, Teresi LM; Lufkin RB; Wortham DG; Abemayor E; Hanafee WN, *Radiology* 1987; 163: 405

- parotid masses: MR imaging, Mandelblatt SM; Braun IF; Davis PC; Fry SM; Jacobs LH; Hoffman JC Jr, *Radiology* 1987; 163: 411
- Parotid gland, neoplasms**
- benign and malignant parotid pleomorphic adenomas: CT and MR studies, Som PM; Sugar JMA; Sacher M; et al, *JCAT* 1988; 12: 65
- comparison of computed tomography and ultrasound in the assessment of parotid masses, Whyte AM; Byrne JV, *Clin Radiol* 1987; 38: 339
- computed tomography for parotid neoplasia: a new look, Swartz JD; Nunnally JF; Marlowe FI; et al, *CT* 1987; 11: 239
- differentiating tumours of the deep and superficial lobes of the parotid gland by computed tomographic sialography, Smith JRG; King WWK; Tang WYM; et al, *Clin Radiol* 1987; 38: 345
- facial nerve palsy associated with Warthin's tumor, (ab), Lesser RW; Spector JG, *Radiology* 1986; 159: 823
- iodine-131 therapy for parotid oncocyoma, Kosuda S; Ishikawa M; Tamura K; et al, *J Nucl Med* 1988; 29: 1126
- parotid masses: evaluation, analysis, and current management, (ab), Byrne MN; Spector JG, *Radiology* 1988; 169: 590
- parotid masses: MR imaging, Teresi LM; Lufkin RB; Wortham DG; Abemayor E; Hanafey WN, *Radiology* 1987; 163: 405
- parotid masses: MR imaging, Mandelblatt SM; Braun IF; Davis PC; Fry SM; Jacobs LH; Hoffman JC Jr, *Radiology* 1987; 163: 411
- radionuclide imaging for parotid oncocyoma, Kosuda S; Gokan T; Tamura K; et al, *Clin Nucl Med* 1987; 12: 150
- salivary gland scintigraphy: cystic hygroma of the parotid, Schroeder BA; Czarnecki DJ; Wells RG; et al, *Clin Nucl Med* 1987; 12: 485
- separation of the masticator space from the parapharyngeal space, Curtin HD, *Radiology* 1987; 163: 195
- unilateral cystic sebaceous lymphadenoma of the parotid gland, (ab), Merwin WH Jr; Barnes L; Meyers EN, *Radiology* 1986; 158: 573
- Parotid gland, radionuclide studies**
- radionuclide imaging for parotid oncocyoma, Kosuda S; Gokan T; Tamura K; et al, *Clin Nucl Med* 1987; 12: 150
- Parotid gland, US studies**
- comparison of computed tomography and ultrasound in the assessment of parotid masses, Whyte AM; Byrne JV, *Clin Radiol* 1987; 38: 339
- high resolution ultrasonography of the parotid gland in children, Seibert RW; Seibert JJ, *Pediatr Radiol* 1986; 16: 374
- parotid gland: US findings in Sjögren syndrome: work in progress, Bradus RJ; Hyrbarger P; Gooding GAW, *Radiology* 1988; 169: 749
- Pectus excavatum**
- See Thorax, abnormalities
- Pediatric radiology**
- See Radiography, in infants and children
- Pelvimetry**
- See Pelvis, measurement
- Pelvis**
- See also names of pelvic bones and organs
- Pelvis, abnormalities**
- pelvic abnormalities in children: assessment with MR imaging, Dietrich RB; Kangaroo H, *Radiology* 1987; 163: 367
- Pelvis, abscess**
- abdominal abscess drainage under radiologic guidance: causes of failure, Lang EK; Springer RM; Glorioso LW III; Cammarata CA, *Radiology* 1986; 159: 329
- CT detection of sacral osteomyelitis associated with pelvic abscesses, Merine DS; Fishman EK; Magid D, *JCAT* 1988; 12: 118
- drainage of pelvic abscesses through the greater sciatic foramen, Butch RJ; Mueller PR; Ferrucci JT Jr; Wittenberg J; Simeone JF; White EM; Brown AS, *Radiology* 1986; 158: 487
- drainage of pelvic abscesses through the greater sciatic foramen, Jaques PF; Mauro MA, *Radiology* 1986; 160: 278
- drainage of pelvic abscesses through the greater sciatic foramen: reply, Butch RJ; Mueller PR; Ferrucci JT Jr, *Radiology* 1986; 160: 279
- pelvic exenteration: role of CT in follow-up, Pan G; Shirkhoda A, *Radiology* 1987; 164: 665
- peritoneal inclusion cysts: ovarian fluid in peritoneal adhesions, Hoffer FA; Kozakewich H; Colodny A; Goldstein DP, *Radiology* 1988; 169: 189
- potential pitfall of pelvic computed tomography, Meanock CI; Ward CS; Williams MP, *Br J Radiol* 1988; 61: 584
- recurrent female pelvic cancer: assessment with transrectal ultrasonography, Meanwell CA; Rolfe EB; Blackledge G; Docker MF; Lawton FG; Mould JJ, *Radiology* 1987; 162: 278
- ultrasonography and computed tomography for diagnosis and follow-up of pelvic rhabdomyosarcomas in children, Geoffray A; Couanet D; Montagne JP; et al, *Pediatr Radiol* 1987; 17: 132
- unusual metastases from esophageal carcinoma: computed tomography demonstration, Varma DGK; Godiwala T, *CT* 1987; 11: 205
- volumetric rendering techniques: applications for three-dimensional imaging of the hip, Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS, *Radiology* 1987; 163: 737
- pelvic exenteration: role of CT in follow-up, Pan G; Shirkhoda A, *Radiology* 1987; 164: 665
- percutaneous drainage of pelvic abscesses: management of the tubo-ovarian abscess, Worthen NJ; Gunning JE, *J Ultrasound Med* 1986; 5: 551
- postappendectomy fluid collections in children: incidence, nature, and evolution evaluated using US, Baker DE; Silver TM; Coran AG; McMillin KI, *Radiology* 1986; 161: 341
- transrectal pelvic abscess drainage with sonographic guidance, Noshier JL; Needell GS; Amorosa JK; et al, *AJR* 1986; 146: 1047
- transvaginal pelvic abscess drainage with US guidance, Noshier JL; Winchman HK; Needell GS, *Radiology* 1987; 163: 872
- voiding symptoms and periurethral mass, St. Amour TE; Miller D, *Urol Radiol* 1986; 8: 219
- Pelvis, anatomy**
- computed tomographic anatomy of the buttock, Schilling JF; Wechsler RJ, *Skeletal Radiol* 1986; 15: 613
- sex differences in anorectal angle and perineal descent, Skomrowska E; Hegedus V, *Gastrointest Radiol* 1987; 12: 353
- Pelvis, CT**
- computed tomographic anatomy of the buttock, Schilling JF; Wechsler RJ, *Skeletal Radiol* 1986; 15: 613
- CT diagnosis of hematomatocometra, Catif D; Lovrinević A; Cengić-Huković F; et al, *Comput Med Imag Graph* 1988; 12: 315
- CT evaluation of gracilis myocutaneous vaginal reconstruction after pelvic exenteration, Epstein DM; Arger PH; LaRossa D; et al, *AJR* 1987; 148: 1143
- CT in gynecologic pelvis diseases, Sawyer RW; Walsh JW, *Semin US CT MR* 1988; 9: 122
- direct coronal and direct sagittal CT of abdomen and pelvis: approach to staging malignancies, van Waas FFGM; Feldberg MAM; Goldberg HI; Herve P; Zonneveld FW; Cann CE, *Radiographics* 1986; 6: 213
- drainage of pelvic abscesses through the greater sciatic foramen, Butch RJ; Mueller PR; Ferrucci JT Jr; Wittenberg J; Simeone JF; White EM; Brown AS, *Radiology* 1986; 158: 487
- drainage of pelvic abscesses through the greater sciatic foramen, Jaques PF; Mauro MA, *Radiology* 1986; 160: 278
- drainage of pelvic abscesses through the greater sciatic foramen: reply, Butch RJ; Mueller PR; Ferrucci JT Jr, *Radiology* 1986; 160: 279
- male pelvic hemangiopericytoma on computed tomography, Yoo RE; Sunwoo YC; Markiewicz CR, *CT* 1986; 10: 73
- malignant melanoma: correlating abdominal and pelvic CT with clinical staging, Shirkhoda A; Albin J, *Radiology* 1987; 163: 75
- normal acetabular anatomy for acetabular fracture assessment: CT and plain film correlation, Saks BJ, *Radiology* 1986; 159: 139
- pelvic exenteration: role of CT in follow-up, Pan G; Shirkhoda A, *Radiology* 1987; 164: 665
- peritoneal inclusion cysts: ovarian fluid in peritoneal adhesions, Hoffer FA; Kozakewich H; Colodny A; Goldstein DP, *Radiology* 1988; 169: 189
- potential pitfall of pelvic computed tomography, Meanock CI; Ward CS; Williams MP, *Br J Radiol* 1988; 61: 584
- recurrent female pelvic cancer: assessment with transrectal ultrasonography, Meanwell CA; Rolfe EB; Blackledge G; Docker MF; Lawton FG; Mould JJ, *Radiology* 1987; 162: 278
- ultrasonography and computed tomography for diagnosis and follow-up of pelvic rhabdomyosarcomas in children, Geoffray A; Couanet D; Montagne JP; et al, *Pediatr Radiol* 1987; 17: 132
- unusual metastases from esophageal carcinoma: computed tomography demonstration, Varma DGK; Godiwala T, *CT* 1987; 11: 205
- volumetric rendering techniques: applications for three-dimensional imaging of the hip, Fishman EK; Drebin B; Magid D; Scott WW Jr; Ney DR; Brooker AF Jr; Riley LH Jr; St. Ville JA; Zerhouni EA; Siegelman SS, *Radiology* 1987; 163: 737
- Pelvis, cysts**
- adnexal structures: MR imaging, Doms GC; Hricak H; Tscholakoff D, *Radiology* 1986; 158: 639
- perirectal mucocoele after imperforate anus repair, Panicek DM; Leeson SH; Hitch DC; et al, *Pediatr Radiol* 1987; 17: 73
- peritoneal inclusion cysts: ovarian fluid in peritoneal adhesions, Hoffer FA; Kozakewich H; Colodny A; Goldstein DP, *Radiology* 1988; 169: 189
- Pelvis, diseases**
- hydatid disease of the pelvis, Clements R; Bowyer FM, *Clin Radiol* 1986; 37: 375
- pelvic lipomatosis: 35-year experience, (ab), Klein FA; Smith MJV; Kasenetz L, *Radiology* 1988; 169: 883
- Pelvis, fibrosis**
- tumor recurrence versus fibrosis in the female pelvis: differentiation with MR imaging at 1.5 T, Ebner F; Kressel HY; Mintz MC; Carlson JA; Cohen EK; Schiebler M; Gefter WB; Axel L, *Radiology* 1988; 166: 333
- Pelvis, fractures**
- bone imaging in the diagnosis of fractures of the femur and pelvis in the sixth to tenth decades, Slavin JD Jr; Mathews J; Spencer RP, *Clin Nucl Med* 1986; 11: 328
- lateral compression fractures of the pelvis: importance of plain radiographs in the diagnosis and surgical management, Young JWR; Burgess AR; Brumback RJ; et al, *Skeletal Radiol* 1986; 15: 103
- parasympheal and associated insufficiency fractures of the pelvis and sacrum, Davies AM; Evans NS; Struthers GR, *Br J Radiol* 1988; 61: 103
- pelvic fractures: value of plain radiography in early assessment and management, Young JWR; Burgess AR; Brumback RJ; Poka A, *Radiology* 1986; 160: 445
- pelvic stress fracture in female runners, Thorne DA; Datz FL, *Clin Nucl Med* 1986; 11: 828
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- stress fracture of the pubic ramus in a swimmer, Kim SM; Park CH; Gartland JJ, *Clin Nucl Med* 1987; 12: 118
- unique musculoskeletal trauma, McNiesh LM, *Radiol Clin North Am* 1987; 23: 1107
- Pelvis, hemorrhage**
- control of postoperative vaginal hemorrhage by embolization of the medial circumflex femoral artery, Odumny A; Colapinto RF, *AJR* 1987; 149: 319
- ectopic pregnancy: surgical-pathologic correlation with US, Rochester D; Panella JS; Port RB; Rosenfeld M; Rawal U, *Radiology* 1987; 163: 843
- embolic management of rare hemorrhagic gynecologic and obstetrical conditions, Vujic I; Stanley JH; Gobien RP; et al, *Cardiovasc Intervent Radiol* 1986; 9: 69
- lumbar arterial injury: radiologic diagnosis and management, Sclafani SJA; Florence LO; Phillips TF; Scalea TM; Glanz S; Goldstein AS; Duncan AO; Shaftan GW, *Radiology* 1987; 163: 709
- MR imaging of hemorrhagic adnexal masses, Nyberg DA; Porter BA; Olds MO; et al, *JCAT* 1987; 11: 664
- obstetric and nonmalignant gynecologic bleeding: treatment with angiographic embolization, Greenwood LH; Glickman MG; Schwartz PE; Morse SS; Denny DF, *Radiology* 1987; 164: 155
- percutaneous embolization of the ovarian artery in the treatment of pelvic hemorrhage, Marx MV; Pitus D; Weyman PJ, *AJR* 1988; 150: 1337
- prevesical hematoma: complication of prostatic biopsy, Choyke PL; Blei CL; Jaffe MH; et al, *Urol Radiol* 1986; 8: 32
- sonographic demonstration of bladder-flap hematoma, Winsett MZ; Fagan CJ; Bedi DG, *J Ultrasound Med* 1986; 5: 483
- sonography of subfascial hematoma after cesarean delivery, Wiener MD; Bowie JD; Baker ME; et al, *AJR* 1987; 148: 907
- Pelvis, injuries**
- computed tomography of vaginitis emphysematosa, Jaramillo D; Allan NK; Raval B, *JCAT* 1986; 10: 521

Pelvis, injuries

- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system. *Tehranzadeh J, Radiographics* 1987; 7: 945
- Pelvis, measurement**
- artifacts seen during CT pelvimetry: implications for digital systems with scanning beams. Brody AS; Saks BJ; Field DR; Skinner SR; Capra RE. *Radiology* 1986; 160: 269
- frequency and efficacy of pelvimetry: Saskatoon experience. Miller K. *J Canad Assoc Radiol* 1986; 37: 273
- low dose pelvimetry with biplane digital radiography. Lotz H; Ekelund L; Hietala S-O; et al. *Acta Radiol* 1987; 28: 577
- Pelvis, MR studies**
- adnexal masses: MR imaging observations at 1.5 T, with US and CT correlation. Mitchell DG; Mintz MC; Spritzer CE; Gussman D; Arger PH; Coleman BG; Axel L; Kressel HY. *Radiology* 1987; 162: 319
- adnexal structures: MR imaging. Doms GC; Hricak H; Tscholakoff D. *Radiology* 1986; 158: 639
- imaging strategies for MRI of the pelvis. Fishman-javitt MC; Lovecchio JL; Stein HL. *Radiol Clin North Am* 1988; 26: 633
- magnetic resonance imaging of the female pelvis. Picus D; Lee JKT. *Urol Radiol* 1986; 8: 166
- magnetic resonance imaging of the pelvis: prostate and urinary bladder. Doms GC; Hricak H. *Urol Radiol* 1986; 8: 156
- magnetic resonance tomography of the pelvis. Smith FW. *Cardiovasc Intervent Radiol* 1986; 8: 367
- MR demonstration of extensive pelvic involvement in vulvar hemangiomas. O'Neal MF; Amparo EG. *JCAT* 1988; 12: 219
- MR imaging of hemorrhagic adnexal masses. Nyberg DA; Porter BA; Olds MO; et al. *JCAT* 1987; 11: 664
- MR imaging of the pelvis. Heiken JP; Lee JKT. *Radiology* 1988; 166: 11
- MRI of the female pelvis: review. Hricak H. *AJR* 1986; 146: 1115
- pelvic abnormalities in children: assessment with MR imaging. Dietrich RB; Kangaroo H. *Radiology* 1987; 163: 367
- pelvis imaging with MR: technique for improvement. Winkler ML; Hricak H. *Radiology* 1986; 158: 848
- pitfall in MR imaging of lymphadenopathy after lymphangiography. Buckwalter KA; Ellis JH; Baker DE; Borello JA; Glazer GM. *Radiology* 1986; 161: 831
- tumor recurrence versus fibrosis in the female pelvis: differentiation with MR imaging at 1.5 T. Ebner F; Kressel HY; Mintz MC; Carlson JA; Cohen EK; Schiebler M; Gefter WB; Axel L. *Radiology* 1988; 166: 333
- ultrasound and magnetic resonance imaging of pelvic masses. (ab). Andreotti RF; Zusmer NR; Sheldon JJ; et al. *Radiology* 1988; 169: 587
- Pelvis, neoplasms**
- accuracy of CT in detection of persistent or recurrent ovarian carcinoma: correlation with second-look laparotomy. Megibow AJ; Bosniak MA; Ho AG; Beller U; Hulnick DH; Beckman EM. *Radiology* 1988; 166: 341
- adnexal masses: MR imaging observations at 1.5 T, with US and CT correlation. Mitchell DG; Mintz MC; Spritzer CE; Gussman D; Arger PH; Coleman BG; Axel L; Kressel HY. *Radiology* 1987; 162: 319
- adnexal structures: MR imaging. Doms GC; Hricak H; Tscholakoff D. *Radiology* 1986; 158: 639
- anal submucosal injection: new route for drug administration in pelvic malignancies. part I. experimental study of misonidazole distribution in serum and tissues, with special reference to urinary bladder: preliminary report. Shafik A; El-Merzabani MM; El-Aaser AA; et al. *Invest Radiol* 1986; 21: 278
- cartilage-cell-containing tumours of the pelvis: radiological review of 40 patients. Buirski G; Ratliff AHC; Watt I. *Br J Radiol* 1986; 59: 197
- CT evaluation of gracilis myocutaneous vaginal reconstruction after pelvic exenteration. Epstein DM; Arger PH; LaRossa D; et al. *AJR* 1987; 148: 1143
- diagnosis of recurrent gynecologic malignancy with fine-needle aspiration cytology. (ab). Nash JD; Burke TW; Woodward JE; et al. *Radiology* 1988; 169: 290
- direct coronal and direct sagittal CT of abdomen and pelvis: approach to staging malignancies. van Waas PFGM; Feldberg MAM; Goldberg HJ; Herve P; Zonneveld FW; Cann CE. *Radiographics* 1986; 6: 213
- endovaginal ultrasound: a technique for evaluation of nonfollicular pelvic masses. Vilaro MM; Rifkin MD; Pennell RG; et al. *J Ultrasound Med* 1987; 6: 697
- evaluation and management of the pelvic mass: a review of 540 cases. (ab). Killackey MA; Neuwirth RS. *Radiology* 1988; 169: 291
- giant cell tumor of the ischium: a report of two cases and review of the literature. Shankman S; Greenspan A; Klein MJ; et al. *Skeletal Radiol* 1988; 17: 46
- imaging of questionable and unusual pelvic masses. Reuter KL; D'Orsi CJ; Raptopoulos V; et al. *Br J Radiol* 1986; 59: 765
- imaging the direct bidirectional spread of disease between the abdomen and the female pelvis via the subperitoneal space. Oliphant M; Berne AS; Meyers MA. *Gastrointest Radiol* 1988; 13: 285
- male pelvic hemangiopericytoma on computed tomography. Yoo RE; Sunwoo YC; Markivee CR. *CT* 1986; 10: 73
- malignant melanoma: correlating abdominal and pelvic CT with clinical staging. Shirkhoda A; Albin J. *Radiology* 1987; 165: 75
- MR imaging of the pelvis. Heiken JP; Lee JKT. *Radiology* 1988; 166: 11
- other abdominal and pelvic masses in children. Sty JR; Wells R; Semin Roentgenol 1988; 23: 216
- ovarian carcinoma follow-up: US versus laparotomy. Khan O; Cosgrove DO; Fried AM; Savage PE. *Radiology* 1986; 159: 111
- pelvic abnormalities in children: assessment with MR imaging. Dietrich RB; Kangaroo H. *Radiology* 1987; 163: 367
- pelvic exenteration: role of CT in follow-up. Pan G; Shirkhoda A. *Radiology* 1987; 164: 665
- pelvic masses in pregnant patients: MR and US imaging. Weinreb JC; Brown CE; Lowe TW; Cohen JM; Erdman WA. *Radiology* 1986; 159: 717
- percutaneous needle biopsy of deep pelvic masses: posterior approach. Pardes JG; Schneider M; Koizumi J; et al. *Cardiovasc Intervent Radiol* 1986; 9: 65
- pictorial essay of pelvic and abdominal masses seen during pregnancy. Rahatzad MT; Adamson D. *JCU* 1986; 14: 255
- presacral tumors in the female: clinical presentation, surgical management, and results. (ab). Lee RA; Symmonds RE. *Radiology* 1988; 168: 293
- recurrent female pelvic cancer: assessment with transrectal ultrasonography. Meanwell CA; Rolfe EB; Blackledge G; Docker MF; Lawton FG; Mould JJ. *Radiology* 1987; 162: 278
- retroperitoneal and pelvic hemangiopericytomas: clinical, radiologic, and pathologic correlation. Goldman SM; Davidson AJ; Neal J. *Radiology* 1988; 168: 13
- sonography of pelvic masses in children: diagnostic predictability. Wu A; Siegel MJ. *AJR* 1987; 148: 1199
- transmission block to simplify combined pelvic and inguinal radiation therapy. Kalnicki S; Zide A; Maleki N; DeWyngeart JK; Lipsztein R; Dalton JF; Bloomer WD. *Radiology* 1987; 164: 578
- transvaginal sonography: comparison with transabdominal sonography in the diagnosis of pelvic masses. Leibman AJ; Kruse B; McSweeney MB. *AJR* 1988; 151: 89
- tumor recurrence versus fibrosis in the female pelvis: differentiation with MR imaging at 1.5 T. Ebner F; Kressel HY; Mintz MC; Carlson JA; Cohen EK; Schiebler M; Gefter WB; Axel L. *Radiology* 1988; 166: 333
- ultrasonography and computed tomography for diagnosis and follow-up of pelvic rhabdomyosarcomas in children. Geoffray A; Couanet D; Montagne JP; et al. *Pediatr Radiol* 1987; 17: 132
- ultrasound and magnetic resonance imaging of pelvic masses. (ab). Andreotti RF; Zusmer NR; Sheldon JJ; et al. *Radiology* 1988; 169: 587
- unusual metastases from esophageal carcinoma: computed tomography demonstration. Varna DGK; Godiwala T. *CT* 1987; 11: 205
- value of lymphoscintigraphy, lymphangiography and computer tomography scanning in the preoperative assessment of lymph nodes involved by pelvic malignant conditions. (ab). Feigen M; Crocker EF; Reid J; et al. *Radiology* 1988; 167: 294
- Pelvis, radiography**
- imaging of questionable and unusual pelvic masses. Reuter KL; D'Orsi CJ; Raptopoulos V; et al. *Br J Radiol* 1986; 59: 765
- lateral compression fractures of the pelvis: importance of plain radiographs in the diagnosis and surgical management. Young JWR; Burgess AR; Brumback RJ; et al. *Skeletal Radiol* 1986; 15: 103
- normal acetabular anatomy for acetabular fracture assessment: CT and plain film correlation. Saks BJ. *Radiology* 1986; 159: 139
- pelvic fractures: value of plain radiography in early assessment and management. Young JWR; Burgess AR; Brumback RJ; Poka A. *Radiology* 1986; 160: 445
- Pelvis, radionuclide studies**
- bone imaging after hemipelvectomy. Peracha H; Spencer RP. *Clin Nucl Med* 1986; 11: 877
- bone imaging in the diagnosis of fractures of the femur and pelvis in the sixth to tenth decades. Slavin JD Jr; Mathews J; Spencer RP. *Clin Nucl Med* 1986; 11: 328
- digital filtering of the bladder in SPECT bone studies of the pelvis. Gillen GJ; McKillop JH; Hilditch TE; et al. *J Nucl Med* 1988; 29: 1587
- extensive pelvic infarction diagnosed by radionuclide skeletal and bone marrow imaging. Southee AE; Lee KJ; Rossleigh MA; et al. *Clin Nucl Med* 1988; 13: 613
- non-skeletal accumulation of bone seeking agents: pelvis. Goldfarb CR; Ongseng F; Kuhn M; et al. *Semin Nucl Med* 1988; 18: 159
- normal anatomy of the lumbosacral spine and pelvis: a correlation of SPECT and radiographic techniques. Gates GF. *Clin Nucl Med* 1988; 13: 327
- utility of caudal view in pelvic bone imaging. Simon J; Danet B; Esquerre JP; et al. *Clin Nucl Med* 1986; 11: 614
- vascular pseudotumor of the pelvis as demonstrated by technetium-99m MDP skeletal scintigraphy. Boyko OB; Becker GJ; Burt RW. *Clin Nucl Med* 1987; 12: 238
- Pelvis, therapeutic radiology**
- effect of a femoral head prosthesis on megavoltage beam radiotherapy. Biggs PJ; Russell MD. *Int J Radiat Oncol Biol Phys* 1988; 14: 581
- hip prostheses during pelvic irradiation: effects and corrections. Hazuka MB; Ibbott GS; Kinzie JJ. *Int J Radiat Oncol Biol Phys* 1988; 14: 1311
- palliation of advanced pelvic malignant disease with large fraction pelvic radiation and misonidazole: final report of RTOG phase I/II study. Spanos WJ Jr; Wasserman T; Meoz R; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1479
- prospective study of treatment techniques to minimize the volume of pelvic small bowel with reduction of acute and late effects associated with pelvic irradiation. Gallagher MJ; Brereton HD; Rostock RA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1565
- transmission block to simplify combined pelvic and inguinal radiation therapy. Kalnicki S; Zide A; Maleki N; DeWyngeart JK; Lipsztein R; Dalton JF; Bloomer WD. *Radiology* 1987; 164: 578
- treatment of pelvic sarcomas in adolescents and young adults with intensive combined modality therapy. Stea B; Kinsella TJ; Triche TJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1797
- Pelvis, US studies**
- adnexal and cul-de-sac abnormalities: transvaginal sonography. Lande IM; Hill MC; Cosco FE; Kator NN. *Radiology* 1988; 166: 325

case of the month: pain in the pelvis. Geake TMS, Br J Radiol 1986; 59: 943

endovaginal ultrasound: a technique for evaluation of nonfollicular pelvic masses. Vilaro MM; Rifkin MD; Pennell RG; et al. J Ultrasound Med 1987; 6: 697

fluid in the fetal pelvis: cyclic patterns. Davis JA; Gosink BB, J Ultrasound Med 1986; 5: 75

gynecologic imaging: comparison of transabdominal and transvaginal sonography. Mendelson EB; Bohm-Velez M; Joseph N; Neiman HL, Radiology 1988; 166: 321

imaging of questionable and unusual pelvic masses. Reuter KL; D'Orsi CJ; Raptopoulos V; et al, Br J Radiol 1986; 59: 765

ovarian carcinoma follow-up: US versus laparotomy. Khan O; Cosgrove DO; Fried AM; Savage PE, Radiology 1986; 159: 111

ovary volume in young and premenopausal adults: US determination. work in progress. Munn CS; Kiser LC; Wetzner SM; Baer JE, Radiology 1986; 159: 731

peritoneal inclusion cysts: ovarian fluid in peritoneal adhesions. Hoffer FA; Kozakewich H; Clodny A; Goldstein DP, Radiology 1988; 169: 189

postappendectomy fluid collections in children: incidence, nature, and evolution evaluated using US. Baker DE; Silver TM; Coran AG; McMillin KI, Radiology 1986; 161: 341

recurrent female pelvic cancer: assessment with transrectal ultrasonography. Meanwell CA; Rolfe EB; Blackledge G; Docker MF; Lawton FG; Mould JJ, Radiology 1987; 162: 278

sequela of continuous ambulatory peritoneal dialysis (CAPD) mimicking primary gynecologic pathology. Vincent LM; Parker LA; Mittelstaedt CA, J Ultrasound Med 1987; 6: 483

sonographic appearance of pelvic extramedullary hematopoiesis. Campbell WE Jr; Weinstein BJ, J Ultrasound Med 1986; 5: 103

sonographic demonstration of bladder-flap hematoma. Winsett MZ; Fagan CJ; Bedi DG, J Ultrasound Med 1986; 5: 483

sonography of pelvic masses in children: diagnostic predictability. Wu A; Siegel MJ, AJR 1987; 148: 1199

transvaginal sonography: comparison with transabdominal sonography in the diagnosis of pelvic masses. Leibman AJ; Kruse B; McSweeney MB, AJR 1988; 151: 89

ultrasonographic diagnosis of septic pelvic thrombophlebitis. Rudoff JM; Astrauskas LJ; Rudoff JC; et al, J Ultrasound Med 1988; 7: 287

ultrasonography and computed tomography for diagnosis and follow-up of pelvic rhabdomyosarcomas in children. Geoffray A; Couanet D; Montagne JP; et al, Pediatr Radiol 1987; 17: 132

ultrasound and magnetic resonance imaging of pelvic masses. (ab). Andreotti RF; Zusmer NR; Sheldon JJ; et al, Radiology 1988; 169: 587

ultrasound case of the day: annual meeting. 1985. Sandler MA; Beute GH; Madrazo BL; Hudak SF; Maywood CM; Walter K; Haggard AH, Radiographics 1987; 7: 1025

Pelvis, varices

pelvic varices: sonographic and surgical recognition. Willard DA, JCU 1988; 16: 265

Penis

dynamic corpus cavernosography: effect of papaverine injection. Puyau FA; Lewis RW; Balkin P; Kaack MB; Hirsch A, Radiology 1987; 164: 179

normal penile anatomy and abnormal penile conditions: evaluation with MR imaging. Hricak H; Marotti M; Gilbert TJ; Lue TF; Wetzel LH; McAninch JW; Tanagho EA, Radiology 1988; 169: 683

Penis, angiography

nonspecific angiography after intracorporeal papaverine injection: an alternative technique for evaluating penile arterial integrity. Schwartz AN; Freidenberg D; Harley JD, Radiology 1988; 167: 249

penile angiography: the last angiographic frontier. Bookstein JJ, AJR 1988; 150: 47

penile magnification pharmacocavernosography: details of intrapenile arterial anatomy. Bookstein JJ; Lang EV, AJR 1987; 148: 883

posttraumatic impotence: angiographic evaluation. Lurie AL; Bookstein JJ; Kessler WO, Radiology 1988; 166: 115

simplified technique of internal pudendal angiography in the investigation of impotence. St. Louis EL; Gray RR; Grossman H, Cardiovasc Intervent Radiol 1986; 9: 22

technical advances in penile arteriography. Delcour C; Vandenbosch G; Delatte F; et al, AJR 1988; 150: 803

Penis, cavernosography

assessment of impotence with cavernosography. Friedenberg RM, Radiology 1986; 161: 842

cavernosal venocclusive insufficiency in male impotence: evaluation of degree and location. Bookstein JJ, Radiology 1987; 164: 175

cavernosography in conjunction with artificial erection for evaluation of venous leakage in impotent men. Malhotra CM; Balko A; Wincze JP; Bansal S; Sussnet JG, Radiology 1986; 161: 799

digital subtraction dynamic cavernosography. Hartnell GG; Mulcahy MJ; Kiely EA; et al, Br J Radiol 1988; 61: 679

dynamic corpus cavernosography: effect of papaverine injection. Puyau FA; Lewis RW; Balkin P; Kaack MB; Hirsch A, Radiology 1987; 164: 179

erectile dysfunction caused by venous leakage: treatment with detachable balloons and coils. Courtheoux P; Maiza D; Henriot J-P; Vaislic CD; Evraud C; Theron J, Radiology 1986; 161: 807

erectile dysfunction secondary to penile trauma: the value of cavernosography. Reed DH; Britton PD, Br J Radiol 1988; 61: 693

impotence: evaluation with cavernosography. Delcour C; Wespes E; Vandenbosch G; Schulman CC; Struyven J, Radiology 1986; 161: 803

penile pharmacocavernosography and cavernosometry in the evaluation of impotence. (ab). Bookstein JJ; Valji K; Parsons L; et al, Radiology 1987; 165: 296

posttraumatic impotence: angiographic evaluation. Lurie AL; Bookstein JJ; Kessler WO, Radiology 1988; 166: 115

relevance of dynamic cavernosography to the diagnosis of venous incompetence in erectile dysfunction. (ab). Forst H; vanAhlen H; Vahlensieck W, Radiology 1987; 165: 884

Penis, diseases

dystrophic penile calcification in Peyronie's disease. (ab). Gelbard MK, Radiology 1988; 169: 289

high-resolution real-time ultrasound in Peyronie's disease. Chou Y-H; Tiu C-M; Pan H-B; et al, J Ultrasound Med 1987; 6: 67

normal penile anatomy and abnormal penile conditions: evaluation with MR imaging. Hricak H; Marotti M; Gilbert TJ; Lue TF; Wetzel LH; McAninch JW; Tanagho EA, Radiology 1988; 169: 683

ultrasound imaging in Peyronie disease. (ab). Hamm B; Friedrich M; Kelami A, Radiology 1987; 163: 840

Penis, MR studies

MR diagnosis of penile thrombosis. Kimball DA; Yuh WTC; Farnier RM, JCAT 1988; 12: 604

normal penile anatomy and abnormal penile conditions: evaluation with MR imaging. Hricak H; Marotti M; Gilbert TJ; Lue TF; Wetzel LH; McAninch JW; Tanagho EA, Radiology 1988; 169: 683

Penis, neoplasms

carcinoma of the penis: a 12-year review. Kaushal V; Sharma SC, Acta Oncol 1987; 26: 413

Penis, US studies

high-resolution real-time ultrasound in Peyronie's disease. Chou Y-H; Tiu C-M; Pan H-B; et al, J Ultrasound Med 1987; 6: 67

sonographic appearance of the reservoir of an inflatable penile prosthesis. Epstein S; Ramanathan K; Yaghoobian J; et al, JCU 1987; 15: 353

ultrasonographic evaluation of Peyronie's disease. Balconi G; Angeli E; Nesi R; et al, Urol Radiol 1988; 10: 85

ultrasound imaging in Peyronie disease. (ab). Hamm B; Friedrich M; Kelami A, Radiology 1987; 163: 840

Peptic ulcer

accuracy of radiologic and endoscopic diagnosis of gastric ulcer. Gijrup T; Agner E; Jensen LB; et al, Acta Radiol 1987; 28: 421

base line tenting: sign of duodenal ulcer disease. Lu CC; Murakami J; Barloon T; et al, Gastrointest Radiol 1987; 12: 109

case report: spontaneous healing of a gastrocolic fistula due to a benign gastric ulcer. McCullough KM; Gregson R, Clin Radiol 1987; 38: 431

cholescintigraphic detection of intraperitoneal bile leakage from a perforated duodenal ulcer. Westley KA; Straub WH; Keyes JW Jr, Clin Nucl Med 1987; 12: 781

CT demonstration of gastropancreatic fistula due to penetrating gastric ulcer. Hughes JJ; Blunck CE, JCAT 1987; 11: 709

detection of gastroduodenal ulcers using technetium-99m-labeled sucralate. Puttemans N; Lambert M; Andre PP; et al, J Nucl Med 1987; 28: 521

duodenal-pericardial fistula caused by a duodenal ulcer. Rajakian RL; Swayne LC; McLaughlin MG; et al, AJR 1988; 151: 315

effects of aspirin and prostaglandin E₂ on interdigestive motility complex and duodenogastric reflux in man. (ab). Dooley CP; Mello WD; Valenzuela JE, Radiology 1986; 158: 568

gastric ulceration caused by heater probe coagulation. Rumerman J; Rubenstein SE; Levine MS; et al, Gastrointest Radiol 1988; 13: 200

giant gastric ulcers: review of 49 cases. (ab). Barragry TP; Blatchford JW III; Allen MJO, Radiology 1986; 161: 282

increased risk of cancer at multiple sites after gastric surgery for peptic ulcer. (ab). Caygill CP; Hill MJ; Hall CN; et al, Radiology 1988; 167: 586

interobserver variation in the radiographic diagnosis of duodenal ulcer disease. Gjørup T; Nielsen H; Jensen LB; et al, Acta Radiol 1986; 27: 41

intramural hemorrhage simulating gastric neoplasm. Sheward SE; Davis M; Amparo EG; et al, Gastrointest Radiol 1988; 13: 102

multiple duodenal ulcer: natural history and pathophysiology. (ab). Hui WM; Lam SK, Radiology 1988; 168: 586

peptic ulcer and gastric carcinoma: diagnosis with biphase radiography compared with fiberoptic endoscopy. Shaw PC; van Romunde LKJ; Griffoen G; Janssens AR; Kreuning J; Eilers GAM, Radiology 1987; 163: 39

peptic ulcer disease. Schirmer BD; Jones RS, Invest Radiol 1987; 22: 437

radiology of normal and abnormal gastric mucus. Samuel E, Br J Radiol 1987; 60: 987

ultrasonic demonstration of acute multiple gastric ulcers in a child. Tomooka Y; Koga T; Shimoda Y; et al, Br J Radiol 1987; 60: 290

Peptic ulcer, complications

splenic penetration by benign gastric ulcer: preoperative recognition with CT. Glick SN; Levine MS; Teplick SK; Gasparaitis A, Radiology 1987; 163: 637

Peptic ulcer, diagnosis

benign gastric ulcers: diagnosis and follow-up with double-contrast radiography. Levine MS; Creteur V; Kressel HY; Laufer I; Herlinger H, Radiology 1987; 164: 9

benign gastric ulcers: diagnosis and follow-up with double-contrast radiography. Gelfand DW; Ott DJ, Radiology 1987; 165: 878

gastric ulcer localization by direct in vivo labeling of sucralate. Tietze P; Gratz KF; Hundeshagen H, Radiology 1986; 161: 569

gastric ulcer localization by direct in vivo labeling of sucralate: reply. Seevern RH, Radiology 1986; 161: 569

radiographic efficacy in gastric ulcer: comparison of single-contrast and multiphasic examinations. Ott DJ; Chen YM; Gelfand DW; et al, AJR 1986; 147: 697

Peptic ulcer, radionuclide studies

acute bleeding from a gastric ulcer in an infant evaluated by technetium-99m RBC imaging. Edeling C-J; Frederiksen PB; Østergaard E; et al, Clin Nucl Med 1988; 13: 467

Peptic ulcer, US studies

Peptic ulcer, US studies

gastric ulcer disease in infants: US findings, Hayden CK Jr, Swischuk LE, Rytting JE, *Radiology* 1987; 164: 131

Perfluorocetyl bromide

¹⁹F magnetic resonance imaging of the reticuloendothelial system, Ratner AV; Hurd R; Muller HH; et al, *Magn Res Med* 1987; 5: 548

perfluorocetyl bromide as a contrast agent for computed tomographic image of septic and aseptic arthritis, Sartoris DJ; Guerra JJ Jr; Mattrey RF; et al, *Invest Radiol* 1986; 21: 49

rapid ¹⁹F magnetic resonance imaging of perfluorocetyl bromide in vivo, Freeman DM; Muller HH; Hurd RE; et al, *Magn Res Med* 1988; 6: 61

Pericarditis

cardiac tamponade and constrictive pericarditis complicating endoscopic sclerotherapy, (ab), Brown DL; Luchi RJ, *Radiology* 1988; 167: 885

detection of postcardiotomy bacterial pericarditis with gallium-67 citrate, Zuckier LS; Weissmann HS; Goldman MJ; et al, *Clin Nucl Med* 1986; 11: 276

left ventricular pseudoaneurysm causing superior vena caval obstruction and effusive-constrictive pericarditis, Sehgal E; Sherman W; Isom OW; et al, *J Nucl Med* 1987; 28: 918

pulmonary melioidosis: clinical-radiologic correlation in 183 cases in northeastern Thailand, Dhienisri T; Puapairoj S; Sussangrath W, *Radiology* 1988; 166: 711

visualization of right atrial thrombus associated with constrictive pericarditis by indium-111 oxine platelet imaging, Nishimura T; Misawa T; Park Y-D; et al, *J Nucl Med* 1987; 28: 1344

Pericardium

anatomy of the pericardial space: a study in cadavers and patients, Choe YH; Im J-G; Park JH; et al, *AJR* 1987; 149: 693

epipericardial fat pad: CT findings, Paling MR; Williamson BRJ, *Radiology* 1987; 165: 335

Pericardium, abnormalities

cardiac levorotation: cause of false-positive epicardial fat pad sign, Hirji MK; Johnson MA; Hennig RC, *Radiology* 1986; 161: 659

CT evaluation of distended pericardial recess presenting as a mediastinal mass, Shin MS; Jolles PR; Ho K-J, *JCAT* 1986; 10: 860

MRI of the abnormal pericardium, Sechtem U; Tscholakoff D; Higgins CB, *AJR* 1986; 147: 245

Pericardium, calcification

radiographic distinction between pericardial and myocardial calcifications, MacGregor JH; Chen JTT; Chiles C; et al, *AJR* 1987; 148: 675

Pericardium, CT

anatomy of the pericardial space: a study in cadavers and patients, Choe YH; Im J-G; Park JH; et al, *AJR* 1987; 149: 693

CT evaluation of distended pericardial recess presenting as a mediastinal mass, Shin MS; Jolles PR; Ho K-J, *JCAT* 1986; 10: 860

epipericardial fat pad: CT findings, Paling MR; Williamson BRJ, *Radiology* 1987; 165: 335

evaluation of intracardiac and pericardial tumours with computed tomography, Puvanewary M; Singham KT; Yap S, *Australas Radiol* 1987; 31: 152

illustrative cases in pericardial effusion misdiagnosis: correlation of echocardiography and CT, Yousem D; Traill TT; Wheeler PS; et al, *Cardiovasc Intervent Radiol* 1987; 10: 162

pericardial abscess: diagnosis using two-dimensional echocardiography and CT, Johnson MA; Hirji MK; Hennig RC; Williams D, *Radiology* 1986; 159: 419

pericardial fluid distribution: CT analysis, Gale ME; Kiwak MG; Gale DR, *Radiology* 1987; 162: 171

rapid-acquisition computed tomography demonstration of chronic calcified pericardial constriction, Rees MR; MacMillan RM; Flicker S; et al, *CT* 1986; 10: 183

superior pericardial recess simulating aortic dissection on computed tomography, Chiles C; Baker ME; Silverman PM, *JCAT* 1986; 10: 421

Pericardium, cysts

pleuropericardial cyst in an unusual location: the value of magnetic resonance, Boissiere-Lacroix M; Martigne C; Laurent F; et al, *Comput Med Imag Graph* 1988; 12: 277

unusual pericardial cyst location: value of two-dimensional echocardiography in diagnosis, Meloni L; Ruscazio M; Versace R; et al, *J Ultrasound Med* 1988; 7: 519

Pericardium, effusion

See Pericardium, fluid

Pericardium, fluid

cardiac levorotation: cause of false-positive epicardial fat pad sign, Hirji MK; Johnson MA; Hennig RC, *Radiology* 1986; 161: 659

case of pericardial hemangioma with consumption coagulopathy cured by radiotherapy, Yoshikawa M; Hayashi T; Sato T; et al, *Pediatr Radiol* 1987; 17: 149

diagnosis of malignant pericardial effusion during dynamic hepatic scintigraphy, Gates GF, *Clin Nucl Med* 1987; 12: 173

diagnosis of pericardial effusions from routine gated blood-pool imaging, Rothendler JA; Schick EC; Leppo J; et al, *J Nucl Med* 1987; 28: 1419

evaluation of pleural and pericardial effusions by magnetic resonance imaging, Tscholakoff D; Sechtem U; de Geer G; et al, *Eur J Radiol* 1987; 7: 169

illustrative cases in pericardial effusion misdiagnosis: correlation of echocardiography and CT, Yousem D; Traill TT; Wheeler PS; et al, *Cardiovasc Intervent Radiol* 1987; 10: 162

percutaneous drainage of infected and noninfected thoracic fluid collections, Stavas J; vanSonnenberg E; Casola G; et al, *J Thorac Imag* 1987; 2: 80

pericardial abscess: diagnosis using two-dimensional echocardiography and CT, Johnson MA; Hirji MK; Hennig RC; Williams D, *Radiology* 1986; 159: 419

pericardial effusion presenting as an anterior mediastinal mass, Schlesinger AE; Fernbach SK, *Pediatr Radiol* 1986; 16: 65

pericardial fluid distribution: CT analysis, Gale ME; Kiwak MG; Gale DR, *Radiology* 1987; 162: 171

real-time ultrasound scanning in the planning and guidance of pericardiocentesis, Clarke DP; Cosgrove DO, *Clin Radiol* 1987; 38: 119

thallium-201 imaging in pericardial effusion, Nestico PF; Hakki A-H; Iskandrian AS; et al, *Clin Nucl Med* 1986; 11: 213

Pericardium, hemorrhage

hemopericardium resulting from attempted internal jugular vein catheterization: case report and review of complications of central venous catheterization, Carr M; Jagannath A, *Cardiovasc Intervent Radiol* 1986; 9: 214

Pericardium, inflammation

See Pericarditis

Pericardium, MR studies

evaluation of pleural and pericardial effusions by magnetic resonance imaging, Tscholakoff D; Sechtem U; de Geer G; et al, *Eur J Radiol* 1987; 7: 169

MR imaging of the transverse sinus of the pericardium, Im J-G; Rosen A; Webb WR; et al, *AJR* 1988; 150: 79

MRI of the abnormal pericardium, Sechtem U; Tscholakoff D; Higgins CB, *AJR* 1986; 147: 245

MRI of the normal pericardium, Sechtem U; Tscholakoff D; Higgins CB, *AJR* 1986; 147: 239

pleuropericardial cyst in an unusual location: the value of magnetic resonance, Boissiere-Lacroix M; Martigne C; Laurent F; et al, *Comput Med Imag Graph* 1988; 12: 277

Pericardium, neoplasms

evaluation of intracardiac and pericardial tumours with computed tomography, Puvanewary M; Singham KT; Yap S, *Australas Radiol* 1987; 31: 152

prenatal diagnosis of an intrapericardial teratoma: a cause for nonimmune hydrops, Cyr DR; Guntheroth WC; Nyberg DA; et al, *J Ultrasound Med* 1988; 7: 87

primary pericardial mesothelioma detected by gallium-67 scintigraphy, Nishikimi T; Ochi H; Hirota K; et al, *J Nucl Med* 1987; 28: 1210

Pericardium, radionuclide studies

detection of postcardiotomy bacterial pericarditis with gallium-67 citrate, Zuckier LS; Weissmann HS; Goldman MJ; et al, *Clin Nucl Med* 1986; 11: 276

diagnosis of malignant pericardial effusion during dynamic hepatic scintigraphy, Gates GF, *Clin Nucl Med* 1987; 12: 173

primary pericardial mesothelioma detected by gallium-67 scintigraphy, Nishikimi T; Ochi H; Hirota K; et al, *J Nucl Med* 1987; 28: 1210

thallium-201 imaging in pericardial effusion, Nestico PF; Hakki A-H; Iskandrian AS; et al, *Clin Nucl Med* 1986; 11: 213

Pericardium, stenosis

rapid-acquisition computed tomography demonstration of chronic calcified pericardial constriction, Rees MR; MacMillan RM; Flicker S; et al, *CT* 1986; 10: 183

Pericardium, surgery

cardiac herniation and volvulus: radiographic findings, Brady MB; Brogdon BG, *Radiology* 1986; 161: 657

pericardiophrenic hernia secondary to a surgically created peritoneal and pericardial window, (ab), Ames MD; Kaczmarek CJ; Sahar DI; et al, *Radiology* 1986; 160: 857

Pericardium, US studies

illustrative cases in pericardial effusion misdiagnosis: correlation of echocardiography and CT, Yousem D; Traill TT; Wheeler PS; et al, *Cardiovasc Intervent Radiol* 1987; 10: 162

ultrasound demonstration of pericardial empyema in an infant with pyrexia of undetermined origin, Carey BM; Williams CE; Arthur RJ, *Pediatr Radiol* 1988; 18: 349

unusual pericardial cyst location: value of two-dimensional echocardiography in diagnosis, Meloni L; Ruscazio M; Versace R; et al, *J Ultrasound Med* 1988; 7: 519

Perineum, US studies

combined perineal-abdominal sonography in the evaluation of vaginal atresia, Graham D; Nelson MW, *JCU* 1986; 14: 735

Periosteum

case report 480, Yoshida SO; Karjoo R; Johnstone MR, *Skeletal Radiol* 1988; 17: 226

periosteal resorption and periosteal neostosis: comparison of normal subjects and renal failure patients on chronic ambulatory peritoneal dialysis using MOP-3 image analysis system and a grading method, Meema HE; Oreopoulos DG; Murray TM, *Skeletal Radiol* 1986; 15: 14

periosteal sunburst reaction to bone metastases: a literature review and report of 20 additional cases, Bloom RA; Libson E; Husband JE; et al, *Skeletal Radiol* 1987; 16: 629

Periosteum, hemorrhage

subperiosteal hematoma: another scintigraphic "doughnut", Mandell GA; Harcke HT, *Clin Nucl Med* 1986; 11: 35

Periosteum, inflammation

See Periostitis

Periostitis

case report 413, Holmes WS; Pope TL Jr; de Lange E; et al, *Skeletal Radiol* 1987; 16: 163

idiopathic periosteal hyperostosis with dysproteinemia (Goldblum's syndrome): case report and review of the literature, (ab), Cameron BJ; Laxer RM; Wilmot DM; et al, *Radiology* 1988; 167: 886

periosteal reaction in systemic lupus erythematosus, Glickstein MF; Neustadter L; Dalinka MK; et al, *Skeletal Radiol* 1986; 15: 610

periostitis and osteomyelitis in chronic drug addicts, Taylor CR; Lawson JP, *Skeletal Radiol* 1986; 15: 209

periostitis in hypertrophic osteoarthropathy: relationship to disease duration, Pineda CJ; Martinez-Lavin M; Goobar JE; et al, *AJR* 1987; 148: 773

rupture of the posterior tibial tendon: CT and surgical findings, Rosenberg ZS; Jahss MH; Noto AM; Shereff MJ; Cheung Y; Frey CC; Norman A, *Radiology* 1988; 167: 489

scintigraphic demonstration of lower extremity periostitis secondary to venous insufficiency, Gensburg RS; Kawashima A; Sandler CM, *J Nucl Med* 1988; 29: 1279

Peritoneum

annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease, Meyers MA; Oliphant M; Berne AS; Feldberg MAM, *Radiology* 1987; 163: 593

comparative clearance rates of the pleural and peritoneal cavities, (ab), Mavroudis C; Malangoni MA; Katzmark SL; et al, *Radiology* 1988; 168: 292

Peritoneum, calcification

serous carcinoma of the ovary: CT identification of metastatic calcified implants, Mitchell DG; Hill MC; Hill SC; Zaloudek C, *Radiology* 1986; 158: 649

Peritoneum, CT

annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease, Meyers MA; Oliphant M; Berne AS; Feldberg MAM, *Radiology* 1987; 163: 593

ascites or pleural effusion? CT differentiation: four useful criteria, Halvorsen RA Jr; Fedyskin PJ; Korobkin M; Foster WL Jr; Thompson WM, *Radiographics* 1986; 6: 135

calcified peritoneal metastases from papillary cystadenocarcinoma of the ovary: CT features, Pandolfo I; Blandino A; Gaeta M; et al, *JCAT* 1986; 10: 545

computed tomography of posterior pararenal and properitoneal metastases, Posniak HV; Tempny C; Demos TC; et al, *Urol Radiol* 1988; 10: 75

CT appearance of a surgically retained towel (gossypiboma), Sheward SE; Williams AG Jr; Mettler FA Jr; et al, *JCAT* 1986; 10: 343

CT findings of hypervascular malignant peritoneal mesothelioma, Granke DS; Ellis JH; Richmond BD, *Comput Radiol* 1987; 11: 91

CT manifestations of peritoneal carcinomatosis, Walker MM; Friedman AC; Sothra P; et al, *AJR* 1988; 150: 1035

CT of peritoneal lymphomatosis, Lynch MA; Cho KC; Jeffrey RB Jr; et al, *AJR* 1988; 151: 713

CT peritoneography in evaluation of pediatric dialysis complications, Magill HL; Roy S III; Stapleton FB, *AJR* 1986; 147: 325

extraperitoneal paravesical spaces: CT delineation with US correlation, Auh YH; Rubenstein WA; Schneider M; Reckler JM; Whalen JP; Kazam E, *Radiology* 1986; 159: 319

intrapertoneal paravesical spaces: CT delineation with US correlation, Auh YH; Rubenstein WA; Markisz JA; Zirinsky K; Whalen JP; Kazam E, *Radiology* 1986; 159: 311

peritoneal implants from ovarian tumors: CT findings, Buy J-N; Moss AA; Ghossein MA; Sciort C; Malbec L; Vadrot D; Daniel BJ; Decroix Y, *Radiology* 1988; 169: 691

ultrasound and CT of peritoneal recesses and ligaments: pictorial essay, Weill F; Watrin J; Rohmer P; et al, *Ultrasound Med Biol* 1986; 12: 977

Peritoneum, hemorrhage

intrapertoneal bleeding in a patient with a myelodysplastic syndrome, Nishiyama H; Frankl AG; Rauf GC, *Clin Nucl Med* 1987; 12: 399

intrapertoneal hemorrhage after renal biopsy: a grave prognostic sign, Low RN; Jeffrey RB Jr, *AJR* 1988; 151: 113

intrapertoneal hemorrhage diagnosed by technetium-99m labeled RBC imaging, Czarnecki DJ, *Clin Nucl Med* 1986; 11: 617

transcatheter embolization of liver capsule perforation during transvenous liver biopsy, Brailion A; Revert R; Remond A; et al, *Gastrointest Radiol* 1986; 11: 279

Peritoneum, inflammation

See Peritonitis

Peritoneum, neoplasms

calcified peritoneal metastases from papillary cystadenocarcinoma of the ovary: CT features, Pandolfo I; Blandino A; Gaeta M; et al, *JCAT* 1986; 10: 545

colorectal carcinoma: detection with indium-111 anticarcinoma embryonic antigen monoclonal antibody ZCE-025, Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW, *Radiology* 1987; 164: 617

computed tomography of posterior pararenal and properitoneal metastases, Posniak HV; Tempny C; Demos TC; et al, *Urol Radiol* 1988; 10: 75

CT findings of hypervascular malignant peritoneal mesothelioma, Granke DS; Ellis JH; Richmond BD, *Comput Radiol* 1987; 11: 91

CT manifestations of peritoneal carcinomatosis, Walker MM; Friedman AC; Sothra P; et al, *AJR* 1988; 150: 1035

CT of peritoneal lymphomatosis, Lynch MA; Cho KC; Jeffrey RB Jr; et al, *AJR* 1988; 151: 713

malignant mesothelioma arising in the pouch of Douglas: computed tomography appearance, Fannery D; Castillo M; Casillas J, *Comput Med Imag Graph* 1988; 12: 179

peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman M; Schlom J; Larson SM, *Radiology* 1988; 167: 35

peritoneal implants from ovarian tumors: CT findings, Buy J-N; Moss AA; Ghossein MA; Sciort C; Malbec L; Vadrot D; Daniel BJ; Decroix Y, *Radiology* 1988; 169: 691

peritoneal lymphomatosis with ascites: characterization, (ab), Runyon BA; Hoefs JC, *Radiology* 1986; 161: 282

Peritoneum, radionuclide studies

adenocarcinoma of the alimentary tract: peritoneal distribution scintigraphy, Arnstein NB; Wahl RL; Cochran M; Gyves J, *Radiology* 1987; 162: 439

bedside radionuclide scanning in the postoperative management of intraperitoneal sump drains, (ab), Shocket E; Janowitz W, *Radiology* 1987; 162: 290

intrapertoneal hemorrhage diagnosed by technetium-99m labeled RBC imaging, Czarnecki DJ, *Clin Nucl Med* 1986; 11: 617

peritoneal carcinomatosis: imaging with intraperitoneal injection of I-131-labeled B72.3 monoclonal antibody, Carrasquillo JA; Sugarbaker P; Colcher D; Reynolds JC; Esteban J; Bryant G; Perentesis P; Yokoyama K; Rotman M; Schlom J; Larson SM, *Radiology* 1988; 167: 35

Peritoneum, US studies

extraperitoneal paravesical spaces: CT delineation with US correlation, Auh YH; Rubenstein WA; Schneider M; Reckler JM; Whalen JP; Kazam E, *Radiology* 1986; 159: 319

intrapertoneal paravesical spaces: CT delineation with US correlation, Auh YH; Rubenstein WA; Markisz JA; Zirinsky K; Whalen JP; Kazam E, *Radiology* 1986; 159: 311

noncystic appearance of intraperitoneal *Echinococcus* on ultrasonographic examination, Davies RP; Kennedy G; Chatterton BE, *JCU* 1986; 14: 55

ultrasonic appearance of tuberculous peritonitis, Ozkan K; Gurses N; Gurses N, *JCU* 1987; 15: 350

ultrasound and CT of peritoneal recesses and ligaments: pictorial essay, Weill F; Watrin J; Rohmer P; et al, *Ultrasound Med Biol* 1986; 12: 977

Peritonitis

antenatal diagnosis of meconium peritonitis with inguinal hernias by ultrasonography: therapeutic implications, Yankes JR; Bowie JD; Eifmann EL; et al, *J Ultrasound Med* 1988; 7: 221

comparative clearance rates of the pleural and peritoneal cavities, (ab), Mavroudis C; Malangoni MA; Katzmark SL; et al, *Radiology* 1988; 168: 292

disappearance of calcification in meconium peritonitis in a Black African baby, Shija JK, *Pediatr Radiol* 1987; 17: 173

importance of mesenteric vascular insufficiency in meconium peritonitis, (ab), Tibboel D; Gaillard JL; Molenaar JC, *Radiology* 1986; 161: 858

meconium peritonitis masquerading as fetal hydrops, Dillard JP; Edwards DK; Leopold GR, *J Ultrasound Med* 1987; 6: 49

meconium peritonitis: prenatal sonographic findings and their clinical significance, Foster MA; Nyberg DA; Mahony BS; Mack LA; Marks WM; Raabe RD, *Radiology* 1987; 165: 661

sonographic findings of generalized meconium peritonitis presenting as neonatal ascites, Wu C-C, *JCU* 1986; 16: 48

tuberculous peritonitis in children, Nagi B; Duggal R; Gupta R; et al, *Pediatr Radiol* 1987; 17: 282

ultrasonic appearance of tuberculous peritonitis, Ozkan K; Gurses N; Gurses N, *JCU* 1987; 15: 350

Perthes-Calve-Legg disease

See Osteochondritis, deformans juvenilis

Petrous bone

See Temporal bone

Phagocytes and phagocytosis

effects of therapeutic ultrasound on the activity of the mononuclear phagocyte system *in vivo*, Saad AH; Williams AR, *Ultrasound Med Biol* 1986; 12: 145

Phantoms

See also Test objects

accuracy of area measurements made from MR images compared with computed tomography, Zhu XP; Checkley DR; Hickey DS; et al, *JCAT* 1986; 10: 96

agarose as a tissue equivalent phantom material for NMR imaging, Mitchell MD; Kundel HL; Axel L; et al, *Magn Res Imag* 1986; 4: 263

anthropomorphic radiologic phantoms, Yaffe MJ; Johns PC; Nishikawa RM; Mawdsley GE; Caldwell CB, *Radiology* 1986; 158: 550

benchmark measurements for lung dose corrections for X-ray beams, Rice RK; Mijneer BJ; Chin LM, *Int J Radiat Oncol Biol Phys* 1988; 15: 399

CT of the pulmonary nodule: cooperative study, Zerhouni EA; Stitik FP; Siegelman SS; Naidich DP; Sagel SS; Proto AV; Muhm JR; Walsh JW; Martinez CR; Heelan RT; Brantly P; Bozeman RE; Disantis DJ; Ettenger N; McCauley D; Aughenbaugh GL; Brown LR; Miller WE; Litt AW; Leo FF; Fishman EK; Khouri NF, *Radiology* 1986; 160: 319

dedicated CT technique for scanning neonates, Lassen MN, *Radiology* 1986; 161: 363

deep-frozen biologic phantom for performance evaluation of CT scanners, Moström U; Bergstrom K; Pech P; et al, *JCAT* 1986; 10: 1016

digital and conventional chest imaging: modified ROC study of observer performance using simulated nodules, Chakraborty DP; Brensath ES; Yester MV; Soto B; Barnes GT; Fraser RJ, *Radiology* 1986; 158: 35

evaluation of a chest phantom for CT nodule densitometry, de Geer G; Gamsu G; Cann CE; et al, *AJR* 1986; 147: 21

foamed epoxy resin-based lung substitutes, White DR; Constantinou C; Martin RJ, *Br J Radiol* 1986; 59: 787

gamma camera phantom support stand for safer and faster non-uniformity measurement procedures, Hall RC; Etchells AH, *Br J Radiol* 1986; 59: 701

mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Smathers RL; Bush E; Drace J; Stevens M; Sommer FG; Brown BW Jr; Karras B, *Radiology* 1986; 159: 673

mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Wolochow MS, *Radiology* 1987; 162: 679

mammographic microcalcifications: detection with xerography, screen-film, and digitized film display: reply, Smathers RL, *Radiology* 1987; 162: 679

MRI phantom material for quantitative relaxometry, Kraft KA; Faloutsos PP; Clarke GD; et al, *Magn Res Med* 1987; 5: 555

new polyvinyl alcohol gel material for MRI phantoms, Mano I; Goshima H; Nambu M; et al, *Magn Res Med* 1986; 3: 921

performance tests of Doppler ultrasound equipment with a tissue and blood-mimicking phantom, Boote EJ; Zagzebski JA, *J Ultrasound Med* 1988; 7: 137

phantoms for specifications and quality assurance of MR imaging scanners, Goodenough DJ; Weaver KE, *Comput Med Imag Graph* 1988; 12: 193

quantitative CT applications: comparison of current scanners, Cann CE, *Radiology* 1987; 162: 257

Phantoms

quantitative flow measurements on phantoms and on blood vessels with MR. Meier D, Maier S; Böiger P, Magn Res Med 1988; 8: 25

reliability of attenuation measurements in CT of the lumbar spine: evaluation with an anthropomorphic phantom. Mostrom U, Ytterbergh C, JCAT 1988; 12: 474

retrocardiac phantom image on hypocycloidal chest tomograms. Stenoi R; Mootz AR; Landay MJ, Radiology 1986; 161: 671

section thickness and contiguity phantom for MR imaging. Gray JE; Felmlee JP, Radiology 1987; 164: 193

silicone gel phantom suitable for multimodality imaging. Goldstein DC; Kundel HL; Daube-Witherspoon ME; et al, Invest Radiol 1987; 22: 153

three-dimensional finite-difference thermoregulatory model of a squirrel monkey. Spiegel RJ; Fatni MB, Int J Radiat Oncol Biol Phys 1986; 12: 983

versatile test-object for the calibration of ultrasonic Doppler flow instruments. McDicken WN, Ultrasound Med Biol 1986; 12: 245

Pharmacangiography

prostaglandins in diagnostic and therapeutic superior mesenteric artery pharmacangiography. Burgener FA; Gutierrez OH, Invest Radiol 1986; 21: 210

Pharynx

analysis of pressure generation and bolus transit during pharyngeal swallowing. (ab). McConnell FMS, Radiology 1988; 168: 887

cricopharyngeus revisited. Ekberg O, Br J Radiol 1986; 59: 875

influence of bolus volume on swallow-induced hyoid movement in normal subjects. Dodd WJ; Man KM; Cook JJ; et al, AJR 1988; 150: 1307

MRI of facial skeleton and parapharyngeal space. Modder U; Lenz M; Steinbrich W, Eur J Radiol 1987; 7: 6

normal movements of the hyoid bone during swallow. Ekberg O, Invest Radiol 1986; 21: 408

obstructive sleep apnea syndrome: preoperative radiologic evaluation. Hegstrom T; Emmons LL; Hoddes E; et al, AJR 1988; 150: 67

pharyngeal and oesophageal function in patients with diabetes mellitus and swallowing complaints. Borgström PS; Olsson R; Sundkvist G; et al, Br J Radiol 1988; 61: 817

pharyngeal dysfunction after total and subtotal oesophagectomy. Hambræus GM; Ekberg O; Fletcher R, Acta Radiol 1987; 28: 409

pharyngeal function in patients with rheumatoid arthritis of the cervical spine and temporomandibular joint. Ekberg O; Redlund-Johnell I; Sjöblom KG, Acta Radiol 1987; 28: 35

separation of the masticator space from the parapharyngeal space. Curtin HD, Radiology 1987; 163: 195

Pharynx, abnormalities

calcifications of the palatine tonsillar region: CT demonstration. Asperstrand F; Kolbenstvedt A, Radiology 1987; 165: 479

dysfunction of the pharyngo-oesophageal segment in patients with normal opening of the upper oesophageal sphincter: a cineradiographic study. Ekberg O, Br J Radiol 1987; 60: 637

fourth pharyngeal pouch sinus. (ab). Ostfeld E; Segal J; Auslander L; et al, Radiology 1986; 161: 286

velopharyngeal insufficiency on videofluoroscopy: comparison of projections. Stringer DA; Witzel MA, AJR 1986; 146: 15

Pharynx, anatomy

examination of the patient with dysphagia. Jones B; Donner MW, Radiology 1988; 167: 319

lines of the pharynx. Rubesin SE; Jessurun J; Robertson D; Jones B; Bosma JF; Donner MW, Radiographics 1987; 7: 217

Pharynx, CT

calcifications of the palatine tonsillar region: CT demonstration. Asperstrand F; Kolbenstvedt A, Radiology 1987; 165: 479

common tumors of the parapharyngeal space: refined imaging diagnosis. Som PM; Sacher M; Stollman AL; Biller HF; Lawson W, Radiology 1988; 169: 81

CT in the evaluation of the normal and diseased oral cavity and oropharynx. Hardin CW; Harnsberger HR; Osborn AG; et al, Semin US CT MR 1986; 7: 131

imaging the laryngopharynx. Lufkin RB; Hanafee WN, Semin US CT MR 1986; 7: 166

magnetic resonance imaging versus computed tomography: comparison in imaging oral cavity and pharyngeal carcinomas. (ab). Schaefer SD; Maravilla KR; Suss RA; et al, Radiology 1986; 160: 860

Pharynx, MR studies

common tumors of the parapharyngeal space: refined imaging diagnosis. Som PM; Sacher M; Stollman AL; Biller HF; Lawson W, Radiology 1988; 169: 81

imaging the laryngopharynx. Lufkin RB; Hanafee WN, Semin US CT MR 1986; 7: 166

magnetic resonance imaging versus computed tomography: comparison in imaging oral cavity and pharyngeal carcinomas. (ab). Schaefer SD; Maravilla KR; Suss RA; et al, Radiology 1986; 160: 860

MR imaging of the oropharynx and tongue: comparison of plain and Gd-DTPA studies. Vogl T; Brünig R; Grevers G; et al, JCAT 1988; 12: 427

tumors of the parapharyngeal space and upper neck: MR imaging characteristics. Som PM; Braun IF; Shapiro MD; Reede DL; Curtin HD; Zimmerman RA, Radiology 1987; 164: 823

Pharynx, neoplasms

advanced head and neck cancer: response to and toxicity of multimodality therapy. Chang H; Leone LA; Tefft M; Nigri PT, Radiology 1988; 168: 863

computed tomography of calcified synovial sarcoma of the hypopharynx. Fannery D; Castillo M; Lerner HH, JCAT 1988; 12: 687

embolization in catcylsomal hemorrhage caused by squamous cell carcinomas of the head and neck. Wilner HJ; Lazo A; Metes JJ; Beil KA; Nowack P; Jacobs J, Radiology 1987; 163: 759

local control of oropharyngeal carcinoma after two accelerated hyperfractionation radiation therapy schemes. Wang CC, Int J Radiat Oncol Biol Phys 1988; 14: 1143

magnetic resonance imaging versus computed tomography: comparison in imaging oral cavity and pharyngeal carcinomas. (ab). Schaefer SD; Maravilla KR; Suss RA; et al, Radiology 1986; 160: 860

malignant teratoma of the parapharyngeal space in an adult: rare lesion presenting as cervical cord compression. Sacher M; Som PM; Lanzieri CF; et al, CT 1986; 10: 37

pharyngeal Kaposi's sarcoma in patients with AIDS. Emery CD; Wall SD; Federle MP; et al, AJR 1986; 147: 919

primary radiotherapy of squamous cell carcinoma of the oropharynx and pharyngolarynx: tentative multivariate modelling system to predict the radiotherapy of neck nodes. Bataini J-P; Bernier J; Asselain B; et al, Int J Radiat Oncol Biol Phys 1988; 14: 635

salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5-year results of 70 cases. Mazoner J-J; Langlois D; Glaubiger D; et al, Int J Radiat Oncol Biol Phys 1987; 13: 957

tumors of the parapharyngeal space. (ab). Shoss SM; Donovan DT; Alford BR, Radiology 1986; 161: 286

tumors of the parapharyngeal space and upper neck: MR imaging characteristics. Som PM; Braun IF; Shapiro MD; Reede DL; Curtin HD; Zimmerman RA, Radiology 1987; 164: 823

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

lines of the pharynx. Rubesin SE; Jessurun J; Robertson D; Jones B; Bosma JF; Donner MW, Radiographics 1987; 7: 217

Pharynx, stenosis

cricopharyngeal ring: case report. Cumming WA; Akhtar M; Ferentzi C; et al, Pediatr Radiol 1986; 16: 152

Pharynx, therapeutic radiology

bleomycin, methotrexate and vincristine before irradiation of stage III and IV laryngeal and pharyngeal squamous cell carcinoma. Hansen HS; Rygaard J; Andersen AP; et al, Acta Oncol 1987; 26: 13

brachytherapy of tumour recurrences in the region of the pharynx and oral cavity by means of a remote-controlled afterloading technique. Bauer M; Schulz-Wendland R; Fritz P; et al, Br J Radiol 1987; 60: 477

comparative review of the Hammersmith (1971-75) and Edinburgh (1977-82) neutron therapy trials of certain cancers of the oral cavity, oropharynx, larynx and hypopharynx. Medical Research Council Neutron Therapy Working Group, Br J Radiol 1986; 59: 429

enhanced mucosal reactions in AIDS patients receiving oropharyngeal irradiation. Watkins EB; Findlay P; Gelmann E; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1403

history of irradiation in squamous cell carcinomas of the larynx and hypopharynx. Fletcher GH, Int J Radiat Oncol Biol Phys 1986; 12: 2019

hyperfractionated photon radiation therapy in the treatment of advanced squamous cell carcinoma of the oral cavity, pharynx, larynx, and sinuses, using radiation therapy as the only planned modality: (preliminary report) by the Radiation Therapy Oncology Group (RTOG). Marcial VA; Pajak TF; Chang C; et al, Int J Radiat Oncol Biol Phys 1987; 13: 41

impact of neck node radioresponsiveness on the regional control probability in patients with oropharynx and pharyngolarynx cancers managed by definitive radiotherapy. Bataini J-P; Bernier J; Jaulerry C; et al, Int J Radiat Oncol Biol Phys 1987; 13: 817

local control of oropharyngeal carcinoma after two accelerated hyperfractionation radiation therapy schemes. Wang CC, Int J Radiat Oncol Biol Phys 1988; 14: 1143

primary radiotherapy of larynx and pharynx carcinoma—an analysis of some factors influencing local control and survival. Overgaard J; Hansen HS; Jorgensen K; et al, Int J Radiat Oncol Biol Phys 1986; 12: 515

primary radiotherapy of squamous cell carcinoma of the oropharynx and pharyngolarynx: tentative multivariate modelling system to predict the radiotherapy of neck nodes. Bataini J-P; Bernier J; Asselain B; et al, Int J Radiat Oncol Biol Phys 1988; 14: 635

salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5-year results of 70 cases. Mazoner J-J; Langlois D; Glaubiger D; et al, Int J Radiat Oncol Biol Phys 1987; 13: 957

salvage irradiation of oropharynx and mobile tongue about 192 iridium brachytherapy in Centre Alexis Vautrin, Langlois D; Hoffstetter S; Malissard L; et al, Int J Radiat Oncol Biol Phys 1988; 14: 849

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

update on low dose rate irradiation for cancers of the oropharynx—May 1986. Pierquin B; Calitchi E; Mazoner JJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 259

- comparative imaging: pheochromocytoma, Schroeder BA, Wells RG, Sty JR, Clin Nucl Med 1987; 12: 148
- cystic pheochromocytoma with inadvertent needle biopsy and glucagon administration, Lembke T, Greenberg H, J Canad Assoc Radiol 1987; 38: 232
- duodenal carcinoid tumours, pheochromocytoma and neurofibromatosis: islet cell tumour, pheochromocytoma and the Von Hippel-Landau complex: two distinctive neuroendocrine syndromes, (ab), Griffiths DFR, Williams GT, Williams ED, Radiology 1988; 167: 586
- experience with I-131-metiodobenzylguanidine (MIBG): retrospective study, Chan R, Warshawski RS, Scott J, et al, J Canad Assoc Radiol 1987; 38: 35
- extraadrenal pheochromocytoma: detection during pregnancy using MR imaging, Greenberg M, Moawad AH, Wietes BM, Goldberg LI, Kaplan EI, Greenberg B, Lindheimer MD, Radiology 1986; 161: 475
- iodine-131 MIBG scintigraphy of the extremities in metastatic pheochromocytoma and neuroblastoma, Shulkin BL, Shen SW, Sisson JC, et al, J Nucl Med 1987; 28: 315
- metabolism of iodine-131 metiodobenzylguanidine in patients with metastatic pheochromocytoma, Mangner TJ, Tobes MC, Wieland DM, et al, J Nucl Med 1986; 27: 37
- MR imaging of inferior vena caval recurrence of extraadrenal pheochromocytoma, Levine E, de Vries P, Wetzel LH, JCAT 1987; 11: 717
- MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, Radiology 1988; 166: 303
- pheochromocytoma and paraganglioma: comparison of MR imaging with CT and I-131 MIBG scintigraphy, Quint LE, Glazer GM, Francis IR, Shapiro B, Chenevert TL, Radiology 1987; 165: 89
- pheochromocytoma: detection by unenhanced CT, Radin DR, Ralls PW, Boswell WD Jr, et al, AJR 1986; 146: 741
- pheochromocytoma of the urinary bladder, Lenders JWM, Sluiter HE, Rosenbusch G, et al, Eur J Radiol 1987; 7: 274
- pheochromocytoma presenting as musculoskeletal pain from bone metastases, Lynn MD, Braunstein EM, Shapiro B, Skeletal Radiol 1987; 16: 552
- primary extra-adrenal pheochromocytoma: positive I-123 MIBG imaging with negative I-131-MIBG imaging, Shulkin BL, Shapiro B, Francis IR, et al, Clin Nucl Med 1986; 11: 851
- recurrent pheochromocytoma: intrarenal and pulmonary spread, Puech JL, Song MY, Rousseau H, et al, Urol Radiol 1986; 8: 49
- serendipity in technetium-99m DTPA renal dynamic study, Padhy AK, Gopinath PG, Reddy KG, et al, Clin Nucl Med 1987; 12: 31
- Sipple's syndrome with liver tumors examined by iodine-131 MIBG and technetium-99m(V)-DMSA, Ohta H, Endo K, Fujita T, et al, J Nucl Med 1988; 29: 1130
- unsuspected pheochromocytoma: risk of blood-pressure alterations during percutaneous adrenal biopsy, Casola G, Nicolet V, vanSonnenberg E, Withers C, Bretagnolle M, Saba RM, Radiology 1986; 159: 733
- uptake of iodine-123 MIBG by pheochromocytomas, paragangliomas, and neuroblastomas: histopathological comparison, Bomanji J, Levison DA, Flatman WD, et al, J Nucl Med 1987; 28: 973
- Phlebography**
See Venography
- Phosphate**
tibial bowing exacerbated by partial premature epiphyseal closure in sex-linked hypophosphatemic rickets, McAlister WH, Kim GS, Whyte MP, Radiology 1987; 162: 461
- Phosphorus, radioactive**
See Radionuclides, therapeutic
- Photons**
choice of optimum megavoltage for accelerators for photon beam treatment, Laughlin JS, Mohan R, Kutcher GJ, Int J Radiat Oncol Biol Phys 1986; 12: 1551
- evaluation of incorporated iododeoxyuridine cellular radiosensitization by photon activation therapy, Miller RW, DeGraff W, Kinsella TJ, et al, Int J Radiat Oncol Biol Phys 1987; 13: 1193
- experimental derivation of β for high-energy photons, Sibata CH, Paliwal BR, Attix FH, Br J Radiol 1988; 61: 600
- treatment planning study for carcinoma of the esophagus: helium ions versus photons, Zink SR, Lyman JT, Castro JR, et al, Int J Radiat Oncol Biol Phys 1988; 14: 993
- Photoradiography**
photoradiation diagnosis and therapy: dermatologic and photobiologic aspects, Bickers DR, Invest Radiol 1986; 21: 885
- Physics**
theoretical evaluation of expected changes in oxygenation of tumors associated with different hemoglobin levels, Degner FL, Sutherland RM, Int J Radiat Oncol Biol Phys 1986; 12: 1291
- use of ultrasound by physiotherapists in Britain, 1985, ter Haar G, Dyson M, Oakley EM, Ultrasound Med Biol 1987; 13: 659
- varying gradient angles and offsets to optimize imaging planes in MR, Slone RM, Buck LL, Fitzsimmons JR, Radiology 1986; 158: 531
- Pineal body, CT**
computed tomography of familial pineoblastoma, Feyster RG, Ginsberg F, Hoover ED, JCAT 1986; 10: 32
- CT of pineal region tumors, Ganti SR, Hilal SK, Stein BM, et al, AJNR 1986; 7: 97
- pineal germinoma: MR imaging, Kilgore DP, Strother CM, Starshak RJ, Haughton VM, Radiology 1986; 158: 435
- Pineal body, cysts**
MR imaging of pineal cysts, Lee DH, Norman D, Newton TH, JCAT 1987; 11: 586
- pineal cysts: MR imaging, Mamourian AC, Towfighi J, AJNR 1986; 7: 1081
- Pineal body, MR studies**
benign cystic pineal lesions by magnetic resonance imaging, Lum GB, Williams JP, Machen BC, et al, CT 1987; 11: 228
- MR imaging in tumors of the pineal region, Müller-Forell W, Schroth G, Egan PJ, Neuroradiol 1988; 30: 224
- MR imaging of pineal cysts, Lee DH, Norman D, Newton TH, JCAT 1987; 11: 586
- pineal cysts: MR imaging, Mamourian AC, Towfighi J, AJNR 1986; 7: 1081
- Pineal body, neoplasms**
computed tomography of familial pineoblastoma, Feyster RG, Ginsberg F, Hoover ED, JCAT 1986; 10: 32
- CT of pineal region tumors, Ganti SR, Hilal SK, Stein BM, et al, AJNR 1986; 7: 97
- diagnostic stereotaxic and traitement des tumeurs de la région pineale (stereotactic diagnosis and treatment of tumours of the pineal region), Frank F, Finizio FS, Ruggiero G, et al, J Neuroradiol 1986; 13: 137
- germinal-cell tumor of the pineal gland, Naidich TP, Cacayorin ED, Stewart WA, et al, AJR 1986; 146: 1246
- MR imaging in tumors of the pineal region, Müller-Forell W, Schroth G, Egan PJ, Neuroradiol 1988; 30: 224
- pineal germinoma: MR imaging, Kilgore DP, Strother CM, Starshak RJ, Haughton VM, Radiology 1986; 158: 435
- suprasellar germinoma: radiation therapy, Fields JN, Fulling KH, Thomas PRM, Marks JE, Radiology 1987; 164: 247
- Pituitary**
case report: pituitary enlargement associated with Addison's disease, Mineura K, Goto T, Yoneya M, et al, Clin Radiol 1987; 38: 435
- hypothalamic-pituitary dysfunction in primary empty sella syndrome in childhood, (ab), Shulman DI, Martinez CR, Bercu BB, et al, Radiology 1986; 160: 861
- pituitary enlargement mimicking pituitary tumor, (ab), Bilaniuk LT, Moshang T, Cara J, et al, Radiology 1986; 159: 573
- post-traumatic diabetes insipidus and amenorrhea-galactorrhea syndrome after pituitary stalk rupture, Massol J, Humbert P, Cattin F, et al, Neuroradiol 1987; 29: 299
- symptomatic hypothalamic-pituitary dysfunction in nasopharyngeal carcinoma patients following radiation therapy: a retrospective study, Lam KSL, Ho JHC, Lee AWM, et al, Int J Radiat Oncol Biol Phys 1987; 13: 1343
- Pituitary, anatomy**
MR imaging findings in the posterior pituitary gland, Fujisawa I, Asato R, Radiology 1988; 168: 282
- MR imaging findings in the posterior pituitary gland: reply, Colombo N, Berry I, Kucharczyk J, Kucharczyk W, Radiology 1988; 168: 282
- posterior pituitary gland: appearance on MR images in normal and pathologic states, Colombo N, Berry I, Kucharczyk J, Kucharczyk W, de Groot J, Larson T, Norman D, Newton TH, Radiology 1987; 165: 481
- Pituitary, CT**
computed tomography of hemorrhage in a pituitary adenoma without apoplexy, Farikh VF, Talwar I, CT 1988; 12: 187
- CT of the normal pituitary gland, Peyster RG, Adler LP, Viscarello RK, et al, Neuroradiol 1986; 28: 161
- Cushing syndrome: pituitary CT scanning, Saris SC, Patronas NJ, Doppman JL, Loriaux DL, Cutler GB Jr, Nieman LK, Chrousos GP, Oldfield EH, Radiology 1987; 162: 775
- diagnostic accuracy of preoperative CT scanning in the evaluation of pituitary ACTH-secreting adenomas, Marcovitz S, Wee R, Chan J, et al, AJNR 1987; 8: 641
- diagnostic accuracy of preoperative CT scanning of pituitary prolactinomas, Marcovitz S, Wee R, Chan J, et al, AJNR 1988; 9: 13
- diagnostic accuracy of preoperative CT scanning of pituitary somatotrophic adenomas, Marcovitz S, Wee R, Chan J, et al, AJNR 1988; 9: 19
- high-resolution computed tomography in pituitary microadenomas: is seeing believing?, Teasdale E, Teasdale G, Mohsen F, et al, Clin Radiol 1986; 37: 227
- multiple myeloma mimicking pituitary adenoma, Bitterman P, Ariza A, Black RA, et al, Comput Radiol 1986; 4: 201
- pediatric case of the day: annual meeting, 1986, Towbin RB, Ball WS Jr, Kaufman RA, Radiographics 1987; 7: 385
- pituitary and adrenal CT of Cushing syndrome, Pojunaas KW, Daniels DL, Williams AL, et al, AJNR 1986; 7: 271
- pituitary and adrenal CT of Cushing syndrome, Pojunaas KW, Daniels DL, Williams AL, et al, AJR 1986; 146: 1235
- pituitary dwarfism: CT evaluation of the pituitary gland, Inoue Y, Nemoto Y, Fujita K, Aoki H, Takemoto K, Tsukamoto Y, Oda J, Onoyama Y, Radiology 1986; 159: 171
- pituitary mass after transphenoidal hypophysectomy, Teng MMH, Huang C-I, Chang T, AJNR 1988; 9: 23
- pituitary size in hypothyroidism as determined by computed tomography, Walsley D, Messios N, O'Malley BP, et al, Br J Radiol 1987; 60: 935
- pseudotumor artifact of the dorsum sella in CT scanning, Tihansky DP, Crossen J, Markowitz H, Comput Radiol 1987; 11: 241
- Rathke cleft cysts: CT, MR imaging, and pathologic features, Kucharczyk W, Peck WW, Kelly WM, Norman D, Newton TH, Radiology 1987; 165: 491
- Pituitary, diseases**
hemochromatosis of the pituitary gland: MR imaging, Fujisawa I, Morikawa M, Nakano Y, Konishi J, Radiology 1988; 168: 213
- intracranial histiocytosis X: case report, Beers GJ, Manson J, Carter AF, et al, CT 1986; 10: 237
- pituitary atrophy in Korean (epidemic) hemorrhagic fever: CT correlation with pituitary function and visual field, Lim TH, Chang KH, Han MC, et al, AJNR 1986; 7: 633
- transection of the pituitary stalk: development of an ectopic posterior lobe assessed with MR imaging, Fujisawa I, Kikuchi K, Nishimura K, Togashi K, Itoh K, Noma S, Minami S, Sagoh T, Hiraoka T, Momoi T, Mikawa H, Nakano Y, Itoh H, Konishi J, Radiology 1987; 165: 487

Pituitary, hypopituitarism

Pituitary, hypopituitarism

pituitary dwarfism: CT evaluation of the pituitary gland, Inoue Y; Nemoto Y; Fujita K; Aoki H; Takemoto K; Tsukamoto Y; Oda J; Onoyama Y, *Radiology* 1986; 159: 171

transection of the pituitary stalk: development of an ectopic posterior lobe assessed with MR imaging, Fujisawa I; Kikuchi K; Nishimura K; Togashi K; Itoh K; Noma S; Minami S; Sagoh T; Hiraoka T; Momoi T; Mikawa H; Nakano Y; Itoh H; Konishi J, *Radiology* 1987; 165: 487

Pituitary, MR studies

1.5-T MR imaging of pituitary microadenomas: technical considerations and CT correlation, Kulkarni MV; Lee KF; McArdle CB; et al, *AJNR* 1988; 9: 5

anterior and posterior lobes of the pituitary gland: assessment by 1.5 T MR imaging, Fujisawa I; Asato R; Nishimura K; et al, *JCAT* 1987; 11: 214

bright pituitary gland—a normal MR appearance in infancy, Wolpert SM; Osborne M; Anderson M; et al, *AJNR* 1988; 9: 1

diabetes insipidus secondary to intracranial sarcoidosis confirmed by low-field magnetic resonance imaging, Lewis R; Wilson J; Smith FW, *Magn Res Med* 1987; 5: 466

explanation and implications of MR signal changes within pituitary adenomas after bromocriptine therapy, Weissbuch SS, *AJNR* 1986; 7: 214

gadolinium-DTPA and MR imaging of pituitary adenoma: a preliminary report, Davis PC; Hoffman JC Jr; Malko JA; et al, *AJNR* 1987; 8: 817

hemochromatosis of the pituitary gland: MR imaging, Fujisawa I; Morikawa M; Nakano Y; Konishi J, *Radiology* 1988; 168: 213

in vitro assessment of MR relaxation properties of pituitary adenomas, Pasztor E; Kemeny AA; Tompa K; et al, *JCAT* 1987; 11: 378

magnetic resonance imaging of the pituitary gland, Glaser B; Sheinfeld M; Benmair J; et al, *Clin Radiol* 1986; 37: 9

MR imaging findings in the posterior pituitary gland, Fujisawa I; Asato R, *Radiology* 1988; 168: 282

MR imaging findings in the posterior pituitary gland: reply, Colombo N; Berry I; Kucharczyk J; Kucharczyk W, *Radiology* 1988; 168: 282

MR imaging of pituitary adenoma: CT, clinical, and surgical correlation, Davis PC; Hoffman JC Jr; Spencer T; et al, *AJNR* 1987; 8: 107

MR imaging of pituitary tumors before and after surgical and/or medical treatment, Mikhael MA; Ciric IS, *JCAT* 1988; 12: 441

MR imaging of prolactin-secreting microadenomas, Pojunaas KW; Daniels DL; Williams AL; et al, *AJNR* 1986; 7: 209

pituitary adenomas: high-resolution MR imaging at 1.5 T, Kucharczyk W; Davis DO; Kelly WM; Sze G; Norman D; Newton TH, *Radiology* 1986; 161: 761

pituitary adenomas in patients with Cushing disease: initial experience with Gd-DTPA-enhanced MR imaging, Dwyer AJ; Frank JA; Doppman JL; Oldfield EH; Hickey AM; Cutler GB Jr; Loriaux DL; Schiavone TF, *Radiology* 1987; 163: 421

pituitary fossa: chemical shift effect in MR imaging, Houghton VM; Prost R, *Radiology* 1986; 158: 461

posterior lobe of the pituitary: identification by lack of chemical shift artifact in MR imaging, Nishimura K; Fujisawa I; Togashi K; et al, *JCAT* 1986; 10: 899

posterior lobe of the pituitary in diabetes insipidus: MR findings, Fujisawa I; Nishimura K; Asato R; et al, *JCAT* 1987; 11: 221

posterior pituitary ectopia: an MR feature of pituitary dwarfism, Kelly WM; Kucharczyk W; Kucharczyk J; et al, *AJNR* 1988; 9: 453

posterior pituitary gland: appearance on MR images in normal and pathologic states, Colombo N; Berry I; Kucharczyk J; Kucharczyk W; de Groot J; Larson T; Norman D; Newton TH, *Radiology* 1987; 165: 481

post-traumatic diabetes insipidus: MR demonstration of pituitary stalk rupture, Halimi P; Sigal R; Doyon D; et al, *JCAT* 1988; 12: 135

quantitative magnetic resonance imaging of estradiol-induced pituitary hyperplasia in rats, Rudin M; Briner U; Doepfner W, *Magn Res Med* 1988; 7: 285

Rathke cleft cysts: CT, MR imaging, and pathologic features, Kucharczyk W; Peck WW; Kelly WM; Norman D; Newton TH, *Radiology* 1987; 165: 491

transection of the pituitary stalk: development of an ectopic posterior lobe assessed with MR imaging, Fujisawa I; Kikuchi K; Nishimura K; Togashi K; Itoh K; Noma S; Minami S; Sagoh T; Hiraoka T; Momoi T; Mikawa H; Nakano Y; Itoh H; Konishi J, *Radiology* 1987; 165: 487

Pituitary, neoplasms

1.5-T MR imaging of pituitary microadenomas: technical considerations and CT correlation, Kulkarni MV; Lee KF; McArdle CB; et al, *AJNR* 1988; 9: 5

amino acid distribution and metabolism in pituitary adenomas using positron emission tomography with D-[11C]methionine and L-[11C]methionine, Bergstrom M; Muhr C; Lundberg PO; et al, *JCAT* 1987; 11: 384

case report: pituitary apoplexy: unusual cause of stroke, Clark JDA; Freer CEL; Wheatley T, *Clin Radiol* 1987; 38: 75

clinical and histopathological characteristics of gonadotropin-producing pituitary adenomas, (ab), Miura M; Matsukado Y; Kodama T; et al, *Radiology* 1986; 158: 286

computed tomography of hemorrhage in a pituitary adenoma without apoplexy, Parikh VP; Talwar I, *CT* 1988; 12: 187

CT iopamidol cisternographic diagnosis of coexisting partial empty sella and pituitary adenoma: report of two cases, Pompili A; Iachetti M; Bianchini AL; et al, *Neuroradiol* 1987; 29: 93

Cushing syndrome: pituitary CT scanning, Saris SC; Patronas NJ; Doppman JL; Loriaux DL; Cutler GB Jr; Nieman LK; Chrousos GP; Oldfield EH, *Radiology* 1987; 162: 775

diagnostic accuracy of preoperative CT scanning in the evaluation of pituitary ACTH-secreting adenomas, Marcovitz S; Wee R; Chan J; et al, *AJNR* 1987; 8: 641

diagnostic accuracy of preoperative CT scanning of pituitary prolactinomas, Marcovitz S; Wee R; Chan J; et al, *AJNR* 1988; 9: 13

diagnostic accuracy of preoperative CT scanning of pituitary somatotrophic adenomas, Marcovitz S; Wee R; Chan J; et al, *AJNR* 1988; 9: 19

differentiation of large suprasellar masses by evaluation of the superior margin, Lanzieri CF; Sacher M; Solodnik P; et al, *CT* 1986; 10: 215

dopamine receptors in pituitary adenomas: PET visualization with ¹¹C-N-methylspiperone, Muhr C; Bergstrom M; Lundberg PO; et al, *JCAT* 1986; 10: 175

gadolinium-DTPA and MR imaging of pituitary adenoma: a preliminary report, Davis PC; Hoffman JC Jr; Malko JA; et al, *AJNR* 1987; 8: 817

high-resolution computed tomography in pituitary microadenoma: is seeing believing? Teasdale E; Teasdale G; Mohsen F; et al, *Clin Radiol* 1986; 37: 227

in vitro assessment of MR relaxation properties of pituitary adenomas, Pasztor E; Kemeny AA; Tompa K; et al, *JCAT* 1987; 11: 378

macronodular adrenal hyperplasia in Cushing disease, Doppman JL; Miller DL; Dwyer AJ; Loughlin T; Nieman L; Cutler GB; Chrousos GP; Oldfield E; Loriaux DL, *Radiology* 1988; 166: 347

MR image-guided P-31 MR spectroscopy in the evaluation of brain tumor treatment, Segebarth CM; Baleriaux DF; Arnold DL; Luyten PR; den Hollander JA, *Radiology* 1987; 165: 215

MR imaging findings in the posterior pituitary gland, Fujisawa I; Asato R, *Radiology* 1988; 168: 282

MR imaging findings in the posterior pituitary gland: reply, Colombo N; Berry I; Kucharczyk J; Kucharczyk W, *Radiology* 1988; 168: 282

MR imaging of cavernous sinus involvement by pituitary adenomas, Scotti G; Yu C-Y; Dillon WP; et al, *AJNR* 1988; 9: 657

MR imaging of pituitary adenoma: CT, clinical, and surgical correlation, Davis PC; Hoffman JC Jr; Spencer T; et al, *AJNR* 1987; 8: 107

MR imaging of pituitary tumors before and after surgical and/or medical treatment, Mikhael MA; Ciric IS, *JCAT* 1988; 12: 441

MR imaging of prolactin-secreting microadenomas, Pojunaas KW; Daniels DL; Williams AL; et al, *AJNR* 1986; 7: 209

pituitary adenomas: high-resolution MR imaging at 1.5 T, Kucharczyk W; Davis DO; Kelly WM; Sze G; Norman D; Newton TH, *Radiology* 1986; 161: 761

pituitary adenomas in patients with Cushing disease: initial experience with Gd-DTPA-enhanced MR imaging, Dwyer AJ; Frank JA; Doppman JL; Oldfield EH; Hickey AM; Cutler GB Jr; Loriaux DL; Schiavone TF, *Radiology* 1987; 163: 421

pituitary adenoma with seizures: PET demonstration of reduced glucose utilization in the medial temporal lobe, Bairamian D; Di Chiro G; Blume H; et al, *JCAT* 1986; 10: 529

pituitary mass after transphenoidal hypophysectomy, Teng MMH; Huang C-I; Chang T, *AJNR* 1988; 9: 23

posterior pituitary gland: appearance on MR images in normal and pathologic states, Colombo N; Berry I; Kucharczyk J; Kucharczyk W; de Groot J; Larson T; Norman D; Newton TH, *Radiology* 1987; 165: 481

radiotherapy in the treatment of pituitary adenomas, Chun M; Masko GB; Hetelekidis S, *Int J Radiat Oncol Biol Phys* 1988; 15: 305

rapid decrease in amino acid metabolism in prolactin-secreting pituitary adenomas after bromocriptine treatment: a PET study, Bergstrom M; Muhr C; Lundberg PO; et al, *JCAT* 1987; 11: 815

spontaneous regression of pituitary mass in temporal association with pregnancy, Ikeda H; Okudaira Y, *Neuroradiol* 1987; 29: 488

suprasellar lesions: evaluation with MR imaging, Karnaz MG; Sartor K; Winthrop JD; Gado MH; Hodges FJ III, *Radiology* 1986; 161: 77

tension pneumocephalus five years after intracranial resection of pituitary adenoma—a case report, Fleming MS; Numaguchi Y; Nadell JA; et al, *CT* 1988; 12: 86

transient intrasellar collection of air during bromocriptine treatment of a prolactinoma, Fagel WJ; Hekster REM; Smith SJ; et al, *Neuroradiol* 1986; 28: 364

Pituitary, radionuclide studies

amino acid distribution and metabolism in pituitary adenomas using positron emission tomography with D-[11C]methionine and L-[11C]methionine, Bergstrom M; Muhr C; Lundberg PO; et al, *JCAT* 1987; 11: 384

normal pituitary examined with positron emission tomography and (methyl-¹¹C)-L-methionine and (methyl-¹¹C)-D-methionine, Bergstrom M; Muhr C; Ericson K; et al, *Neuroradiol* 1987; 29: 221

Placenta

placental abruption associated with cocaine abuse, Townsend RR; Laing FC; Jeffrey RB Jr, *AJR* 1988; 150: 1339

placental changes in fetal triploidy syndrome, Rubenstein JB; Swayne LC; Dase CA; et al, *J Ultrasound Med* 1986; 5: 545

sonographic diagnosis of the bilobate placenta, Anguaco TL; Boyd CM; Marks SR; et al, *J Ultrasound Med* 1986; 5: 672

Placenta, abnormalities

elevated alpha-fetoprotein and a normal fetal sonogram: association with placental abnormalities, Fleischer AC; Kurtz AB; Wapner RJ; et al, *AJR* 1988; 150: 881

- placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome, Nyberg DA; Mack LA; Benedetti TJ; Cyr DR; Schuman WP, *Radiology* 1987; 164: 357
- potential placenta previa: definition, frequency, and significance, Gallagher P; Fagan CJ; Bedi DG; et al, *AJR* 1987; 149: 1013
- sonographic diagnosis of placenta accreta: presentation of six cases, de Mendonça LK, *J Ultrasound Med* 1988; 7: 211
- sonographic spectrum of placental abruption, Nyberg DA; Cyr DR; Mack LA; et al, *AJR* 1987; 148: 161
- technical factors responsible for "placental migration": sonographic assessment, Townsend RR; Laing FC; Nyberg DA; Jeffrey RB Jr; Wing VW, *Radiology* 1986; 160: 105
- vasa previa, Reuter KL; Davidoff A; Hunter T, *JCU* 1988; 16: 346
- Placenta, hemorrhage**
- abruptio placentae: apparent thickening of the placenta caused by hyperechoic retroplacental clot, Mintz MC; Kurtz AB; Arenson R; et al, *J Ultrasound Med* 1986; 5: 411
- placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome, Nyberg DA; Mack LA; Benedetti TJ; Cyr DR; Schuman WP, *Radiology* 1987; 164: 357
- sonographic appearance of blood in the fetal stomach and its association with placental abruption, Walker JM; Ferguson DD, *J Ultrasound Med* 1988; 7: 155
- vasa previa, Reuter KL; Davidoff A; Hunter T, *JCU* 1988; 16: 346
- Placenta, localization**
- technical factors responsible for "placental migration": sonographic assessment, Townsend RR; Laing FC; Nyberg DA; Jeffrey RB Jr; Wing VW, *Radiology* 1986; 160: 105
- Placenta, neoplasms**
- pitfall to avoid: chorioangioma of the placenta simulating fetal tumor, Wolfe BK; Wallace JHK, *JCU* 1987; 15: 405
- placental chorioangioma, an unusual cause of polyhydramnios: antenatal diagnosis, Zalev AH, *J Canad Assoc Radiol* 1986; 37: 60
- placental chorioangioma: rare cause of elevated amniotic fluid alpha-fetoprotein, Willard DA; Moeschler JB, *J Ultrasound Med* 1986; 5: 221
- Placenta, US studies**
- See also Fetuses, US studies; Pregnancy, US studies
- assessment of utero-placental blood flow velocity wave forms in a pregnant patient with systemic lupus erythematosus, Meizner I; Katz M; Press F, *JCU* 1988; 16: 55
- evaluation of the use of texture measurements for the tissue characterisation of ultrasonic images of *in vivo* human placentae, Morris DT, *Ultrasound Med Biol* 1988; 14: 387
- placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome, Nyberg DA; Mack LA; Benedetti TJ; Cyr DR; Schuman WP, *Radiology* 1987; 164: 357
- Plasmacytoma**
- case report: bilateral testicular plasmacytoma, Taylor RE; Duncan W; Parker AC, *Clin Radiol* 1986; 37: 293
- extramedullary plasmacytoma of the rectum: two cases treated by radiotherapy, Price A; Quilty PM; Ludgate SM, *Clin Radiol* 1987; 38: 283
- extramedullary plasmacytoma of the sinusal cavities: CT evaluation, Kondo M; Hashimoto S; Inuyama Y; et al, *JCAT* 1986; 10: 841
- extramedullary plasmacytoma of the thyroid, Salazar JE; Nelson JF; Winer-Muram HT, *J Canad Assoc Radiol* 1987; 38: 136
- hepatic plasmacytoma: sonographic and CT findings, Mathieu D; Elouaer-Blanc L; Divine M; et al, *JCAT* 1986; 10: 144
- plasmacytoma of the head and neck, Gaffney CC; Dawes PDK; Jackson D, *Clin Radiol* 1987; 38: 385
- plasmacytoma of the lumbar spine by SPECT, Hartshorne MF; Cawthon MA; Bauman JM, *Clin Nucl Med* 1986; 11: 65
- posterior fossa plasmacytoma: computed tomographic findings, Weisberg LA, *Comput Radiol* 1986; 10: 141
- solitary plasmacytoma of the spine (a case report and review of literature), Mohan V; Sabri T; Marklund T; et al, *Australas Radiol* 1988; 32: 272
- sonographic detection of testicular plasmacytoma, Benson CB; Deligdisch CK; Loughlin KR, *JCU* 1987; 15: 490
- unusual patterns of solitary sacral plasmacytoma, Lanzieri CF; Sacher M; Solodnik P; et al, *AJNR* 1987; 8: 566
- Platelets**
- See Blood, platelets
- Plethysmography**
- contrast venography: reassessment of its role, Naidich JB; Feinberg AW; Karp-Harman H; Karmel MI; Tuma CG; Stein HL, *Radiology* 1988; 168: 97
- lower-extremity venous thrombosis: comparison of venography, impedance plethysmography, and intravenous manometry, Cardella JF; Young AT; Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Knighton D; Nelson D; Amplatz K, *Radiology* 1988; 168: 109
- segmental air plethysmography in the diagnosis of deep vein thrombosis, (ab), van Rijn ABB; Heller I; Van Zijl J, *Radiology* 1988; 168: 294
- Pleura**
- comparative clearance rates of the pleural and peritoneal cavities, (ab), Mavroudis C; Malangoni MA; Katzmark SL; et al, *Radiology* 1988; 168: 292
- introduction of bone imaging agent into the pleural space, Spencer RP; Karimeddini MK, *Clin Nucl Med* 1986; 11: 290
- left minor fissure, Austin JHM, *Radiology* 1986; 161: 433
- Pleura, air in**
- See Pneumothorax
- Pleura, CT**
- asbestos-related pleural and parenchymal fibrosis: detection with high-resolution CT, Aberle DR; Gamsu G; Ray CS; Feuerstein IM, *Radiology* 1988; 166: 729
- ascites or pleural effusion? CT differentiation: four useful criteria, Halvorsen RA Jr; Fedyskin PJ; Korobkin M; Foster WL Jr; Thompson WM, *Radiographics* 1986; 6: 135
- computed tomography of free pleural effusions, Maffessanti M; Tommasi M; Pellegrini P, *Eur J Radiol* 1987; 7: 87
- CT findings in localized fibrous mesothelioma of the pleural fissure, Spizarny DL; Gross BH; Shepard JO, *JCAT* 1986; 10: 942
- CT in the evaluation of pleural versus pulmonary disease in children, Cleveland RH; Foglia RP, *Pediatr Radiol* 1988; 18: 14
- diagnosis of a pleural lipoma by CT and fine-needle biopsy to avoid thoracotomy, Millward S; Scott N; Masood K, *J Canad Assoc Radiol* 1988; 39: 57
- left minor fissure, Austin JHM, *Radiology* 1986; 161: 433
- pancreatitis presenting as pleural effusions: computed tomography demonstration of pleural space extension of pancreatitis exudate, Belfar HL; Radecki PD; Friedman AC; et al, *CT* 1987; 11: 184
- pleural endometriosis: CT and sonographic findings, Im J-G; Kang HS; Choi BJ; et al, *AJR* 1987; 148: 523
- use of CT in the examination of asbestos-exposed persons, McCloud TC, *Radiology* 1988; 169: 862
- Pleura, diseases**
- asbestos induced diffuse pleural fibrosis: pathology and mineralogy, (ab), Stephens M; Gibbs AR; Pooley FD; et al, *Radiology* 1988; 167: 291
- asbestos-related focal lung masses: manifestations on conventional and high-resolution CT scans, Lynch DA; Gamsu G; Ray CS; Aberle DR, *Radiology* 1988; 169: 603
- asbestos-related pleural and parenchymal fibrosis: detection with high-resolution CT, Aberle DR; Gamsu G; Ray CS; Feuerstein IM, *Radiology* 1988; 166: 729
- asbestos-related pleural disease and asbestosis: a comparison of CT and chest radiography, Friedman AC; Fiel SB; Fisher MS; et al, *AJR* 1988; 150: 269
- bolus contrast medium enhancement for distinguishing pleural from parenchymal lung disease: CT features, Bressler EL; Francis IR; Glazer GM; et al, *JCAT* 1987; 11: 436
- changes on radiographs of wives of workers exposed to asbestos, Sider L; Holland EA; Davis TM Jr; Cugell DW, *Radiology* 1987; 164: 723
- CT in the evaluation of pleural versus pulmonary disease in children, Cleveland RH; Foglia RP, *Pediatr Radiol* 1988; 18: 14
- differentiation of pulmonary parenchymal consolidation from pleural disease using the sonographic fluid bronchogram, Dorne HL, *Radiology* 1986; 158: 41
- fluid within preexisting pulmonary air-spaces: a potential pitfall in the CT differentiation of pleural from parenchymal disease, Zinn WL; Naidich DP; Whelan CA; et al, *JCAT* 1987; 11: 441
- thoracic emphysema: management with image-guided catheter drainage, Silverman SG; Mueller PR; Saini S; Hahn PF; Simeone JF; Forman BH; Steiner E; Ferrucci JT, *Radiology* 1988; 169: 5
- visceral pleural thickening in asbestos exposure: the occurrence and implications of thickened interlobar fissures, Rockoff SD; Kagan E; Schwartz A; et al, *J Thorac Imag* 1987; 2: 58
- Pleura, fluid**
- adenovirus associated with congenital pleural effusion, (ab), Meyer K; Girgis N; McGarvey V, *Radiology* 1986; 158: 863
- asbestos pleural effusion: a clinical entity, (ab), Mårtensson G; Hagberg S; Pettersson K; et al, *Radiology* 1988; 167: 291
- ascites and right pleural effusion: demonstration of a peritoneo-pleural communication, Verresault J; Lepage S; Bisson G; et al, *J Nucl Med* 1986; 27: 1706
- ascites or pleural effusion? CT differentiation: four useful criteria, Halvorsen RA Jr; Fedyskin PJ; Korobkin M; Foster WL Jr; Thompson WM, *Radiographics* 1986; 6: 135
- bilateral urinorhax identified by technetium-99m DTPA renal imaging, Ralston MD; Wilkinson RH Jr, *J Nucl Med* 1986; 27: 56
- chronic traumatic diaphragmatic hernia: the significance of pleural effusion, Aronchick JM; Epstein DM; Geffer WB; Miller WT, *Radiology* 1988; 168: 675
- chyliform (cholesterol) pleural effusion, (ab), Hillebrand G, *Radiology* 1986; 158: 857
- computed tomography of free pleural effusions, Maffessanti M; Tommasi M; Pellegrini P, *Eur J Radiol* 1987; 7: 87
- congenital pleural effusion in Down's syndrome, Foote KD; Vickers DW, Br J Radiol 1986; 59: 609
- CT differentiation of pleural effusion from ascites: evaluation of four signs using blinded analysis of 52 cases, Halvorsen RA Jr; Fedyskin PJ; Korobkin M; et al, *Invest Radiol* 1986; 21: 391
- CT of subpulmonic pleural effusions and atelectasis: criteria for differentiation from subpulmonic fluid, Federle MP; Mark AS; Guillaumin ES, *AJR* 1986; 146: 685
- detection of pleural effusions on supine chest radiographs, Ruskin JA; Gurney JW; Thorsen MK; et al, *AJR* 1987; 148: 681
- evaluation of pleural and pericardial effusions by magnetic resonance imaging, Tscholakoff D; Sechtem U; de Geer G; et al, *Eur J Radiol* 1987; 7: 169
- histioplasmoma, pleural fibrosis, and slowly enlarging pleural effusion in an asymptomatic patient, (ab), Swinburne AJ; Fedullo AJ; Wahl GW; et al, *Radiology* 1987; 164: 882
- iatrogenic causes of large pleural fluid collections in the premature infant: ultrasonic and radiographic findings, Amodio JB; Abramson SJ; Berdon WE; et al, *Pediatr Radiol* 1987; 17: 104
- image-guided pleural biopsies: indications, technique, and results in 23 patients, Mueller PR; Saini S; Simeone JF; Silverman SG; Morris E; Hahn PF; Forman BH; McCloud TC; Shepard JO; Ferrucci JT Jr, *Radiology* 1988; 169: 1

- inversion of the right diaphragm: thoracoabdominal CT pitfall, Hertzau Y; Solomon A, *Gastrointest Radiol* 1986; 11: 200
- malignant pleural effusion: complication of transhepatic biliary drainage, Anschuetz SL; Vogelzang RL, *AJR* 1986; 146: 1165
- pancreatitis presenting as pleural effusions: computed tomography demonstration of pleural space extension of pancreatitis exudate, Belfar HL; Radecki PD; Friedman AC; et al, *CT* 1987; 11: 184
- percutaneous drainage of infected and noninfected thoracic fluid collections, Stavas J; vanSonnenberg E; Casola G; et al, *J Thorac Imag* 1987; 2: 80
- pleural effusion causing unmatched ventilation defects in ventilation and perfusion scanning, Goddard P; Henson J; Davies ER, *Clin Radiol* 1986; 37: 285
- pleuroperitoneal communication in a patient with right pleural effusion and ascites diagnosed by technetium-99m sulfur colloid imaging, Eisenberg B; Velchik MG; Alavi A, *Clin Nucl Med* 1988; 13: 99
- pseudo-tumours of the liver on computed tomographic (CT) scanning caused by adjacent ascitic or pleural fluid, Allison MC; Dick R; Elliot C, *Australas Radiol* 1987; 31: 183
- skeletal imaging after pleurodesis, duCret RP; Boudreau RJ; Miller SJ; et al, *Clin Nucl Med* 1987; 12: 896
- sonographic features and implications of fetal pleural effusions, Adams H; Jones A; Hayward C, *Clin Radiol* 1988; 39: 398
- sonographic guidance in diagnostic and therapeutic interventions in the pleural space, O'Moore PV; Mueller PR; Simeone JF; et al, *AJR* 1987; 149: 1
- technetium-99m MDP accumulation in a nonmalignant pleural effusion, Babbal RW; Jackson DE; Conte FA, *Clin Nucl Med* 1988; 13: 298
- transitory bilateral isolated fetal pleural effusions, Yaghoobian J; Cormie M, *J Ultrasound Med* 1988; 7: 231
- tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis, (ab), Knox AJ; Wardman AG; Page RL, *Radiology* 1987; 162: 884
- uremic pleural effusion detected on radionuclide renogram, Abdel-Dayem HM; Nawaz MK; Suhail AR; et al, *Clin Nucl Med* 1986; 11: 196
- work in progress: in vitro analysis of pleural fluid analogs by proton magnetic resonance. preliminary studies at 1.5T, Vock P; Hedlund LW; Herfkens RJ; et al, *Invest Radiol* 1987; 22: 382
- Pleura, infection**
- amebic liver abscess: MR imaging, Ralls PW; Henley DS; Colletti PM; Benson R; Raval JK; Radin DR; Boswell WD Jr; Halls JM, *Radiology* 1987; 165: 801
- percutaneous removal of thoracostomy tubes, Monsein LH; Woodside JR; Dhillon JS, *Radiology* 1987; 165: 743
- Pleura, interventional procedure**
- image-guided pleural biopsies: indications, technique, and results in 23 patients, Mueller PR; Saini S; Simeone JF; Silverman SG; Morris E; Hahn PF; Forman BH; McLoud TC; Shepard JO; Ferrucci JT Jr, *Radiology* 1988; 169: 1
- Pleura, MR studies**
- evaluation of pleural and pericardial effusions by magnetic resonance imaging, Tscholakoff D; Sehtem U; de Geer G; et al, *Eur J Radiol* 1987; 7: 169
- Pleura, neoplasms**
- CT findings in localized fibrous mesothelioma of the pleural fissure, Spizarny DL; Gross BH; Shepard JO, *JCAT* 1986; 10: 942
- diagnostic distinction between malignant mesothelioma of the pleura and adenocarcinoma of the lung as defined by a monoclonal antibody (B72.3), (ab), Szpak CA; Johnston WW; Roggli V; et al, *Radiology* 1986; 160: 571
- differentiation of pulmonary parenchymal consolidation from pleural disease using the sonographic fluid bronchogram, Dorne HL, *Radiology* 1986; 158: 41
- diffuse malignant mesothelioma of pleura: diagnosis and survival in 92 cases, (ab), Adams VI; Unni KK; Muhm JR; et al, *Radiology* 1987; 163: 837
- image-guided pleural biopsies: indications, technique, and results in 23 patients, Mueller PR; Saini S; Simeone JF; Silverman SG; Morris E; Hahn PF; Forman BH; McLoud TC; Shepard JO; Ferrucci JT Jr, *Radiology* 1988; 169: 1
- immunohistochemical evaluation of pleural mesothelioma and pulmonary adenocarcinoma: a bi-institutional study of 47 cases, (ab), Otis CN; Carter D; Cole S; et al, *Radiology* 1987; 165: 295
- malignant pleural mesothelioma in a child—a case report, Kapoor R; Gomber S; Saha MM; et al, *Australas Radiol* 1988; 32: 134
- metastases to the pleura: sonographic detection, Steinberg HV; Erwin BC, *JCU* 1987; 15: 276
- pleural liposarcoma: CT diagnosis, Munk PL; Müller NL, *JCAT* 1988; 12: 709
- Pleura, radiography**
- anterior junction line: a radiographic sign of bilateral pneumothorax in neonates, Markowitz RI, *Radiology* 1988; 167: 717
- chest tube tracks, Panicek DM; Randall PA; Witanowski LS; Raasch BN; Heitzman ER, *Radiographics* 1987; 7: 321
- detection of pleural effusions on supine chest radiographs, Ruskin JA; Gurney JW; Thorsen MK; et al, *AJR* 1987; 148: 681
- illusory consolidation of the left lower lobe: a pitfall of portable radiography, Zylak CJ; Littleton JT; Duricz ML, *Radiology* 1988; 167: 653
- Pleura, US studies**
- differentiation of pulmonary parenchymal consolidation from pleural disease using the sonographic fluid bronchogram, Dorne HL, *Radiology* 1986; 158: 41
- image-guided pleural biopsies: indications, technique, and results in 23 patients, Mueller PR; Saini S; Simeone JF; Silverman SG; Morris E; Hahn PF; Forman BH; McLoud TC; Shepard JO; Ferrucci JT Jr, *Radiology* 1988; 169: 1
- metastases to the pleura: sonographic detection, Steinberg HV; Erwin BC, *JCU* 1987; 15: 276
- pleural endometriosis: CT and sonographic findings, Im J-G; Kang HS; Choi BI; et al, *AJR* 1987; 148: 523
- Pleuritis**
- comparative clearance rates of the pleural and peritoneal cavities, (ab), Mavroudis C; Malangoni MA; Katzmark SL; et al, *Radiology* 1988; 168: 292
- shrinking pleuritis with atelectasis: specificity of abnormalities present at conventional radiography of the lung, (ab), Dernevik L; Brodin I; Larsson S; et al, *Radiology* 1986; 159: 286
- Pneumatosis intestinalis**
- See Intestines, cysts
- Pneumocephalus**
- tension pneumocephalus five years after intracranial resection of pituitary adenoma—a case report, Fleming MS; Numaguchi Y; Nadell JA; et al, *CT* 1988; 12: 86
- traumatic pneumocephalus caused by stab wound to the neck, Naseem M; Hood JD; Devasthali R, *AJNR* 1986; 7: 174
- traumatic pneumorrhachis, Newbold RG; Wiener MD; Volger JB III, *AJR* 1987; 148: 615
- Pneumoconiosis**
- chronic beryllium disease: diagnosis, radiographic findings, and correlation with pulmonary function tests, Aronchick JM; Rossman MD; Miller WT, *Radiology* 1987; 163: 677
- dental technician's pneumoconiosis: report of two cases, (ab), De Vuyst P; Vande Weyer R; De Coster A; et al, *Radiology* 1986; 160: 283
- digital chest imaging: comparison of two film image digitizers with a classification task, Kundel HL; Mezrich JL; Brickman I; Siegel R; Miller WT; Epstein DM; Geffer WB; Arenson RL; Seshadri SB; Khalsa S, *Radiology* 1987; 165: 747
- nonproductive cough and lung mass, Abbutt PL; Zerlin JM, *Invest Radiol* 1988; 23: 397
- quantitative gallium 67 lung scan to assess the inflammatory activity in the pneumoconiosis, Bisson G; Lamoureux G; Begin R, *Semin Nucl Med* 1987; 17: 72
- Pneumomediastinum**
- pneumomediastinum associated with cocaine abuse: case report and review of the literature, Goldberg REA; Lipuma JP; Cohen AM, *J Thorac Imag* 1987; 2: 88
- retrocardiac pneumomediastinum in association with tracheal and esophageal perforations, Amadio JB; Berdon WE; Abramson SJ; et al, *Pediatr Radiol* 1986; 16: 380
- visible wall of a main bronchus: a new radiological sign of pneumomediastinum, Beyers JA; Melonas CF, *Br J Radiol* 1987; 60: 877
- Pneumectomy**
- See Lung, surgery
- Pneumonia**
- See Lung, infection
- Pneumonitis**
- age factor relevant to the development of radiation pneumonitis in radiotherapy of lung cancer, Koga K; Kusumoto S; Watanabe K; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 367
- distribution of pulmonary shadowing in farmer's lung, Cook PG; Wells IP; McGavin CR, *Clin Radiol* 1988; 39: 21
- gallium-67 lung index computerization in interstitial pneumonitis, Specht HD; Brown PH; Haines JE; et al, *J Nucl Med* 1987; 28: 1826
- gallium scanning in lymphoid interstitial pneumonitis of children with AIDS, Schiff RG; Kabat L; Kamani N, *J Nucl Med* 1987; 28: 1915
- interstitial pneumonitis in antinuclear antibody-negative systemic lupus erythematosus: a new clinical manifestation and possible association with anti-Ro (SS-A) antibodies, (ab), Hedgpeth MT; Boulware DW, *Radiology* 1988; 169: 287
- lung damage following bone marrow transplantation: II. the contribution of cyclophosphamide, Verekamp AE; de Vries AJ; Zurcher C; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1515
- lymphocytic interstitial pneumonitis: a cause of pulmonary gallium-67 uptake in a child with acquired immunodeficiency syndrome, Zuckier LS; Ongseng F; Goldfarb CR, *J Nucl Med* 1988; 29: 707
- nonspecific interstitial pneumonitis: a common cause of pulmonary disease in the acquired immunodeficiency syndrome, (ab), Suffredini AF; Ognibene FP; Lack EE; et al, *Radiology* 1988; 167: 586
- nonspecific interstitial pneumonitis in patients with AIDS: radiologic features, Simmons JT; Suffredini AF; Lack EE; et al, *AJR* 1987; 149: 265
- obstructive pneumonitis: a pathologic and pathogenetic reappraisal, Burke M; Fraser R, *Radiology* 1988; 166: 699
- percutaneous needle lung aspiration for diagnosing pneumonitis in the patient with acquired immunodeficiency syndrome (AIDS), (ab), Wallace JM; Batra P; Gong H Jr; et al, *Radiology* 1986; 160: 572
- radiation pneumonitis and fibrosis following split-course radiation therapy for lung cancer: a radiologic and physiologic study, Mattson K; Holsti LR; Poppus H; et al, *Acta Oncol* 1987; 26: 193
- residual radiation damage in murine lung assessed by pneumonitis, Terry NHA; Tucker SL; Travis EL, *Int J Radiat Oncol Biol Phys* 1988; 14: 929
- toxic pneumonitis from mixing household cleaners, (ab), Reisz GR; Gammon RS, *Radiology* 1986; 160: 572
- von Willebrand factor levels do not predict or diagnose radiation pneumonitis, Fajardo LF; Donaldson SS; Kelly NL, *Int J Radiat Oncol Biol Phys* 1986; 12: 107
- Pneumopericardium**
- posttraumatic tension pneumopericardium: "small heart" sign, Mirvis SE; Indeck M; Schorr RM; Diaconis JN, *Radiology* 1986; 158: 663
- tension pneumopericardium: an unusual manifestation of invasive pulmonary aspergillosis, Müller NL; Miller RR; Ostrow DN; et al, *AJR* 1987; 148: 678
- Pneumoperitoneum**
- complications of endoscopic gastrostomy: pneumoperitoneum and volvulus of the colon, Ghahremani GG; Tsang T-K; Vakil N, *Gastrointest Radiol* 1987; 12: 172

- cupola sign of pneumoperitoneum in the supine patient, Mindelzun RE; McCort JJ, *Gastrointest Radiol* 1986; 11: 283
- emphysematous cholecystitis presenting with pneumoperitoneum, Radin DR; Halls JM, *AJR* 1987; 149: 1175
- massive pneumoperitoneum following laser therapy of inoperable esophageal carcinoma, Brooks PT; Troop AC; Barr H; et al, *Clin Radiol* 1988; 39: 305
- pneumoperitoneum and its association with ruptured abdominal viscus, (ab), Winick TG; Mosely S; Grout G; et al, *Radiology* 1988; 169: 585
- vaginally induced pneumoperitoneum during pregnancy, Gensburg RS; Wojcik WG; Mehta SD, *AJR* 1988; 150: 595
- Pneumoretroperitoneum**
pneumoretroperitoneum secondary to hydrogen peroxide wound irrigations, Swayne LC; Ginsberg HN; Ginsburg A, *AJR* 1987; 148: 149
- Pneumorrhachis**
pneumorrhachis after jejunal entrapment caused by a fracture dislocation of the lumbar spine, Silver SF; Nadel HR; Flodmark O, *AJR* 1988; 150: 1129
- traumatic pneumorrhachis, Newbold RG; Wiener MD; Volger JB III, *AJR* 1987; 148: 615
- Pneumothorax**
air in the minor fissure: sign of right-sided pneumothorax, Spitznagel DL; Goodman LR, *Radiology* 1986; 160: 329
- anterior junction line: a radiographic sign of bilateral pneumothorax in neonates, Markowitz RJ, *Radiology* 1988; 167: 717
- case report: bilateral pneumothorax secondary to metastatic angiosarcoma of the breast, Kader HA; Bolger JJ; Goepel JR, *Clin Radiol* 1987; 38: 201
- catamenial pneumothorax: case report and literature review, Gray R; Cormier M; Yedlicka J; et al, *J Thorac Imag* 1987; 2: 72
- classification of parenchymal injuries of the lung, Wagner RB; Crawford WO JR; Schimpf PP, *Radiology* 1988; 167: 77
- complications due to inadvertent tracheobronchial placement of feeding tubes, Ghahremani GG, *Radiology* 1988; 167: 875
- complications due to inadvertent tracheobronchial placement of feeding tubes: reply, Woodall BH; Winfield DF; Bisset GS III, *Radiology* 1988; 167: 876
- complications due to inadvertent tracheobronchial placement of feeding tubes: reply, Wheeler PS, *Radiology* 1988; 167: 877
- contralateral pneumothoraces in the newborn: incidence and predisposing factors, (ab), Ryan CA; Barrington KJ; Phillips HJ; et al, *Radiology* 1987; 165: 296
- diagnosis of a pneumothorax on the ventilation lung scan images, Datz FL; Davis W, *Clin Nucl Med* 1987; 12: 757
- exclusion of pneumothorax by radionuclide lung scan, Weiss PE, *Clin Nucl Med* 1986; 11: 303
- inadvertent pulmonary placement of feeding tubes, Gelfand DW; Oit DJ, *Radiology* 1988; 167: 283
- inadvertent tracheobronchial placement of feeding tubes, Woodall BH; Winfield DF; Bisset GS III, *Radiology* 1987; 165: 727
- inadvertent tracheobronchial placement of feeding tubes, Miller WT, *Radiology* 1988; 167: 875
- pneumothorax and other lung diseases: effect of altered resolution and edge enhancement on diagnosis with digitized radiographs, Goodman LR; Foley WD; Wilson CR; Tikofsky RS; Hoffmann RG, *Radiology* 1988; 167: 83
- pneumothorax associated with lymphoma, (ab), Yellin A; Benfield JR, *Radiology* 1987; 162: 885
- pneumothorax: evaluation by ultrasound—preliminary results, Wernecke K; Galanski M; Peters PE; et al, *J Thorac Imag* 1987; 2: 76
- pneumothorax in the Aboriginal, Bateson EM, *Australas Radiol* 1987; 31: 260
- pneumothorax: radiologic treatment with small catheters, Casola G; vanSonnenberg E; Keightley A; Ho M; Withers C; Lee AS, *Radiology* 1988; 166: 89
- postbiopsy pneumothorax: estimating the risk by chest radiography and pulmonary function tests, Fish GD; Stanley JH; Miller KS; et al, *AJR* 1988; 150: 71
- primary pulmonary rhabdomyosarcoma of the lung in children: report of two cases presenting with spontaneous pneumothorax, (ab), Allan BT; Day DL; Dehner LP, *Radiology* 1987; 165: 591
- spontaneous pneumothorax: complication of lung cancer?, (ab), Steinhilber CA; Cuiat JF, *Radiology* 1986; 159: 821
- spontaneous pneumothorax in AIDS patients with *Pneumocystis carinii* pneumonia, Goodman PC; Daley C; Minagi H, *AJR* 1986; 147: 29
- surgical management of spontaneous pneumothorax in patients with acquired immunodeficiency syndrome, (ab), Fleisher AG; McElvaney G; Lawson L; et al, *Radiology* 1988; 168: 587
- transthoracic needle aspiration: use of a small chest tube to treat pneumothorax, Perlmutt LM; Braun SD; Newman GE; et al, *AJR* 1987; 148: 849
- POEMS syndrome**
osteosclerotic myeloma variants, Hall FM; Gore SM, *Skeletal Radiol* 1988; 17: 101
- POEMS syndrome presenting as systemic sclerosis: clinical and pathologic study of a case with microangiopathic glomerular lesions, (ab), Viard J-P; Lesavre P; Boitard C; et al, *Radiology* 1988; 169: 591
- POEMS syndrome: study of a patient with proteinuria, microangiopathic glomerulopathy, and renal enlargement, (ab), Fam AG; Rubenstein JD; Cowan DH, *Radiology* 1986; 161: 284
- Poisons and poisoning**
acute toxic encephalopathy secondary to bromide sedative ingestion, Jinkins JR; Chaleby K, *Neuroradiol* 1987; 29: 212
- computerized tomography in pneumatoceles after paraffin ingestion, Stones DK; van Niekerk CH; Cilliers C, *Pediatr Radiol* 1987; 17: 443
- CT diagnosis of toxic brain injury in cyanide poisoning: considerations for forensic medicine, Varnell RM; Stimac GK; Fligner CL, *AJNR* 1987; 8: 1063
- detection of the cerebral lesions of chlorine intoxication by magnetic resonance imaging, Levy JM; Hessel SJ; Nykamp PW; et al, *Magn Res Imag* 1986; 4: 51
- early radiotherapy in the treatment of paraquat poisoning, Talbot AR; Barnes MR; Ting RS, *Br J Radiol* 1988; 61: 405
- efficacy of syrup of ipecac-induced emesis for emptying gastric contents, Vasquez TE; Evans DG; Ashburn WL, *Clin Nucl Med* 1988; 13: 638
- failure of radiotherapy to reverse progressive pulmonary fibrosis caused by paraquat, Bloodworth LL; Kershaw JB; Stevens PE; et al, *Br J Radiol* 1986; 59: 1037
- role of contrast enhancement in cerebral CT of carbon monoxide poisoning, Zeiss J; Brinker NA, *JCAT* 1988; 12: 341
- Polyarthritis nodosa**
See Arteritis
- Polychondritis**
polychondritis affecting the laryngeal cartilages: CT findings, Casselman JW; Lemahieu SF; Peene P; et al, *AJR* 1988; 150: 355
- relapsing polychondritis, Crockford MP; Kerr IH, *Clin Radiol* 1988; 39: 386
- Polycythemia**
prolonged bone marrow T₁-relaxation in patients with polycythemia vera, Jensen KE; Grube T; Thomsen C; et al, *Magn Res Imag* 1988; 6: 291
- watershed infarction in a case of polycythemia vera, Yazdi R; Cote C, *Clin Nucl Med* 1986; 11: 665
- Polymyositis**
See Amniotic fluid
- Polyps**
See Colon, neoplasms; Stomach, neoplasms, etc.
- Polyvinyl compounds**
radiopaque suspension of polyvinyl alcohol foam for embolization, Szwarc IA; Carrasco CH; Wallace S; et al, *AJR* 1986; 146: 591
- Popliteal cysts**
See Knee, cysts
- Porencephaly**
See Brain, cysts
- Porphyria**
photodiagnosis and therapy: dermatologic and photobiologic aspects, Bickers DK, *Invest Radiol* 1988; 21: 885
- radiological features in congenital erythropoietic porphyria (Günther's disease), report of 3 cases, Levesque M; Legmann F; Le Cloirec A; et al, *Pediatr Radiol* 1988; 18: 62
- Portal hypertension**
See Hypertension, portal
- Portal vein**
experiments: intrahepatic portacaval anastomosis: use of expandable Gianturco stents, Rosch J; Uchida BT; Putnam JS; Buschman RW; Law RD; Hershey AL, *Radiology* 1987; 162: 481
- porta hepatis: duplex Doppler US with angiographic correlation, Alpern MB; Rubin JM; Williams DM; Capek P, *Radiology* 1987; 162: 53
- Portal vein, abnormalities**
biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J, *Radiology* 1987; 163: 377
- cavernous transformation of the portal vein, Philips RL, *Australas Radiol* 1988; 32: 239
- completely transhepatic course of the main portal vein with subcapsular ramification, (ab), Goebel N, *Radiology* 1986; 158: 574
- congenital absence of the portal vein in oculoauriculovertebral dysplasia (Goldenhar syndrome), Morse SS; Taylor KJW; Strauss EB; et al, *Pediatr Radiol* 1986; 16: 437
- CT demonstration of a bizarre intrahepatic portal branch, Kokubo T; Itoh K; Kondoh S; et al, *JCAT* 1987; 11: 365
- demonstration of cavernomatous transformation of the portal vein by magnetic resonance imaging, Ros PR; Viamonte M Jr; Soila K; et al, *Gastrointest Radiol* 1986; 11: 90
- unusual anomalous intrahepatic connection between the left portal vein and internal mammary veins, Shawker TH; Chang R; Garra B; et al, *JCU* 1988; 16: 429
- Portal vein, anatomy**
intrahepatic bile duct and portal vein anatomy revisited, Bret PM; de Stempel JV; Atri M; Lough JO; Illescas FF, *Radiology* 1988; 169: 405
- Portal vein, calcification**
calcification in the portal and collateral veins wall: CT findings, Mata JM; Alegret X; Martinez A, *Gastrointest Radiol* 1987; 12: 206
- vascular liver calcification in infants: a case report with some pathogenetic considerations, de Filippi G; Betta PG, *Pediatr Radiol* 1988; 18: 413
- Portal vein, CT**
calcification in the portal and collateral veins wall: CT findings, Mata JM; Alegret X; Martinez A, *Gastrointest Radiol* 1987; 12: 206
- CT demonstration of a bizarre intrahepatic portal branch, Kokubo T; Itoh K; Kondoh S; et al, *JCAT* 1987; 11: 365
- CT demonstration of portal vein aneurysm, Andoh K; Tanohata K; Asakura K; et al, *JCAT* 1988; 12: 325
- high-attenuation recent thrombus of the portal vein: CT demonstration and clinical significance, Mori H; Hayashi K; Uetani M; Matsuoka Y; Iwao M; Maeda H, *Radiology* 1987; 163: 353
- intrahepatic bile duct and portal vein anatomy revisited, Bret PM; de Stempel JV; Atri M; Lough JO; Illescas FF, *Radiology* 1988; 169: 405
- Portal vein, flow dynamics**
clinical application of an ultrasonic duplex system in the quantitative measurement of portal blood flow, Moriyasu F; Ban N; Nishida O; et al, *JCU* 1986; 14: 579
- "congestion index" of the portal vein, Moriyasu F; Nishida O; Ban N; et al, *AJR* 1986; 146: 735
- echo-Doppler measurement of splanchnic blood flow in control and cirrhotic subjects, Zoli M; Marchesini G; Cordiani MR; et al, *JCU* 1986; 14: 429
- effect of portal blood flow and intra-arterially injected starch microspheres on the passage of a labelled tracer through the liver: an experimental study in pigs, Starkhammar H; Håkansson L; Sjö Dahl R; et al, *Acta Oncol* 1987; 26: 217

Portal vein, flow dynamics

- hemodynamic changes in portal circulation after portosystemic shunts: use of duplex sonography in 43 patients, Laforune M; Patriquin HB; Pomier G; et al, *AJR* 1987; 149: 701
- hepatic arterial and portal venous components of liver blood flow: a dynamic scintigraphic study, O'Connor MK; MacMathuna P; Keeling PWN, *J Nucl Med* 1988; 29: 466
- iodized oil in the portal vein after arterial embolization, Nakamura H; Hashimoto T; Oi H; Sawada S, *Radiology* 1988; 167: 415
- portal hemodynamics in patients with hepatocellular carcinoma, Moriyasu F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H, *Radiology* 1986; 161: 707
- portal hypertension: angiographic and hemodynamic evaluation, Koolpe HA; Koolpe L, *Radiol Clin North Am* 1986; 24: 369
- radioisotopic flow scanning for portal blood flow and portal hypertension, Hesdorffer CS; Bezowoda WR; Danilewitz MD; et al, *Clin Nucl Med* 1987; 12: 610
- ultrasonic assessment of abdominal venous return: II. volume blood flow in the inferior vena cava and portal vein, Smith H-J; Grottum P; Simonsen S, *Acta Radiol* 1986; 27: 23
- Portal vein, gas**
- acidosis and hepatic portal venous gas: indications for surgery in necrotizing enterocolitis, (ab), Buras R; Guzzetta P; Avery G; et al, *Radiology* 1987; 162: 591
- acute gastric dilatation: rare cause of portal venous gas, Radin DR; Rosen RS; Halls JM, *AJR* 1987; 148: 279
- ultrasonography of hepatic venous gas due to diverticulitis, Fataar S; Cadogan E; Spruyt O, *Br J Radiol* 1986; 59: 183
- Portal vein, MR studies**
- demonstration of cavernomatous transformation of the portal vein by magnetic resonance imaging, Ros PR; Viamonte M Jr; Soila K; et al, *Gastrointest Radiol* 1986; 11: 90
- MR evaluation of the portal vein in pediatric liver transplant candidates, Day DL; Letourneau JG; Allan BT; et al, *AJR* 1986; 147: 1027
- MR imaging of portal vein thrombosis, Levy HM; Newhouse JH, *AJR* 1988; 151: 283
- MR imaging of portal venous thrombosis: correlation with CT and sonography, Zirinsky K; Markisz JA; Rubenstein WA; et al, *AJR* 1988; 150: 283
- Portal vein, neoplasms**
- high-attenuation recent thrombus of the portal vein: CT demonstration and clinical significance, Mori H; Hayashi K; Uetani M; Matsuoka Y; Iwao M; Maeda H, *Radiology* 1987; 163: 353
- leiomyosarcoma of the portal vein, Wilson SR; Hine AL, *AJR* 1987; 149: 183
- segmental intensity differences in the liver on MR images: a sign of intrahepatic portal flow stoppage, Itai Y; Ohtomo K; Kokubo T; Okada Y; Yamauchi T; Yoshida H, *Radiology* 1988; 167: 17
- visualization of portal venous collaterals on a technetium-99m labeled red blood cell scan for gastrointestinal bleeding: potential pitfall in interpretation, Iles S; Gordon D; Aquino JA; et al, *Clin Nucl Med* 1987; 12: 946
- Portal vein, thrombosis**
- Budd-Chiari syndrome: CT observations, Vogelzang RL; Anschuetz SL; Gore RM, *Radiology* 1987; 163: 329
- case report: acute portal vein thrombosis, Albertyn LE, *Clin Radiol* 1987; 38: 645
- case report: ultrasonographic demonstration of portal vein thrombosis in the acute abdomen, Shaw PJ; Saunders AJ; Drake DP, *Clin Radiol* 1986; 37: 101
- hepatic arterial flow distribution with hepatic neoplasms: significance in infusion chemotherapy, Charnsangavej C; Carrasco CH; Wallace S; Richli W; Haynie TP, *Radiology* 1987; 165: 71
- hepatopetal collaterals after portal vein thrombosis following liver transplantation, Zajko AB; Bron KM, *Cardiovasc Intervent Radiol* 1986; 9: 46
- high-attenuation recent thrombus of the portal vein: CT demonstration and clinical significance, Mori H; Hayashi K; Uetani M; Matsuoka Y; Iwao M; Maeda H, *Radiology* 1987; 163: 353
- MR imaging of portal vein thrombosis, Levy HM; Newhouse JH, *AJR* 1988; 151: 283
- MR imaging of portal venous thrombosis: correlation with CT and sonography, Zirinsky K; Markisz JA; Rubenstein WA; et al, *AJR* 1988; 150: 283
- porta hepatis: duplex Doppler US with angiographic correlation, Alpern MB; Rubin JM; Williams DM; Capek P, *Radiology* 1987; 162: 53
- portal thrombosis complicating appendicitis: ultrasound detection and hepatic computed tomography lobar attenuation alteration, Chan SCH; Chan F-L; Chau EMT; et al, *CT* 1988; 12: 208
- portal vein thrombosis: real-time sonographic demonstration and follow-up, Schwark WB, *Gastrointest Radiol* 1986; 11: 312
- portal venous tumor casts causing defect on hepatic imaging, Leekam RN; Bayley TA; Shankar L; et al, *Clin Nucl Med* 1986; 11: 519
- pylithrombosis: serendipitous radiologic diagnosis, (ab), Harch JM; Randin RD; Yellin AE; et al, *Radiology* 1988; 166: 911
- septic portal vein thrombophlebitis: computed tomography appearance, case report, Castillo M; Murphy B, *Comput Radiol* 1986; 10: 289
- sonographic demonstration of portal venous system thromboses secondary to inflammatory diseases of the pancreas, Zalman M; Van Gansbeke D; Matos C; et al, *Gastrointest Radiol* 1987; 12: 114
- thrombosis of the splanchnic veins: CT diagnosis, Vogelzang RL; Gore RM; Anschuetz SL; et al, *AJR* 1988; 150: 93
- ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis, Freling NJM; Schuur KH; Haagsma EB; et al, *JCU* 1986; 14: 554
- vascular complications after liver transplantation: 5-year experience, Wozney P; Zajko AB; Bron KM; et al, *AJR* 1986; 147: 657
- Portal vein, US studies**
- aneurysmal dilatation of the portal vein: case diagnosed by real-time ultrasonography, Boyez M; Fourcade Y; Sebag A; et al, *Gastrointest Radiol* 1986; 11: 319
- assessment of portal vein patency: comparison of arterial portography and ultrasound scanning, Raby N; Karani J; Powell-Jackson P; et al, *Clin Radiol* 1988; 39: 381
- biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J, *Radiology* 1987; 163: 377
- case report: ultrasonographic demonstration of portal vein thrombosis in the acute abdomen, Shaw PJ; Saunders AJ; Drake DP, *Clin Radiol* 1986; 37: 101
- clinical application of an ultrasonic duplex system in the quantitative measurement of portal blood flow, Moriyasu F; Ban N; Nishida O; et al, *JCU* 1986; 14: 579
- comparison of angiography and ultrasound in the evaluation of the portal venous system in pancreatic carcinoma, Garra BS; Shawker TH; Doppman JL; et al, *JCU* 1987; 15: 83
- comparison of pulsed Doppler sonography and angiography in patients with portal hypertension, Nelson RC; Lovett KE; Chezman JL; et al, *AJR* 1987; 149: 77
- duplex Doppler examination in portal hypertension: technique and anatomy, Patriquin HB; Laforune M; Burns PN; et al, *AJR* 1987; 149: 71
- duplex Doppler examination of the liver and portal venous system, Koslin DB; Berland LL, *JCU* 1987; 15: 675
- duplex Doppler ultrasound in the diagnosis of cavernous transformation of the portal vein, Raby N; Meire HB, *Br J Radiol* 1988; 61: 586
- echo-Doppler measurement of splanchnic blood flow in control and cirrhotic subjects, Zoli M; Marchesini G; Cordiani MR; et al, *JCU* 1986; 14: 429
- hemodynamic changes in portal circulation after portosystemic shunts: use of duplex sonography in 43 patients, Laforune M; Patriquin HB; Pomier G; et al, *AJR* 1987; 149: 701
- porta hepatis: duplex Doppler US with angiographic correlation, Alpern MB; Rubin JM; Williams DM; Capek P, *Radiology* 1987; 162: 53
- portal hemodynamics in patients with hepatocellular carcinoma, Moriyasu F; Ban N; Nishida O; Nakamura T; Soh Y; Miura K; Sakai M; Miyake T; Uchino H, *Radiology* 1986; 161: 707
- portal vein thrombosis: real-time sonographic demonstration and follow-up, Schwark WB, *Gastrointest Radiol* 1986; 11: 312
- predictive value of ultrasonography in the screening of non-ascitic cirrhotic patients with large varices, Cottone M; D'Amico G; Maringhini A; et al, *J Ultrasound Med* 1986; 5: 189
- sonographic diagnosis of aneurysm of the right portal vein, Fanney D; Castillo M; Montalvo B; et al, *J Ultrasound Med* 1987; 6: 605
- ultrasonic assessment of abdominal venous return: II. volume blood flow in the inferior vena cava and portal vein, Smith H-J; Grottum P; Simonsen S, *Acta Radiol* 1986; 27: 23
- ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis, Freling NJM; Schuur KH; Haagsma EB; et al, *JCU* 1986; 14: 554
- utility and limitations of splanchnic venous ultrasonography in diagnosis of portal hypertension, Rector WC Jr; Campa J; Ralls PW; et al, *JCU* 1986; 14: 689
- Portography**
- assessment of portal vein patency: comparison of arterial portography and ultrasound scanning, Raby N; Karani J; Powell-Jackson P; et al, *Clin Radiol* 1988; 39: 381
- chronic portosystemic encephalopathy: embolization of portosystemic shunts, Uflacker R; de O e Silva A; Carneiro d'Albuquerque LA; Piske RL; Mourao GS, *Radiology* 1987; 165: 721
- comparison of angiography and ultrasound in the evaluation of the portal venous system in pancreatic carcinoma, Garra BS; Shawker TH; Doppman JL; et al, *JCU* 1987; 15: 83
- hepatic lobar atrophy following obstruction of the ipsilateral portal vein from hilar cholangiocarcinoma, Takayasu K; Muramatsu Y; Shima Y; Moriyama N; Yamada T; Makuuchi M, *Radiology* 1986; 160: 389
- liver metastases from colorectal cancers: detection with CT during arterial portography, Matsui O; Takashima T; Kadoya M; Suzuki M; Hirose J; Kameyama T; Choto S; Konishi H; Ida M; Yamaguchi A; Izumi R, *Radiology* 1987; 165: 65
- mesenteric varices demonstrated by transhepatic portography, Matsunaga N; Hayashi K; Amamoto Y; et al, *Gastrointest Radiol* 1986; 11: 280

- portal hypertension: angiographic and hemodynamic evaluation, Koolpe H; Koolpe L, *Radiol Clin North Am* 1986; 24: 369
- Portography, technology**
- balloon-occluded arterial portography using prostaglandin E₂: improved visualization of the intrahepatic portal vein, Nakamura H; Hashimoto T; Ohi H; et al, *Cardiovasc Intervent Radiol* 1987; 10: 264
- digital indirect portography, Sussman SK; Braun SD; Perlmutt LM; et al, *AJR* 1986; 147: 39
- safe splenoportography, Brazzini A; Hunter DW; Darcy MD; Smith TP; Cragg AH; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 162: 607
- Positron imaging**
- See Emission CT
- Posterior fossa**
- vascular malformations of the posterior fossa: clinical and radiologic features, (ab), Silber MH; Sandok BA; Earnest F IV, *Radiology* 1988; 166: 914
- Posterior fossa, abnormalities**
- computerized tomography findings in posterior fossa lesions, Reider-Grosswasser I; Catz A; Luz I, *Comput Radiol* 1986; 10: 311
- posterior fossa arteriovenous malformations, (ab), Drake CG; Friedman AH; Peerless SJ, *Radiology* 1987; 162: 590
- Posterior fossa, CT**
- artifacts in computed tomography of the posterior fossa: comparative phantom study, Mostrom U; Ytterbergh C, *JCAT* 1986; 10: 560
- computerized tomography findings in posterior fossa lesions, Reider-Grosswasser I; Catz A; Luz I, *Comput Radiol* 1986; 10: 311
- Posterior fossa, cysts**
- difficulties in diagnosing congenital posterior fossa fluid collections after shunting procedures, Wolpert SM; Scott RM; Runge VM; et al, *AJNR* 1987; 8: 653
- epidermoid cysts of the posterior fossa, (ab), Berger MS; Wilson CB, *Radiology* 1986; 158: 284
- "keyhole": sign of herniation of a trapped fourth ventricle and other posterior fossa cysts, Wolfson BJ; Faerber EN; Truex RC Jr, *AJNR* 1987; 8: 473
- persisting intraventricular fat-fluid levels following surgery on a ruptured dermoid cyst of the posterior fossa, Larsson E-M; Brandt L; Holtås S, *Acta Radiol* 1987; 28: 489
- sonographic diagnosis of ascending transtentorial herniation of posterior fossa cystic masses, Balsara VJ; Raval BK; Hargadine JR; et al, *AJNR* 1988; 9: 194
- syringomyelia in association with posterior fossa cysts, Banna M, *AJNR* 1988; 9: 867
- Posterior fossa, hemorrhage**
- posterior fossa chronic subdural hematoma in the neonate, Franklin J; Belkin R; Howieson J; et al, *AJNR* 1986; 7: 1099
- posterior fossa hemorrhage in the newborn—diagnosis and management, von Gontard A; Arnold D; Adis B, *Pediatr Radiol* 1988; 18: 347
- Posterior fossa, neoplasms**
- acoustic neuroma and posterior fossa meningioma: clinical and CT radiologic findings, Catz A; Reider-Grosswasser I, *Neuroradiol* 1986; 28: 47
- computerized tomography findings in posterior fossa lesions, Reider-Grosswasser I; Catz A; Luz I, *Comput Radiol* 1986; 10: 311
- gastroparesis secondary to a medulloblastoma of the posterior fossa, Szilagyi A; Stern J; Armanious S; et al, *Clin Nucl Med* 1987; 12: 864
- Posterior fossa, US studies**
- sonographic diagnosis of ascending transtentorial herniation of posterior fossa cystic masses, Balsara VJ; Raval BK; Hargadine JR; et al, *AJNR* 1988; 9: 194
- Potassium**
- See Magnetic resonance (MR), potassium studies
- Pregnancy**
- See also Fetus; Placenta
- amniotic sheets, Randal SB; Filly RA; Callen PW; Anderson RL; Golbus MS, *Radiology* 1988; 166: 633
- average fetal depth in utero: data for estimation of fetal absorbed radiation dose, Ragozzino MW; Breckle R; Hill LM; Gray JE, *Radiology* 1986; 158: 513
- incidental diagnosis of pregnancy on bone and gallium scintigraphy, Palestro CJ; Malat J; Collica CJ; et al, *J Nucl Med* 1986; 27: 370
- Pregnancy, abnormalities**
- abruptio placentae: apparent thickening of the placenta caused by hypercholechoic retroplacental clot, Mintz MC; Kurtz AB; Arenson R; et al, *J Ultrasound Med* 1986; 5: 411
- delayed diagnosis of advanced combined pregnancy, Reuss ML, *JCU* 1988; 16: 187
- distinguishing normal from abnormal gestational sac growth in early pregnancy, Nyberg DA; Mack LA; Laing FC; et al, *J Ultrasound Med* 1987; 6: 23
- early diagnosis of nonviable pregnancy with endovaginal US, Levi CS; Lyons EA; Lindsay DJ, *Radiology* 1988; 167: 383
- MR imaging of pregnancy in bicornuate uterus, Yuh WTC; DeMarino GB; Ludwig WD; et al, *JCAT* 1988; 12: 162
- second-trimester polyhydramnios: evaluation with US, Sivit CJ; Hill MC; Larsen JW; Lande IM, *Radiology* 1987; 165: 467
- sonographic appearance of blood in the fetal stomach and its association with placental abruption, Walker JM; Ferguson DD, *J Ultrasound Med* 1988; 7: 155
- sonographic demonstration of combined quadruplet gestation, with viable ectopic and concomitant intrauterine triplet pregnancies, Rowland DM; Geagan MB; Paul DA, *J Ultrasound Med* 1987; 6: 89
- ultrasound diagnosis of combined intrauterine and extrauterine pregnancy, Jurkovic D; Kurjak A; Alfirevic Z; et al, *JCU* 1988; 16: 259
- ultrasound-guided selective fetocide of hydrocephalic fetus in triplet pregnancy, Shalev E; Issacov D; Weiner E; et al, *JCU* 1988; 16: 41
- ultrasound of the empty gestation sac in threatened abortion, Scott RF; Featherstone T; Hussey JK, *Clin Radiol* 1987; 38: 127
- Pregnancy, complications**
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Nyberg DA; Filly RA; Filho DLD; Laing FC; Mahony BS, *Radiology* 1986; 158: 393
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Kadar N; Romero R, *Radiology* 1986; 161: 854
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels: reply, Filly RA; Laing FC; Nyberg DA, *Radiology* 1986; 161: 854
- acardiac anomaly: review of the subject with case report and emphasis on practical sonography, Gibson JV; D'ruz CA; Patel RB; et al, *JCU* 1986; 14: 541
- acute fatty liver of pregnancy: CT evaluation, case report, Coche G; Moran V; Boillot A; et al, *Eur J Radiol* 1988; 8: 115
- aneurysmal bone cyst arising in fibrous dysplasia during pregnancy, Mintz MC; Dalinka MK; Schmidt R, *Radiology* 1987; 165: 549
- antenatal sonographic detection of a fetal theca lutein cyst: clue to maternal diabetes mellitus, Nguyen KT; Reid RL; Sauerbrei E, *J Ultrasound Med* 1986; 5: 665
- appendiceal abscess in pregnancy: diagnosis by ultrasound, Coady DJ; Snyder JR; Subramanyam B, *JCU* 1986; 14: 70
- association of a gravid uterus with a myoma: a case report, Meher C; William RR; Reddy RG, *Australas Radiol* 1987; 31: 68
- bilateral renal masses in a pregnant patient with tuberous sclerosis, Lipman JC; Loughlin KR; Turchess SS, *Invest Radiol* 1987; 22: 912
- chronic maternal cigarette smoking and fetal abdominal aortic blood flow in humans, Eldridge MW; Berman W Jr; Greene ER, *J Ultrasound Med* 1986; 5: 131
- clinical consequences after ultrasonic diagnosis of intrauterine hematoma in threatened abortion, (ab), Jouppila P, *Radiology* 1986; 158: 237
- complicated first-trimester pregnancies: evaluation with endovaginal US versus transabdominal technique, Pennell RG; Baltarowich OH; Kurtz AB; Villaro MM; Rifkin MD; Needleman L; Mitchell DG; Mervis SA; Goldberg BB, *Radiology* 1987; 165: 79
- congenital uterine anomalies and associated pregnancies: findings and pitfalls of sonographic diagnosis, (ab), Pennes DR; Bowerman RA; Silver TM, *Radiology* 1986; 158: 859
- cortical blindness in toxemia of pregnancy: findings on computed tomography, Lau SP; Chan FL; Yu YL; et al, *Br J Radiol* 1987; 60: 347
- CT and angiographic correlation of severe neurological disease in toxemia of pregnancy, Lewis LK; Hirsch DB Jr; Will AD; et al, *Neuroradiol* 1988; 38: 59
- cysts in pregnancy discovered by sonography, Nelson MJ; Cavallieri R; Graham D; et al, *JCU* 1986; 14: 509
- deep venous thrombosis in pregnancy: noninvasive diagnosis, Polak JF; O'Leary DH, *Radiology* 1988; 166: 377
- diffuse lung uptake of technetium-99m sulfur colloid associated with fatty liver disease of pregnancy, Blend MJ; Dondalski M, *Clin Nucl Med* 1987; 12: 287
- duplex ultrasound diagnosis of umbilical cord prolapse, Johnson RL; Anderson JC; Irsik RD; et al, *JCU* 1987; 15: 282
- dynamic incompetent cervix uteri: sonographic observations, Farulekar SG; Kiwi R, *J Ultrasound Med* 1988; 7: 481
- early pregnancy complications: endovaginal sonographic findings correlated with human chorionic gonadotropin levels, Nyberg DA; Mack LA; Laing FC; Jeffrey RB Jr, *Radiology* 1988; 167: 619
- failed first trimester pregnancy termination: uterine anomaly as etiologic factor, Pennes DR; Bowerman RA; Silver TM; et al, *JCU* 1987; 15: 165
- femur length/abdominal circumference ratio: poor predictor of macrosomic fetuses in diabetic mothers, Benson CB; Doubilet PM; Saltzman DH; et al, *J Ultrasound Med* 1986; 5: 141
- focusing on peripartum cardiomyopathy using radionuclide cardiac imaging, Gini A; Sangar V; Malley M; et al, *Clin Nucl Med* 1987; 12: 941
- inadvertent iatrogenic introduction of air into myometrium: sonographic demonstration, Woodruff WW III; Carroll BA, *J Ultrasound Med* 1988; 7: 49
- in vitro fertilization and embryo transfer complicated by simultaneous ectopic and intrauterine twin gestation, Simpson EL; Coleman BG; Sondheimer SJ; et al, *J Ultrasound Med* 1986; 5: 49
- leiomyomas in pregnancy: sonographic study, Lev-Toaff AS; Coleman BG; Arger PH; Mintz MC; Arenson RL; Toaff ME, *Radiology* 1987; 164: 375
- malignant gestational trophoblastic disease: CT findings, Sanders C; Rubin E, *AJR* 1987; 148: 165
- MRI of puerperal ovarian-vein thrombosis (case report), Martin B; Mulopulos GP; Bryan PJ, *AJR* 1986; 147: 291
- objective method of diagnosing oligohydramnios in postterm pregnancies, Hashimoto BE; Filly RA; Belden C; et al, *J Ultrasound Med* 1987; 6: 81
- pictorial essay of pelvic and abdominal masses seen during pregnancy, Rahatzad MT; Adamson D, *JCU* 1986; 14: 255
- placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome, Sauerbrei EE; Pham DH, *Radiology* 1986; 160: 109
- postpartum hepatic hemorrhage in the syndrome of hemolysis, elevated liver enzymes, and low platelets: diagnosis by radiocolloid scanning, Lee HK; Skarzynski J; Haynes D; Regt R; et al, *Clin Nucl Med* 1988; 13: 635
- prognostic value of ultrasound, HCG and progesterone in threatened abortion, Erikson BC; Elk-Nes SH, *JCU* 1986; 14: 3
- renal scans in pregnant transplant patients, Goldstein HA; Ziesman HA; Fahey FH; et al, *J Nucl Med* 1988; 29: 1364
- ruptured uterus: sonographic diagnosis, Bedi DG; Salmon A; Winsett MZ; et al, *JCU* 1986; 14: 529
- second-trimester polyhydramnios: evaluation with US, Sivit CJ; Hill MC; Larsen JW; Lande IM, *Radiology* 1987; 165: 467
- selective first-trimester termination in octuplet and quadruplet pregnancies: clinical and ethical issues, (ab), Evans MI; Fletcher JC; Zador IE; et al, *Radiology* 1988; 168: 588

Pregnancy, complications

- severe polyhydramnios: incidence of anomalies, Barkin SZ; Pretorius DH; Beckett MK; et al, *AJR* 1987; 148: 155
- significance of ultrasound measurements of the head of the breech fetus, Bader B; Graham D; Stinson S, *J Ultrasound Med* 1987; 6: 437
- sonographic biophysical profile in the postdate pregnancy, Hann LE; McArdle CB; Sachs B, *J Ultrasound Med* 1987; 6: 191
- sonographic demonstration of combined quadruplet gestation, with viable ectopic and concomitant intrauterine triplet pregnancies, Rowland DM; Geagan MB; Paul DA, *J Ultrasound Med* 1987; 6: 89
- sonographic detection of fetal intraperitoneal fluid, Hashimoto BE; Filly RA; Callen PW, *J Ultrasound Med* 1986; 5: 203
- sonographic diagnosis of placenta accreta: presentation of six cases, de Mendonça LK, *J Ultrasound Med* 1988; 7: 211
- sonographic evaluation of cervical length in pregnancy: diagnosis and management of preterm cervical effacement in patients at risk for premature delivery, (ab), Ayers JWT; DeGrood RM; Compton AA; et al, *Radiology* 1988; 169: 882
- sonographic features of rupture of the pregnant uterus, Gale JT; Mahony BS; Bowie JD, *J Ultrasound Med* 1986; 5: 713
- sonography of subfascial hematoma after cesarean delivery, Wiener MD; Bowie JD; Baker ME; et al, *AJR* 1987; 148: 907
- spontaneous regression of pituitary mass in temporal association with pregnancy, Ikeda H; Okudaira Y, *Neuroradiol* 1987; 29: 488
- spontaneous resolution of fetal ventriculomegaly in a diabetic patient, Toi A, *J Ultrasound Med* 1987; 6: 37
- subchorionic hemorrhage: sonographic diagnosis and clinical significance, Abu-Yousef MM; Bleicher JJ; Williamson RA; et al, *AJR* 1987; 149: 737
- technetium-99m sulfur colloid diffuse lung uptake and its resolution in acute fatty liver of pregnancy, Wilf LH; Ziesman HA; Marion LI; et al, *Clin Nucl Med* 1987; 12: 951
- threatened abortion: sonographic distinction of normal and abnormal gestation sacs, Nyberg DA; Laing FC; Filly RA, *Radiology* 1986; 158: 397
- threatened abortion: sonographic distinction of normal and abnormal gestation sacs, Cadkin AV; McAlpin J, *Radiology* 1986; 160: 567
- threatened abortion: sonographic distinction of normal and abnormal gestation sacs: reply, Nyberg DA; Laing FC; Filly RA, *Radiology* 1986; 160: 567
- twin gestations: monitoring of complications and anomalies with US, Coleman BG; Grumbach K; Arger PH; Mintz MC; Arenson RL; Mennuti M; Gabbe SG, *Radiology* 1987; 165: 449
- ultrasonically controlled retrieval of an intrauterine contraceptive device (IUCD) in early pregnancy, Shalev E; Edelstein S; Engelhard J; et al, *JCU* 1987; 15: 525
- ultrasonographic aspects of Gaucher's disease: report of a patient during three pregnancies, Schoenfeld A; Tepper R; Stein L; et al, *JCU* 1987; 15: 207
- ultrasonography in patients with low maternal serum α -fetoprotein, Nelson LH; Burton BK; Sowers S, *J Ultrasound Med* 1987; 6: 59
- ultrasonography in the detection of cervical incompetency, Podobnik M; Bulić M; Smiljanić N; et al, *JCU* 1988; 16: 383
- ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Aufrechtig D; Cohen AJ; Harrison L; Miller EI; Crade M, *Radiographics* 1987; 7: 389
- unilateral breast hyperplasia in pregnancy simulating neoplasm, Skaane P; Skjennald A; Solberg LA, *Br J Radiol* 1987; 60: 407
- usefulness of Doppler echocardiography in the management of patients with mitral stenosis during pregnancy, Moro E; Roelandt J; Geuskens R; et al, *JCU* 1988; 16: 114
- use of furosemide in pregnancies complicated by oligohydramnios, Kaghavendra BN; Young BK; Greco MA; Lustig-Gillman I; Horli SC; Hirsch MA; Yee J, *Radiology* 1987; 165: 455
- vaginally induced pneumoperitoneum during pregnancy, Gensburg RS; Wojcik WG; Mehta SD, *AJR* 1988; 150: 595
- yolk sac calcification: a sonographic finding associated with intrauterine embryonic demise in the first trimester, Harris RD; Vincent LM; Askin FB, *Radiology* 1988; 166: 109
- yolk sac sign: sonographic appearance of the fetal yolk sac in missed abortion, Hurwitz SR, *J Ultrasound Med* 1986; 5: 435
- Pregnancy, ectopic**
- adnexal and cul-de-sac abnormalities: transvaginal sonography, Lande LM; Hill MC; Cosco FE; Kator NN, *Radiology* 1988; 166: 325
- application of ultrasound in the diagnosis of heterotopic pregnancy—a review of the literature, van Dam PA; Vanderheyden JS; Uyttenbroeck F, *JCU* 1988; 16: 159
- chronic ectopic pregnancy: comparison with acute ectopic pregnancy, Bedi DG; Moeller D; Fagan CJ; et al, *Eur J Radiol* 1987; 7: 46
- comparative review of diagnostic accuracy in tubal pregnancy: a 14-year survey of 1,040 cases, (ab), Kim DS; Chung SR; Park MI; et al, *Radiology* 1988; 166: 910
- contralateral corpus luteum and tubal pregnancy, (ab), Walters MD; Eddy C; Pauerstein CJ, *Radiology* 1988; 167: 884
- corpus luteum activity in tubal pregnancy, (ab), Sauer MV; Gorill J; Rodi IA; et al, *Radiology* 1988; 169: 289
- delayed diagnosis of advanced combined pregnancy, Reuss ML, *JCU* 1988; 16: 187
- early pregnancy complications: endovaginal sonographic findings correlated with human chorionic gonadotropin levels, Nyberg DA; Mack LA; Laing FC; Jeffrey RB Jr, *Radiology* 1988; 167: 619
- ectopic pregnancy: diagnosis by sonography correlated with quantitative HCG levels, Nyberg DA; Filly RA; Laing FC; et al, *J Ultrasound Med* 1987; 6: 145
- ectopic pregnancy: malpractice paradigm, James AE Jr; Fleischer AC; Sacks GA; Greeson T, *Radiology* 1986; 160: 411
- ectopic pregnancy mortality in the United States, 1970-1983, (ab), Atrash HK; Friede A; Hogue CJR, *Radiology* 1988; 167: 884
- ectopic pregnancy: role of sonography, Filly RA, *Radiology* 1987; 162: 661
- ectopic pregnancy: surgical-pathologic correlation with US, Rochester D; Panella JS; Port RB; Rosenfeld M; Rawal U, *Radiology* 1987; 165: 843
- endovaginal sonographic evaluation of ectopic pregnancy: a prospective study, Nyberg DA; Mack LA; Jeffrey RB Jr; et al, *AJR* 1987; 149: 1181
- intradecidual sign: US criterion of early intrauterine pregnancy, Yeh H-C; Goodman JD; Carr L; Rabinowitz JG, *Radiology* 1986; 161: 463
- intrauterine pregnancy following conservative treatment of cervical pregnancy, Faust D; Chen PC; Pose M, *J Ultrasound Med* 1987; 6: 467
- in vitro fertilization and embryo transfer complicated by simultaneous ectopic and intrauterine twin gestation, Simpson EL; Coleman BG; Sondeheimer SJ; et al, *J Ultrasound Med* 1986; 5: 49
- long-term follow-up after removal of an abdominal pregnancy: ultrasound evaluation of the involuting placenta, Belfar HL; Kurtz AB; Wapner RJ, *J Ultrasound Med* 1986; 5: 521
- sonographic demonstration of combined quadruplet gestation, with viable ectopic and concomitant intrauterine triplet pregnancies, Rowland DM; Geagan MB; Paul DA, *J Ultrasound Med* 1987; 6: 89
- sonographic demonstration of simultaneous intrauterine and extrauterine gestation, Yaghoobian J; Pinck RL; Ramanathan K; et al, *J Ultrasound Med* 1986; 5: 309
- sonographic detection of interstitial pregnancy, Jafri SZH; Loginsky SJ; Bouffard JA; et al, *JCU* 1987; 15: 253
- sonographic findings in abdominal pregnancy, Stanley JH; Horger BO III; Fagan CJ; et al, *AJR* 1986; 147: 1043
- spontaneous resolution of ectopic pregnancy, (ab), Fernandez H; Rainhorn JD; Papiernik E; et al, *Radiology* 1988; 168: 293
- suspected ectopic pregnancy: endovaginal and transvaginal US, Dashefsky SM; Lyons EA; Levi CS; Lindsay DJ, *Radiology* 1988; 169: 181
- ultrasound diagnosis of combined intrauterine and extrauterine pregnancy, Jurkovic D; Kurjak A; Alfirevic Z; et al, *JCU* 1988; 16: 259
- ultrasound findings in ectopic gestation, Simons ME; Cooperberg PL; Graham MF, *J Canad Assoc Radiol* 1986; 37: 9
- vaginal sonography in ectopic pregnancy: a prospective evaluation, Kempen A, *J Ultrasound Med* 1988; 7: 381
- value of the yolk sac in evaluating early pregnancies, Nyberg DA; Mack LA; Harvey D; et al, *J Ultrasound Med* 1988; 7: 129
- Pregnancy, irradiation in**
- 10-day recommendation, Pochin EE, *Clin Radiol* 1986; 37: 105
- absorbed dose to the fetus during bone scintigraphy, Hedrick WR; DiSimone RN; Wolf BH; Langer A, *Radiology* 1988; 168: 245
- bone scanning in pregnant patients with breast carcinoma, Baker J; Ali A; Groch MW; et al, *Clin Nucl Med* 1987; 12: 519
- frequency and efficacy of pelvimetry: Saskatoon experience, Miller K, *J Canad Assoc Radiol* 1986; 37: 273
- pelvic "doughnut": sign of incidental pregnancy on bone scintigraphy, Mandell GA; Harcke HT, *Clin Nucl Med* 1987; 12: 116
- radionuclide venography in pregnancy, Dhekne RD; Barron BJ; Koch ER, *J Nucl Med* 1987; 28: 1290
- transplacental uptake of WR 2721 by the rat embryo, Davis ME; Conger AD; Sodickoff M, *Int J Radiat Oncol Biol Phys* 1987; 13: 575
- Pregnancy, MR studies**
- extraadrenal pheochromocytoma: detection during pregnancy using MR imaging, Greenberg M; Moawad AH; Wietes BM; Goldberg LI; Kaplan EI; Greenberg B; Lindheimer MD, *Radiology* 1986; 161: 475
- magnetic resonance imaging in obstetrics and gynecology, McCarthy SM, *Magn Res Imag* 1986; 4: 59
- pelvic masses in pregnant patients: MR and US imaging, Weinreb JC; Brown CE; Lowe TW; Cohen JM; Erdman WA, *Radiology* 1986; 159: 717
- Pregnancy, US studies**
- See also Fetus, US studies
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Nyberg DA; Filly RA; Filho DLD; Laing FC; Mahony BS, *Radiology* 1986; 158: 393
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels, Kadar N; Romero R, *Radiology* 1986; 161: 854
- abnormal pregnancy: early diagnosis by US and serum chorionic gonadotropin levels: reply, Filly RA; Laing FC; Nyberg DA, *Radiology* 1986; 161: 854
- abruptio placentae: apparent thickening of the placenta caused by hypercholeic retroplacental clot, Mintz MC; Kurtz AB; Arenson R; et al, *J Ultrasound Med* 1986; 5: 411
- amniotic sac development: ultrasound features of early pregnancy—the double bleb sign, Yeh H-C; Rabinowitz JG, *Radiology* 1988; 166: 97
- amniotic sheets, Randel SB; Filly RA; Callen PW; Anderson RL; Golbus MS, *Radiology* 1988; 166: 633
- antenatal measurement of fetal umbilical venous flow by pulsed Doppler and B-mode ultrasonography, Chen H-Y; Lu C-C; Cheng Y-T; et al, *J Ultrasound Med* 1986; 5: 319
- application of ultrasound in the diagnosis of heterotopic pregnancy—a review of the literature, van Dam PA; Vanderheyden JS; Uyttenbroeck F, *JCU* 1988; 16: 159

- appropriate use of ultrasound in early pregnancy. Filly RA. *Radiology* 1988; 166: 274
- combined sonographic-pathologic surveillance in elective first-trimester termination of pregnancy. (ab). Goldstein SR; Snyder JR; Watson C; et al. *Radiology* 1988; 169: 289
- complicated first-trimester pregnancies: evaluation with endovaginal US versus transabdominal technique. Pennell RG; Baltarovich OH; Kurtz AB; Vilano MM; Rifkin MD; Needleman L; Mitchell DG; Mervis SA; Goldberg BB. *Radiology* 1987; 165: 79
- cysts in pregnancy discovered by sonography. Nelson MJ; Cavallieri R; Graham D; et al. *JCU* 1986; 14: 509
- diagnostic ultrasound imaging in pregnancy: report of the National Institutes of Health Consensus Development Conference 1984. Manco-Johnson ML. *Ultrasound Med Biol* 1986; 12: 710
- distinguishing normal from abnormal gestational sac growth in early pregnancy. Nyberg DA; Mack LA; Laing FC; et al. *J Ultrasound Med* 1987; 6: 23
- duplex ultrasound diagnosis of umbilical cord prolapse. Johnson RL; Anderson JC; Isrik RD; et al. *JCU* 1987; 15: 282
- early detection of intrauterine pregnancy with ultrasound. de Crespigny LC; Cooper D; McKenna M. *J Ultrasound Med* 1988; 7: 7
- early diagnosis of nonviable pregnancy with endovaginal US. Levi CS; Lycus EA; Lindsay DJ. *Radiology* 1988; 167: 383
- early pregnancy complications: endovaginal sonographic findings correlated with human chorionic gonadotropin levels. Nyberg DA; Mack LA; Laing FC; Jeffrey RB Jr. *Radiology* 1988; 167: 619
- ectopic pregnancy: diagnosis by sonography correlated with quantitative HCG levels. Nyberg DA; Filly RA; Laing FC; et al. *J Ultrasound Med* 1987; 6: 145
- ectopic pregnancy: role of sonography. Filly RA. *Radiology* 1987; 162: 661
- ectopic pregnancy: surgical-pathologic correlation with US. Rochester D; Panella JS; Port RB; Rosenfeld M; Rawal U. *Radiology* 1987; 165: 843
- endovaginal sonographic evaluation of ectopic pregnancy: a prospective study. Nyberg DA; Mack LA; Jeffrey RB Jr; et al. *AJR* 1987; 149: 1181
- gestational trophoblastic neoplasia: diagnosis with Doppler US. Taylor KJW; Schwartz PE; Kohorn EL. *Radiology* 1987; 165: 445
- gynecologic imaging: comparison of transabdominal and transvaginal sonography. Mendelson EB; Bohm-Velez M; Joseph N; Neiman HL. *Radiology* 1988; 166: 321
- interobserver variability: a source of error in obstetric ultrasound. Zador IE; Sokol RJ; Chik L. *J Ultrasound Med* 1988; 7: 245
- intrauterine sign: US criterion of early intrauterine pregnancy. Yeh H-C; Goodman JD; Carr L; Rabinowitz JG. *Radiology* 1986; 161: 463
- in utero exposure to diagnostic ultrasound: a 6-year follow-up. Lyons EA; Dyke C; Toms M; Cheang M. *Radiology* 1988; 166: 687
- leiomyomas in pregnancy: sonographic study. Lev-Toaff AS; Coleman BG; Arger PH; Mintz MC; Arenson RL; Toaff ME. *Radiology* 1987; 164: 375
- localized deposition of Wharton's jelly: sonographic findings. Ramanathan K; Epstein S; Yaghoobian J. *J Ultrasound Med* 1986; 5: 339
- long-term follow-up after removal of an abdominal pregnancy: ultrasound evaluation of the involuting placenta. Belfar HL; Kurtz AB; Wapner RJ. *J Ultrasound Med* 1988; 7: 521
- maternal urinary bladder filling for middle and late trimester ultrasound: is it really necessary? Persutte WH; Lenke RR. *J Ultrasound Med* 1988; 7: 207
- membrane thickness in ultrasound prediction of chorionicity of twin gestations. Townsend RK; Simpson GF; Filly RA. *J Ultrasound Med* 1988; 7: 327
- neonatal ovarian cysts: sonographic-pathologic correlation. Nusebaum AR; Sanders RC; Hartman DS; Dudgeon DL; Parmley TH. *Radiology* 1988; 168: 817
- pelvic masses in pregnant patients: MR and US imaging. Weinreb JC; Brown CE; Lowe TW; Cohen JM; Erdman WA. *Radiology* 1986; 159: 717
- placental abruption and placental hemorrhage: correlation of sonographic findings with fetal outcome. Nyberg DA; Mack LA; Benedetti TJ; Cyr DR; Schuman WP. *Radiology* 1987; 164: 357
- placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome. Sauerbrei EE; Pham DH. *Radiology* 1986; 160: 109
- placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome. Sauerbrei EE; Pham DH. *Radiology* 1986; 160: 109
- portable obstetrical ultrasound calculation and analysis using an inexpensive laptop microcomputer and simple BASIC program. Dunne MC; Dunne SB. *JCU* 1988; 16: 417
- prognostic value of ultrasound, HCG and progesterone in threatened abortion. Eriksen BC; Elk-Nes SH. *JCU* 1986; 14: 3
- role of ultrasound in obstetric management. Goldkranz JW; Benjamin DS; Cantor DM. *JCU* 1986; 14: 589
- role of ultrasound in the management of twin pregnancies. (ab). Pridmore BR. *Radiology* 1986; 158: 862
- routine obstetric ultrasound: effectiveness of cross-sectional screening for fetal growth retardation. Ferrazzi E; Nicolini U; Kustermann A; et al. *JCU* 1986; 14: 17
- second-trimester polyhydramnios: evaluation with US. Siviti CJ; Hill MC; Larsen JW; Lande IM. *Radiology* 1987; 165: 467
- severe polyhydramnios: incidence of anomalies. Barkin SZ; Pretorius DH; Beckett MK; et al. *AJR* 1987; 148: 155
- significance of membrane thickness in the sonographic evaluation of twin gestations. Hertzberg BS; Kurtz AB; Choi HY; et al. *AJR* 1987; 148: 151
- simple tailored microcomputer system for the obstetrical ultrasound laboratory. Carrasco CR; Leymaster CE. *J Ultrasound Med* 1986; 5: 21
- sonographic biophysical profile in the postdate pregnancy. Hann LE; McArdle CB; Sachs B. *J Ultrasound Med* 1987; 6: 191
- sonographic demonstration of simultaneous intrauterine and extrauterine gestation. Yaghoobian J; Pinck RL; Ramanathan K; et al. *J Ultrasound Med* 1986; 5: 309
- sonographic detection of interstitial pregnancy. Jafri SZH; Loginsky SJ; Bouffard JA; et al. *JCU* 1987; 15: 253
- sonographic diagnosis of the bilobate placenta. Anguaco TL; Boyd CM; Marks SR; et al. *J Ultrasound Med* 1986; 5: 672
- sonographic estimation of amniotic fluid volume: subjective assessment versus pocket measurements. Goldstein RB; Filly RA. *J Ultrasound Med* 1988; 7: 363
- sonographic evaluation of the adnexa during early pregnancy. (ab). Lavery JP; Koonitz WL; Layman L; et al. *Radiology* 1987; 163: 290
- sonographic findings in abdominal pregnancy. Stanley JH; Horger EO III; Fagan CJ; et al. *AJR* 1986; 147: 1043
- sonographic spectrum of placental abruption. Nyberg DA; Cyr DR; Mack LA; et al. *AJR* 1987; 148: 161
- spontaneous abortion rate in ultrasonographically viable pregnancies. (ab). Mackenzie WE; Holmes DS; Newton JR. *Radiology* 1988; 167: 884
- subchorionic hemorrhage: sonographic diagnosis and clinical significance. Abu-Yousef MM; Bleicher JJ; Williamson RA; et al. *AJR* 1987; 149: 737
- suspected ectopic pregnancy: endovaginal and transvesical US. Dashefsky SM; Lyons EA; Levi CS; Lindsay DJ. *Radiology* 1988; 169: 181
- technical factors responsible for "placental migration": sonographic assessment. Townsend RR; Laing FC; Nyberg DA; Jeffrey RB Jr; Wing VW. *Radiology* 1986; 160: 105
- threatened abortion: sonographic distinction of normal and abnormal gestation sacs. Nyberg DA; Laing FC; Filly RA. *Radiology* 1986; 158: 397
- threatened abortion: sonographic distinction of normal and abnormal gestation sacs. Cacklin AV; McAlpin J. *Radiology* 1986; 160: 567
- threatened abortion: sonographic distinction of normal and abnormal gestation sacs: reply. Nyberg DA; Laing FC; Filly RA. *Radiology* 1986; 160: 567
- transvaginal and transabdominal sonography: prospective comparison. Coleman BG; Arger PH; Grumbach K; Menard MK; Mintz MC; Allen KS; Arenson RL; Lamom KA. *Radiology* 1988; 168: 639
- twin gestations: monitoring of complications and anomalies with US. Coleman BG; Grumbach K; Arger PH; Mintz MC; Arenson RL; Mennuti M; Gabbe SG. *Radiology* 1987; 165: 449
- ultrasonography in patients with low maternal serum α -fetoprotein. Nelson LH; Burton BK; Sowers S. *J Ultrasound Med* 1987; 6: 59
- ultrasound appearance of particulate matter in amniotic cavity: vernix or meconium? DeVore GR; Platt LD. *JCU* 1986; 14: 229
- ultrasound diagnosis of combined intrauterine and extrauterine pregnancy. Jurkovic D; Kurjak A; Alfirevic Z; et al. *JCU* 1988; 16: 259
- ultrasound findings in ectopic gestation. Simons ME; Cooperberg PL; Graham MF. *J Canad Assoc Radiol* 1986; 37: 9
- ultrasound of the empty gestation sac in threatened abortion. Scott RF; Featherstone T; Hussey JK. *Clin Radiol* 1987; 38: 127
- use of furosemide in pregnancies complicated by oligohydramnios. Raghavendra BN; Young BK; Greco MA; Lustig-Gillman J; Horii SC; Hirsch MA; Yee J. *Radiology* 1987; 165: 455
- vaginal sonography in ectopic pregnancy: a prospective evaluation. Rempen A. *J Ultrasound Med* 1988; 7: 381
- value of the yolk sac in evaluating early pregnancies. Nyberg DA; Mack LA; Harvey D; et al. *J Ultrasound Med* 1988; 7: 129
- yolk sac calcification: a sonographic finding associated with intrauterine embryonic demise in the first trimester. Harris RD; Vincent LM; Askin FB. *Radiology* 1988; 166: 109
- yolk sac sign: sonographic appearance of the fetal yolk sac in missed abortion. Hurwitz SR. *J Ultrasound Med* 1986; 5: 435

Prolactin

See Hormones

Prostaglandin

- balloon-occluded arterial portography using prostaglandin E₁: improved visualization of the intrahepatic portal vein. Nakamura H; Hashimoto T; Oi H; et al. *Cardiovasc Intervent Radiol* 1987; 10: 264
- prostaglandin levels in human renal venous blood during renal arteriography. Pasjanen H; Satokari K; Uotila P; et al. *Eur J Radiol* 1986; 6: 132
- prostaglandins in diagnostic and therapeutic superior mesenteric artery pharmacangiography. Burgener FA; Gutierrez OH. *Invest Radiol* 1986; 21: 210
- pseudo-widening of cranial sutures as a feature of long-term prostaglandin E₁ therapy. Beitzke A; Stein J. *Pediatr Radiol* 1986; 16: 57
- reversibility of cortical hyperostosis following long-term prostaglandin E₁ therapy in infants with ductus-dependent congenital heart disease. Høst A; Halken S; Andersen PE Jr. *Pediatr Radiol* 1988; 18: 149

Prostate, abscess

- prostatic abscess: CT and sonographic findings. Thornhill BA; Morehouse HT; Coleman P; et al. *AJR* 1987; 148: 899
- prostatic abscess: imaging with transrectal sonography and MR. Papanicolaou N; Pfister RC; Stafford SA; et al. *AJR* 1987; 149: 981
- sonographic demonstration of prostatic abscess. Lee F Jr; Lee F; Solomon MH; et al. *J Ultrasound Med* 1986; 5: 101

Prostate, anatomy

Prostate, anatomy

magnetic resonance imaging of the internal anatomy of the prostate gland, Koslin DB; Kenney PJ; Koehler RE; et al, *Invest Radiol* 1987; 22: 947

MR imaging of the prostate gland: normal anatomy, Hricak H; Doms GC; McNeal JE; et al, *AJR* 1987; 148: 51

normal US anatomy of the prostate, Fornage BD, *Ultrasound Med Biol* 1986; 12: 1011

Prostate, biopsy

echogenic focus in prostatic sonograms, with xeroradiographic and histopathologic correlation, Dahner WF; Hamper UM; Walsh PC; Eggleston JC; Sanders RC, *Radiology* 1986; 159: 95

needle aspiration and core biopsy of prostate cancer: comparative evaluation with biplanar transrectal US guidance, Lee F; Littrup PJ; McLeary RD; Kumasaka GH; Borlaza GS; McHugh TA; Soderer MH; Roil LD, *Radiology* 1987; 163: 515

prevesical hematoma: complication of prostatic biopsy, Choyke PL; Blei CL; Jaffe MH; et al, *Urol Radiol* 1986; 8: 32

prostatic evaluation by transrectal sonography: criteria for diagnosis of early carcinoma, Lee F; Gray JM; McLeary RD; Lee F Jr; McHugh TA; Solomon MH; Kumasaka GH; Straub WH; Borlaza GS; Murphy GP, *Radiology* 1986; 158: 91

prostatic evaluation by transrectal sonography with histopathologic correlation: echogenic appearance of early carcinoma, Dahner WF; Hamper UM; Eggleston JC; Walsh PC; Sanders RC, *Radiology* 1986; 158: 97

transrectal ultrasound guided versus digitally directed prostatic biopsy: a comparative study, (ab), Resnick MI, *Radiology* 1988; 169: 289

ultrasound versus digitally directed prostatic needle biopsy, (ab), Liddell HT, McDougal WS; Burks DD; et al, *Radiology* 1986; 160: 858

use of transrectal ultrasound in the diagnosis, guided biopsy, staging and screening of prostate cancer, Lee F; Littrup PJ; Kumasaka GH; Borlaza GS; McLeary RD, *Radiographics* 1987; 7: 627

Prostate, CT

accuracy of CT in the staging of carcinoma of the prostate, Platt JF; Bree RL; Schwab RE, *AJR* 1987; 149: 315

computed tomography of midline cysts of the prostate, Schwartz JM; Bosniak MA; Hulnick DH; et al, *JCAT* 1988; 12: 215

computerized tomography and transrectal ultrasound in the assessment of local extension of prostatic cancer before radical retropubic prostatectomy, (ab), Salo JO; Kivisaari L; Rannikko S; et al, *Radiology* 1987; 164: 883

giant prostate carcinoma: computed tomography findings and review of previous reports, Barloon TJ; Foderaro AE; Kramolowsky EV, *CT* 1988; 12: 49

lower urinary tract computed tomography, Arger PH; Coleman BG; Mintz MC, *Semin US CT MR* 1986; 7: 287

magnetic resonance (MR) imaging of prostatic tumours, a comparison with X-ray CT and transrectal sonography (TRS), Bockisch A; Jäger N; Biersack H-J; et al, *Eur J Radiol* 1988; 8: 54

prostatic abscess: CT and sonographic findings, Thornhill BA; Morehouse HT; Coleman P; et al, *AJR* 1987; 148: 899

value of computerized tomography scan and magnetic resonance imaging in staging prostatic carcinoma: comparison with the clinical and histological staging, (ab), Mukamel E; Hannah J; Barbaric ZL; et al, *Radiology* 1987; 163: 840

Prostate, cysts

computed tomography of midline cysts of the prostate, Schwartz JM; Bosniak MA; Hulnick DH; et al, *JCAT* 1988; 12: 215

Mullerian duct cyst: diagnosis with MR imaging, Thurnher S; Hricak H; Tanagho EA, *Radiology* 1988; 168: 25

transrectal US of the seminal vesicles and ejaculatory ducts: clinical correlation, Littrup PJ; Lee F; McLeary RD; Wu D; Lee A; Kumasaka GH, *Radiology* 1988; 168: 625

ultrasound diagnosis of a prostatic cyst causing acute urinary retention, Hamilton S; Fitzpatrick JM, *J Ultrasound Med* 1987; 6: 385

Prostate, diseases

excretory urography in patients with prostatism, Bundrick TJ; Katz PG, *AJR* 1986; 147: 957

routine urography in men with prostatism, Talner LB, *AJR* 1986; 147: 960

transrectal US of the seminal vesicles and ejaculatory ducts: clinical correlation, Littrup PJ; Lee F; McLeary RD; Wu D; Lee A; Kumasaka GH, *Radiology* 1988; 168: 625

Prostate, hyperplasia

assessment of prostatism: role of intravenous urography, Wasserman NF; Lapointe S; Eckmann DR; Rosel PR, *Radiology* 1987; 163: 831

in vivo estimation of relaxation processes in benign hyperplasia and carcinoma of the prostate gland by magnetic resonance imaging, Kjaer L; Thomsen C; Iversen P; et al, *Magn Res Imag* 1987; 5: 23

morphologic basis of MR imaging of benign prostatic hyperplasia, Hruban RH; Zerhouni EA; Dagher AP; et al, *JCAT* 1987; 11: 1035

noise-reduced prostatic MR imaging: work in progress, Sommer G; Brosnan T; Cao Q; Nishimura D; Macovski A; McNeal J, *Radiology* 1988; 169: 347

prostatic carcinoma and benign prostatic hyperplasia: inability of MR imaging to distinguish between the two diseases, Ling D; Lee JKT; Heiken JP; Balfe DM; Glazer HS; McClennan BL, *Radiology* 1986; 158: 103

prostatic disorders: MR imaging at 1.5 T, Phillips ME; Kressel HY; Spritzer CE; Arger PH; Wein AJ; Marinelli D; Axel L; Gefter WB; Pollack HM, *Radiology* 1987; 164: 386

prostatic evaluation by transrectal sonography: criteria for diagnosis of early carcinoma, Lee F; Gray JM; McLeary RD; Lee F Jr; McHugh TA; Solomon MH; Kumasaka GH; Straub WH; Borlaza GS; Murphy GP, *Radiology* 1986; 158: 91

prostatic evaluation of transrectal endosonography: detection of carcinoma, Rifkin MD; Friedland GW; Shortliffe L, *Radiology* 1986; 158: 85

Prostate, hypertrophy

abnormal prostate: MR imaging at 1.5 T with histopathologic correlation, Carroll CL; Sommer FG; McNeal JE; Stamey TA, *Radiology* 1987; 163: 521

benign prostatic hypertrophy: retrograde transurethral dilation of the prostatic urethra in humans: work in progress, Castaneda F; Reddy PK; Wasserman N; Hulbert JC; Lund GB; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 649

natural history of benign prostatic hypertrophy, Watanabe H, *Ultrasound Med Biol* 1986; 12: 567

prostatic urethra: experimental dilation in dogs, Castaneda F; Lund GB; Larson BW; Linas E; Urness M; Reddy PK; Wasserman N; Hulbert JC; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 645

ultrasound as an alternative to intravenous urography in prostatism, Fidas A; Mackinlay JY; Wild SR; et al, *Clin Radiol* 1987; 38: 479

urethroplasty with balloon catheter in prostatic hypertrophy, Castaneda F; Johnson S; Hulbert JC; et al, *AJR* 1987; 149: 313

Prostate, MR studies

abnormal prostate: MR imaging at 1.5 T with histopathologic correlation, Carroll CL; Sommer FG; McNeal JE; Stamey TA, *Radiology* 1987; 163: 521

clinical stage B prostate carcinoma: staging with MR imaging, Biondetti PR; Lee JKT; Ling D; Catalona WJ, *Radiology* 1987; 162: 325

evaluation of prostate size: comparison of ultrasound and magnetic resonance imaging, Hricak H; Jeffrey RB Jr; Doms GC; et al, *Urol Radiol* 1987; 9: 1

evaluation of the prostate by magnetic resonance imaging, Larkin BT; Berquist TH; Utz DC, *Magn Res Imag* 1986; 4: 53

genitourinary radiology. RSNA '87 meeting notes, Dunnick NR; Bettmann MA; Foley WD; Lang E; McClennan BL; Newhouse JH; Rifkin MD, *Radiology* 1988; 166: 601

imaging prostate carcinoma, Hricak H, *Radiology* 1988; 169: 569

incidental prostatic carcinoma detected by MRI and diagnosed by MRI/CT-guided biopsy, Herman SD; Friedman AC; Radecki PD; et al, *AJR* 1986; 146: 351

inflatable surface coil for MR imaging of the prostate, Martin JF; Hajek P; Baker L; Gyls-Morin V; Fitzmorris-Glass R; Mattrey RR, *Radiology* 1988; 167: 268

in vivo estimation of relaxation processes in benign hyperplasia and carcinoma of the prostate gland by magnetic resonance imaging, Kjaer L; Thomsen C; Iversen P; et al, *Magn Res Imag* 1987; 5: 23

magnetic resonance imaging of the internal anatomy of the prostate gland, Koslin DB; Kenney PJ; Koehler RE; et al, *Invest Radiol* 1987; 22: 947

magnetic resonance imaging of the pelvis: prostate and urinary bladder, Doms GC; Hricak H, *Urol Radiol* 1986; 8: 156

magnetic resonance imaging of the prostate, Poon PY, *Semin US CT MR* 1986; 7: 298

magnetic resonance imaging of the prostate, Bryan PJ; Butler HE; Nelson AD; et al, *AJR* 1986; 146: 543

magnetic resonance (MR) imaging of prostatic tumours, a comparison with X-ray CT and transrectal sonography (TRS), Bockisch A; Jäger N; Biersack H-J; et al, *Eur J Radiol* 1988; 8: 54

magnetic resonance tomography of the pelvis, Smith FW, *Cardiovasc Intervent Radiol* 1986; 8: 367

morphologic basis of MR imaging of benign prostatic hyperplasia, Hruban RH; Zerhouni EA; Dagher AP; et al, *JCAT* 1987; 11: 1035

MR depiction of zonal anatomy of the prostate at 1.5 T, Sommer FG; McNeal JE; Carroll CL, *JCAT* 1986; 10: 983

MR imaging of the prostate gland: normal anatomy, Hricak H; Doms GC; McNeal JE; et al, *AJR* 1987; 148: 51

MRI of periprostatic venous plexus in staging of early prostatic carcinoma, Poon PY; McCallum RW; Henkelman RM; et al, *J Canad Assoc Radiol* 1988; 39: 111

MRI of the bladder and prostate, Lee JKT; Rholl KS, *AJR* 1986; 147: 732

noise-reduced prostatic MR imaging: work in progress, Sommer G; Brosnan T; Cao Q; Nishimura D; Macovski A; McNeal J, *Radiology* 1988; 169: 347

normal prostate and adjacent structures: MR imaging at 1.5 T, Phillips ME; Kressel HY; Spritzer CE; Arger PH; Wein AJ; Axel L; Gefter WB; Pollack HM, *Radiology* 1987; 164: 381

prostatic abscess: imaging with transrectal sonography and MR, Papanicolaou N; Pfister RC; Stafford SA; et al, *AJR* 1987; 149: 981

prostatic carcinoma and benign prostatic hyperplasia: inability of MR imaging to distinguish between the two diseases, Ling D; Lee JKT; Heiken JP; Balfe DM; Glazer HS; McClennan BL, *Radiology* 1986; 158: 103

prostatic carcinoma: staging by clinical assessment, CT, and MR imaging, Hricak H; Doms GC; Jeffrey RB Jr; Avallone A; Jacobs D; Benton WK; Narayan P; Tanagho EA, *Radiology* 1987; 162: 331

prostatic carcinoma: staging with MR imaging at 1.5 T, Bezzi M; Kressel HY; Allen KS; Schiebler ML; Altman HG; Wein AJ; Pollack HM, *Radiology* 1988; 169: 339

prostatic disorders: MR imaging at 1.5 T, Phillips ME; Kressel HY; Spritzer CE; Arger PH; Wein AJ; Marinelli D; Axel L; Gefter WB; Pollack HM, *Radiology* 1987; 164: 386

rhabdomyosarcoma of the prostate: MR findings, Bartolozzi C; Selli C; Olmastroni M; et al, *AJR* 1988; 150: 1333

value of computerized tomography scan and magnetic resonance imaging in staging prostatic carcinoma: comparison with the clinical and histological staging, (ab), Mukamel E; Hannah J; Barbaric ZL; et al, *Radiology* 1987; 163: 840

Prostate, neoplasms

- abnormal prostate: MR imaging at 1.5 T with histopathologic correlation, Carroll CL; Sommer FG; McNeal JE; Stamey TA, *Radiology* 1987; 163: 521
- accuracy of CT in the staging of carcinoma of the prostate, Platt JF; Bree RL; Schwab RE, *AJR* 1987; 149: 315
- adjuvant estrogen following radiation therapy for stage C adenocarcinoma of the prostate: long-term results of a prospective randomized study, Zagars GK; Johnson DE; von Eschenbach AC; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1085
- clinical application of transrectal ultrasonography and prostate specific antigen in the search for prostate cancer, (ab), Cooner WH; Mosley BR; Rutherford CL Jr; et al, *Radiology* 1988; 169: 289
- clinical stage B prostate carcinoma: staging with MR imaging, Biondetti FR; Lee JKT; Ling D; Catalano WJ, *Radiology* 1987; 162: 325
- colour visualization as an aid to the comparison of treatment plans for prostatic carcinoma, Hahn P; Shalev S; Therrien P, *Acta Oncol* 1987; 26: 313
- combined gold seed implantation and external radiotherapy for Stage B2 or C prostate cancer, (ab), Carey PO; Lippert MC; Constable WC; et al, *Radiology* 1988; 169: 588
- coming of age of radiologic imaging screening, Hall FM, *Radiology* 1988; 168: 579
- comparison of digital examination and transrectal ultrasonography for the diagnosis of prostatic cancer, (ab), Chodak GW; Wald V; Farmer E; et al, *Radiology* 1986; 161: 574
- computerized tomography and transrectal ultrasound in the assessment of local extension of prostatic cancer before radical retropubic prostatectomy, (ab), Salo JO; Kivisaari L; Rannikko S; et al, *Radiology* 1987; 164: 883
- correlation of pre-treatment transurethral resection and prognosis in patients with stage C carcinoma of the prostate treated with definitive radiotherapy—RTOG experience, Pilepich MV; Krall JM; Hanks GE; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 195
- correlation of radiotherapeutic parameters and treatment related morbidity in carcinoma of the prostate—analysis of RTOG study 75-06, Pilepich MV; Krall JM; Sause WT; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 351
- correlation of radiotherapeutic parameters and treatment related morbidity—analysis of RTOG study 77-06, Pilepich MV; Asbell SO; Krall JM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1007
- CT features of perirectal fascia thickening after transurethral resection of prostatic adenoma, Parienty RA; Vallancien G; Pradel J; et al, *JCAT* 1987; 11: 92
- current conflicts in the management of prostatic cancer, Bagshaw MA, *Int J Radiat Oncol Biol Phys* 1986; 12: 1721
- definitive radiotherapy in resectable (stage A₂ and B) carcinoma of the prostate—results of a nationwide overview, Pilepich MV; Bagshaw MA; Asbell SO; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 659
- early prostate cancer: diagnostic costs of screening transrectal US and digital rectal examination, Torp-Pedersen ST; Litttrup PJ; Lee F; Mettlin C, *Radiology* 1988; 169: 351
- echogenic focus in prostatic sonograms, with xeroradiographic and histopathologic correlation, Dahmert WF; Hamper UM; Walsh PC; Eggleston JC; Sanders RC, *Radiology* 1986; 159: 95
- echogenic structure of prostatic cancer imaged on radical prostatectomy specimens, (ab), Salo JO; Rannikko S; Makinen J; et al, *Radiology* 1988; 166: 292
- effect of prior transurethral resection of the prostate on post radiation urethral strictures and bladder neck contractures, Seymour CH; El-Mahdi AM; Schellhammer PF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1597
- effect of TURP for prognosis in prostatic carcinoma, Kuban DA; El-Mahdi AM; Schellhammer PF, *Int J Radiat Oncol Biol Phys* 1987; 13: 1653
- extended field (periaortic) irradiation in carcinoma of the prostate—analysis of RTOG 75-06, Pilepich MV; Krall JM; Johnson RJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 345
- false-negative bone image with radiographically evident osteoblastic lesions in prostatic carcinoma, Vasquez TE; Frey C; Walker LN; et al, *Clin Nucl Med* 1986; 11: 817
- giant prostate carcinoma: computed tomography findings and review of previous reports, Barloon TJ; Foderaro AE; Kramolowsky EV, *CT* 1988; 12: 49
- headless bone scan: an uncommon manifestation of metastatic suprascan in carcinoma of the prostate, Massie JD; Sebes JL, *Skeletal Radiol* 1988; 17: 111
- how accurate is the index finger? a comparison of digital and ultrasound examination of the prostatic nodule, Clements R; Griffiths CJ; Feeling WB; et al, *Clin Radiol* 1988; 39: 87
- imaging prostate carcinoma, Hricak H, *Radiology* 1988; 169: 569
- immunoscintigraphic evaluation of lymph node involvement in prostatic carcinoma, (ab), Viikio P; Kontturi M; Lukkarinen O; et al, *Radiology* 1988; 167: 588
- implications of small, peripheral hypoechoic lesions in endorectal US of the prostate, Rifkin MD; Choi H, *Radiology* 1988; 166: 619
- incidental prostatic carcinoma detected by MRI and diagnosed by MRI/CT-guided biopsy, Herman SD; Friedman AC; Radecki PD; et al, *AJR* 1986; 146: 351
- interaction of irradiation and microwave-induced hyperthermia in the Dunning R3327G prostatic adenocarcinoma model, Gottlieb CF; Seibert GB; Block NL, *Radiology* 1988; 169: 243
- in vivo estimation of relaxation processes in benign hyperplasia and carcinoma of the prostate gland by magnetic resonance imaging, Kjaer L; Thomsen C; Iversen P; et al, *Magn Res Imag* 1987; 5: 23
- ¹²⁵Iodine implantation after lymphadenectomy in early carcinoma of the prostate, Giles GM; Brady LW, *Int J Radiat Oncol Biol Phys* 1986; 12: 2117
- lower urinary tract computed tomography, Arger PH; Coleman BG; Mintz MC, *Semin US CT MR* 1986; 7: 287
- lymphographic findings in prostatic carcinoma with distant metastases, (ab), Veronesi A; Figoli F; Tirelli U; et al, *Radiology* 1987; 162: 292
- magnetic resonance (MR) imaging of prostatic tumours, a comparison with X-ray CT and transrectal sonography (TRS), Bockisch A; Jäger N; Biernack H-J; et al, *Eur J Radiol* 1988; 8: 54
- metastatic adenocarcinoma of the prostate as a cause of subdural hematoma, (ab), Bucci MN; Farhat SM, *Radiology* 1986; 160: 858
- MRI of periprostatic venous plexus in staging of early prostatic carcinoma, Poon PY; McCallum RW; Henkelman RM; et al, *J Canad Assoc Radiol* 1988; 39: 111
- natural history of localised prostatic cancer managed by conservative therapy alone, (ab), George NJR, *Radiology* 1988; 169: 882
- needle aspiration and core biopsy of prostate cancer: comparative evaluation with biplanar transrectal US guidance, Lee F; Litttrup PJ; McLeary RD; Kumasaka GH; Borlaza GS; McHugh TA; Soiderer MH; Roi LD, *Radiology* 1987; 163: 515
- noise-reduced prostatic MR imaging: work in progress, Sommer G; Brosnan T; Cao Q; Nishimura D; Macovski A; McNeal J, *Radiology* 1988; 169: 347
- outcome of treatment of 313 patients with T-1 (UICC) prostate cancer treated with external beam irradiation, Hanks GE; Krall JM; Martz KL; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 243
- papillary carcinoma of the prostate, location, morphology, and immunohistochemistry: the histogenesis and entity of so-called endometrioid carcinoma, (ab), Wernert N; Luchtrath H; Seeliger H; et al, *Radiology* 1987; 165: 883
- postoperative radiation therapy for pathologic stage C prostate cancer, Jacobson GM; Smith JA Jr; Stewart JR, *Int J Radiat Oncol Biol Phys* 1987; 13: 1021
- postoperative radiotherapy for patients with carcinoma of the prostate undergoing radical prostatectomy with positive surgical margins, seminal vesicle involvement and/or penetration through the capsule, (ab), Anacher MS; Prosnitz LR, *Radiology* 1988; 168: 293
- preoperative irradiation, lymphadenectomy, and ¹²⁵Iodine implantation for patients with localized carcinoma of the prostate, DeLaney TP; Shipley WU; O'Leary MP; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1779
- preservation of potency after external beam irradiation for prostate cancer, Banker FL, *Int J Radiat Oncol Biol Phys* 1988; 15: 219
- president's address: cancer cure with organ preservation using radiation therapy, Brady LW; Markoe AM; Fisher S, *Radiology* 1986; 160: 1
- prognostic factors in carcinoma of the prostate—analysis of RTOG study 75-06, Pilepich MV; Krall JM; Sause WT; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 339
- prostate cancer: comparison of transrectal US and digital rectal examination for screening, Lee F; Litttrup PJ; Torp-Pedersen ST; Mettlin C; McHugh TA; Gray JM; Kumasaka GH; McLeary RD, *Radiology* 1988; 168: 389
- prostatic cancer therapy: comparison of external-beam radiation and I-125 seed implantation treatment of stages B and C neoplasms, Morton JD; Harrison LB; Peschel RE, *Radiology* 1986; 159: 249
- prostatic carcinoma and benign prostatic hyperplasia: inability of MR imaging to distinguish between the two diseases, Ling D; Lee JKT; Heiken JP; Balfe DM; Glazer HS; McClennan BL, *Radiology* 1986; 158: 103
- prostatic carcinoma: limited field irradiation, Rounsaville MC; Green JP; Vaeth JM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1013
- prostatic carcinoma: staging by clinical assessment, CT, and MR imaging, Hricak H; Doms GC; Jeffrey RB Jr; Avallone A; Jacobs D; Benton WK; Narayan P; Tanagho EA, *Radiology* 1987; 162: 331
- prostatic carcinoma: staging with MR imaging at 1.5 T, Bezi M; Kressel HY; Allen KS; Schiebler ML; Altman HG; Wein AJ; Pollack HM, *Radiology* 1988; 169: 339
- prostatic disorders: MR imaging at 1.5 T, Phillips ME; Kressel HY; Spritzer CE; Arger PH; Wein AJ; Marinelli D; Axel L; Gefter WB; Pollack HM, *Radiology* 1987; 164: 386
- prostatic evaluation by transrectal sonography: criteria for diagnosis of early carcinoma, Lee F; Gray JM; McLeary RD; Lee F Jr; McHugh TA; Solomon MH; Kumasaka GH; Straub WH; Borlaza GS; Murphy GP, *Radiology* 1986; 158: 91
- prostatic evaluation by transrectal sonography with histopathologic correlation: echogenic appearance of early carcinoma, Dahmert WF; Hamper UM; Eggleston JC; Walsh PC; Sanders RC, *Radiology* 1986; 158: 97
- prostatic evaluation of transrectal endosonography: detection of carcinoma, Rifkin MD; Friedland GW; Shortliffe L, *Radiology* 1986; 158: 85
- radiation therapy as adjuvant treatment after radical prostatectomy: patient tolerance and preliminary results, (ab), Lange PH; Moon TD; Narayan P; et al, *Radiology* 1987; 162: 292
- radical prostatectomy or radiotherapy in carcinoma of prostate: the dilemma continues, (ab), Pilepich MV; Bagshaw MA; Asbell SO; et al, *Radiology* 1988; 166: 586
- radical treatment of prostatic carcinoma by megavoltage X-ray therapy, Preston CL; Duncan W; Kerr GR, *Clin Radiol* 1986; 37: 473
- radioimmunological imaging of metastatic prostatic cancer with ¹¹¹Indium-labeled monoclonal antibody PAY 276, (ab), Babaian RJ; Murray JL; Lamki LM; et al, *Radiology* 1987; 164: 883

- radiotherapeutic prophylaxis of estrogen-induced gynecomastia: study of late sequelae. Fass D; Steinfield A; Brown J; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 407
- regression of osteoblastic metastases from carcinoma of the prostate following therapy with tamoxifen. Amin R, Br J Radiol 1986; 59: 703
- results of treatment of patients with stage D₁ prostatic carcinoma, (ab). DeKernion JB; Huang M-Y; Kaufman JJ; et al. *Radiology* 1986; 159: 571
- rhabdomyosarcoma of the prostate: MR findings. Bartolozzi C; Selli C; Olmastroni M; et al. *AJR* 1988; 150: 1333
- role of radiation therapy in stages A2 and B adenocarcinoma of the prostate. Zagars GK; von Eschenbach AC; Johnson DE; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 701
- scintigraphy with In-111-labeled monoclonal antitumor antibodies: kinetics, biodistribution, and tumor detection. Halpern SE; Haindl W; Beauregard J; Hagan P; Clutter M; Amox D; Merchant B; Unger M; Mongovi C; Bartholomew R; Jue R; Carlo D; Dillman R. *Radiology* 1988; 168: 529
- Sr-89 therapy for metastatic bone disease: scintigraphic and radiographic follow-up. Klobier R; Molnar CP; Barnes M. *Radiology* 1987; 163: 719
- staging of prostatic carcinoma with radionuclide bone scintigraphy and lymphography. Hayward SJ; McIvor J; Burdge AH; et al. *Br J Radiol* 1987; 60: 79
- standardized endosonographic evaluation of prostate cancer: receiver-operator-characteristic analysis. Baran GW; Golin A; Bergsma C; et al. *AJR* 1987; 149: 975
- suprapubic sonographic detection of prostate carcinoma, (ab). Hennig RC; Wilson SR. *Radiology* 1986; 158: 287
- technetium-99m DTPA localized in gynecomastia secondary to orchiectomy and estrogen therapy in a patient with carcinoma of the prostate. Shih W-J; Wierzbinski B; Magoun S; et al. *Clin Nucl Med* 1988; 13: 306
- ten year follow-up of 682 patients treated for prostate cancer with radiation therapy in the United States. Hanks GE; Diamond JJ; Krall JM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 499
- total bone uptake in management of metastatic carcinoma of the prostate, (ab). Dann J; Castronovo FP Jr; McKusick KA; et al. *Radiology* 1987; 165: 296
- transrectal sonography of benign and malignant prostatic lesions. Burks DD; Drolshagen LF; Fleischer AC; et al. *AJR* 1986; 146: 1187
- transrectal ultrasonography as a follow-up method in prostatic carcinoma after external beam and interstitial radiotherapy. Engender G; Pirker E; Rapf C; et al. *Eur J Radiol* 1988; 8: 37
- transrectal US of the prostate: is the technology leading the science? McClellan BL. *Radiology* 1988; 168: 571
- ultrasonography of prostatic carcinoma employing amplitude-enveloped (AM) and frequency-demodulated (FM) imaging: in vivo, in vitro, and pathologic correlation. Hamper UM; Dahner WF; Eggleston JC; et al. *J Ultrasound Med* 1986; 5: 557
- ultrasound appearances of prostatic cancer with histological correlation. Griffiths GJ; Clements R; Jones DR; et al. *Clin Radiol* 1987; 38: 219
- US characteristics of frozen prostate. Onik G; Cobb C; Cohen J; Zabkar J; Porterfield B. *Radiology* 1988; 168: 629
- use of transrectal ultrasound in the diagnosis, guided biopsy, staging and screening of prostate cancer. Lee F; Littrup PJ; Kumasaka GH; Borlaza GS; McLeary RD. *Radiographics* 1987; 7: 627
- value of computerized tomography scan and magnetic resonance imaging in staging prostatic carcinoma: comparison with the clinical and histological staging, (ab). Mukamel E; Hannah J; Barbaric ZL; et al. *Radiology* 1987; 163: 840
- vicryl carrier for I-125 seeds: percutaneous transperineal insertion. Kumar PP; Good RR. *Radiology* 1986; 159: 276
- Prostate, radionuclide studies**
- staging of prostatic carcinoma with radionuclide bone scintigraphy and lymphography. Hayward SJ; McIvor J; Burdge AH; et al. *Br J Radiol* 1987; 60: 79
- Prostate, surgery**
- bladder herniation through abdominal wall: exceptional complication of retropubic prostatic adenectomy. Calabro A; Di Prima F; Aragona F; et al. *Urol Radiol* 1987; 9: 56
- Prostate, therapeutic radiology**
- adjuvant estrogen following radiation therapy for stage C adenocarcinoma of the prostate: long-term results of a prospective randomized study. Zagars GK; Johnson DE; von Eschenbach AC; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1085
- adjuvant radiotherapy following radical prostatectomy: results and complications, (ab). Gibbons RP; Cole BS; Richardson RG; et al. *Radiology* 1986; 159: 821
- colour visualization as an aid to the comparison of treatment plans for prostatic carcinoma. Hahn P; Shalev S; Therrien P. *Acta Oncol* 1987; 26: 313
- combined gold seed implantation and external radiotherapy for Stage B2 or C prostate cancer, (ab). Carey PO; Lippert MC; Constable WC; et al. *Radiology* 1988; 169: 588
- comparison of the cost of various treatment methods for early cancer of the prostate. Hanks GE; Dunlap K. *Int J Radiat Oncol Biol Phys* 1986; 12: 1879
- comparison of whole pelvis versus small-field radiation therapy for carcinoma of prostate, (ab). Ploysongsang S; Scott RM; Aron BS; et al. *Radiology* 1986; 160: 573
- correlation of pre-treatment transurethral resection and prognosis in patients with stage C carcinoma of the prostate treated with definitive radiotherapy—RTOG experience. Pilepich MV; Krall JM; Hanks GE; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 195
- correlation of radiotherapeutic parameters and treatment related morbidity in carcinoma of the prostate—analysis of RTOG study 75-06. Pilepich MV; Krall JM; Sause WT; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 351
- correlation of radiotherapeutic parameters and treatment related morbidity—analysis of RTOG study 77-06. Pilepich MV; Asbell SO; Krall JM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1007
- current conflicts in the management of prostatic cancer. Bagshaw MA. *Int J Radiat Oncol Biol Phys* 1986; 12: 1721
- definitive radiotherapy following prostatectomy: results and complications. Forman JD; Wharam MD; Lee DJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 185
- definitive radiotherapy in resectable (stage A₂ and B) carcinoma of the prostate—results of a nationwide overview. Pilepich MV; Bagshaw MA; Asbell SO; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 659
- extended field (periaortic) irradiation in carcinoma of the prostate—analysis of RTOG 75-06. Pilepich MV; Krall JM; Johnson RJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 345
- interaction of irradiation and microwave-induced hyperthermia in the Dunning R3327G prostatic adenocarcinoma model. Gottlieb CF; Seibert GB; Block NL. *Radiology* 1988; 169: 243
- iodine-125 implants versus external beam therapy for stages A2, B, and C prostate cancer. Morton JD; Peschel RE. *Int J Radiat Oncol Biol Phys* 1988; 14: 1153
- ¹²⁵Iodine implantation after lymphadenectomy in early carcinoma of the prostate. Giles GM; Brady LW. *Int J Radiat Oncol Biol Phys* 1986; 12: 2117
- local failure after definitive therapy for prostatic cancer, (ab). Robey EL; Schellhammer PF. *Radiology* 1987; 165: 538
- outcome of treatment of 313 patients with T-1 (UICC) prostate cancer treated with external beam irradiation. Hanks GE; Krall JM; Martz KL; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 243
- postoperative radiation therapy for pathologic stage C prostate cancer. Jacobson GM; Smith JA Jr; Stewart JR. *Int J Radiat Oncol Biol Phys* 1987; 13: 1021
- postoperative radiotherapy for patients with carcinoma of the prostate undergoing radical prostatectomy with positive surgical margins, seminal vesicle involvement and/or penetration through the capsule, (ab). Anscher MS; Prosnitz LR. *Radiology* 1988; 168: 293
- preoperative irradiation, lymphadenectomy, and ¹²⁵Iodine implantation for patients with localized carcinoma of the prostate. DeLaney TF; Shipley WU; O'Leary MP; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1779
- preservation of potency after external beam irradiation for prostate cancer. Banker FL. *Int J Radiat Oncol Biol Phys* 1988; 15: 219
- president's address: cancer cure with organ preservation using radiation therapy. Brady LW; Markoe AM; Fisher S. *Radiology* 1986; 160: 1
- prognostic factors in carcinoma of the prostate—analysis of RTOG study 75-06. Pilepich MV; Krall JM; Sause WT; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 339
- prostatic cancer therapy: comparison of external-beam radiation and I-125 seed implantation treatment of stages B and C neoplasms. Morton JD; Harrison LB; Peschel RE. *Radiology* 1986; 159: 249
- prostatic carcinoma: limited field irradiation. Rounsaville MC; Green JP; Vaeth JM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1013
- quality control of radiation therapy in multi-institutional randomized clinical trial for localized prostate cancer, (ab). Hafermann MD; Gibbons RP; Murphy GP. *Radiology* 1988; 169: 289
- radiation therapy as adjuvant treatment after radical prostatectomy: patient tolerance and preliminary results, (ab). Lange PH; Moon TD; Narayan P; et al. *Radiology* 1987; 162: 292
- radical treatment of prostatic carcinoma by megavoltage X-ray therapy. Preston CI; Duncan W; Kerr GR. *Clin Radiol* 1986; 37: 473
- radiotherapy in multiple fractions per day for prostatic carcinoma: late complications. Vanuytsel L; Ang KK; Vandebussche L; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1589
- remote interstitial afterloading in cancer of the prostate: preliminary experience with the MicroSelectron. Porter AT; Scrimger JW; Pocha JS. *Int J Radiat Oncol Biol Phys* 1988; 14: 571
- role of radiation therapy in stages A2 and B adenocarcinoma of the prostate. Zagars GK; von Eschenbach AC; Johnson DE; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 701
- seed loss in interstitial radiotherapy of prostatic carcinoma with I-125. Sommerkamp H; Rupperecht M; Wannenmacher M. *Int J Radiat Oncol Biol Phys* 1988; 14: 389
- ten year follow-up of 682 patients treated for prostate cancer with radiation therapy in the United States. Hanks GE; Diamond JJ; Krall JM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 499
- tumor control in definitive irradiation of localized carcinoma of the prostate. Perez CA; Pilepich MV; Zivnuska F. *Int J Radiat Oncol Biol Phys* 1986; 12: 523
- vicryl carrier for I-125 seeds: percutaneous transperineal insertion. Kumar PP; Good RR. *Radiology* 1986; 159: 276
- Prostate, US studies**
- clinical application of transrectal ultrasonography and prostate specific antigen in the search for prostate cancer, (ab). Cooner WH; Mosley BR; Rutherford CL Jr; et al. *Radiology* 1988; 169: 289
- coming of age of radiologic imaging screening. Hall FM. *Radiology* 1988; 168: 579
- comparison of digital examination and transrectal ultrasonography for the diagnosis of prostatic cancer, (ab). Chodak GW; Wald V; Farmer E; et al. *Radiology* 1986; 161: 574
- computerized tomography and transrectal ultrasound in the assessment of local extension of prostatic cancer before radical retropubic prostatectomy, (ab). Salo JO; Kivisaari L; Rannikko S; et al. *Radiology* 1987; 164: 883

- early prostate cancer: diagnostic costs of screening transrectal US and digital rectal examination, Torp-Pedersen ST; Littrup PJ; Lee F; Mettlin C, *Radiology* 1988; 169: 351
- echogenic focus in prostatic sonograms, with xeroradiographic and histopathologic correlation, Dahner WF; Hamper UM; Walsh PC; Eggleston JC; Sanders RC, *Radiology* 1986; 159: 95
- endorectal sonography of the prostate: clinical implications, Rifkin MD, *AJR* 1987; 148: 1137
- evaluation of prostate size: comparison of ultrasound and magnetic resonance imaging, Hricak H; Jeffrey RB Jr; Dooms GC; et al, *Urol Radiol* 1987; 9: 1
- genitourinary radiology. RSNA '87 meeting notes, Dunnick NR; Bettmann MA; Foley WD; Lang E; McClennan BL; Newhouse JH; Rifkin MD, *Radiology* 1988; 166: 601
- implications of small, peripheral hypoechoic lesions in endorectal US of the prostate, Rifkin MD; Choi H, *Radiology* 1988; 166: 619
- magnetic resonance (MR) imaging of prostatic tumours, a comparison with X-ray CT and transrectal sonography (TRS), Bockisch A; Jäger N; Biernack H-J; et al, *Eur J Radiol* 1988; 8: 54
- needle aspiration and core biopsy of prostate cancer: comparative evaluation with biplanar transrectal US guidance, Lee F; Littrup PJ; McLeary RD; Kumasaka GH; Borlaza GS; McHugh TA; Solderer MH; Roi LD, *Radiology* 1987; 163: 515
- normal US anatomy of the prostate, Fornage BD, *Ultrasound Med Biol* 1986; 12: 1011
- prostate cancer: comparison of transrectal US and digital rectal examination for screening, Lee F; Littrup PJ; Torp-Pedersen ST; Mettlin C; McHugh TA; Gray JM; Kumasaka GH; McLeary RD, *Radiology* 1988; 168: 389
- prostatic abscess: CT and sonographic findings, Thornhill BA; Morehouse HT; Coleman P; et al, *AJR* 1987; 148: 899
- prostatic abscess: imaging with transrectal sonography and MR, Papanicolaou N; Pfister RC; Stafford SA; et al, *AJR* 1987; 149: 981
- prostatic evaluation by transrectal sonography: criteria for diagnosis of early carcinoma, Lee F; Gray JM; McLeary RD; Lee F Jr; McHugh TA; Solomon MH; Kumasaka GH; Straub WH; Borlaza GS; Murphy GP, *Radiology* 1986; 158: 91
- prostatic evaluation by transrectal sonography with histopathologic correlation: echogenic appearance of early carcinoma, Dahner WF; Hamper UM; Eggleston JC; Walsh PC; Sanders RC, *Radiology* 1986; 158: 97
- prostatic evaluation of transrectal endosonography: detection of carcinoma, Rifkin MD; Friedland GW; Shortliffe L, *Radiology* 1986; 158: 85
- quantitative analysis of ultrasonogram of the prostate, Kimura A; Nakamura S; Niizuma M; et al, *JCU* 1986; 14: 501
- sonographic demonstration of prostatic abscess, Lee F Jr; Lee F; Solomon MH; et al, *J Ultrasound Med* 1986; 5: 101
- standardized endosonographic evaluation of prostate cancer: receiver-operator-characteristic analysis, Baran CW; Golin A; Bergsma C; et al, *AJR* 1987; 149: 975
- suprapubic sonographic detection of prostate carcinoma, (ab), Hennig RC; Wilson SR, *Radiology* 1986; 158: 287
- transrectal sonography of benign and malignant prostatic lesions, Burks DD; Drolshagen LF; Fleischer AC; et al, *AJR* 1986; 146: 1187
- transrectal ultrasonography as a follow-up method in prostatic carcinoma after external beam and interstitial radiotherapy, Egger G; Pirker E; Rapf C; et al, *Eur J Radiol* 1988; 8: 37
- transrectal US of the prostate: is the technology leading the science?, McClennan BL, *Radiology* 1988; 168: 571
- transrectal US of the seminal vesicles and ejaculatory ducts: clinical correlation, Littrup PJ; Lee F; McLeary RD; Wu D; Lee A; Kumasaka GH, *Radiology* 1988; 168: 625
- ultrasonography: RSNA '87 meeting notes, Merritt CRB; Filly RA; Lawson TL, *Radiology* 1988; 166: 924
- ultrasonography of prostatic carcinoma employing amplitude-enveloped (AM) and frequency-demodulated (FM) imaging: in vivo, in vitro, and pathologic correlation, Hamper UM; Dahner WF; Eggleston JC; et al, *J Ultrasound Med* 1986; 5: 557
- ultrasound appearances of prostatic cancer with histological correlation, Griffiths GJ; Clements R; Jones DR; et al, *Clin Radiol* 1987; 38: 219
- ultrasound as an alternative to intravenous urography in prostatism, Fidas A; Mackinlay JY; Wild SR; et al, *Clin Radiol* 1987; 38: 479
- update on prostatic ultrasound, Sanders RC; Hamper UM; Dahner WF, *Urol Radiol* 1987; 9: 110
- US characteristics of frozen prostate, Onik G; Cobb C; Cohen J; Zabbar J; Porterfield B, *Radiology* 1988; 168: 629
- use of transrectal ultrasound in the diagnosis, guided biopsy, staging and screening of prostate cancer, Lee F; Littrup PJ; Kumasaka GH; Borlaza GS; McLeary RD, *Radiographics* 1987; 7: 627
- Prostatitis**
- eosinophilic prostatitis simulating invasive prostatic carcinoma: CT appearance, Gibney RG; Hicken P; Nichols DM, *J Canad Assoc Radiol* 1988; 39: 48
- seminal vesiculography in chronic bacterial prostatitis, (ab), Baert L; Leonard A; D'Hoedt M; et al, *Radiology* 1987; 163: 290
- treatment of chronic prostatitis: intraprostatic antibiotic injections under echography control, (ab), Jiménez-Cruz JF; Tormo FB; Gómez JC, *Radiology* 1988; 169: 882
- Prostheses**
- Angelchik antireflux device: computed tomography appearance, Sussman SK; Illescas FF; Woodruff WW III; et al, *CT* 1987; 11: 212
- artificial urinary sphincters: plain radiography of malfunction and complications, Rose SC; Hansen ME; Webster GD; Zakrzewski C; Cohan RH; Dunnick NR, *Radiology* 1988; 168: 403
- detection of occult infection following total joint arthroplasty using sequential technetium-99m HDP bone scintigraphy and indium-111 WBC imaging, Johnson JA; Christie MJ; Sandler MP; et al, *J Nucl Med* 1988; 29: 1347
- high-field-strength MR imaging and metallic biomedical implants: an ex vivo evaluation of deflection forces, Shellock FG; Cruess JV, *AJR* 1988; 151: 389
- sequential technetium-99m HMDF-gallium-67 citrate imaging for the evaluation of infection in the painful prosthesis, Merkel KD; Brown ML; Fitzgerald RH Jr, *J Nucl Med* 1986; 27: 1413
- unilateral hypertrophic osteoarthropathy in a patient with an infected axillary-axillary bypass graft, Ho A; Williams DM; Zelenock GB; Braunstein EM, *Radiology* 1987; 162: 573
- Proteinosis**
- abnormal gallium scintigraphy in pulmonary alveolar proteinosis (PAP), Yeh SDJ; White DA; Stover-Pepe DE; et al, *Clin Nucl Med* 1987; 12: 294
- bronchopulmonary lavage in pulmonary alveolar proteinosis: chest radiograph observations, Gale ME; Karlinsky JB; Robins AG, *AJR* 1986; 146: 981
- secondary pulmonary alveolar proteinosis occurring in two patients with acquired immune deficiency syndrome, (ab), Ruben FL; Talamo TS, *Radiology* 1987; 162: 587
- Proteins**
- low sensitivity of clinical MR imaging to small changes in the concentration of nonparamagnetic protein, Hackney DB; Grossman RJ; Zimmerman RA; et al, *AJNR* 1987; 8: 1003
- technetium-99m albumin scintigraphy in the diagnosis of protein-losing enteropathy, Divgi CR; Lisann NM; Yeh SDJ; et al, *J Nucl Med* 1986; 27: 1710
- technetium-99m serum albumin measurement of gastrointestinal protein loss in a subtotal gastrectomy patient with giant hypertrophic gastritis, Yoshida T; Li T; Sakamoto H; et al, *Clin Nucl Med* 1987; 12: 773
- Prune belly syndrome**
- See Abdomen, abnormalities
- Pseudoarthrosis**
- painful pseudoarthrosis following lumbar spinal fusion: detection by combined SPECT and planar bone scintigraphy, Slizofski WJ; Collier BD; Flaitley TJ; et al, *Skeletal Radiol* 1987; 16: 136
- pseudoarthrosis following proximal humeral fractures: possible mechanism, Rooney PJ; Cockshott WP, *Skeletal Radiol* 1986; 15: 21
- spinal pseudoarthrosis complicating ankylosing spondylitis: comparison of CT and conventional tomography, Chan F-L; Ho EKW; Chau EMT, *AJR* 1988; 150: 611
- spinal pseudoarthrosis in ankylosing spondylitis, Chan FL; Ho EKW; Fang D; et al, *Acta Radiol* 1987; 28: 383
- Pseudomyxoma peritonei**
- flank mass and pain in a 72-year-old man, Brady MB; Ewing RH; Robinson AE; et al, *Invest Radiol* 1986; 21: 419
- sonography of pseudomyxoma peritonei, Hayashi N; Tamaki N; Yamamoto K; et al, *J Ultrasound Med* 1986; 5: 401
- Pseudotumor cerebri**
- evidence on computed tomography of pseudotumor cerebri in hypoparathyroidism, Mor F; Wysebeek AJ, *Br J Radiol* 1988; 61: 158
- MR imaging of pseudotumor cerebri, Moser FC; Hilal SK; Abrams G; et al, *AJNR* 1988; 9: 39
- Public bones**
- case report 490, Buckwalter JA; Bonfiglio MM; El-Khoury G; et al, *Skeletal Radiol* 1988; 17: 361
- Pulmonary angiography**
- acute pulmonary embolism: diagnostic value of digital subtraction angiography, Musset D; Rosso J; Petitpretz P; Girard P; Hauy MP; Simonneau G; Labrune M; Duroux P, *Radiology* 1988; 166: 455
- angiographic evaluation of patients with unilateral massive perfusion defects in the lung scan, Cho S-R; Tisnado J; Cockrell CH; Beachley MC; Frattini MJ; Henry DA, *Radiographics* 1987; 7: 729
- automated morphologic evaluation of pulmonary arteries in primary pulmonary hypertension, Box LM; Rich S; Fried R; et al, *Invest Radiol* 1986; 21: 906
- inadvertent ligation of the left pulmonary artery, Jaffé RB; Ormond GS; Veasy LG, *Radiology* 1986; 161: 355
- panvenography and pulmonary angiography in the diagnosis of deep venous thrombosis and pulmonary thromboembolism, Kramer FL; Teitelbaum G; Merli GJ, *Radiol Clin North Am* 1986; 24: 397
- pulmonary angiography with iopamidol: patient comfort, image quality, and hemodynamics, Saeed M; Braun SD; Cohan RH; Sussman SK; Illescas FF; Perlmutt LM; Newman GE; Dunnick NR, *Radiology* 1987; 165: 345
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate, Smith DC; Lois JF; Gomes AS; Maloney MD; Yahiku PY, *Radiology* 1987; 162: 617
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate, Seyferth W; Zeitler E, *Radiology* 1987; 164: 875
- pulmonary arteriography: comparison of cough stimulation effects of diatrizoate and ioxaglate: reply, Smith DC; Maloney MD, *Radiology* 1987; 164: 875
- pulmonary embolism: diagnosis with multiple imaging modalities, Alderson PO; Martin EC, *Radiology* 1987; 164: 297
- reliability of selective pulmonary arteriography in the diagnosis of pulmonary embolism, Quinn MF; Lundell CJ; Klotz TA; et al, *AJNR* 1987; 149: 469
- Pulmonary angiography, complications**
- pulmonary arteriography in the high-risk patient, Perlmutt LM; Braun SD; Newman GE; Oke EJ; Dunnick NR, *Radiology* 1987; 162: 187
- Pulmonary angiography, technology**
- curved guide wire for percutaneous pulmonary angiography, Kozak BE; Rösch J, *Radiology* 1988; 167: 864

- lower-lobe-seeking pulmonary artery catheter, Ledor K; Ben-Avi HA; Ben-Avi DD; Abramowitz JG, *Radiology* 1987; 165: 286
- new catheter design and placement technique for pulmonary arteriography, Tempkin DL; Ladika JE, *Radiology* 1987; 163: 275
- pulmonary artery catheterization: a modified technique, McLellan GL; Scalapino MC, *Radiology* 1988; 169: 264
- Pulmonary arteries**
- automated morphologic evaluation of pulmonary arteries in primary pulmonary hypertension, Bost LM; Rich S; Fried R; et al, *Invest Radiol* 1986; 21: 906
- control of hemoptysis: systemic angiography and anastomosis of the internal mammary artery, Jardin M; Remy J, *Radiology* 1988; 168: 377
- false pulmonary artery aneurysm induced by Swan-Ganz catheter: diagnosis and embolotherapy, Davis SD; Neithamer CD; Schreiber TS; Sos TA, *Radiology* 1987; 164: 741
- pulmonary artery false aneurysms secondary to Swan-Ganz pulmonary artery catheters, Dieden JD; Friloux LA III; Renner JW, *AJR* 1987; 149: 901
- pulmonary vascularity: radiographic considerations, Ravin CE, *J Thorac Imag* 1988; 3-1: 1
- transcatheter embolization in the management of pulmonary hemorrhage, Rabkin JG; Astafiev VI; Gothman LN; Grigorjev YG, *Radiology* 1987; 163: 361
- transcatheter embolization in the management of pulmonary hemorrhage, Vujic I, *Radiology* 1987; 164: 879
- traumatic pulmonary artery pseudoaneurysm, Gavant ML; Winer-Muram HT, *J Canad Assoc Radiol* 1986; 37: 108
- vasculitis in the lung, Feigin DS, *J Thorac Imag* 1988; 3-1: 33
- Pulmonary arteries, abnormalities**
- asymptomatic form of left pulmonary artery sling, (ab), Dupuis C; Vaksman G; Pernot C; et al, *Radiology* 1988; 168: 887
- bronchial compression by dilated pulmonary artery: surgical treatment, (ab), Corno A; Picardo S; Ballerini L; et al, *Radiology* 1986; 160: 283
- cine CT diagnosis of pulmonary artery sling, McCray P; Grandgeorge S; Smith W; et al, *Pediatr Radiol* 1986; 16: 508
- congenital heart disease: gated MR imaging in 72 patients, Julsrud PR, *Radiology* 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D, *Radiology* 1986; 161: 278
- CT findings in hemitruncus, Rosa U; Wade KC, *JCAT* 1987; 11: 698
- definitive operation for pulmonary atresia with intact ventricular septum: results in twenty patients, (ab), Alboliras ET; Julsrud PR; Danielson GK; et al, *Radiology* 1987; 165: 885
- inadvertent ligation of the left pulmonary artery, Jaffe RB; Ormsmond GS; Veasy LG, *Radiology* 1986; 161: 355
- inapparent pulmonary vascular disease in an ex-heroin user, Incalzi RA; Maini CL; Bonetti MG; et al, *Clin Nucl Med* 1986; 11: 266
- isolated unilateral absence of left pulmonary artery with peribronchial arteriovenous malformation showing recurrent hemoptysis, Taguchi T; Ikeda K; Kume K; et al, *Pediatr Radiol* 1987; 17: 316
- MR imaging of the central pulmonary arterial tree in conotruncal malformation, Formanek AG; Witkowski RL; D'Souza VJ; et al, *AJR* 1986; 147: 1127
- MRI of congenital abnormalities of the great arteries, Fletcher BD; Jacobstein MD, *AJR* 1986; 146: 941
- postoperative evaluation of complex congenital heart disease by magnetic resonance imaging, Soulen RL; Donner RM; Capitanio M, *Radiographics* 1987; 7: 975
- pulmonary pseudofibrosis and pseudomass lesions, Oh KS; Newman B; Bender TM; et al, *Radiol Clin North Am* 1988; 26: 365
- systemic-to-pulmonary collateral vessels and shunts: treatment with embolization, Lois JF; Gomes AS; Smith DC; Laks H, *Radiology* 1988; 169: 671
- Pulmonary arteries, anatomy**
- measurement of three-dimensional anatomy and function of pulmonary arteries with high-speed x-ray computed tomography, Liu Y-H; Hoffman EA; Ritman EL, *Invest Radiol* 1987; 22: 28
- Pulmonary arteries, CT**
- cine CT diagnosis of pulmonary artery sling, McCray P; Grandgeorge S; Smith W; et al, *Pediatr Radiol* 1986; 16: 508
- comparative evaluation of the pulmonary arteries in patients with right ventricular outflow tract obstructive lesions, Hernandez RJ; Bank ER; Shaffer EM; et al, *AJR* 1987; 148: 1189
- computed tomography of the aortopulmonary window: normal anatomy and pathology, Shin MS; Jolles PR, *CT* 1987; 11: 111
- CT demonstration of a traumatic aneurysm of the pulmonary artery, Daykin EL; Irwin GAL; Harrison DA, *JCAT* 1986; 10: 323
- CT demonstration of central pulmonary venous and arterial occlusive diseases, Matsumoto AH; Parker LA; Delany DJ, *JCAT* 1987; 11: 640
- CT findings in hemitruncus, Rosa U; Wade KC, *JCAT* 1987; 11: 698
- measurement of three-dimensional anatomy and function of pulmonary arteries with high-speed x-ray computed tomography, Liu Y-H; Hoffman EA; Ritman EL, *Invest Radiol* 1987; 22: 28
- segmental bronchovascular anatomy of the lower lobes: CT analysis, Jardin M; Remy J, *AJR* 1986; 147: 457
- traumatic pulmonary artery aneurysm: CT evaluation, Crivello MS; Hayes C; Thurer RL; et al, *JCAT* 1986; 10: 503
- Pulmonary arteries, flow dynamics**
- characteristics of blood flow velocity in the hypertensive canine pulmonary artery, Frantz EG; Henry GW; Lucas CL; et al, *Ultrasound Med Biol* 1986; 12: 379
- continuous measurement of pulmonary blood flow using a retractable pulsed Doppler probe, Lucas CL; Henry GW; Keagy BA; et al, *J Ultrasound Med* 1987; 6: 181
- current concepts in the management of neonatal ICU patients with pulmonary hypertension and localized barotrauma, Berdon WE, *Radiology* 1986; 158: 493
- digital cine angiographic evaluation of pulmonary blood flow velocity in ventricular septal defect, Riediger G; Gravinghoff LM; Höhne KH; et al, *Cardiovasc Intervent Radiol* 1988; 11: 1
- estimation of pulmonary vascular resistance by MRI in patients with congenital cardiovascular shunt lesions, Didier D; Higgins CB, *AJR* 1986; 146: 919
- factors affecting regional pulmonary blood flow in chronic ischemic heart disease, Pistolesi M; Miniati M; Bonsignore M; et al, *J Thorac Imag* 1988; 3-3: 65
- invasive hemodynamic monitoring: radiologist's perspective, Henry DA; LeBolt S, *Radiographics* 1986; 6: 535
- observations with SPECT on the normal regional distribution of pulmonary blood flow in gravity independent planes, Lisbona R; Dean GW; Hakim TS, *J Nucl Med* 1987; 28: 1758
- regional pulmonary distribution of iodine-125-labeled oleic acid: its relationship to the pattern of oleic acid edema and pulmonary blood flow, Tarver RD; Tsai J; Hedlund LW; et al, *Invest Radiol* 1986; 21: 102
- Pulmonary arteries, MR studies**
- cardiosynchronous MRI intensity changes of the great vessels and pulmonary circulation. preliminary report, (ab), Lallemand D; Wesbey GE; Gooding CA; et al, *Radiology* 1986; 158: 286
- diagnosis of peripheral pulmonary emboli by MR imaging: an experimental study in dogs, Ovenfors CO; Batra P, *Magn Res Imag* 1988; 6: 487
- estimation of pulmonary vascular resistance by MRI in patients with congenital cardiovascular shunt lesions, Didier D; Higgins CB, *AJR* 1986; 146: 919
- magnetic resonance imaging of aorta and pulmonary circulation: initial experience with ECG-gating, (ab), Lallemand D; Gooding CA; Wesbey GE; et al, *Radiology* 1986; 158: 286
- MR imaging of pulmonary arterial hypertension and pulmonary emboli, White RD; Winkler ML; Higgins CB, *AJR* 1987; 149: 15
- MR imaging of the central pulmonary arterial tree in conotruncal malformation, Formanek AG; Witkowski RL; D'Souza VJ; et al, *AJR* 1986; 147: 1127
- MRI of congenital abnormalities of the great arteries, Fletcher BD; Jacobstein MD, *AJR* 1986; 146: 941
- practical aspects of gated magnetic resonance imaging of the pulmonary artery, Mazer MJ; Carroll FE; Falke THM, *J Thorac Imag* 1988; 3-3: 73
- pulmonary artery sling: diagnosis by magnetic resonance imaging, Malmgren N; Laurin S; Lundström N-R, *Acta Radiol* 1988; 29: 7
- Pulmonary arteries, obstruction**
- See Pulmonary arteries, stenosis or obstruction
- Pulmonary arteries, radionuclide studies**
- inadvertent ligation of the left pulmonary artery instead of patent ductus arteriosus: noninvasive diagnosis by pulmonary perfusion imaging, Orzel JA; Monaco MP, *Clin Nucl Med* 1986; 11: 629
- new imaging approach to quantitative evaluation of pulmonary vascular endothelial metabolism, Slosman DO; Morel DR; Alderson PO, *J Thorac Imag* 1988; 3-1: 49
- observations with SPECT on the normal regional distribution of pulmonary blood flow in gravity independent planes, Lisbona R; Dean GW; Hakim TS, *J Nucl Med* 1987; 28: 1758
- studying the pulmonary circulation with positron emission tomography, Schuster DP; Minton MA, *J Thorac Imag* 1988; 3-1: 15
- Pulmonary arteries, stenosis or obstruction**
- arteriohepatic dysplasia, Singharoen T; Partridge J; Jeans WD; et al, *Br J Radiol* 1986; 59: 509
- catheter induced pseudostenosis of the right pulmonary artery: a technical note, Stoll JF; Fellows KE, *Cardiovasc Intervent Radiol* 1987; 10: 237
- CT demonstration of central pulmonary venous and arterial occlusive diseases, Matsumoto AH; Parker LA; Delany DJ, *JCAT* 1987; 11: 640
- initial pulmonary artery involvement in Takayasu arteritis, Hayashi K; Nagasaki M; Matsunaga N; Hombi Z-I; Imamura T, *Radiology* 1986; 159: 401
- intraluminal mass of the left pulmonary artery, Cossi AF; Sykes MW; Shahian DM; et al, *Comput Radiol* 1986; 10: 111
- percutaneous balloon dilation angioplasty of pulmonary artery branch stenosis, Bass JL, *Cardiovasc Intervent Radiol* 1986; 9: 299
- pulmonary arterial hypertension: value of perfusion scintigraphy, Powe JE; Palevsky HI; McCarthy KE; Alavi A, *Radiology* 1987; 164: 727
- systemic-to-pulmonary collateral vessels and shunts: treatment with embolization, Lois JF; Gomes AS; Smith DC; Laks H, *Radiology* 1988; 169: 671
- Pulmonary arteries, surgery**
- inadvertent ligation of the left pulmonary artery, Jaffe RB; Ormsmond GS; Veasy LG, *Radiology* 1986; 161: 355
- Pulmonary arteries, thrombosis**
- pulmonary arterial thrombosis in secundum atrial septal defect, (ab), Schamroth CL; Sareli P; Pocock WA; et al, *Radiology* 1988; 167: 885
- pulmonary vascular obstruction in severe ARDS: angiographic alterations after IV fibrinolytic therapy, Greene R; Lind S; Jantsch H; et al, *AJR* 1987; 148: 501
- Pulmonary arteries, transluminal angioplasty**
- balloon dilation of pulmonary artery banding in dogs: an experimental study, Lindberg H; Smevik B; Björnstad PG; et al, *Cardiovasc Intervent Radiol* 1988; 11: 150
- percutaneous balloon dilation angioplasty of pulmonary artery branch stenosis, Bass JL, *Cardiovasc Intervent Radiol* 1986; 9: 299
- technical note: in vitro balloon dilation of the banded pulmonary artery, Smevik B; Lindberg H; Tjønneland S; et al, *Cardiovasc Intervent Radiol* 1988; 11: 155
- Pulmonary arteries, US studies**
- characteristics of blood flow velocity in the hypertensive canine pulmonary artery, Frantz EG; Henry GW; Lucas CL; et al, *Ultrasound Med Biol* 1986; 12: 379

- comparative evaluation of the pulmonary arteries in patients with right ventricular outflow tract obstructive lesions, Hernandez RJ; Bank ER; Shaffer EM; et al. *AJR* 1987; 148: 1189
- continuous measurement of pulmonary blood flow using a retractable pulsed Doppler probe, Lucas CL; Henry GW; Keagy BA; et al. *J Ultrasound Med* 1987; 6: 181
- inadvertent ligation of the left pulmonary artery, Jaffe RB; Orsmond GS; Veasy LG. *Radiology* 1986; 161: 355
- Pulmonary hypertension**
See Hypertension, pulmonary
- Pulmonary valve, interventional procedure**
angiographic features associated with percutaneous balloon valvotomy for pulmonary valve stenosis, Burrows PE; Benson LN; Smallhorn JS; et al. *Cardiovasc Intervent Radiol* 1988; 11: 111
- percutaneous pulmonary valvuloplasty with a double-balloon technique, Park JH; Yoon YS; Yeon KM; Han MC; Kim C-W; Oh BH; Lee YW. *Radiology* 1987; 164: 715
- Pulmonary veins**
atrial-level shunts: sensitivity and specificity of MR in diagnosis, Diethelm L; Dery R; Lipton MJ; Higgins CB. *Radiology* 1987; 162: 181
- bronchial venous plexus and its communication with pulmonary circulation, Murata K; Itoh H; Todo G; et al. *Invest Radiol* 1986; 21: 24
- pulmonary vascularity: radiographic considerations, Ravin CE. *J Thorac Imag* 1988; 3-1: 1
- vasculitis in the lung, Feigin DS. *J Thorac Imag* 1988; 3-1: 33
- Pulmonary veins, abnormalities**
anomalous intrapulmonary vein drainage and pulmonary vein connection in DSA, Arlart IP; Bargon G; Sigel H. *Eur J Radiol* 1986; 6: 12
- anomalous pulmonary venous drainage of the left upper lobe shown by CT scans, Pennes DR; Ellis JH. *Radiology* 1986; 159: 23
- atrial-level shunts: sensitivity and specificity of MR in diagnosis, Diethelm L; Dery R; Lipton MJ; Higgins CB. *Radiology* 1987; 162: 181
- case report: anomalous systemic venous drainage occurring in association with the hypogenetic lung syndrome, Heron CW; Pozniak AL; Hunter GJS; et al. *Clin Radiol* 1988; 39: 446
- combined contrast echocardiographic and hemodynamic evaluation of atrial septal defect associated with persistent left superior vena cava and partial anomalous pulmonary venous connection, Ferrara N; Zarra AMF; Vigorito C; et al. *JCU* 1987; 15: 64
- congenital heart disease: gated MR imaging in 72 patients, Didier D; Higgins CB; Fisher MR; Osaki L; Silverman NH; Chaitlin MD. *Radiology* 1986; 158: 227
- congenital heart disease: gated MR imaging in 72 patients, Julsrud PR. *Radiology* 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D. *Radiology* 1986; 161: 278
- cross-sectional imaging of silent pulmonary venous anomalies, Greene R; Miller SW. *Radiology* 1986; 159: 279
- inapparent pulmonary vascular disease in an ex-heroin user, Incalzi RA; Maini CL; Bonetti MG; et al. *Clin Nucl Med* 1986; 11: 266
- partial anomalous pulmonary venous drainage of the right lower lobe shown by CT scans, Schatz SL; Ryvicker MJ; Deutsch AM; Cohen HR. *Radiology* 1986; 159: 21
- pulmonary pseudofibrosis and pseudomass lesions, Oh KS; Newman B; Bender TM; et al. *Radiol Clin North Am* 1988; 26: 365
- scimitar syndrome: CT findings in partial anomalous pulmonary venous return, Olson MA; Becker GJ. *Radiology* 1986; 159: 25
- scimitar syndrome: four new cases examined with CT, Godwin JD; Tarver RD. *Radiology* 1986; 159: 15
- scimitar syndrome: four new cases examined with CT, Felson B. *Radiology* 1987; 162: 581
- scimitar syndrome: four new cases examined with CT: reply, Godwin JD; Tarver RD. *Radiology* 1987; 162: 581

- ultrasonic appearance of common pulmonary vein atresia in utero, Samuel N; Sirotta L; Bar-Ziv J; et al. *J Ultrasound Med* 1988; 7: 25
- Pulmonary veins, CT**
anomalous pulmonary venous drainage of the left upper lobe shown by CT scans, Pennes DR; Ellis JH. *Radiology* 1986; 159: 23
- CT demonstration of central pulmonary venous and arterial occlusive diseases, Matsumoto AH; Parker LA; Delany DJ. *JCAT* 1987; 11: 640
- partial anomalous pulmonary venous drainage of the right lower lobe shown by CT scans, Schatz SL; Ryvicker MJ; Deutsch AM; Cohen HR. *Radiology* 1986; 159: 21
- scimitar syndrome: CT findings in partial anomalous pulmonary venous return, Olson MA; Becker GJ. *Radiology* 1986; 159: 25
- segmental bronchovascular anatomy of the lower lobes: CT analysis, Jardin M; Remy J. *AJR* 1986; 147: 457
- Pulmonary veins, MR studies**
cardiosynchronous MRI intensity changes of the great vessels and pulmonary circulation. preliminary report, (ab), Lallemand D; Wesbey GE; Gooding CA; et al. *Radiology* 1986; 158: 286
- Pulmonary veins, obstruction**
See Pulmonary veins, stenosis or obstruction
- Pulmonary veins, stenosis or obstruction**
congenital pulmonary vein stenosis: radiographic study, Adey CK; Soto B; Shin MS. *Radiology* 1986; 161: 113
- CT demonstration of central pulmonary venous and arterial occlusive diseases, Matsumoto AH; Parker LA; Delany DJ. *JCAT* 1987; 11: 640
- stenosis of individual pulmonary veins: radiologic findings, Belcourt CL; Roy DL; Nanton MA; Finley JP; Gillis DA; Krause VW; Aterman K. *Radiology* 1986; 161: 109
- Pulmonary veins, thrombosis**
unilateral pulmonary edema due to postlobectomy pulmonary vein thrombosis, Gyves-Ray KM; Spizarny DL; Gross BH. *AJR* 1987; 148: 1079
- Purpura**
ultrasound diagnosis of acute scrotal hemorrhage in Henoch-Schönlein purpura, Cooper SG; Sherman SB; Gross RI; et al. *JCU* 1988; 16: 353
- Pyelography**
See Urography
- Pyelonephritis**
See Nephritis
- Pylorus**
case report: radiographic and ultrasound appearances of an intra-mural haematoma of the pylorus, Bissett RAL; Gupta SC; Zammitt-Maempel I. *Clin Radiol* 1988; 39: 316
- pyloric atresia associated with epidermolysis bullosa, Orense M; Hernandez JBG; Celorio C; et al. *Pediatr Radiol* 1987; 17: 435
- Pylorus, stenosis**
esophageal atresia and hypertrophic pyloric stenosis: sequential coexistence of disease (case report), Magilner AD. *AJR* 1986; 147: 329
- hypertrophic pyloric stenosis: determination of muscle dimensions by ultrasound, Kofod P-EL; Høst A; Elle B; et al. *Br J Radiol* 1988; 61: 19
- hypertrophic pyloric stenosis: diagnosis using US, Haller JO; Cohen HL. *Radiology* 1986; 161: 335
- hypertrophic pyloric stenosis, ultrasonic appearances in a small baby, Bissett RAL; Gupta SC. *Pediatr Radiol* 1988; 18: 405
- improved ultrasound diagnosis of hypertrophic pyloric stenosis, Stundén RJ; LeQuesne GW; Little KET. *Pediatr Radiol* 1986; 16: 200
- infantile hypertrophic pyloric stenosis—diagnosis from the pyloric muscle index, Carver RA; Okorie M; Steiner GM; et al. *Clin Radiol* 1987; 38: 625
- radiographic findings after incomplete pyloromyotomy, Jamroz GA; Blocker SH; McAlister WH. *Gastrointest Radiol* 1986; 11: 139
- sonographic diagnosis of hypertrophic pyloric stenosis, Blumhagen JD; MacLain L; Krauter D; et al. *AJR* 1988; 150: 1367

- sonographic diagnosis of infantile hypertrophic pyloric stenosis: critical appraisal of reliability and diagnostic criteria, (ab), Yip WCL; Tay JSH; Wong HB. *Radiology* 1986; 159: 570
- ultrasonic "double track" sign in hypertrophic pyloric stenosis, Cohen HL; Schechter S; Mestel AL; et al. *J Ultrasound Med* 1987; 6: 139
- Pylorus, US studies**
hypertrophic pyloric stenosis: determination of muscle dimensions by ultrasound, Kofod P-EL; Høst A; Elle B; et al. *Br J Radiol* 1988; 61: 19
- hypertrophic pyloric stenosis: diagnosis using US, Haller JO; Cohen HL. *Radiology* 1986; 161: 335
- improved ultrasound diagnosis of hypertrophic pyloric stenosis, Stundén RJ; LeQuesne GW; Little KET. *Pediatr Radiol* 1986; 16: 200
- sonographic diagnosis of hypertrophic pyloric stenosis, Blumhagen JD; MacLain L; Krauter D; et al. *AJR* 1988; 150: 1367
- ultrasound examination of the normal pyloric sphincter in neonates, Langlois SLP; Lipert K; Hayter W. *Australas Radiol* 1987; 31: 53
- Pyonephrosis**
See Kidney, abscess

Q

Quality assurance

- acceptance testing and quality control of gamma cameras, including SPECT, Murphy PH. *J Nucl Med* 1987; 28: 1221
- anthropomorphic radiologic phantoms, Yaffe MJ; Johns PC; Nishikawa RM; Mawdsley GE; Caldwell CB. *Radiology* 1986; 158: 550
- clinically acceptable tolerance of roentgen generator exposure parameters, Forsberg H. *Acta Radiol* 1987; 28: 121
- CT quality control, Huda W. *J Canad Assoc Radiol* 1987; 38: 122
- development and implementation of a quality assurance program for mammography, de Paredes ES; Frazier AB; Hartwell GD; Strash AM; Scheer C; Smith DC; Barnette PA; Noel W; Kenneweg D. *Radiology* 1987; 163: 83
- equipment choices for mammography, Wolfe JN. *Radiology* 1988; 166: 903
- equipment choices for mammography: reply, de Paredes ES; Hartwell GD; Frazier AB; Scheer C. *Radiology* 1988; 166: 904
- feeding tubes that pierce the lung: a case study in risk prevention and quality assurance, Wheeler PS. *Radiology* 1987; 165: 861
- focal-spot measurement: comparison of slit, pinhole, and star resolution pattern techniques, Everson JD; Gray JE. *Radiology* 1987; 165: 261
- inadvertent tracheobronchial placement of feeding tubes, Zeiss J; Woldenberg LS. *Radiology* 1988; 169: 874
- practical and technical considerations in establishing an intraoperative radiation therapy program in the community practice, Wolkov HB; Chenery SG; Asche DR; McPeck EC; Hanks GE; Holmes TW. *Radiology* 1988; 168: 255
- quantitative CT applications: comparison of current scanners, Cann CE. *Radiology* 1987; 162: 257
- section thickness and contiguity phantom for MR imaging, Gray JE; Feinlee JP. *Radiology* 1987; 164: 193
- sensitometric control of roentgen film processors, Forsberg H. *Acta Radiol* 1987; 28: 339
- set of x-ray test objects for image quality control in digital subtraction fluorography. I: design considerations, Cowen AR; Haywood JM; Workman A; et al. *Br J Radiol* 1987; 60: 1001
- set of x-ray test objects for image quality control in digital subtraction fluorography. II: application and interpretation of results, Cowen AR; Workman A; Haywood JM; et al. *Br J Radiol* 1987; 60: 1011

Radiations

See also Dosimetry; Neutrons; Radiobiology; Radiography; Radionuclide imaging; Radionuclides; Therapeutic radiology
preservation of food products by irradiation, McGivney WT, *Semin Nucl Med* 1988; 18: 36

Radiations, effects

See Radiations, injurious effects

Radiations, exposure to patients and personnel

10-day recommendation, Pochin EE, *Clin Radiol* 1986; 37: 105

ALARA and an integrated approach to radiation protection, Hendee WR; Edwards FM, *Semin Nucl Med* 1986; 16: 142

application of cost-benefit analysis when considering action to reduce environmental dose rates in hospitals, Wilkinson JM, *Br J Radiol* 1987; 60: 919

assessment of priorities when introducing some radiation protection methods in radiodiagnosis, Russell JGB, *Br J Radiol* 1986; 59: 153

comparison of diagnostic radiology practice and patient exposure in Britain, France and Italy, Contento G; Malisan MR; Padovani R; et al, *Br J Radiol* 1988; 61: 143

doses to patients from routine diagnostic x-ray examinations in England, Shrimpton PC; Wall BF; Jones DG; et al, *Br J Radiol* 1986; 59: 749

erbium filtration for dose reduction in dental radiography, Horner K; Lawinski CP; Smith NJD, *Br J Radiol* 1988; 61: 609

filters for radiation reduction: a comparison, Kohn ML; Gooch AW Jr; Keller WS, *Radiology* 1988; 167: 255

guidelines for radiation protection, Murphy PH, *Semin Nucl Med* 1986; 16: 131

improved method for estimating the entrance exposure in diagnostic radiographic examinations, Zamenhof RG; Shahabi S; Morgan HT, *AJR* 1987; 149: 631

investigation into the levels of radiation exposure in diagnostic examinations involving fluoroscopy, Rowley KA; Hill SJ; Watkins RA; et al, *Br J Radiol* 1987; 60: 167

irradiation of the embryo and fetus, Mole RH, *Br J Radiol* 1987; 60: 17

lead thickness in shielding in the protection of radiodiagnostic staff, Russell JGB; Hufton AP, *Br J Radiol* 1988; 61: 128

limiting overhead views in double-contrast colon examinations does not affect diagnostic accuracy, Feczko PJ; Halpert RD, *Gastrointest Radiol* 1987; 12: 175

low-attenuation materials and rare-earth screens in radiodiagnosis, *Br J Radiol* 1986; 59: 745

management of individuals accidentally exposed to radiation or radioactive materials, Hendee WR, *Semin Nucl Med* 1986; 16: 203

monitoring radiation exposure to medical personnel during percutaneous nephrolithotomy, (ab), Lowe FC; Auster M; Beck TJ; et al, *Radiology* 1987; 163: 295

patient absorbed doses in digital grey-scale fluorography, Cowen AR; Taylor C, *Br J Radiol* 1986; 59: 689

patient doses and risks from diagnostic radiology in North-east Italy, Padovani R; Contento G; Fabretto M; et al, *Br J Radiol* 1987; 60: 155

patient exposure and radiation environment of an extracorporeal shock wave lithotripter system, (ab), Lin P-JP; Hrejsa AF, *Radiology* 1988; 167: 293

perception of radiation hazards, Sorenson JA, *Semin Nucl Med* 1986; 16: 158

potential radiation hazards to personnel during dynamic CT, Kaczmarek RG; Bednarek DR; Wong R; Kaczmarek RV; Rudin S; Alker G, *Radiology* 1986; 161: 853

practical implementation of ICRP recommendations, Beaver PF, *Br J Radiol* 1987; 60: 38

radiation dose reduction in the evaluation of scoliosis: application of digital radiography, Kushner DC; Cleveland RH; Herman TE; Zaleske DJ; Ehrlich MG; Correia JA, *Radiology* 1986; 161: 175

radiation doses and somatic risk to patients during cardiac radiological procedures, Faulkner K; Love HG; Sweeney JK; et al, *Br J Radiol* 1986; 59: 359

radiation dose to patient and personnel during extracorporeal shock wave lithotripsy, (ab), Bush WH; Jones D; Gibbons RP, *Radiology* 1988; 167: 293

radiation exposure from conventional and digital subtraction angiography of cerebral vessels, Plunkett MB; Gray JE; Kispert DB, *AJNR* 1986; 7: 665

radiation exposure of personnel during digital subtraction angiography, Britton CA; Wholey MH, *Cardiovasc Intervent Radiol* 1988; 11: 108

radiation exposure reduction by use of Kevlar cassettes in the neonatal nursery, Herman MW; Mak HK; Lachman RS, *AJR* 1987; 148: 969

radiation exposure: responsibilities of the radiologist, Loken MK, *Invest Radiol* 1988; 23: 317

radiation hazards in a paediatric intensive care unit, Werner A; Isdale JM, *Pediatr Radiol* 1986; 16: 275

radiation risks in perspective, Pochin EE, *Br J Radiol* 1987; 60: 42

radiation safety in the nuclear medicine department: impact of the UK *Ionising Radiations Regulations*, Harding LK, *Br J Radiol* 1987; 60: 915

radioactive patient, St Germain J, *Semin Nucl Med* 1986; 16: 179

radiologist and angiographic procedures: absorbed radiation dose, Tryhus M; Mettler FA Jr; Kelsey C, *Invest Radiol* 1987; 22: 747

recommended position for wearing of personal dosimeters: statement of the British Institute of Radiology, *Br J Radiol* 1988; 61: 349

reduction of radiation exposure during gastrointestinal biopsy procedures in children, Kushner DC; Herman TE; Cleveland RH; et al, *Invest Radiol* 1988; 23: 211

rise and fall of the ten-day rule, Russell JGB, *Br J Radiol* 1986; 59: 3

risk of diagnostic radiation of the newborn, Fletcher EWL; Baum JD; Draper G, *Br J Radiol* 1986; 59: 165

scattered radiation reaching doors and windows of diagnostic x-ray rooms, Law J, *Br J Radiol* 1987; 60: 179

scatter radiation exposure during knee arthrography, Light MC; Molloy SY; Yandow DR; Rinaldo FN, *Radiology* 1987; 164: 867

scoliosis examinations: organ dose and image quality with rare-earth screen-film systems, Fearon T; Vucich J; Butler P; et al, *AJR* 1988; 150: 359

statement from the 1987 Cern meeting of the International Commission on Radiological Protection, International Commission on Radiological Protection, *Radiology* 1988; 167: 263

surface shield: device to reduce personnel radiation exposure, Young AT; Morin RL; Hunter DW; Nelson KL; Cardella JE; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1986; 159: 801

use of a microcomputer for the estimation of x-ray dose received by the fetus, Clarkson DM; Brennen SE, *Br J Radiol* 1987; 60: 1119

use of carbon fibre material in table tops, cassette fronts and grid covers: magnitude of possible dose reduction, Hufton AP; Russell JGB, *Br J Radiol* 1986; 59: 157

valuing the man-sievert in X-ray diagnosis, Russell JGB; Webb GAM, *Br J Radiol* 1987; 60: 681

Radiations, injurious effects

ALARA and an integrated approach to radiation protection, Hendee WR; Edwards FM, *Semin Nucl Med* 1986; 16: 142

changes in T-cell subsets after radiation therapy, Yang S-J; Rafia S; Youssef E; Selim H; Salloum N; Chuang JY, *Radiology* 1988; 168: 537

Chernobyl reactor accident: the impact on the United Kingdom, Fry FA, *Br J Radiol* 1987; 60: 1147

Chernobyl retrospective, Bonte FJ, *Semin Nucl Med* 1988; 18: 16

Chernobyl—the radiological impact on Canada, Huda W; Sourkes AM; Tracy BL, *J Canad Assoc Radiol* 1988; 39: 37

clinical study of the radioprotective effects on Amifostine (YM-08310, WR-2721) on chronic radiation injury, Takahashi I; Nagai T; Miyaishi K; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 935

development of a hospital radiation emergency protocol, Aldrich JE, *J Canad Assoc Radiol* 1988; 39: 137

disposal of low-level radioactive wastes, Hendee WR, *Semin Nucl Med* 1986; 16: 184

dose-response models and methods of risk prediction and causation estimation, Edwards FM, *Semin Nucl Med* 1986; 16: 118

effect of MR imaging on spleen colony formation following gamma irradiation, Montour JL; Fatouros PP; Prasad UR, *Radiology* 1988; 168: 259

effects of nutritional state on the expression of radiation injury in two tumor subpopulations obtained from a heterogeneous human colon carcinoma, Arundel CM; Leith JT, *Int J Radiat Oncol Biol Phys* 1986; 12: 59

emergency planning, Wright JK, *Br J Radiol* 1987; 60: 1177

experience of a specialised centre in the organisation of medical care of persons exposed during a nuclear reactor accident, Nadezhina NM, *Br J Radiol* 1987; 60: 1169

experimental radiation injury: combined MR imaging and spectroscopy, Grossman RI; Hecht-Leavitt CM; Evans SM; Lenkinski RE; Holland GA; Van Winkle TJ; McGrath JT; Curran WJ; Shetty A; Joseph PM, *Radiology* 1988; 169: 305

extending the range of sensitivity for detecting DNA strand breaks, Olive PL; Chan APS; Cu CS; et al, *Br J Radiol* 1988; 61: 69

guidelines for radiation protection, Murphy PH, *Semin Nucl Med* 1986; 16: 131

health effects of low level radiation: carcinogenesis, teratogenesis, and mutagenesis, Kitenour ER, *Semin Nucl Med* 1986; 16: 106

institutional storage and disposal of radioactive materials, St Germain J, *Semin Nucl Med* 1986; 16: 187

iodine-131 thyroid uptake results in travelers returning from Europe after the Chernobyl accident, Castronovo FP Jr, *J Nucl Med* 1987; 28: 535

is the rate of repair of radiation-induced sublethal damage in rat spinal cord dependent on the size of dose per fraction?, Ang KK; Thames HD Jr; van der Kogel AJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 557

licensing criteria for nuclear medicine, Westerman BR, *Semin Nucl Med* 1986; 16: 171

management of individuals accidentally exposed to radiation or radioactive materials, Hendee WR, *Semin Nucl Med* 1986; 16: 203

medical and radiobiological basis of radiation accident management, Lushbaugh CC; Fry SA; Ricks RC, *Br J Radiol* 1987; 60: 1159

medical basis for the establishment of intervention levels, Nénot JC, *Br J Radiol* 1987; 60: 1163

nuclear emergencies: medical preparedness, Cox RAF, *Br J Radiol* 1987; 60: 1180

nuclear medicine and the environment: radiation interactions, Schmelter RF, *Semin Nucl Med* 1986; 16: 87

nuclear power industry in the United States: status and projections, Connolly TJ, *Semin Nucl Med* 1988; 18: 25

origin and health risks of indoor radon, Hendee WR; Doege TC, *Semin Nucl Med* 1988; 18: 3

patient doses and risks from diagnostic radiology in North-east Italy, Padovani R; Contento G; Fabretto M; et al, *Br J Radiol* 1987; 60: 155

perception of radiation hazards, Sorenson JA, *Semin Nucl Med* 1986; 16: 158

probability of causation tables and their possible implications for the practice of diagnostic radiology, Gur D; Wald N, *Radiology* 1986; 158: 853

radiation risks in perspective, Pochin EE, *Br J Radiol* 1987; 60: 42

radioactive artifacts: historical sources of modern radium contamination, Blaufox MD, *Semin Nucl Med* 1988; 18: 46

- radioactive iodine and cesium in travellers to different parts of Europe after the Chernobyl accident, Stenke L; Axelsson B; Ekman M; et al, *Acta Oncol* 1987; 26: 207
- radon in homes: determining risks and preventing exposures, Doege TC; Hendee WR, *Semin Nucl Med* 1988; 18: 10
- RBE for mouse bladders after irradiation with 1 to 8 fractions of d(4) + Be neutrons, Stewart F; Randhawa V; Maughan R, *Br J Radiol* 1986; 59: 61
- reactor accident at Chernobyl: nuclear medicine practitioner's perspective, Kereiakes JG; Saenger EL; Thomas SR, *Semin Nucl Med* 1986; 16: 224
- reactor accidents in perspective, Clarke RH, *Br J Radiol* 1987; 60: 1182
- role of NHS hospitals in the preparedness for nuclear accidents, Bourdillon PJ, *Br J Radiol* 1987; 60: 1171
- statement from the 1987 Como meeting of the International Commission on Radiological Protection, International Commission on Radiological Protection, *Radiology* 1988; 167: 263
- three-phase radionuclide bone scanning in evaluation of local radiation injury: a case report, Mettler FA Jr; Monsein L; Davis M; et al, *Clin Nucl Med* 1987; 12: 805
- transportation issues in nuclear medicine and the release of radioactivity into the environment, Westerman BR, *Semin Nucl Med* 1986; 16: 191
- United Kingdom nuclear reactor design and operation, Edmondson B, *Br J Radiol* 1987; 60: 1174
- Radiations, injurious effects, as a result of nuclear bombing**
- serum TSH, thyroglobulin, and thyroidal disorders in atomic bomb survivors exposed in youth: 30-year follow-up study, Morimoto I; Yoshimoto Y; Sato K; et al, *J Nucl Med* 1987; 28: 1115
- statement from the 1987 Como meeting of the International Commission on Radiological Protection, International Commission on Radiological Protection, *Radiology* 1988; 167: 263
- Radiations, injurious effects, complications of therapeutic radiology**
- absence of bile acid malabsorption as a late effect of pelvic irradiation, Schuster JJ; Stryker JA; Demers LM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1605
- acute radiation effects on cutaneous microvasculature: evaluation with a laser Doppler perfusion monitor, Amols HI; Goffman TE; Komaki R; Cox JD, *Radiology* 1988; 169: 557
- acute radiation-induced pulmonary damage: clinical study on the response to fractionated radiation therapy, Mah K; Van Dyk J; Keane T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 179
- adverse effects of brain irradiation correlated with MR and CT imaging, Constine LS; Konski A; Ekholm S; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 319
- age factor relevant to the development of radiation pneumonitis in radiotherapy of lung cancer, Koga K; Kusumoto S; Watanabe K; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 367
- analysis of the histopathology of radiation myelopathy, Schultheiss TE; Stephens LC; Maor MH, *Int J Radiat Oncol Biol Phys* 1988; 14: 27
- analysis of the radiation related morbidity observed in a randomized trial of neutron therapy for bladder cancer, Duncan W; Williams JR; Kerr GR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2085
- anemia: problem or an opportunity in radiotherapy?, Hirst DG, *Int J Radiat Oncol Biol Phys* 1986; 12: 2009
- assessment of acute radiation-induced pulmonary changes using computed tomography, Mah K; Poon PY; Van Dyk J; et al, *JCAT* 1986; 10: 736
- association of post-radiation thyroid nodular disease with compensated hypothyroidism, Doniach I; Kingston JE; Plowman PN; et al, *Br J Radiol* 1987; 60: 1223
- asymmetrical humeral head activity after therapeutic irradiation, Dey HM; Spencer RP, *Clin Nucl Med* 1988; 13: 681
- axillary-subclavian vein thrombosis following combination chemotherapy and radiation therapy in lymphoma, Schreiber DP; Kapp DS, *Int J Radiat Oncol Biol Phys* 1986; 12: 391
- bladder cancer following low or high dose pelvic irradiation, Quilty PM; Kerr GR, *Clin Radiol* 1987; 38: 583
- bone cell viability after irradiation: an enzyme histochemical study, Jacobsson M; Kålebo P; Tjellström A; et al, *Acta Oncol* 1987; 26: 463
- brain radiation lesions: MR imaging, Doms GC; Hecht S; Brant-Zawadzki M; Berthiaume Y; Norman D; Newton TH, *Radiology* 1986; 158: 149
- calcified ascending aorta after radiation therapy, Coblenz C; Martin L; Tuttle R, *AJR* 1986; 147: 477
- canine cardiomyopathy after whole heart and partial lung irradiation, McChesney SL; Gillette EL; Orton EC, *Int J Radiat Oncol Biol Phys* 1988; 14: 1169
- case report 391, Datz FL; Manaster BJ, *Skeletal Radiol* 1986; 15: 566
- case report: benign thymic cyst following mantle radiotherapy for Hodgkin's disease, Veeze-Kuijpers B; Van Andel JG; Stiegelis WF; et al, *Clin Radiol* 1987; 38: 289
- case report: partial relapse of Bell's palsy following superficial radiotherapy to a basal cell carcinoma in the temple, Brincat S; Mantel BS, *Clin Radiol* 1986; 37: 411
- cerebral necrosis after radiotherapy and/or intraarterial chemotherapy for brain tumors: PET and neuropathologic studies, Di Chiro G; Oldfield E; Wright DC; et al, *AJNR* 1987; 8: 1083
- changes in helper and suppressor T lymphocytes following radiotherapy for breast cancer, Newman GH; Rees CJG; Jones RS; et al, *Clin Radiol* 1987; 38: 191
- changes in lung morphology and cell number in radiation pneumonitis and fibrosis: quantitative ultrastructural study, Vergara JA; Raymond-U; Thet LA, *Int J Radiat Oncol Biol Phys* 1987; 13: 723
- changes of the blood lymphocyte population following ¹³¹I treatment for nodular goiter, Blomgren H; Petrini B; Wasserman J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 209
- circadian phenomena and irradiation: modifications of enzyme activity in the small intestine after sublethal exposure, Becciolini A; Giachè V; Scubla E; et al, *Acta Oncol* 1987; 26: 477
- comparative study of dose distribution of a high-energy electron beam and chromosome aberration frequencies, Matsubara S; Kuwabara Y; Horiuchi J; et al, *Br J Radiol* 1986; 59: 1001
- complications of extended-field therapy for cervical carcinoma without prior surgery, Jolles CJ; Freedman RS; Hamberger AD; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 179
- computed tomography of acute radiation nephritis, Moore L; Curry NS; Jenrette JM III, *Urol Radiol* 1986; 8: 89
- contralateral breast cancer and other second malignancies in patients treated by breast-conserving therapy with radiation, Kurtz JM; Amalric R; Brandone H; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 277
- correlation of radiotherapeutic parameters and treatment related morbidity—analysis of RTCG study 77-06, Pilepich MV; Asbell SO; Krall JM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1007
- CT and MR imaging of radiation hepatitis, Unger EC; Lee JKT; Weyman PJ, *JCAT* 1987; 11: 264
- CT appearance of acute radiation-induced injury in the lung, Ikezoe J; Takashima S; Morimoto S; et al, *AJR* 1988; 150: 765
- decreased bone growth arrest in weanling rats with multiple radiation fractions per day, Eifel PJ, *Int J Radiat Oncol Biol Phys* 1988; 15: 141
- defense mechanisms of normal and tumor cells, Reed DJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1457
- detection of acute radiation damage to the spleen in mice by using fluorine-19 MR imaging, Ratner AV; Muller HH; Bradley Simpson B; et al, *AJR* 1988; 151: 477
- diagnostic imaging of post-irradiation changes in the chest, Bell J; McGivern D; Bullimore J; et al, *Clin Radiol* 1988; 39: 109
- differentiation of cerebral radiation necrosis from tumor recurrence by [¹⁸F]FDG and [¹¹C] positron emission tomography, Doyle WK; Badinger TF; Valk PE; et al, *JCAT* 1987; 11: 563
- differentiation of radiation-induced fibrosis from recurrent pulmonary neoplasm by CT, Bourguoin P; Cousineau G; Lemire P; et al, *J Canad Assoc Radiol* 1987; 38: 23
- DNA damage in clinical radiation therapy studied by micro-electrophoresis in single tumour cells: a preliminary report, Ostling O; Johanson KJ; Blomquist E; et al, *Acta Oncol* 1987; 26: 45
- dose dependence of complication rates in cervix cancer radiotherapy, Orton CG; Wolf-Rosenblum S, *Int J Radiat Oncol Biol Phys* 1986; 12: 37
- dose-dependent and time-dependent changes in the choroid plexus of the irradiated rat brain, Calvo W; Hopewell JW; Reinhold HS; et al, *Br J Radiol* 1987; 60: 1109
- dose distribution of neutron beam and chromosome analysis, Matsubara S; Kuwabara Y; Horiuchi J; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 503
- dose-limiting complications from upper half body irradiation in C3H mice, Down JD; Tarbell NJ; Warhol M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 483
- double-blind randomised cross-over comparison of nabilone and metoclopramide in the control of radiation-induced nausea, Priestman SG; Priestman TJ; Canney PA, *Clin Radiol* 1987; 38: 543
- early radiation swelling remains a problem in the management of paediatric brain tumours, Plowman PN; Fuentes J; Harnett AN, *Br J Radiol* 1987; 60: 931
- edema of the arm as a function of the extent of axillary surgery in patients with stage I-II carcinoma of the breast treated with primary radiotherapy, Larson D; Weinstein M; Goldberg I; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1575
- effect of chlorhexidine and benzydamine mouthwashes on mucositis induced by therapeutic irradiation, Samaranyake LP; Robertson AG; MacFarlane TW; et al, *Clin Radiol* 1988; 39: 291
- effect of latency on calculated complication rates, Schultheiss TE; Thames HD; Peters LJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1861
- effect of low dose-rate and cyclophosphamide on the radiation tolerance of the mouse lung, Lockhart SP; Down JD; Steel GG, *Int J Radiat Oncol Biol Phys* 1986; 12: 1437
- effect of prior transurethral resection of the prostate on post radiation urethral strictures and bladder neck contractures, Seymour CH; El-Mahdi AM; Schellhammer FF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1597
- effects of radiotherapy on the immune system of patients with nasopharyngeal carcinoma, De-en H; Xiang-song L; Jie H; et al, *Br J Radiol* 1988; 61: 305
- elevation of blood levels of zinc protoporphyrin by radiomimetic drugs and friend leukemia virus, Walden TL; Al-Ansari HM; Farkas WR, *Acta Oncol* 1987; 26: 223
- enhanced mucosal reactions in AIDS patients receiving oropharyngeal irradiation, Watkins EB; Findlay P; Gelmann E; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1403
- enhancement of radiation-induced normal tissue damage by a fibrosarcoma, Stone HB; Milas L, *Int J Radiat Oncol Biol Phys* 1987; 13: 1721
- esophageal fistula associated with intracavitary irradiation for esophageal carcinoma, Hishikawa Y; Tanaka S; Miura T, *Radiology* 1986; 159: 549
- esophageal stricture following high-dose-rate intracavitary irradiation for esophageal cancer, Hishikawa Y; Kamikawa N; Tanaka S; Miura T, *Radiology* 1986; 159: 715
- estimated radiation doses to different organs among patients treated for ankylosing spondylitis with a single course of X rays, Lewis CA; Smith PG; Stratton IM; et al, *Br J Radiol* 1988; 61: 212

- estimation of long-term salivary gland damage induced by radiotherapy. Makkonen TA; Nordman E. *Acta Oncol* 1987; 26: 307
- evaluation of domperidone as a modifier of gamma-radiation-induced emesis. Cordts RE; Yochimowitz MG; Hardy KA. *Int J Radiat Oncol Biol Phys* 1987; 13: 1333
- experimental studies on the pathogenesis of the chronic radiation ulcer of the large bowel in rats. Trott K-R; Breiter N; Spiethoff A. *Int J Radiat Oncol Biol Phys* 1986; 12: 1637
- failure of lactose-restricted diets to prevent radiation-induced diarrhea in patients undergoing whole pelvis irradiation. Stryker JA; Bartholomew M. *Int J Radiat Oncol Biol Phys* 1986; 12: 789
- fat necrosis of the breast: unusual complication of lumpectomy and radiotherapy in breast cancer. Rostom AY; El-Sayed ME. *Clin Radiol* 1987; 38: 31
- functional responses of the pulmonary endothelium to thoracic irradiation in rats: differential modification by D-penicillamine. Ward WF; Molteni A; Ts'ao C-H; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1505
- gastro-duodenal morbidity of para-aortic and iliac lymph node irradiation using a single anterior 16 MV X-ray field. Pradhan DG; Brown CH. *Clin Radiol* 1988; 39: 438
- general case of the day: annual meeting, 1986. Farner RM; Rooholamini SA; Franken EA Jr. *Radiographics* 1987; 7: 1018
- Gianturco expandable wire stents in the treatment of superior vena cava syndrome recurring after maximum-tolerance radiation. (ab). Rösch J; Bedell JE; Putnam J; et al. *Radiology* 1988; 167: 589
- hepatic mass: functioning metastatic thymoma 22 years after radiation therapy. Grimmond AP; Spencer RP. *Clin Nucl Med* 1986; 11: 570
- high-dose rate intracavitary therapy for carcinoma of the uterine cervix: I. general figures of survival and complication. Teshima T; Chatani M; Hata K; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1035
- human cancer natural history, radiation induced immunodepression and post-operative radiation therapy. Tubiana M; Arriagada R; Sarrazin D. *Int J Radiat Oncol Biol Phys* 1986; 12: 477
- immediate effect of irradiation on microvasculature. Krishnan L; Krishnan EC; Jewell WR. *Int J Radiat Oncol Biol Phys* 1988; 15: 147
- incidence of infectious symptoms after radiation therapy for breast cancer: long-term effects. Roistein S; Blomgren H; Baral E; et al. *Acta Oncol* 1987; 26: 197
- increased risk of cataract in patients receiving radiotherapy to the eye: a pilot study. Dean G; Alderson M; Maximilien R. *Br J Radiol* 1988; 61: 309
- increased salivary gland density on contrast-enhanced CT after head and neck radiation. Bronstein AD; Nyberg DA; Schwartz AN; et al. *AJR* 1987; 149: 1259
- intracerebral calcification in a child. Christensen R; Pollei SR; Nemcek AA Jr. *Invest Radiol* 1987; 22: 694
- intracranial vascular malformations: imaging of charged-particle radiosurgery. part II. complications. Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR. *Radiology* 1988; 168: 457
- intraoperative irradiation of the canine abdominal aorta and vena cava. Hoopes PJ; Gillette EL; Withrow SJ. *Int J Radiat Oncol Biol Phys* 1987; 13: 715
- irradiation damage to the lung. Fennessy JJ. *J Thorac Imag* 1987; 2: 68
- late effects of fractionated Pi-mesons compared to X rays on mouse lung. van der Kogel AJ; Martin JC; Smith AR; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1175
- late effects of radiation on the blood brain barrier. Remler MP; Marcussen WH; Tiller-Borsich J. *Int J Radiat Oncol Biol Phys* 1986; 12: 1965
- late effects of toxicity scoring. Rubin P; Wasserman TH. *Int J Radiat Oncol Biol Phys* 1988; 14: 529
- late onset of renal dysfunction in survivors of bone marrow transplantation. Tarbell NJ; Guinan EC; Niemeier C; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 99
- late radiation response of the canine trachea with change in dose per fraction. Powers BE; McChesney SL; Gillette EL. *Int J Radiat Oncol Biol Phys* 1987; 13: 1673
- late toxicity of radiotherapy in Hodgkin's disease: the role of fraction size. Cosset JM; Henry-Amar M; Girinski T; et al. *Acta Oncol* 1988; 27: 123
- leg contracture in mice after single and multifractionated ¹³⁷Cs exposure. Masuda K; Hunter N; Stone HB; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1209
- local stem cell depletion model for radiation myelitis. Yares RJ; Kalend A. *Int J Radiat Oncol Biol Phys* 1988; 14: 1247
- lung damage following bone marrow transplantation: II. the contribution of cyclophosphamide. Verekamp AE; de Vries AJ; Zurcher C; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1515
- magnetic resonance imaging in the evaluation of treatment-related central nervous system damage. (ab). Packer RJ; Zimmerman RA; Bilaniuk LT. *Radiology* 1987; 162: 888
- magnetic resonance imaging of radiation injury to the brain. Curnes JT; Laster DW; Ball MR; et al. *AJNR* 1986; 7: 389
- malignant melanoma developing in an irradiation field. Inbar M; Matzkin H; Rozin RR; et al. *Br J Radiol* 1988; 61: 519
- mechanisms of DNA repair and their potential modification for radiotherapy. Ward JF. *Int J Radiat Oncol Biol Phys* 1986; 12: 1027
- medical management of radiation enteritis—algorithmic guide. Zentler-Munro PL; Bessell EM. *Clin Radiol* 1987; 38: 291
- minimal long-term cardiopulmonary dysfunction following treatment for Hodgkin's disease. Watchie J; Coleman CN; Raffin TA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 517
- modification of DNA damage in transcriptionally active vs. bulk chromatin. Chiu S-m; Friedman LR; Xue L-y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1529
- MR of brain radiation injury: experimental studies in cats. Hecht-Leavitt C; Grossman RI; Curran WJ Jr; et al. *AJNR* 1987; 8: 427
- neurologic dysfunction in patients treated for small cell carcinoma of the lung: clinical and radiological study. Chak LY; Zatz LM; Wasserstein P; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 385
- neurotoxicity in long-term survivors of small cell lung cancer. Lee JS; Umsawadi T; Lee Y-Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 313
- non-Hodgkin's lymphoma following radiotherapy for Hodgkin's disease. Karp SJ; Bennett MH. *Clin Radiol* 1986; 37: 479
- non-Hodgkin's lymphoma following successful treatment of Hodgkin's disease. Amin R; Anthony P. *Clin Radiol* 1986; 37: 483
- optimization of radiation therapy. III: method of assessing complication probabilities from dose-volume histograms. Lyman JT; Wolbarst AB. *Int J Radiat Oncol Biol Phys* 1987; 13: 103
- oral side effects of head and neck irradiation: correlation between clinical manifestations and laboratory data. Kuten A; Ben-Aryeh H; Berdicevsky I; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 401
- paraortic lymph node irradiation in cervical carcinoma without prior lymphadenectomy. Crawford JS; Harisiadis L; McGowan L; Rogers CC. *Radiology* 1987; 164: 255
- pathogenesis of the late side-effects of radiotherapy. Michalowski A. *Clin Radiol* 1986; 37: 203
- pathologic response of the pancreas and duodenum to experimental intraoperative irradiation. Ahmadu-Suka F; Gillette EL; Withrow SJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1197
- pions and pig skin: preclinical evaluation of RBE for early and late damage. Douglas BG; Grulke WR; Chaplin DJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 221
- postradiation malignant fibrous histiocytoma of bone: clinicopathologic study of 20 patients. (ab). Huvoas AG; Woodward HQ; Heilweil M. *Radiology* 1986; 161: 284
- postradiation sarcoma of bone in Hodgkin disease. Smith J. *Skeletal Radiol* 1987; 16: 524
- posttreatment ureteral obstruction in invasive carcinoma of uterine cervix. Bahraasa F; Ampil F. *Int J Radiat Oncol Biol Phys* 1987; 13: 23
- predictive biochemical assays for late radiation effects. Rubin P; Finkelstein JN; Siemann DW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 469
- predictive value of skin telangiectasia for late radiation effects in different normal tissues. Turesson I; Nottter G. *Int J Radiat Oncol Biol Phys* 1986; 12: 603
- preleukemia following large dose radioiodide therapy for metastatic thyroid carcinoma. Yousufani Z; Slavin JD Jr; Hellman RM; et al. *J Nucl Med* 1987; 28: 1348
- prospective study of treatment techniques to minimize the volume of pelvic small bowel with reduction of acute and late effects associated with pelvic irradiation. Gallagher MJ; Brereton HD; Rostock RA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1565
- protection of acute and late radiation damage of the gastrointestinal tract by WR-2721. Ito H; Meistrich ML; Barkley HT Jr; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 211
- pulmonary complications of multimodality therapy for esophageal carcinoma. Duprat G Jr; Chalaoui J; Sylvestre J; et al. *J Canad Assoc Radiol* 1987; 38: 27
- quantified approach to the analysis and prevention of urinary complications in radiotherapeutic treatment of cancer of the cervix. Pourquier H; Delard R; Achille E; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1025
- radiation appendicitis: demonstration with graded compression US. Puylaert JBCM; Hoekstra F; de Vries BC; Rutgers PH; Lalissang RI; Ooms ECM. *Radiology* 1987; 164: 342
- radiation dose response of normal brain. Fike JR; Cann CE; Turovski K. *Int J Radiat Oncol Biol Phys* 1988; 14: 63
- radiation effects on cerebral white matter: MR evaluation. Tsuruda JS; Kortman KE; Bradley WG; et al. *AJNR* 1987; 8: 431
- radiation enteritis. (ab). Yeoh EK; Horowitz M. *Radiology* 1988; 167: 586
- radiation-induced chondrocalcinosis of the knee articular cartilage. Collis CH; Dieppe PA; Bullimore JA. *Clin Radiol* 1988; 39: 450
- radiation induced fractures of sacrum: CT diagnosis. Rafii M; Frooznia H; Golimbu C; et al. *JCAT* 1988; 12: 231
- radiation induced heart disease in hypertensive rats. Lauk S; Trott K-R. *Int J Radiat Oncol Biol Phys* 1988; 14: 109
- radiation-induced lung injuries: a survey by computed tomography and pulmonary function tests in 18 cases of Hodgkin's disease. Frija J; Fermé C; Baud L; et al. *Eur J Radiol* 1988; 8: 18
- radiation-induced neoplasms of the brain. (ab). Kumar PP; Good RR; Skultety FM; et al. *Radiology* 1987; 164: 887
- radiation-induced outgrowth inhibition in explant cultures from surgical specimens of five human organs. Mothersill C; Cusack A; Seymour CB. *Br J Radiol* 1988; 61: 226
- radiation-induced pulmonary endothelial dysfunction in rats: modification by an inhibitor of angiotensin converting enzyme. Ward WF; Kim YT; Molteni A; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 135
- radiation-induced thyroid carcinoma: clinical course and results of therapy in 296 patients. (ab). Schneider AB; Recant W; Pinsky SM; et al. *Radiology* 1987; 163: 294
- radiation injury in a patient with unusually high sensitivity to radiation. Matsubara S; Saito F; Suda T; et al. *Acta Oncol* 1988; 27: 67
- radiation myelitis and survival in the radiotherapy of lung cancer. Dische S; Warburton MF; Saunders ML. *Int J Radiat Oncol Biol Phys* 1988; 15: 75

- radiation nephropathy in young and adult rats, Jongejan HTM; van der Kogel AJ; Provoost AP; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 225
- radiation pneumonitis and fibrosis following split-course radiation therapy for lung cancer: a radiologic and physiologic study, Mattson K; Holsti LR; Poppus H; et al. *Acta Oncol* 1987; 26: 193
- radiation reaction enhanced by ifosfamide, Nicoll JJ; Br J Radiol 1986; 59: 1039
- radioprotection against cataract formation by WR-77913 in gamma-irradiated rats, Menard TW; Osgood TB; Clark JL; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1483
- radiotherapy in multiple fractions per day for prostatic carcinoma: late complications, Vanuytsel L; Ang KK; Vandebussche L; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1589
- regional lung function impairment following post-operative radiotherapy for breast cancer using direct or tangential field techniques, Groth S; Zaric A; Sorenson PB; et al. *Br J Radiol* 1986; 59: 445
- renal complications secondary to radiation treatment of upper abdominal malignancies, Willett CG; Tepper JE; Orlow EL; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1601
- renal damage in mice after treatment with cisplatin alone or in combination with x-irradiation, Stewart F; Bohlken S; Begg A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 927
- repair of sublethal radiation injury after multiple small doses in mouse kidney: an estimate of flexure dose, Stewart FA; Oussoren Y; Luts A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 765
- report of late rectosigmoid morbidity in patients with advanced cancer of the cervix, treated by a six week pelvic brick technique, Quilty PM. *Clin Radiol* 1988; 39: 297
- residual radiation damage in murine lung assessed by pneumonitis, Terry NHA; Tucker SL; Travis EL. *Int J Radiat Oncol Biol Phys* 1988; 14: 929
- response of previously irradiated mouse skin to a second course of irradiation: early skin reaction and skin shrinkage, Masuda K; Matsuura K; Withers HR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1645
- role of irradiation in the management of superior vena cava syndrome, Armstrong BA; Perez CA; Simpson JR; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 531
- safety of adjunctive transvaginal beam therapy in the treatment of squamous cell carcinoma of the uterine cervix, Seider MJ; Peters LJ; Wharton JT; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 729
- sarcoma of bone following therapeutic irradiation for breast carcinoma, Doherty MA; Rodger A; Langlands AO. *Int J Radiat Oncol Biol Phys* 1986; 12: 103
- serum tissue polypeptide antigen (TPA): marker of acute injury of salivary glands during radiation therapy, Becciolini A; Tommasi MS; Porciani S; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1339
- skin reaction following aminoglutethimide and radiotherapy, Williams DS; Leslie MD. *Br J Radiol* 1987; 60: 1226
- some methodological problems in estimating radiobiological parameters from clinical data: alpha/beta ratios and electron RBE for cutaneous reactions in patients treated with postmastectomy radiotherapy, Bentzen SM; Christensen JJ; Overgaard J; et al. *Acta Oncol* 1988; 27: 105
- spontaneous radiation-induced rib fractures in breast cancer patients treated with postmastectomy irradiation: a clinical radiobiological analysis of the influence of fraction size and dose-response relationships on late bone damage, Overgaard M. *Acta Oncol* 1988; 27: 117
- subclavian and axillary vein thrombosis following radiotherapy for carcinoma of the breast, Wilson CB; Lambert HE; Scott RD. *Clin Radiol* 1987; 38: 95
- survival in radiation myelopathy, Schultheiss TE; Stephens LC; Peters LJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 1765
- symptomatic hypothalamic-pituitary dysfunction in nasopharyngeal carcinoma patients following radiation therapy: a retrospective study, Lam KSL; Ho JHC; Lee AWM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1343
- technetium-99m MDP imaging of acute radiation-induced inflammation, Ferris JV; Ziesman HA. *Clin Nucl Med* 1988; 13: 430
- treatment of post-radiotherapy telangiectasia by injection sclerotherapy, Gordon AB; Harmer CL; O'Sullivan M. *Clin Radiol* 1987; 38: 25
- treatment volume and tissue tolerance, Withers HR; Taylor JMG; Maciejewski B. *Int J Radiat Oncol Biol Phys* 1988; 14: 751
- tumor bed effect: dependence of tumor take, growth rate, and metastasis on the time interval between irradiation and tumor cell transplantation, Milas L; Hunter N; Peters LJ. *Int J Radiat Oncol Biol Phys* 1987; 13: 379
- unilateral lung hyperlucency after mediastinal irradiation, (ab), Wencel ML; Sitrin RG. *Radiology* 1988; 168: 884
- unusual liver configuration secondary to radiation therapy in childhood, Tobin KD; Rosenbaum RC. *Clin Nucl Med* 1988; 13: 63
- use of steroids to suppress vascular response to radiation, Evans ML; Graham MM; Mahler PA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 563
- vascular injury in the mouse rectum after irradiation and cis-diamminedichloroplatinum (II), Dewitt L; Oussoren Y. *Br J Radiol* 1987; 60: 1037
- vertebral "void" on radiogallium imaging after radiation therapy, Spencer RP; Arnow JR; Kayani N; et al. *Clin Nucl Med* 1988; 13: 303
- vocal quality 10 years after radiotherapy for early glottic cancer, Morgan DAL; Robinson HF; Marsh L; et al. *Clin Radiol* 1988; 39: 295
- vomiting associated with whole body irradiation, Westbrock C; Glaholm J; Barrett A. *Clin Radiol* 1987; 38: 263
- von Willebrand factor levels do not predict or diagnose radiation pneumonitis, Fajardo LF; Donaldson SS; Kelly NL. *Int J Radiat Oncol Biol Phys* 1986; 12: 107
- Radiations, injurious effects, gastrointestinal**
- experimental studies on the pathogenesis of the chronic radiation ulcer of the large bowel in rats, Trott K-R; Breiter N; Spiethoff A. *Int J Radiat Oncol Biol Phys* 1986; 12: 1637
- failure of lactose-restricted diets to prevent radiation-induced diarrhea in patients undergoing whole pelvis irradiation, Stryker JA; Bartholomew M. *Int J Radiat Oncol Biol Phys* 1986; 12: 789
- medical management of radiation enteritis—algorithmic guide, Zentler-Munro PL; Bessell EM. *Clin Radiol* 1987; 38: 291
- protection of acute and late radiation damage of the gastrointestinal tract by WR-2721, Ito H; Meistrich ML; Barkley HT Jr; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 211
- thermal enhancement of radiation damage in previously irradiated mouse intestine, Hume SP; Marigold JCL. *Br J Radiol* 1986; 59: 53
- vomiting associated with whole body irradiation, Westbrock C; Glaholm J; Barrett A. *Clin Radiol* 1987; 38: 263
- Radiations, injurious effects, genetic, gonadal**
- cytogenetic effects of cardioangiography on blood lymphocytes in children and in vitro effects of contrast medium and low dose radiation, Nikula E; Kiviniitty K. *Acta Oncol* 1987; 26: 69
- flow cytometric evaluation of the effects of 2.3 MeV neutrons and 240 kV X rays on mouse spermatogenic S-phase cells using bromodeoxyuridine incorporation, Gasinska A; Wilson GD. *Br J Radiol* 1988; 61: 133
- health effects of low level radiation: carcinogenesis, teratogenesis, and mutagenesis, Ritenour ER. *Semin Nucl Med* 1986; 16: 106
- induction of sister-chromatid exchanges by d(42 MeV)-Be neutrons in unstimulated human-blood lymphocytes, Savage JRC; Holloway M. *Br J Radiol* 1988; 61: 231
- modification of DNA damage in transcriptionally active vs. bulk chromatin, Chiu S-m; Friedman LR; Xue L-y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1529
- survival of murine clonogenic stem spermatogonia following combined radiation and cytotoxic drug treatments, Delic JJ; Steel GG; Bush C. *Int J Radiat Oncol Biol Phys* 1986; 12: 1433
- Radiations, injurious effects, neoplastic**
- cancer induction and non-stochastic effects, Upton AC. *Br J Radiol* 1987; 60: 1
- estimated radiation doses to different organs among patients treated for ankylosing spondylitis with a single course of X rays, Lewis CA; Smith PG; Stratton IM; et al. *Br J Radiol* 1988; 61: 212
- health effects of low level radiation: carcinogenesis, teratogenesis, and mutagenesis, Ritenour ER. *Semin Nucl Med* 1986; 16: 106
- non-Hodgkin's lymphoma following radiotherapy for Hodgkin's disease, Karp SJ; Bennett MH. *Clin Radiol* 1986; 37: 479
- non-Hodgkin's lymphoma following successful treatment of Hodgkin's disease, Amin R; Anthony P. *Clin Radiol* 1986; 37: 483
- radiation-induced sarcomas of the chest wall, (ab), Souba WW; McKenna RJ Jr; Meis J; et al. *Radiology* 1986; 160: 857
- Radiations, injurious effects, pleuropulmonary**
- computed tomographic assessment of radiation induced damage in the lung of normal and WR 2721 protected LaF₁ mice, Miller GG; Dawson DT; Battista JJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 1971
- effect of low dose-rate and cyclophosphamide on the radiation tolerance of the mouse lung, Lockhart SP; Down JD; Steel GG. *Int J Radiat Oncol Biol Phys* 1986; 12: 1437
- Radiations, measurement**
- average fetal depth in utero: data for estimation of fetal absorbed radiation dose, Ragazzino MW; Breckle R; Hill LM; Gray JE. *Radiology* 1986; 158: 513
- dose-response models and methods of risk prediction and causation estimation, Edwards FM. *Semin Nucl Med* 1986; 16: 118
- half-value-layer increase owing to tungsten buildup in the x-ray tube: fact or fiction, Stears JG; Felmlee JP; Gray JE. *Radiology* 1986; 160: 837
- Radiations, protective and therapeutic agents and devices**
- ALARA and an integrated approach to radiation protection, Hendee WR; Edwards FM. *Semin Nucl Med* 1986; 16: 142
- anterior eye protection with orbital neoplasia, Hancock SL. *Int J Radiat Oncol Biol Phys* 1986; 12: 123
- application of cost-benefit analysis when considering action to reduce environmental dose rates in hospitals, Wilkinson JM. *Br J Radiol* 1987; 60: 919
- assessment of priorities when introducing some radiation protection methods in radiodiagnosis, Russell JGB. *Br J Radiol* 1986; 59: 153
- Barytes Board: cost effective radiation barrier material for use in diagnostic x-ray suites, Coalter GC; Metcalfe PE. *Australas Radiol* 1987; 31: 90
- case for radioprotective eyewear/facewear: practical implications and suggestions, Cousin AJ; Lawdahl RB; Chakraborty DP; et al. *Invest Radiol* 1987; 22: 688
- clinical study of the radioprotective effects on Amifostine (YM-08310, WR-2721) on chronic radiation injury, Takahashi I; Nagai T; Miyaishi K; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 935
- comparative biodistribution and radioprotection studies with three radioprotective drugs in mouse tumors, Rasey JS; Krohn KA; Menard TW; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1487
- comparison of commercial treatment planning systems when calculating dose under shielding blocks, Tatcher M. *Int J Radiat Oncol Biol Phys* 1986; 12: 1899
- differential radioprotection of bone marrow and tumour cells by zinc aspartate, Florensheim GL; Chiodetti N; Bieri A. *Br J Radiol* 1988; 61: 501
- dose distribution under external eye shields for high energy electrons, Rustgi SN. *Int J Radiat Oncol Biol Phys* 1986; 12: 141

- effect of reserpine on salivary gland radiiodine uptake in thyroid cancer, Levy HA; Park CH, Clin Nucl Med 1987; 12: 303
- guidelines for radiation protection, Murphy PH, Semin Nucl Med 1986; 16: 131
- improved system of customised photon shielding for radiotherapy, Plant GR; Challoner D; Morgan DAL, Br J Radiol 1986; 59: 930
- lead apron: room for improvement?, Boothroyd AE; Russell JGB, Br J Radiol 1987; 60: 203
- lead thickness in shielding in the protection of radiodiagnostic staff, Russell JGB; Hufton AP, Br J Radiol 1988; 61: 128
- memoranda from the British Committee on Radiation Units and Measurements: new quantities in radiation protection and conversion coefficients, Br J Radiol Br J Radiol 1986; 59: 946
- method for the combined measurement of ethiofos and WR-1065 in plasma: application to pharmacokinetic experiments with ethiofos and its metabolites, Swynnerton NF; Huelle BK; Mangold DJ, Int J Radiat Oncol Biol Phys 1986; 12: 1495
- modification of WR-2721 toxicity and radioprotection by an inhibitor of alkaline phosphatase, Brown DQ; Shaw LM; Pittcock JW III; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1491
- protection against ionising radiation and synergism with thiols by zinc aspartate, Floersheim GL; Floersheim P, Br J Radiol 1986; 59: 597
- protection by WR-2721 of human bone marrow function following irradiation, Constine LS; Zagars G; Rubin P, et al, Int J Radiat Oncol Biol Phys 1986; 12: 1505
- protection of mouse chromosomes against whole-body gamma irradiation by SH-compounds, Gupta R; Devi PU, Br J Radiol 1986; 59: 625
- radiation protection programs in nuclear medicine, St. Germain J, Semin Nucl Med 1986; 16: 198
- radiobiological equivalence condition for radiotherapy regimes incorporating protective shielding of vulnerable normal organs, O'Donoghue JA; Wheldon TE, Br J Radiol 1986; 59: 709
- radiological safety: gamma camera flood sources, Jeans SP, Br J Radiol 1987; 60: 495
- radioprotection against cataract formation by WR-77913 in gamma-irradiated rats, Menard TW; Osgood TB; Clark JL, et al, Int J Radiat Oncol Biol Phys 1986; 12: 1483
- radioprotection in rat spinal cord with WR-2721 following cerebral lateral intraventricular injection, Spence AM; Krohn KA; Edmondson SW, et al, Int J Radiat Oncol Biol Phys 1986; 12: 1479
- radioprotection of peripheral blood cells with a combination of hydroxytryptophan and a thiol compound in mice, Basu SK; Chandra K; Chuttani K, Acta Oncol 1987; 26: 229
- recommended position for wearing of personal dosimeters: statement of the British Institute of Radiology, Br J Radiol Br J Radiol 1988; 61: 349
- simple radiation protection device for CT, Chintapalli K; Wentworth W; Wilson CR, AJR 1988; 150: 199
- spinal cord dose reduction using an anterior 13 MeV electron field situated between a split anterior ⁶⁰Co supracervical field, Mills MD; Fuller LM; Zagars GK; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1571
- spinal cord protection during radiation therapy, Coia L; Chu J; Larsen R, et al, Int J Radiat Oncol Biol Phys 1986; 12: 1697
- surface shield: device to reduce personnel radiation exposure, Young AT; Morin RL; Hunter DW; Nelson KL; Cardella JF; Castaneda-Zuniga WR; Amplatz K, Radiology 1986; 159: 801
- toxicity and biodistribution of the radioprotectors, WR2721, WR77913, and WR3689, in the CNS following intraventricular or intracisternal administration, Spence AM; Edmondson SW; Krohn KA; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1653
- transplacental uptake of WR 2721 by the rat embryo, Davis ME; Conger AD; Sodicoff M, Int J Radiat Oncol Biol Phys 1987; 13: 575
- use of carbon fibre material in table tops, cassette fronts and grid covers: magnitude of possible dose reduction, Hufton AP; Russell JGB, Br J Radiol 1986; 59: 157
- WR 2721 modification of type II cell and endothelial cell function in mouse lung after single doses of radiation, Travis EL; Newman RA; Helbing SJ, Int J Radiat Oncol Biol Phys 1987; 13: 1355
- Radiocerosols**
See Aerosols
- Radiobiology**
See also Neoplasms, experimental
- angiographic, hemodynamic, and histologic evaluation of portal hypertension and periportal fibrosis induced in the dog by retrograde biliary injections of sesame oil, Burgener FA; Gutierrez OH, Invest Radiol 1986; 21: 551
- applicability of animal tumor data to cancer therapy in humans, Moulder JE; Dutreix J; Rockwell S; et al, Int J Radiat Oncol Biol Phys 1988; 14: 913
- biological effects of shock waves: lung hemorrhage by shock waves in dogs—pressure dependence, Delius M; Enders G; Heine G; et al, Ultrasound Med Biol 1987; 13: 61
- bone healing following irradiation during tourniquet ischaemia, Kaleb P; Jacobsson M; Albrektsson T, et al, Acta Oncol 1987; 26: 63
- calculation of absorbed doses for radiobiological studies involving the use of small irradiation fields, Dixon-Brown A; Hopewell JW, Br J Radiol 1988; 61: 261
- effects of changes in oxygen tension, pH, and glucose concentration on the response to CCNU of EM16 mouse tumor monolayer cells and multicellular spheroids, Kwok TT; Twentyman PR, Int J Radiat Oncol Biol Phys 1988; 14: 1221
- heterogeneity of radiation response of a parent human epidermoid carcinoma cell line and four clones, Weichselbaum RR; Beckett MA; Dahlberg W; et al, Int J Radiat Oncol Biol Phys 1988; 14: 907
- late radiation effects in the mouse brain: a quantitative study on PAS positive deposits, Yoshi Y; Maki Y, Acta Oncol 1987; 26: 373
- prediction of the relative toxicities of radium 224 and of radium 226 in the bones of mice using Monte Carlo techniques, Priest ND, Br J Radiol 1987; 60: 677
- proteoglycan-induced arthritis in BALB/c mice: clinical features and histopathology, (ab), Glant TT; Mikecz K; Arzumanian A; et al, Radiology 1987; 164: 886
- radiobiology, Hall EJ; Fowler JF, Int J Radiat Oncol Biol Phys 1988; 14: 525
- radioprotection of peripheral blood cells with a combination of hydroxytryptophan and a thiol compound in mice, Basu SK; Chandra K; Chuttani K, Acta Oncol 1987; 26: 229
- research protocol review for animal welfare, Orlans FB, Invest Radiol 1987; 22: 253
- rubidium-82 myocardial uptake and extraction after transient ischemia: PET characteristics, Wilson RA; Shea M; De Landsheere C; et al, JCAT 1987; 11: 60
- three-dimensional finite-difference thermoregulatory model of a squirrel monkey, Spiegel RJ; Fatmi MB, Int J Radiat Oncol Biol Phys 1986; 12: 983
- uptake of cadmium-109, a metallothionein-binding radiometal, by tumors in mice as a function of the transformed phenotype, Morton KA; Alazraki NP; Datz FL; et al, Invest Radiol 1988; 23: 200
- use of computed tomography to quantitate bone formation after distraction epiphysiolysis in the rabbit, Van Roermund PM; Ter Haar Romeny BM; Schoonderwoert GJ; et al, Skeletal Radiol 1987; 16: 52
- Radiobiology, blood and hematopoietic studies**
alterations in liver blood flow and reticuloendothelial function in progressive cirrhosis in the rat, Goeting NLM; Fleming JS; Gallagher P; et al, J Nucl Med 1986; 27: 1751
- effect of multiple intravenous injections of diatrizoate on iodine concentrations and osmolality: experimental study in rabbits, Rubin DI; Kido DK; Morris TW; et al, Invest Radiol 1987; 22: 223
- response of white blood cells to iodipamide ethyl ester particles, Lauteala L; Korman M; Violante MR, Invest Radiol 1986; 21: 562
- Radiobiology, cell and tissue studies**
bone cell viability after irradiation: an enzyme histochemical study, Jacobsson M; Kaleb P; Tjellström A; et al, Acta Oncol 1987; 26: 463
- cell proliferation and differentiation in the small intestine after irradiation with multiple fractions, Becciolini A; Cremonini D; Fabbria D; et al, Acta Oncol 1986; 25: 51
- differential reduction by caffeine of adriamycin induced cell killing and cell cycle delays in Chinese hamster V79 cells, Iliakis G; Nusse M; Ganapathi R; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1987
- effect of glycolysis inhibitors on the recovery of CHO-K 1 cells from split-dose irradiation, Seymour CB; Mothersill C, Acta Oncol 1987; 26: 367
- effect of lactate on the recovery of CHO-KI cells from gamma radiation damage, Mothersill C; Seymour CB, Acta Oncol 1986; 25: 71
- lactate-induced inhibition of tumor cell proliferation, Marx E; Mueller-Klieser W; Vaupel P, Int J Radiat Oncol Biol Phys 1988; 14: 947
- mechanisms of gallium-67 accumulation by tumors: role of cell membrane permeability, Anghileri LJ; Crone-Escanyé M-C; Thouvenot P; et al, J Nucl Med 1988; 29: 663
- oncogenic transformation of cells in culture: pragmatic comparisons of oncogenicity, cellular and molecular mechanisms, Hall EJ; Hei TK, Int J Radiat Oncol Biol Phys 1986; 12: 1909
- provoked repetitive healing of mature bone tissue following irradiation: quantitative investigation, Jacobsson M; Kaleb P; Albrektsson T; et al, Acta Oncol 1986; 25: 57
- Radiobiology, cutaneous studies**
investigation of changes in relative biological effectiveness (RBE) with depth for x ray beams generated between 100 and 250 kVp using the mouse foot as biological test system, Hering ER, Int J Radiat Oncol Biol Phys 1986; 12: 815
- local anaesthetics modifying the dermal response of irradiation: an experimental study, Ohlén L; Evers H; Segerström K; et al, Acta Oncol 1987; 26: 467
- response of previously irradiated mouse skin to a second course of irradiation: early skin reaction and skin shrinkage, Masuda K; Matsuura K; Withers HR; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1645
- reversible injury after mild hyperthermia, Stone HB; Harding RP, Int J Radiat Oncol Biol Phys 1986; 12: 823
- Radiobiology, genitourinary system studies**
effects of testicular irradiation on stem cell survival, hormonal environment and spermatogenic cells in Wistar rats, Van Kroonenburgh MJPG; Van Daal WAJ; Beck JL; et al, Acta Oncol 1987; 26: 57
- flow cytometric evaluation of the effects of 2.3 MeV neutrons and 240 kV X rays on mouse spermatogenic S-phase cells using bromodeoxyuridine incorporation, Gasinska A; Wilson GD, Br J Radiol 1988; 61: 133
- partial prevention of tritium induced uterine involution in mice by 2-mercaptopyrrolidylglycine, Mathur SP; Patni N; Popli MK; et al, Acta Oncol 1986; 25: 77
- Radiobiology, lethality studies**
analogues of RSU-1069: radiosensitization and toxicity *in vitro* and *in vivo*, Ahmed I; Jenkins TC; Walling JM; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1079
- antimutagenic properties of WR 2721 and of a radioprotective mixture, ATP-AET-serotonin, with regard to x ray induced reciprocal translocations in mouse spermatogonia, Benova D, Int J Radiat Oncol Biol Phys 1987; 13: 117

- comparison of clonogenic and radionuclide uptake assays for determining the radiation response of human small-cell lung cancer xenografts and cell lines, Fox NE; Twentyman PR, *Br J Radiol* 1987; 60: 381
- comparison of tumor and normal tissue levels of acidic, basic and neutral 2-nitroimidazole radiosensitizers in mice, Minchinton AJ; Stratford MRL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1117
- compartmentalized depletion of glutathione in cells treated with buthionine sulfoximine, Edgren MR; Revesz L, *Br J Radiol* 1987; 60: 723
- cytotoxicity of RSU 1069 in spheroids and murine tumors, Olive PL; Durand RE; Chaplin DJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1361
- effect of cisplatin resistance on cellular radiation response, Wallner KE; Li GC, *Int J Radiat Oncol Biol Phys* 1987; 13: 587
- effect of hydralazine on the tumor cytotoxicity of the hypoxic cell cytotoxin RSU-1069: evidence for therapeutic gain, Chaplin DJ; Acker B, *Int J Radiat Oncol Biol Phys* 1987; 13: 579
- effect of mixed fractionation with x rays and neutrons on tumour growth delay and skin reactions in mice, Carl UM; McNally NJ; Joiner MC, *Br J Radiol* 1987; 60: 583
- effect of the radiosensitizer misonidazole and the radioprotector diethyldithiocarbamate on spontaneous metastasis formation of murine tumors, Milas L; Hunter N; Basic I; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1071
- effect of tumor colony definition on ionizing radiation survival curves of melanoma-colony forming cells, Yohem KH; Bregman MD; Meyskens FL Jr, *Int J Radiat Oncol Biol Phys* 1987; 13: 1725
- effects of MR imaging on murine natural killer cell cytotoxicity, Prasad N; Lotzova E; Thornby JJ, et al, *AJR* 1987; 148: 415
- effects of nucleoside analogs and sodium butyrate on recovery from potentially lethal x ray damage in human colon tumor cells, Arundel CM; Leith JT, *Int J Radiat Oncol Biol Phys* 1987; 13: 593
- experimental pharmacokinetics of RSU-1069 and its analogues: high tumor/plasma ratios, Deacon JM; Holliday SB; Ahmed I; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1087
- growth phase related variation in the radiation sensitivity of human colon adenocarcinoma cells, West CML; Keng PC; Sutherland PM, *Int J Radiat Oncol Biol Phys* 1988; 14: 1213
- hypoxia mediated binding of misonidazole in non-malignant tissue, Rasey JS; Hoffman JM; Spence AM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1255
- inability of polyethylene-glycol substituted copper- and zinc-containing superoxide dismutase to protect mice against radiation lethality, Westman NG; Marklund SL, *Acta Oncol* 1987; 26: 483
- increase in tumor pO₂ by perfluorochemicals and carbogen, Hasegawa T; Rhee JG; Levitt SH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 569
- induction characteristics of oxygen regulated proteins, Heacock CS; Sutherland RM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1287
- inhibition of potentially lethal radiation damage repair in normal and neoplastic human cells by 3-aminobenzamide: an inhibitor of poly(ADP-ribosylation), Thraves PJ; Mossman KL; Frazier DT; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1541
- maximum recovery potential of human tumor cells may predict clinical outcome in radiotherapy, Weichselbaum RR; Beckett M, *Int J Radiat Oncol Biol Phys* 1987; 13: 709
- oxygen concentration and the OER for acutely or chronically thiol deficient cells, Astor MB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1131
- radiation repair in human endothelial cells, Marchese MJ; Hei TK; Zaider M; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1857
- radiosensitivity and sublethal damage repair in human umbilical cord vein endothelial cells, Hei TK; Marchese MJ; Hall EJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 879
- radiosensitization *in vitro* and *in vivo* by 3-nitrotriazoles, Shibamoto Y; Sakano K; Kimura R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1063
- radiosensitization of hypoxic cells at low doses, Skarsgard LD; Harrison I; Durand RE; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1075
- radiosensitizing and toxic effects of RSU-1069 on hypoxic cells in a murine tumor, Chaplin DJ; Durand RE; Stratford IJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1091
- sensitization by SR-2508 plus Ro 03-8799, Stone HB; Luu YH; Lam KN, *Int J Radiat Oncol Biol Phys* 1986; 12: 1097
- specificity of endogenous glutathione in determining the oxygen enhancement of cellular radiosensitivity, Edgren MR; Solen G; Revesz L, *Int J Radiat Oncol Biol Phys* 1986; 12: 1147
- studies on the mechanisms of the radiosensitizing and cytotoxic properties of RSU-1069 and its analogues, Walling JM; Stratford IJ; Adams GE; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1083
- study of heat and radiation response of a malignant, melanin-producing cell line derived from C3H 10T1/2 cells transformed in culture by radiation, Raaphorst GP; Vadasz J; Azzam EL, *Int J Radiat Oncol Biol Phys* 1986; 12: 2151
- toxic effects of extended glutathione depletion by buthionine sulfoximine on murine mammary carcinoma cells, Dethlefsen LA; Biaglow JE; Peck VM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1157
- Radiobiology, neoplastic studies**
See Neoplasms, experimental
- Radiobiology, time-dose studies**
5-fluorouracil infusions and fractionated doses of radiation: studies with a murine squamous cell carcinoma, Weinberg MJ; Rauth AM, *Int J Radiat Oncol Biol Phys* 1987; 13: 1691
- accelerated fractionation in the radiation treatment of head and neck cancer: a critical comparison of different strategies, Peters LJ; Ang KK; Thames HD Jr, *Acta Oncol* 1988; 27: 185
- accelerated versus conventional fractionation: the degree of incomplete repair in human skin with a four-hour fraction interval studied after postmastectomy irradiation, Turesson I; Notter G, *Acta Oncol* 1988; 27: 169
- applicability of animal tumor data to cancer therapy in humans, Moulder JE; Dutreix J; Rockwell S; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 913
- combinations of CCNU, MISO, and fractionated radiotherapy, Siemann DW; Alliet KL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1379
- decreased bone growth arrest in weanling rats with multiple radiation fractions per day, Eifel PJ, *Int J Radiat Oncol Biol Phys* 1988; 15: 141
- early fractionation methods and the origins of the NSD concept, Thames HD Jr, *Acta Oncol* 1988; 27: 89
- early results of radiotherapy for advanced laryngeal cancer using three small fractions per day, Morgan DAL; Bradley FJ; MacLennan KA, *Acta Oncol* 1987; 26: 437
- effect of mixed fractionation with x rays and neutrons on tumour growth delay and skin reactions in mice, Carl UM; McNally NJ; Joiner MC, *Br J Radiol* 1987; 60: 583
- effects of accelerated fractionation on radiation injury of the small intestine: a new rat model, Hauer-Jensen M; Poulakos L; Osborne JW, *Int J Radiat Oncol Biol Phys* 1988; 14: 1205
- effects of fractionated schedules of irradiation combined with cis-diamminedichloroplatinum II on the SCCVII/St tumor and normal tissues of the C3H/KM mouse, Tanabe M; Godat D; Kallman RF, *Int J Radiat Oncol Biol Phys* 1987; 13: 1523
- fractionation and dose rate effects in mice: a model for bone marrow transplantation in man, Tarbell NJ; Amato DA; Down JD; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1065
- fractionation: a paradigm for clinical research in radiation oncology, Cox JD, *Int J Radiat Oncol Biol Phys* 1987; 13: 1271
- from 2 Gy to 1 Gy per fraction: sparing effect in rat spinal cord?, van der Schueren E; Landuyt W; Ang KK; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 297
- hazard of accelerated tumor clonogen repopulation during radiotherapy, Withers HR; Taylor JMG; Maciejewski B, *Acta Oncol* 1988; 27: 131
- intervals between multiple fractions per day: differences between early and late radiation reactions, Fowler JF, *Acta Oncol* 1988; 27: 181
- is the rate of repair of radiation-induced sublethal damage in rat spinal cord dependent on the size of dose per fraction?, Ang KK; Thames HD Jr; van der Kogel AJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 557
- late radiation response of the canine trachea with change in dose per fraction, Powers BE; McChesney SL; Gillette EL, *Int J Radiat Oncol Biol Phys* 1987; 13: 1673
- leg contracture in mice after single and multifractionated ¹³⁷Cs exposure, Masuda K; Hunter N; Stone HB; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1209
- misonidazole in fractionated radiotherapy of a murine mammary carcinoma: comparison of tumor and normal tissue response, Stone HB, *Int J Radiat Oncol Biol Phys* 1988; 14: 957
- modification of radiation-induced damage to bone marrow stem cells by dose rate, dose fractionation, and prior exposure to cytosol as judged by the survival of CFU_u, application to bone marrow transplantation (BMT), Evans RG; Wheatley CL; Nielsen JR, *Int J Radiat Oncol Biol Phys* 1988; 14: 491
- optimization of dose-time factors for a tumor and multiple associated normal tissues, Cohen L, *Int J Radiat Oncol Biol Phys* 1987; 13: 251
- possible dose rate dependence of recovery kinetics as deduced from a preliminary analysis of the effects of fractionated irradiations at varying dose rates, Dale RG; Huczkowski J; Trott KR, *Br J Radiol* 1988; 61: 153
- radiation treatment with twice a day fractionation versus conventional fractionation in high grade astrocytoma: a retrospective study, Bignardi M; Bertoni F, *Acta Oncol* 1987; 26: 441
- radiotherapy employing three fractions on each of twelve consecutive days, Saunders MJ; Dische S; Fowler JF; et al, *Acta Oncol* 1988; 27: 163
- radiotherapy of the rhabdomyosarcoma R1H of the rat: kinetics of cellular inactivation by fractionated irradiation, vogler H; Beck-Bornholdt H-P, *Int J Radiat Oncol Biol Phys* 1988; 14: 317
- radiotherapy of the rhabdomyosarcoma R1H of the rat: the influence of the number of fractions on tumor and skin response, Würschmidt F; Vogler H; Beck-Bornholdt H-P, *Int J Radiat Oncol Biol Phys* 1988; 14: 497
- re-oxygenation of the RIF-1 tumor after fractionated radiotherapy, Dörrie MJ; Kallman RF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1853
- repopulation in human tumors: a biological background for fractionation in radiotherapy, Tubiana M, *Acta Oncol* 1988; 27: 83
- response of mouse epidermis to fractionated doses of α mesons, Chaplin DJ; Douglas BG; Grulkey W; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1199
- sensitizers and radiation dose fractionation: results and interpretations, Hill RP, *Int J Radiat Oncol Biol Phys* 1986; 12: 1049
- short and long fractionated schedules in radiotherapy and a proposed improvement, Fowler JF, *Br J Radiol* 1987; 60: 777
- simple graphical method for deriving kinetics of repair from fractionated and protracted irradiations, Scalliet P; Erffmann RKL; Landuyt W; et al, *Br J Radiol* 1988; 61: 90
- single dose or fractionated total body irradiation and autologous marrow transplantation in dogs: effects of exposure rate, fraction size, and fractionation interval on acute and delayed toxicity, Deeg HJ; Storb R; Longton G; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 647

time/dose/fractionation trials, Cox J; van der Schueren E. *Int J Radiat Oncol Biol Phys* 1988; 14: 551

unified approach to dose-effect relationships in radiotherapy. II: inhomogeneous dose distributions, Orton CG. *Int J Radiat Oncol Biol Phys* 1988; 14: 557

Radiography

See Images

Radiography

See also Radiations; under procedures, such as Angiography; Fluoroscopy; Myelography, etc.

diagnostic radiology: usage and trends in the United States, 1964-1980, Mettler FA Jr. *Radiology* 1987; 162: 263

modern imaging and endoscopic biopsy techniques in Egyptian mummies, Notman DNH; Tashjian J; Aufderheide AC; et al. *AJR* 1986; 146: 93
reducing roentgenography use: can patient expectations be altered? (ab), Deyo RA; Diehl AK; Rosenthal M. *Radiology* 1987; 163: 591

Radiography, absurdities

x-ray gogs: preliminary evaluation of a "new" imaging modality, Edwards DK III. *AJR* 1988; 150: 731

Radiography, comparative studies

chest radiographs obtained with shaped filters: evaluation by observer performance tests, Kelsey CA; Lane RG; Moseley RD Jr; Mettler FA Jr; Rosenberg RD; Williams AG; Garcia JF; Feldman BS; Boardman RE. *Radiology* 1986; 159: 653

comparison of two screen-film combinations in contact and magnification mammography: detectability of microcalcifications, Oestmann JW; Kopans DB; Linetsky L; Hall DA; McCarthy KA; White G; Swann C; Kelley JE; Johnson LL. *Radiology* 1988; 166: 657

low-dose flying spot digital radiography of the chest: sensitivity studies, Kushner DC; Cleveland RH; Herman TE; McLoud TC; Waltman AC; Shepard JO; Dedrick CG; Kopans DB; Greene RE. *Radiology* 1987; 163: 685

multiphasic examinations of the stomach, Op den Orth JO. *Radiology* 1987; 165: 583

multiphasic examinations of the stomach: efficacy of individual techniques and combinations of techniques in detecting 153 lesions, Gelfand DW; Chen YM; Ott DJ. *Radiology* 1987; 162: 829

multiphasic examinations of the stomach: reply, Gelfand DW; Ott DJ; Chen YM. *Radiology* 1987; 165: 584

osteoarthritis of the facet joints: accuracy of oblique radiographic assessment, Pathria M; Sartoris DJ; Resnick D. *Radiology* 1987; 164: 227

peptic ulcer and gastric carcinoma: diagnosis with biphase radiography compared with fiberoptic endoscopy, Shaw PC; van Romunde LK; Griffioen G; Janssens AR; Kreuning J; Eilers GAM. *Radiology* 1987; 163: 39

second-screening mammography: one versus two views per breast, Ikeda DM; Sickles EA. *Radiology* 1988; 168: 651

simulated pulmonary nodules: detection with dual-energy digital versus conventional radiography, Niklasen LT; Hickey NM; Chakraborty DP; Sabbagh EA; Yester MV; Fraser RG; Barnes CT. *Radiology* 1986; 160: 589

Radiography, computer-assisted

computed radiographic evaluation of simulated pulmonary nodules: preliminary results, Newell JD; Seeley G; Hagaman RM; et al. *Invest Radiol* 1988; 23: 267

computed radiographic imaging: use in low-dose leg length radiography, Kogutt MS. *AJR* 1987; 148: 1205

digital beam attenuator technique for compensated chest radiography, Hasegawa BH; Naimuddin S; Dobbins JT III; Mistretta CA; Pepper WW; Hangiandreou NJ; Cusma JT; McDermott JC; Kudva BV; Melbye KM. *Radiology* 1986; 159: 537

direct radiographic magnification with computed radiography, Nakano Y; Hiraoka T; Togashi K; et al. *AJR* 1987; 148: 569

one-shot dual-energy subtraction chest imaging with computed radiography: clinical evaluation of film images, Ishigaki T; Sakuma S; Ikeda M. *Radiology* 1988; 168: 67

one-shot dual-energy subtraction imaging, Ishigaki T; Sakuma S; Horikawa Y; Ikeda M; Yamaguchi H. *Radiology* 1986; 161: 271

operational radiologic image archive on digital optical disks, Mankovich NJ; Taira RK; Cho PS; Huang HK. *Radiology* 1988; 167: 139

plain chest radiograph with computed radiography: improved sensitivity for the detection of coronary artery calcification, Sakuma H; Takeda K; Hirono T; et al. *AJR* 1988; 151: 27

portal radiographs: digital enhancement of contrast, Fowlis WD; Brikman I; Seshadri SB; Bloch P. *Radiology* 1988; 169: 839

two-year clinical experience with a computed radiography system, Kangaroo H; Boechat ML; Barbaric Z; et al. *AJR* 1988; 151: 605

Radiography, digital

1987 Gordon Richards Memorial Lecture: the future of radiography—cassetteless or filmless?, Don C. *J Canad Assoc Radiol* 1988; 39: 83

ACR-NEMA digital imaging and communications standards: minimum requirements, Wang Y; Best DE; Hoffman JG; Hori SC; Lehr JL; Lodwick GS; Morse RR; Murphy LL; Nelson OL; Perry J; Thompson BG; Zielonka JS. *Radiology* 1988; 166: 529

adaptive histogram equalization in digital radiography of destructive skeletal lesions, Braunstein EM; Capek P; Buckwalter K; Bland P; Meyer CR. *Radiology* 1988; 166: 883

adaptor to the Leksell stereotaxic instrument for digital coordinate determination in radiography, Bergström M; Greitz T; Ribbe T. *Neuroradiol* 1987; 29: 585

arterial blood-flow waveform measurement in intact animals: new digital radiographic technique, Swanson DK; Myerowitz PD; Hegge JO; Watson KM. *Radiology* 1986; 161: 323

basic imaging properties of a large image intensifier-TV digital chest radiographic system, Fujita H; Doi K; MacMahon H; et al. *Invest Radiol* 1987; 22: 328

bone mineral measurement: automated determination of midvertebral CT section, Kalender WA; Brestowsky H; Felsenberg D. *Radiology* 1988; 168: 219

breast imaging: dual-energy projection radiography with digital radiography, Asaga T; Chiyasu S; Mastuda S; Mastuura H; Kato H; Ishida M; Komaki T. *Radiology* 1987; 164: 869

calcification in pulmonary nodules: detection with dual-energy digital radiography, Fraser RG; Hickey NM; Niklasen LT; Sabbagh EA; Luna RF; Alexander CB; Robinson CA; Katzenstein A-LA; Barnes GT. *Radiology* 1986; 160: 595

clinical trial of digital teleradiology in the practice of emergency room radiology, Kagetsu NJ; Zulauf DRP; Ablow RC. *Radiology* 1987; 165: 551

comparison of 35 mm cine film and digital radiographic image recording: implications for quantitative coronary arteriography: film vs. digital coronary quantification, LeFree MT; Simon SB; Mancini J; et al. *Invest Radiol* 1988; 23: 176

compression of radiological images with 512, 1,024, and 2,048 matrices, Lo S-C; Huang HK. *Radiology* 1986; 161: 519

computed radiography utilizing laser-stimulated luminescence: detectability of simulated low-contrast radiographic objects, Higashida Y; Moribe N; Hirata Y; et al. *Comput Med Imag Graph* 1988; 12: 137

conventional vs computed radiography: evaluation of myelography, Yang PJ; Seeley GW; Carmody RF; et al. *AJNR* 1988; 9: 165

CT digital radiography: alternative technique for airway evaluation in physically disabled patients, Mandell GA; Harcke HT; Padman R; et al. *Pediatr Radiol* 1987; 17: 505

determination of leg length discrepancy: a comparison of weight-bearing and supine imaging, Cleveland RH; Kushner DC; Ogden MC; et al. *Invest Radiol* 1988; 23: 301

differentiation of benign from malignant pulmonary nodules with digitized chest radiographs, Sherrier RH; Chiles C; Johnson GA; Ravin CE. *Radiology* 1987; 162: 645

digital and conventional chest images: observer performance with film digital radiography system, Goodman LR; Foley WD; Wilson CR; Rimm AA; Lawson TL. *Radiology* 1986; 158: 27

digital and conventional chest imaging: modified ROC study of observer performance using simulated nodules, Chakraborty DP; Breatnach ES; Yester MV; Soto B; Barnes GT; Fraser RG. *Radiology* 1986; 158: 35

digital autoradiography: design, development, and evaluation of a solid-state image analyzer, Lear JL; Plotnick J; Rumley S. *J Nucl Med* 1987; 28: 218

digital beam attenuator technique for compensated chest radiography, Hasegawa BH; Naimuddin S; Dobbins JT III; Mistretta CA; Pepper WW; Hangiandreou NJ; Cusma JT; McDermott JC; Kudva BV; Melbye KM. *Radiology* 1986; 159: 537

digital chest imaging: comparison of two film image digitizers with a classification task, Kundel HL; Mezrich JL; Brickman I; Siegel R; Miller WT; Epstein DM; Gefter WB; Arenson RL; Seshadri SB; Khalsa S. *Radiology* 1987; 165: 747

digital chest radiography: effect on diagnostic accuracy of hard copy, conventional video, and reversed gray scale video display formats, MacMahon H; Metz CE; Doi K; Kim T; Giger ML; Chan H-P. *Radiology* 1988; 168: 669

digital gastrointestinal imaging: effect of pixel size on detection of subtle mucosal abnormalities, Kastan DJ; Ackerman LV; Feczko PJ. *Radiology* 1987; 162: 853

digital imaging of the intracranial circulation using an aortic arch injection and carotid compression, Banna M; Mannen J. *J Canad Assoc Radiol* 1986; 37: 184

digital mammography: ROC studies of the effects of pixel size and unsharp-mask filtering on the detection of subtle microcalcifications, Chan H-P; Vyborny CJ; MacMahon H; et al. *Invest Radiol* 1987; 22: 581

digital projection radiography of the chest, Kundel HL. *Radiology* 1986; 158: 274

digital radiographic imaging system with multiple-slit scanning x-ray beam: preliminary report, Doi K; Fujita H; Ohara K; Ono K; Matsui H; Giger ML; Chan H-P. *Radiology* 1986; 161: 513

digital radiography in an intensive care unit, Saito H; Kurashina T; Ishibashi T; et al. *Clin Radiol* 1988; 39: 127

digital radiography of subtle pulmonary abnormalities: ROC study of the effect of pixel size on observer performance, MacMahon H; Vyborny CJ; Metz CE; Doi K; Sabetti V; Solomon SL. *Radiology* 1986; 158: 21

digital radiography of the chest by self-scanning linear diode arrays, Slasky BS; Sashin D; Horton JA; et al. *Acta Radiol* 1987; 28: 461

digital radiography of the chest: promises and problems, Goodman LR; Wilson CR; Foley WD. *AJR* 1988; 150: 1241

digital radiography of the gastrointestinal tract, Feczko PJ; Ackerman LV; Kastan DJ; et al. *Gastrointest Radiol* 1988; 13: 191

digital radiography of the spine, large bones and joints using stimulative phosphor: early clinical experience, Petterson H; Aspelin P; Boijesen E; et al. *Acta Radiol* 1988; 29: 267

digital radiography using laser stimulated luminescence for evaluation of urinary calcifications, Aspelin P; Petterson H; Boijesen E. *Acta Radiol* 1988; 29: 277

digital radiology imaging system: description and clinical evaluation, Templeton AW; Dwyer SJ III; Cox GG; et al. *AJR* 1987; 149: 847

digital subtraction radiography in voiding cystourethrography, Ferri G; Napoli V; Falaschi F; et al. *Eur J Radiol* 1988; 8: 175

- digital urography using stimuable phosphor: an experimental study in the rabbit. Pettersson H; Aspelin P; Boijesen E. *Acta Radiol* 1988; 29: 273
- digitized intra-operative video-fluoroscopy cholangiography: an analysis of 100 cases. Fork F-T; Balth L; Borgström A; et al. *Acta Radiol* 1987; 28: 719
- dual-energy digital radiographic quantification of calcium in simulated pulmonary nodules. Hickey NM; Niklasen LT; Sabbagh E; et al. *AJR* 1987; 148: 19
- dual-energy projection radiography using condenser x-ray generator and digital radiography apparatus. Nishitani H; Umezaki Y; Ogawa K; Yuzuriha H; Tanaka H; Matsuura K. *Radiology* 1986; 161: 533
- effect of a digital imaging network on physician behavior in an intensive care unit. De Simone DN; Kundel HL; Arenson RL; Seshadri SB; Brikman IS; Khalsa SS; Davey MJ; Brisson NE. *Radiology* 1988; 169: 41
- effect of varying high pass filter parameters on the detectability of isolated pulmonary nodules in digitized chest images. Foley WD; Wilson CR; San Dretto M. *Invest Radiol* 1986; 21: 305
- effects of image processing on nodule detection rates in digitized chest radiographs: ROC study of observer performance. Sherrier RH; Chiles C; Wilkinson WE; Johnson GA; Ravin CE. *Radiology* 1988; 166: 447
- evaluation of dry silver hard copies in digital radiography. Trefler M; Yrizarry JM. *AJR* 1987; 149: 853
- excretory urography using computed radiography. Fajardo LL; Hillman BJ; Hunter TB; Claypool HR; Westerman BR; Mockbee B. *Radiology* 1987; 162: 345
- fast computer processing for tissue highlighting in computed tomographic cross-sectional imaging and digital scan projection radiography. Moore CJ; Eddleston B. *Br J Radiol* 1986; 59: 577
- histogram-directed processing of digital chest images. McAdams HF; Johnson GA; Suddarth SA; et al. *Invest Radiol* 1986; 21: 253
- low-dose digital computed radiography in pediatric chest imaging. Kogut MS; Jones JP; Perkins DD. *AJR* 1988; 151: 775
- low-dose flying spot digital radiography of the chest: sensitivity studies. Kushner DC; Cleveland RH; Herman TE; McLoud TC; Waltman AC; Shepard JO; Dedrick CG; Kopans DB; Greene RE. *Radiology* 1987; 163: 685
- low dose pelvimetry with biplane digital radiography. Lotz H; Ekelund L; Hietala S-O; et al. *Acta Radiol* 1987; 28: 577
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display. Smathers RL; Bush E; Drace J; Stevens M; Sommer FG; Brown BW Jr; Karras B. *Radiology* 1986; 159: 673
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display. Wolochow MS. *Radiology* 1987; 162: 879
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display: reply. Smathers RL. *Radiology* 1987; 162: 879
- method for increasing the resolution of scanned projection radiography and other digital x-ray systems. Checkley DR; Zhu XP; Hickey DS; et al. *Br J Radiol* 1986; 59: 365
- method of stereotaxic localization adopted for conventional and digital radiography. Bergstrom M; Greitz T; Ribbe T. *Neuroradiol* 1986; 28: 100
- mineral content of bone: measurement by energy subtraction digital chest radiography. Friedman SE; Dubovsky EV; Dubovsky J; et al. *AJR* 1987; 149: 1199
- one-shot dual-energy subtraction chest imaging with computed radiography: clinical evaluation of film images. Ishigaki T; Sakuma S; Ikeda M. *Radiology* 1988; 168: 67
- one-shot dual-energy subtraction imaging. Ishigaki T; Sakuma S; Horikawa Y; Ikeda M; Yamaguchi H. *Radiology* 1986; 161: 271
- operational radiologic image archive on digital optical disks. Mankovich NJ; Taira RK; Cho PS; Huang HK. *Radiology* 1988; 167: 139
- patient absorbed doses in digital grey-scale fluorography. Cowen AR; Taylor C. *Br J Radiol* 1986; 59: 699
- performance characteristics of a laser scanner and laser printer system for radiological imaging. Lo S-CB; Taira RK; Mankovich NJ; et al. *Comput Radiol* 1986; 4: 227
- pneumothorax and other lung diseases: effect of altered resolution and edge enhancement on diagnosis with digitized radiographs. Goodman LR; Foley WD; Wilson CR; Tikofsky RS; Hoffmann RG. *Radiology* 1988; 167: 83
- pulmonary ventilation in children: digital subtraction study. (ab). Schmit P; Faure C; Sardet A; et al. *Radiology* 1986; 158: 282
- radiation dose reduction during hysterosalpingography: application of scanning-beam digital radiography. Kushner DC; Yoder JC; Cleveland RH; Herman TE; Goodsitt MM. *Radiology* 1986; 161: 31
- radiation dose reduction in the evaluation of scoliosis: application of digital radiography. Kushner DC; Cleveland RH; Herman TE; Zaleske DJ; Ehrlich MG; Correia JA. *Radiology* 1986; 161: 175
- review of optical storage technology for archiving digital medical images. Hindel R. *Radiology* 1986; 161: 257
- rotator cuff disruption: diagnosis with digital arthrography. Stiles RC; Resnick D; Sartoris DJ; Andre MP. *Radiology* 1988; 168: 705
- simulated pulmonary nodules: detection with dual-energy digital versus conventional radiography. Niklasen LT; Hickey NM; Chakraborty DP; Sabbagh EA; Yester MV; Fraser RG; Barnes GT. *Radiology* 1986; 160: 589
- spatial resolution requirements for digital chest radiographs: ROC study of observer performance in selected cases. Lams PM; Cocklin ML. *Radiology* 1986; 158: 11
- stomach and duodenum: radiographic magnification using computed radiography (CR). Nakano Y; Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Adachi H; Itoh H; Torizuka K. *Radiology* 1986; 160: 383
- subtle lung cancers: impact of edge enhancement and gray scale reversal on detection with digitized chest radiographs. Oestmann JW; Kushner DC; Bourgoin PM; Llewellyn HJ; Mockbee BW; Greene R. *Radiology* 1988; 167: 657
- technical exhibits: RSNA '87 meeting notes. Gray JE; Barnes GT; Morin RL; Yester MV; Chakraborty DP. *Radiology* 1988; 166: 927
- thoracic radiology: RSNA '87 meeting notes. Greene R; Levitt RG; Miller WT; Anderson DJ; Gelfer WB; Glazer HS; Jost RG; Molina PL; Oestmann JW; Sagel S; Stark P; Steiner R. *Radiology* 1988; 166: 920
- total digital radiology department: spatial resolution requirements. Seeley GW; Fisher HD; Stempski MO; et al. *AJR* 1987; 148: 421
- Radiography, in art**
- computed tomography of an ancient Egyptian cat. Falke THM; Zweypfenning-Snijders MC; Zweypfenning RCVJ; et al. *JCAT* 1987; 11: 745
- paleoradiologic evaluation of the Egyptian royal mummies. Braunstein EM; White SJ; Russell W; et al. *Skeletal Radiol* 1988; 17: 348
- radiology on postage stamps: part 2. Prae-holm J; Dissing I; Herning M. *Radiographics* 1988; 8: 1203
- three-dimensional CT reconstructions of an ancient human Egyptian mummy. Marx M; D'Auria SH. *AJR* 1988; 150: 147
- waterfowl decoys. *Radiology* 1987; 164: 404
- Radiography, in infants and children**
- chest radiography in whooping cough. Bellamy EA; Johnston IDA; Wilson AG. *Clin Radiol* 1987; 38: 39
- choosing contrast media for the evaluation of the gastrointestinal tract of neonates and infants. Cohen MD. *Radiology* 1987; 162: 447
- coin ingestion: unusual appearance of the penny in a child. Fernbach SK; Tucker GF. *Radiology* 1986; 158: 512
- excretory urography with iohexol: evaluation in children. Magill HL; Clarke EA; Fitch SJ; Boulden TF; Ramirez R; Siegle RL; Somes GW. *Radiology* 1986; 161: 625
- febrile infants less than 3 months old: value of chest radiography. Heulitt MJ; Ablow RC; Santos CC; O'Shea TM; Hilfer CL. *Radiology* 1988; 167: 135
- Hodgkin disease and non-Hodgkin lymphomas in children: utilization of radiological modalities. Cohen MD; Siddiqui AR; Weetman RM; Provisor AJ; Coates T. *Radiology* 1986; 158: 499
- inadvertent ligation of the left pulmonary artery. Jaffe RB; Ormond GS; Veasy LG. *Radiology* 1986; 161: 355
- infant ribs: generalized periosteal reaction resulting from vibrator chest physiotherapy. Wood BF. *Radiology* 1987; 162: 811
- low-dose digital computed radiography in pediatric chest imaging. Kogut MS; Jones JP; Perkins DD. *AJR* 1988; 151: 775
- normal left atrium: appearance in children on frontal chest radiographs. Rosario-Medina W; Strife JL; Dunbar JS. *Radiology* 1986; 161: 345
- percutaneous diagnostic and therapeutic interventional radiologic procedures in children: experience in 100 patients. vanSonnenberg E; Wittich CR; Edwards DK; Casola G; Hilton SW; Self TW; Keightley A; Withers C. *Radiology* 1987; 162: 601
- percutaneous studies of the upper urinary tract in children, with special emphasis on infants. Riedy MJ; Lebowitz RL. *Radiology* 1986; 160: 231
- plain abdominal radiographs in children with inflammatory bowel disease. Taylor GA; Nannarow PA; Hernanz-Schulman M; et al. *Pediatr Radiol* 1986; 16: 206
- radiation exposure reduction by use of Kevlar cassettes in the neonatal nursery. Herman MW; Mak HK; Lachman RS. *AJR* 1987; 148: 969
- risk of diagnostic radiation of the newborn. Fletcher EWL; Baum JD; Draper G. *Br J Radiol* 1986; 59: 165
- skull radiography in infants: potential hazards of the use of head caps. Rosenblum J; Yousefzadeh DK; Ramilo LJ. *Radiology* 1986; 161: 367
- "trumpeting elephant" sign of gastroesophageal reflux. Rowen SJ; Gypens MT. *Radiology* 1988; 167: 138
- ultra-low-dose routine pediatric radiography utilizing a rare-earth filter. Wesenberg RL; Amundson GM; Mueller DL; et al. *J Canad Assoc Radiol* 1987; 38: 158
- Radiography, poetry**
- bubbles in the belly. Sobin LH. *Radiology* 1987; 164: 326
- ode on an MR machine: to the patient beware! Hartley BS. *Radiology* 1988; 168: 582
- tales of the ampulla of Vater: XII. Sobin LH. *Radiology* 1988; 166: 744
- Radiography, portable**
- assessment of cardiac size on portable chest films. Milne ENC; Burnett K; Aufrechtig D; et al. *J Thorac Imag* 1988; 3-2: 64
- Radiography, stereoscopic**
- biplane stereoscopic magnification cerebral angiography. Kieffeld J; O'Reilly GV; Barsotti JB; Brooks ML. *Radiology* 1987; 165: 576
- stereoscopic DSA of the central nervous system. Takahashi M; Bussaka H; Miyawaki M. *Neuroradiol* 1986; 28: 105
- Radiography, technology**
- See also Screens and films
- adaptive histogram equalization in digital radiography of destructive skeletal lesions. Braunstein EM; Capek P; Buckwalter K; Bland P; Meyer CR. *Radiology* 1988; 166: 883
- advanced multiple-beam equalization radiography in chest radiology: a simulated nodule detection study. Schultz Kool LJ; Buscher DLT; Vlasbloem H; Hermans J; Merwe PCvd; Algra PR; Herstel W. *Radiology* 1988; 169: 35
- AMBER: a scanning multiple-beam equalization system for chest radiography. Vlasbloem H; Schultz Kool LJ. *Radiology* 1988; 169: 29

- arctic paleoradiology: portable radiographic examination of two frozen sailors from the Franklin Expedition (1845-1848).
Notman DNH; Anderson L; Beattie OB; et al. *AJR* 1987; 149: 347
- atlantoaxial distance in patients with Down syndrome: standardization of measurement.
Synder SJ; Rubin IL; Strauss KJ. *Radiology* 1987; 164: 871
- calcification in pulmonary nodules: detection with dual-energy digital radiography.
Fraser RG; Hickey NM; Niklasen LT; Sabbagh EA; Luna RF; Alexander CB; Robinson CA; Katzenstein A-LA; Barnes GT. *Radiology* 1986; 160: 595
- chest radiography with a shaped filter at 140 kVp: its diagnostic accuracy compared with that of standard radiographs.
Guilbeau JC; Mazoyer BM; Pruvost P; et al. *AJR* 1988; 150: 1007
- clinically acceptable tolerance of roentgen generator exposure parameters.
Forsberg H. *Acta Radiol* 1987; 28: 121
- comparative evaluation of rare earth screen-film systems: free-response operating characteristic analysis and anatomic criteria analysis.
Fearon T; Vucich JJ; McSweeney WJ; et al. *Invest Radiol* 1986; 21: 734
- comparison of two screen-film combinations in contact and magnification mammography: detectability of microcalcifications.
Oestmann JW; Kopans DB; Linetsky L; Hall DA; McCarthy KA; White G; Swann C; Kelley JE; Johnson LL. *Radiology* 1988; 168: 657
- defecography commode.
Bernier P; Stevenson GW; Shorvon P. *Radiology* 1988; 166: 891
- detailed study of radiation dose and radiographic technique during chest radiography.
Faulkner K; Gordon MDH; Miller J. *Br J Radiol* 1986; 59: 245
- development and assessment of an image intensifier for real-time X-ray microscopy.
Davies RL; Flores NA; Evans KT. *Br J Radiol* 1986; 59: 273
- digital ionography: preliminary results.
Boole RV; Moores BM; Dovas T; et al. *Br J Radiol* 1987; 60: 515
- digital radiographic imaging system with multiple-slit scanning x-ray beam: preliminary report.
Doi K; Fujita H; Ohara K; Ono K; Matsui H; Giger ML; Chan H-P. *Radiology* 1986; 161: 513
- digital radiography of the chest by self-scanning linear diode arrays.
Slasky BS; Sashin D; Horton JA; et al. *Acta Radiol* 1987; 28: 461
- direct radiographic magnification with computed radiography.
Nakano Y; Hiraoka T; Togashi K; et al. *AJR* 1987; 148: 569
- double images in plain film radiography: motion artifact.
Marinelli DL; Miller WT. *AJR* 1986; 147: 1312
- dynamic monitoring of output on a superficial X-ray set using a solid-state device.
Plane JH. *Br J Radiol* 1988; 61: 235
- effects of improved contrast on lung-nodule detection: a clinical ROC study.
Sorenson JA; Mitchell CR; Armstrong JD II; et al. *Invest Radiol* 1987; 22: 772
- efficacy of an intracassette filter for improved pneumocolon decubitus radiographs.
Olson DL; Dodds WJ; Stewart ET; et al. *AJR* 1987; 148: 547
- evaluation of optical unsharp masking and contrast enhancement of low-scatter chest radiographs.
Sorenson JA; Mitchell CR. *AJR* 1987; 149: 275
- gamma camera phantom support stand for safer and faster non-uniformity measurement procedures.
Hall RC; Etchells AH. *Br J Radiol* 1986; 59: 701
- improved pulmonary nodule detection with scanning equalization radiography.
Wandtke JC; Plewes DB; McFaul JA. *Radiology* 1988; 169: 23
- measurement of total filtration of diagnostic X-ray tubes.
Cranley K; Fogarty GWA. *Br J Radiol* 1988; 61: 388
- method for increasing the resolution of scanned projection radiography and other digital x-ray systems.
Checkley DR; Zhu XP; Hickey DS; et al. *Br J Radiol* 1986; 59: 365
- method of stereotaxic localization adopted for conventional and digital radiography.
Bergstrom M; Greitz T; Ribbe T. *Neuroradiol* 1986; 28: 100
- performance assessment of X-ray image intensified television fluoroscopy systems in New Zealand.
Poletti JL; Le Heron JC. *Br J Radiol* 1988; 61: 393
- performance characteristics of a laser scanner and laser printer system for radiological imaging.
Lo S-CB; Taira RK; Mankovich NJ; et al. *Comput Radiol* 1986; 4: 227
- potential hazards from movable radiographic tables.
Brateman L. *Radiology* 1987; 165: 878
- quality study of 35 mm. miniaturization of full-size radiographic film.
Göthlin JH; Gadeholt G. *Eur J Radiol* 1988; 8: 62
- radiation dose reduction on a portable image intensifier digital storage unit.
Fleay RF. *Australas Radiol* 1987; 31: 88
- radiographic test object for the LDR Selectron remote afterloading system.
Lambert GD; Lambert K. *Br J Radiol* 1988; 61: 637
- reduction of radiation scatter with a multiple pencil-beam imaging device.
Korhola O; Riihimäki E; Savikurki S. *Radiology* 1987; 165: 257
- simple air mattress for use during prolonged radiological procedures.
Svensson WE. *Br J Radiol* 1988; 61: 691
- simulated pulmonary nodules: detection with dual-energy digital versus conventional radiography.
Niklasen LT; Hickey NM; Chakraborty DP; Sabbagh EA; Yester MV; Fraser RG; Barnes GT. *Radiology* 1986; 160: 589
- stationary and moving mammography grids: comparative radiation dose.
Dershaw DD; Malik S. *AJR* 1986; 147: 491
- three-dimensional reconstruction of the human body.
Fishman EK; Drebin RA; Hruban RH; et al. *AJR* 1988; 150: 1419
- use of a personal computer to measure gamma camera spatial resolution.
Norwood HM; Walker AL; Parkin A; et al. *Br J Radiol* 1988; 61: 237
- Radiological Society of North America**
Chicago and the RSNA. Meszaros WT; Pendergrass HP; Wachowski TJ. *Radiology* 1988; 167: 442
- James J. McCort, MD, President, Radiological Society of North America, 1986.
Pendergrass HP. *Radiology* 1986; 158: 272
- Malcolm D. Jones, M.D., President, Radiological Society of North America, 1988.
Lester RG. *Radiology* 1988; 166: 281
- Radiological Society of North America: the early years.
Pendergrass HP. *Radiology* 1987; 165: 354
- reminiscences of the transition years.
Moreton RD. *Radiology* 1988; 166: 88
- results of the RSNA Today subscriber survey.
Curto TL. *Radiology* 1988; 168: 870
- Richard E. Buenger, MD, President, Radiological Society of North America, 1987.
Huckman MS. *Radiology* 1986; 161: 843
- Robert E. Campbell, MD, President, Radiological Society of North America, 1989.
Harle TS. *Radiology* 1988; 169: 871
- RSNA and its sister societies.
Wyman SM. *Radiology* 1987; 163: 404
- RSNA Research and Education Fund Scholars and Seed Grant Recipients.
Radiology 1987; 164: 583
- Radiological Society of North America, 71st scientific assembly and annual meeting**
annual oration 1985: new concepts in the non-Hodgkin lymphomas: radiologic implications.
Bragg DG; Colby TV; Ward JH. *Radiology* 1986; 159: 291
- annual oration 1985: tribute to Henry Seymour Kaplan, M.D.
Bragg DG. *Radiology* 1986; 159: 289
- award winning scientific exhibits—1985.
Tuddenham WJ. *Radiographics* 1986; 6: 151
- editor's page: the 71st scientific assembly and annual meeting.
Tuddenham WJ. *Radiographics* 1986; 6: 3
- general case of the day.
Earnest F IV. *Radiographics* 1986; 6: 725
- general case of the day: annual meeting 1985.
McLeod RA. *Radiographics* 1986; 6: 504
- general case of the day: annual meeting, 1985.
Muhm JR. *Radiographics* 1986; 6: 914
- general case of the day: annual meeting, 1985.
Hattery RR; Hartman GW; Williamson B. *Radiographics* 1986; 6: 1091
- general case of the day: annual meeting, 1985.
Whaley DH; Hoffman AD. *Radiographics* 1987; 7: 183
- interventional radiology: reflections and expectations.
the 1985 Eugene P. Pendergrass New Horizons Lecture.
White RJ Jr. *Radiology* 1987; 162: 593
- November 1985 neuroradiology film interpretation session.
Kieffer SA; Kricheff II; Drayer BP; Hasso AN; Lukin RR. *Radiographics* 1986; 6: 287
- pediatric case of the day.
Bisset GS III; Towbin RB. *Radiographics* 1986; 6: 731
- pediatric case of the day: annual meeting 1985.
Bisset GS III; Towbin RB. *Radiographics* 1986; 6: 508
- pediatric case of the day: annual meeting, 1985.
Bisset GS III; Towbin RB. *Radiographics* 1986; 6: 917
- pediatric case of the day: annual meeting, 1985.
Towbin RB; Bisset GS III. *Radiographics* 1986; 6: 1100
- pediatric case of the day: annual meeting, 1985.
Bisset GS III; Towbin RB; Strife JL; Gole D. *Radiographics* 1987; 7: 186
- president's address: cancer cure with organ preservation using radiaion therapy.
Brady LW; Markoe AM; Fisher S. *Radiology* 1986; 160: 1
- radical treatment of Hodgkin disease with radiation therapy: results of a 15-year clinical trial.
the 1985 Erskine Lecture.
Levitt SH; Lee CKK; Aepli DM; Bloomfield CD. *Radiology* 1987; 162: 623
- ultrasound case of the day.
Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM. *Radiographics* 1986; 6: 734
- ultrasound case of the day: annual meeting 1985.
Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM. *Radiographics* 1986; 6: 512
- ultrasound case of the day: annual meeting, 1985.
Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM. *Radiographics* 1986; 6: 921
- ultrasound case of the day: annual meeting, 1985.
Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM. *Radiographics* 1986; 6: 1096
- ultrasound case of the day: annual meeting, 1985.
Sandler MA; Beute GH; Madrazo BL; Hudak SF; Maywood CM; Walter K; Haggag AH. *Radiographics* 1987; 7: 1025
- ultrasound case of the day: annual meeting, 1985.
Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggag AH; Maywood CM. *Radiographics* 1988; 8: 188
- Radiological Society of North America, 72nd scientific assembly and annual meeting**
annual oration 1986: the peritoneal ligaments and mesenteries: pathways of intraabdominal spread of disease.
Meyers MA; Oliphant M; Berne AS; Feldberg MAM. *Radiology* 1987; 163: 593
- art and some practical aspects of abstract writing.
Redman HC. *Radiology* 1986; 158: 270
- award winning Scientific Exhibits—1986.
Tuddenham WJ. *Radiographics* 1987; 7: 239
- editor's page: 72nd Scientific Assembly and Annual Meeting of the RSNA.
Tuddenham WJ. *Radiographics* 1987; 7: 5
- film interpretation session.
Baum S; Gooding GAW; Ravin CE; Stewart ET; Weissman BN; Reuter SR. *Radiographics* 1987; 7: 161
- general case of the day: annual meeting, 1986.
Foderaro AE; El-Khoury GY; Hingtgen WL; Hitchon PJ; Franken EA Jr. *Radiographics* 1987; 7: 395
- general case of the day: annual meeting, 1986.
Yang CJ; Murakami J; Lu CH; Franken EA Jr. *Radiographics* 1987; 7: 609
- general case of the day: annual meeting, 1986.
Conrad GR; Loes DJ; Franken EA Jr. *Radiographics* 1987; 7: 815
- general case of the day: annual meeting, 1986.
Farmer RM; Rooholamini SA; Franken EA Jr. *Radiographics* 1987; 7: 1018
- general case of the day: annual meeting, 1986.
Crawford SC; Cornell SH; Franken EA Jr. *Radiographics* 1987; 7: 1178

- image interpretation session, Baum S; Gooding GAW; Ravin CE; Stewart ET; Weissman BN; Reuter SR, *Radiographics* 1986; 6: 925
- lymphoma, melanoma, colon cancer: diagnosis and treatment with radiolabeled monoclonal antibodies. the 1986 Eugene P. Fendergrass New Horizons Lecture, Larson SM, *Radiology* 1987; 165: 297
- pediatric case of the day: annual meeting, 1986, Towbin RB; Ball WS Jr; Kaufman RA, *Radiographics* 1987; 7: 385
- pediatric case of the day: annual meeting, 1986, Kaufman RA; Towbin RB; Ball WS Jr, *Radiographics* 1987; 7: 597
- pediatric case of the day: annual meeting, 1986, Towbin RB; Ball WS Jr; Kaufman RA, *Radiographics* 1987; 7: 818
- pediatric case of the day: annual meeting, 1986, Kaufman RA; Towbin RB; Ball WS Jr, *Radiographics* 1987; 7: 1021
- pediatric case of the day: annual meeting, 1986, Ball WS Jr; Towbin RB; Kaufman RA, *Radiographics* 1987; 7: 1181
- pediatric case of the day: annual meeting, 1986, Ball WS; Towbin RB; Kaufman RA, *Radiographics* 1988; 8: 191
- president's address: caring for the major trauma victim: role for radiology, McCort JJ, *Radiology* 1987; 163: 1
- Radiological Society of North America, 72nd scientific assembly and annual meeting: masters' film interpretation session, Elkin M; Dodd GD; Heitzman ER; Martel W; Pollack HM; Kirkpatrick JA, *Radiographics* 1987; 7: 465
- Radiological Society of North America, seventy-second scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, McCort JJ, *Radiology* 1986; 160: 565
- scientific exhibits: the great communicator, Earnest F IV, *Radiographics* 1986; 6: 319
- ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Aufrechtig D; Cohen AJ; Harrison L; Miller EI; Crade M, *Radiographics* 1987; 7: 389
- ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Pais MJ; Aufrechtig D; Cohen AJ, *Radiographics* 1987; 7: 600
- ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Miller EI; Aufrechtig D; Pais MJ; Cohen AJ, *Radiographics* 1987; 7: 822
- ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Pais MJ; Cohen AJ; Aufrechtig D, *Radiographics* 1987; 7: 1183
- Radiological Society of North America, 73rd scientific assembly and annual meeting**
- abdominal-gastrointestinal radiology, RSNA '87 meeting notes, Moss AA; Baron RL; Balfe DM, *Radiology* 1988; 166: 595
- all-star sports medicine film panel, Rogers LF; Braunstein EM; DeSmet AA; Helms CA; Pavlov H; Suker JR; Torg JS, *Radiographics* 1987; 7: 1187
- all-star sports medicine film panel, Rogers LF; Braunstein EM; Pavlov H; De Smet AA; Suker JR; Helms CA; Torg JS, *Radiographics* 1988; 8: 235
- award winning Scientific Exhibits—1987, Tuddenham WJ, *Radiographics* 1988; 8: 299
- breast imaging, RSNA '87 meeting notes, Sickles EA; Kopans DB; Ackerman LV, *Radiology* 1988; 166: 597
- cardiac radiology: RSNA '87 meeting notes, Soulen RL; Baron MG; Gomes AS; Levin DC; Youker JE, *Radiology* 1988; 166: 920
- cardiovascular/interventional radiology, RSNA '87 meeting notes, Hunter DW; Baum S; Becker GJ; Casarella WJ; Cragg AH; Darcy MD; Kopecky K; Smith TP, *Radiology* 1988; 166: 608
- computer applications and digital imaging: RSNA '87 meeting notes, Arenson RL; Dwyer SJ III; Jost RG, *Radiology* 1988; 166: 925
- editor's page: a new record!, Siegelman SS, *Radiology* 1988; 167: 110
- editor's page: the 73rd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Tuddenham WJ, *Radiographics* 1988; 8: 5
- general case of the day: annual meeting, 1987, Tisnado J; Cook DE; Cho SR; Bezirdjian D, *Radiographics* 1988; 8: 181
- general case of the day: annual meeting, 1987, Turner MA, *Radiographics* 1988; 8: 350
- general case of the day: annual meeting, 1987, Jensen ME; Gulati AN; Laine FJ, *Radiographics* 1988; 8: 578
- general case of the day: annual meeting, 1987, Conway WF; Hayes CW, *Radiographics* 1988; 8: 818
- general case of the day: annual meeting, 1987, Neal MP Jr, *Radiographics* 1988; 8: 993
- general case of the day: annual meeting, 1987, Jolles H; Henry DA; Rupp SB, *Radiographics* 1988; 8: 1227
- genitourinary radiology, RSNA '87 meeting notes, Dunnick NR; Bettmann MA; Foley WD; Lang E; McClellan BL; Newhouse JH; Rifkin MD, *Radiology* 1988; 166: 601
- head and neck radiology, RSNA '87 meeting notes, Som PM; Curtin HD; Hanafey WN, *Radiology* 1988; 166: 604
- image interpretation session, Vydareny KH; Brower AC; Federle MP; Kirks DR; McLoud TC; Sackett JF, *Radiographics* 1987; 7: 1129
- image interpretation session, Vydareny KH; Brower AC; Kirks DR; Federle MP; McLoud TC; Sackett JF, *Radiographics* 1988; 8: 55
- magnetic resonance, RSNA '87 meeting notes, Bryan RN; Brant-Zawadzki M; Lee JKT, *Radiology* 1988; 166: 613
- musculoskeletal radiology: RSNA '87 meeting notes, Murphy WA Jr; Freiburger RH; Vogler JB III, *Radiology* 1988; 166: 922
- neuroradiology, RSNA '87 meeting notes, Kieffer SA; Segall HD; Modic MT; Drayer BP, *Radiology* 1988; 166: 604
- nuclear medicine, RSNA '87 meeting notes, Siegel BA; Alderson PO; Brown ML; Mettler FA Jr; Miller TR, *Radiology* 1988; 166: 615
- oncology/radiation therapy: RSNA '87 meeting notes, Sagerman RH, *Radiology* 1988; 166: 926
- pediatric case of the day: annual meeting, 1987, Han BK; Towbin RB; Ball WS Jr, *Radiographics* 1988; 8: 354
- pediatric case of the day: annual meeting, 1987, Towbin RB; Ball WS Jr; Witte DP; Han BK, *Radiographics* 1988; 8: 573
- pediatric case of the day: annual meeting, 1987, Han BK; Towbin RB; Ball WS Jr, *Radiographics* 1988; 8: 813
- pediatric case of the day: annual meeting, 1987, Kaufman RA; Ball WS Jr; Han BK; Towbin RB, *Radiographics* 1988; 8: 997
- pediatric case of the day: annual meeting, 1987, Towbin RB; Benton C; Ball WS Jr; Han BK, *Radiographics* 1988; 8: 1221
- pediatric radiology, RSNA '87 meeting notes, Baker DH; Griscom NT; Miller JH; Slovis TL, *Radiology* 1988; 166: 601
- Radiological Society of North America, 73rd scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Buenger RE, *Radiology* 1987; 164: 581
- RSNA '87 meeting notes, *Radiology* 1988; 166: 917
- technical exhibits: RSNA '87 meeting notes, Gray JE; Barnes GT; Morin RL; Yester MV; Chakraborty DP, *Radiology* 1988; 166: 927
- thoracic radiology: RSNA '87 meeting notes, Greene R; Levitt RG; Miller WT; Anderson DJ; Gelfer WB; Glazer HS; Jost RG; Molina PL; Oestmann JW; Sagel S; Stark P; Steiner R, *Radiology* 1988; 166: 920
- ultrasonography: RSNA '87 meeting notes, Merritt CRB; Filly RA; Lawson TL, *Radiology* 1988; 166: 924
- ultrasound case of the day: annual meeting, 1987, Sandler MA; Kellman GM; Madrazo BL; Beute GH; Keigley BA; Riga PM; Berger JA, *Radiographics* 1988; 8: 358
- ultrasound case of the day: annual meeting, 1987, Sandler MA; Katz ME; Madrazo BL; Beute GH; Keigley BA; Riga PM; Berger JA; Kellman GM, *Radiographics* 1988; 8: 585
- ultrasound case of the day, annual meeting, 1987, Sandler MA; Kellman GM; Madrazo BL; Katz ME; Beute GH; Keigley BA; Riga PM; Berger JA, *Radiographics* 1988; 8: 1216
- Radiological Society of North America, 74th scientific assembly and annual meeting**
- image interpretation session, Ferris EJ; Harmon BH; Becker GJ; Edeiken BS; Osborn AG; Pfister RC; Tonkin IL, *Radiographics* 1988; 8: 1001
- Radiological Society of North America, 74th scientific assembly and annual meeting, McCormick Place, Chicago, Illinois, Jones MD, *Radiology* 1988; 168: 576
- scientific exhibits: a note from the committee chairman, Proto AV, *Radiographics* 1988; 8: 830
- Radiology and radiologists**
- 1986 Association of Residents in Radiation Oncology survey, Meredith RF; Eisert DR, *Int J Radiat Oncol Biol Phys* 1987; 13: 1893
- abused "silhouette", Jackson H, *Radiology* 1988; 169: 578
- abused "silhouette": reply, Arnold RE, *Radiology* 1988; 169: 578
- academic urology: the future, Hartman GW; McClellan BL; Pfister RC, *Radiology* 1986; 158: 559
- accreditation of graduate medical education in radiology: historic perspectives, Fendergrass HP; Brady LW Jr; Weinlander JR, *Invest Radiol* 1986; 21: 812
- advancement of women in academic radiology, Whitley NO; Evens RG; Moody MA; et al, *Invest Radiol* 1987; 22: 431
- advances in imaging technology and their impact on medicine: Mackenzie Davidson Memorial Lecture, April 1986, Margulis AR; Shea WJ Jr, *Br J Radiol* 1986; 59: 309
- AIDS awareness in the conduct of radiologic procedures: guidelines to safe practice, Heller KM; Horev G; Kirchner SG; Schaffner W, *Radiology* 1988; 166: 563
- algorithms in radiology and medical imaging, Athanasoulis CA; Lee AK, *Radiology* 1987; 164: 565
- Anderson-Stuart lecture 1985: present and future role of medical imaging, Margulis AR; Shea WJ Jr, *Australas Radiol* 1987; 31: 6
- are we taught how to use a radiology department as medical students?, Cozens NJA, *Clin Radiol* 1987; 38: 137
- armchair research and the practicing radiologist, Felson B, *AJR* 1986; 147: 881
- AUR subspecialty recognition survey: response, Robinson AE, *Invest Radiol* 1987; 22: 429
- balance between creativity and anatomic correlation in image interpretation, Drayer BP, *Radiology* 1988; 166: 214
- beer company more ethical than medical community?, Forrest JV; Lasser EC, *Radiology* 1988; 166: 901
- breast cancer screening: underuse of mammography, Williams JC, *Radiology* 1986; 159: 566
- case for a clinical year prior to radiology residency, Ravin CE, *Invest Radiol* 1986; 21: 287
- change, challenge and responsibility in medicine, Walton J, *Clin Radiol* 1986; 37: 1
- changes in CT utilization between 1981 and 1984: implications for Medicare payment for MR imaging under the prospective payment system, Steinberg EP; Anderson GF; Steinwachs DM, *Radiology* 1987; 165: 279
- clinicians' appraisal of sonography, Raptopoulos V; Goldberg RJ; Smith EH; Ellison RC, *Radiology* 1987; 165: 237
- coauthorship in radiology journals, Chew FS, *AJR* 1988; 150: 23
- communicating the significance of radiologic test results: likelihood ratio, Black WC; Armstrong P, *AJR* 1986; 147: 1313
- comparison of diagnostic radiology practice and patient exposure in Britain, France and Italy, Contento G; Malian MR; Padovani R; et al, *Br J Radiol* 1988; 61: 143
- comparison of lecture and case presentation formats for teaching radiology to residents, Smith WL; Berbaum K; Franken EA Jr; et al, *Invest Radiol* 1986; 21: 285

- computer-aided design and realization of scientific exhibits in radiology, Chew FS; Hefner ML, AJR 1987; 149: 195
- costing imaging procedures, Bretland PM, Br J Radiol 1988; 61: 54
- critical analysis of radiologist-patient interaction, Morris KJ; Tarico VS; Smith WL; Altmaier EM; Franken EA Jr, Radiology 1987; 163: 565
- critique of the concept of MRI centers, James AE Jr; Partain CL; Hamilton RJ; et al, Magn Res Imag 1987; 5: 71
- current and future policies regarding laboratory animal welfare, Rozmiarek H, Invest Radiol 1987; 22: 175
- current state of residency and fellowship training programs in pulmonary and cardiac radiology, Steiner RM; Rockoff SD; Stitik FP; et al, AJR 1987; 148: 1081
- curriculum topics in radiology education, Smith WL; Kathol M; Franken EA Jr; et al, Invest Radiol 1987; 22: 521
- danger ahead?, Fischer HW, Radiology 1988; 169: 267
- diagnostic radiology: usage and trends in the United States, 1964-1980, Mettler FA Jr, Radiology 1987; 162: 263
- diagnostic radiology usage in ambulatory and hospital care, Radecki SE, Radiology 1988; 167: 857
- disposition of the resident unsuited for the discipline of diagnostic radiology, Heller RM; Chapman JE; Dike DH; et al, Invest Radiol 1987; 22: 427
- editor's page: a new record!, Siegelman SS, Radiology 1988; 167: 110
- editor's page: how intransigent can one be?, Tuddenham WJ, Radiographics 1986; 6: 349
- editor's page: how to avoid a pitfall, Tuddenham WJ, Radiographics 1987; 7: 840
- educational objectives for diagnostic radiology residency training, Howland WJ; Marler D; Bosshart D, Invest Radiol 1986; 21: 932
- effects of introducing balloon dilatation into vascular surgical practice, Jeans WD; Danton RM; Baird RN; et al, Br J Radiol 1986; 59: 457
- efficacy lesson for medical radiologists from our dental colleagues, Evens RG, Radiology 1987; 162: 873
- establishing efficacy through consensus conferences, Doppman JL, Radiology 1986; 161: 566
- excellence of performance: leadership and managerial skill improvement opportunities for radiology chairmen, Gooding CA, Invest Radiol 1986; 21: 881
- experience with an alternative curriculum, Sullivan DC; Efficann EL; Chen JT, Invest Radiol 1987; 22: 246
- extending the search pattern in computed tomography, Albertyn LE, Clin Radiol 1987; 38: 145
- feeding tubes that pierce the lung: a case study in risk prevention and quality assurance, Wheeler PS, Radiology 1987; 165: 861
- fifth year undergraduate radiology teaching programme at the Queen Elizabeth Hospital, Albertyn LE; Davies GT; Newble DI; et al, Australas Radiol 1987; 31: 232
- fourth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, Radiology 1988; 168: 869
- fraud in radiologic research, Friedman PJ, AJR 1988; 150: 27
- future advances and directions in imaging research, Robb WL, AJR 1988; 150: 39
- gaining insight: improved images enhance understanding, Seltzer SE; Judy PF, Radiographics 1987; 7: 1221
- grantsmanship: report on the conjoint committee workshop, Maynard CD, Invest Radiol 1986; 21: 939
- guidelines for writing multiple-choice questions in radiology courses, Vydeny KH; Blane CE; Calhoun JC, Invest Radiol 1986; 21: 871
- health technology assessment: problems and challenges, Abrams HL; Hessel S, AJR 1987; 149: 1127
- how research becomes knowledge in radiology: an analysis of citations to published papers, Chew FS; Relyea-Chew A, AJR 1988; 150: 31
- how the NIH processes a grant application: implications for radiology, Bragg DG, Invest Radiol 1987; 22: 66
- impact of focused instruction on learning mammography, Fajardo LL; Hillman BJ; Hunter TB; et al, Invest Radiol 1987; 22: 990
- impact of low-cost mammography screening on nearby mammography practices, Sickles EA, Radiology 1988; 168: 59
- impact of new imaging technology on health care, research, and teaching: an international symposium, Figley MM; Margulis AR, AJR 1987; 149: 1111
- inadvertent tracheobronchial placement of feeding tubes, Zeiss J; Woldenberg LS, Radiology 1988; 169: 874
- incorporating radiology technologists into the faculty of medical student clerkships in radiology: the technical aspects workshop, Bluth EL, Invest Radiol 1987; 22: 343
- induced costs of low-cost screening mammography, Cyrak D, Radiology 1988; 168: 661
- influence of federal and state regulations on the acquisition and operation by hospitals of magnetic resonance imaging scanners, Bartlett SW, Cardiovasc Intervent Radiol 1986; 8: 394
- information explosion in radiology, Miller JDR; Starr L, J Canad Assoc Radiol 1988; 39: 33
- information integration for the imaging specialist, Shannon RH, Radiol Clin North Am 1986; 24: 121
- interventional radiology: challenges and initiatives, Becker GJ, Radiology 1986; 161: 562
- interventional radiology: reflections and expectations, the 1985 Eugene P. Pendergrass New Horizons Lecture, White RI Jr, Radiology 1987; 162: 593
- interventional radiology: we can't have it both ways, White RI Jr, Radiology 1986; 161: 565
- intraoperative US, Shawker TH; Doppman JL, Radiology 1988; 166: 568
- journal publications in radiology education: a review of the literature, 1966-1986, Calhoun JC; Vydeny KH; Ten Haken JD; et al, Invest Radiol 1988; 23: 62
- legal and ethical choices in a technologic discipline: imaging centers, DRGs, and the radiologist, James AE Jr; Greeson T; Price RR; et al, Invest Radiol 1986; 21: 746
- legal and ethical issues in a technologic discipline: agency relationship, James AE Jr; Greeson T; Price RR; et al, Invest Radiol 1986; 21: 815
- legal and ethical issues in a technologic discipline: new times, new choices, James AE Jr; Greeson T; Price RR; et al, Invest Radiol 1986; 21: 673
- let your patient be your guide, Rider WD, Int J Radiat Oncol Biol Phys 1987; 13: 1285
- malpractice and radiologists, update 1986: 11.5-year perspective, Berlin L, AJR 1986; 147: 1291
- mammogram interpretation by physician assistants, Hillman BJ; Fajardo LL; Hunter TB; et al, AJR 1987; 149: 907
- mammography screening and the self-referred woman, Sickles EA, Radiology 1988; 166: 271
- manpower crisis facing radiation oncology, Davis LW; Cox J; Diamond J; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1873
- medical malpractice in diagnostic radiology: claims, compensation, and patient injury, Hamer MM; Morlock F; Foley HT; Ros PR, Radiology 1987; 164: 263
- medical student education: practical approach to radiology, Pope TL Jr, Invest Radiol 1986; 21: 592
- new challenge to radiologists, Levin DC, Radiology 1988; 169: 855
- on the work of the radiologist—separation of image capture from image display, Balter S, Acta Radiol 1988; 29: 257
- opportunity ahead, Arenson RL, Radiology 1988; 169: 267
- out-of-hours radiology: a suitable case for audit?, Charny MC; Roberts GM; Roberts CJ, Br J Radiol 1987; 60: 553
- overview of informed consent for radiologists, Reuter SR, AJR 1987; 148: 219
- pain and discomfort: how to recognize and manage pain associated with animal research, Spinelli JS; Morrish RH, Invest Radiol 1987; 22: 348
- Palma stent: a possible technique for prevention of postangioplasty stenosis, Levin DC, Radiology 1988; 168: 873
- patient attitudes to body computed tomography: use of an information leaflet, Merrill CR; Knox AM, Clin Radiol 1986; 37: 537
- perioperative US, Hall FM; McCordle CR, Radiology 1988; 168: 286
- personalized data management for the radiologist, Uri DS; Wall SD, AJR 1988; 150: 1415
- postgraduate training in radiation oncology in the United States, 1986, Cox JD; Flynn DF; Pittman DD; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1383
- preoperative chest radiography, Mann H, Radiology 1988; 167: 282
- preoperative chest radiography: reply, Mendelson DS; Rabinowitz JG, Radiology 1988; 167: 282
- preoperative chest radiography: value as a baseline examination for comparison, Mendelson DS; Khilnani N; Wagner LD; Rabinowitz JG, Radiology 1987; 165: 341
- preparing a grant proposal, Adelstein SJ, Invest Radiol 1987; 22: 250
- proposal regarding post-residency education in radiology subspecialties, Invest Radiol 1987; 22: 935
- radiation exposure: responsibilities of the radiologist, Loken MK, Invest Radiol 1988; 23: 317
- radiation therapy oncology group—1987, Brady LW, Int J Radiat Oncol Biol Phys 1988; 15: 537
- radiation therapy oncology group: an outline of clinical research activities, Brady LW; Kramer S; Wasserman TH; et al, Int J Radiat Oncol Biol Phys 1988; 14: 53
- radiologists' roles in mammography, Guinno LA; Tirone GM; Clarke PG, Radiology 1988; 169: 873
- radiologists' roles in mammography: reply, Logan WW, Radiology 1988; 169: 873
- radiology in developing countries: a survey of radiological resources in the South Pacific Islands (presented to the 36th RACR Annual General Meeting in Brisbane, October 1985), Baddeley H; Saltzman GF, Australas Radiol 1987; 31: 228
- radiology malpractice lawsuits: California jury verdicts, Spring DB; Tennenhouse DJ, Radiology 1986; 159: 811
- Radiology Outreach Foundation, Gooding CA, Radiology 1988; 169: 279
- radiology reporting: attitudes of referring physicians, Clinger NJ; Hunter TB; Hillman BJ, Radiology 1988; 169: 825
- radiology residency training programs: current status, Dunnick NR, Radiology 1988; 169: 549
- report of AAMC task force on residency transition, James AE Jr, Invest Radiol 1987; 22: 613
- research by pediatric radiologists—past accomplishments and future opportunities, Efficann EL, Pediatr Radiol 1987; 17: 355
- research protocol design and laboratory animal research, Rowan AN, Invest Radiol 1987; 22: 615
- research protocol review for animal welfare, Orlans FB, Invest Radiol 1987; 22: 253
- residencies in diagnostic radiology and perception of residents: 1987 A-CR2 survey, Getz TA; Evens RG, Invest Radiol 1988; 23: 308
- resident performance evaluation, Cuttino JT Jr; Scatliff JH, Invest Radiol 1987; 22: 986
- resident perspective on the radiology residency: critical incident technique, Tarico VS; Altmaier EM; Smith WL; et al, Invest Radiol 1986; 21: 877
- results of the RSNA Today subscriber survey, Curto TL, Radiology 1988; 168: 870
- revised glossary of MR terms, Axel L, Radiology 1987; 162: 874
- rights, roles, and relationships in radiology, Schreiber MH; Winslade WJ, Radiology 1987; 163: 269
- rights, roles, and relationships in radiology, Jackson FI, Radiology 1987; 165: 288

- rights, roles, and relationships in radiology. Hopper KD. *Radiology* 1987; 165: 288
- rights, roles, and relationships in radiology. Logan WW. *Radiology* 1988; 167: 580
- rights, roles, and relationships in radiology: reply. Schreiber MH; Winslade WJ. *Radiology* 1987; 165: 289
- role of artificial intelligence in medical imaging. Zientara GP. *Invest Radiol* 1988; 23: 68
- role of medical imaging in the practice of neuro-ophthalmology. Rubinfeld M; Wirtschaffter JD. *Radiol Clin North Am* 1987; 25: 863
- role of the neuroradiologist in vascular disorders involving the orbit. Tan WS; Wilbur AC; Mafee MF. *Radiol Clin North Am* 1987; 25: 849
- RSNA international visiting professor. Cockshott WP. *Radiology* 1988; 166: 900
- scientific literature in diagnostic radiology for American readers: survey and analysis of journals, papers, and authors. Chew FS. *AJR* 1986; 147: 1055
- scientific presentations: what to do and what not to do. Thompson WM; Mitchell RL; Halvorsen RA Jr; et al. *Invest Radiol* 1987; 22: 244
- seeing things more clearly. Higson GR. *Br J Radiol* 1987; 60: 1049
- self-referred mammography patient: a new responsibility for radiologists. Monsees B; Destouet JM; Evens RG. *Radiology* 1988; 166: 69
- serpentine (not seriginous) vessels in spinal arteriovenous malformations. Di Chiro G. *Radiology* 1988; 166: 286
- serpentine (not seriginous) vessels in spinal arteriovenous malformations: reply. Arnold RE. *Radiology* 1988; 166: 286
- simple apparatus to avoid inadvertent needle puncture. vanSonnenberg E; Casola G; Maysey M. *Radiology* 1988; 166: 550
- Society for Pediatric Radiology: 30 years later. Kirks DR. *AJR* 1988; 151: 151
- Society of Cardiovascular and Interventional Radiology: credentials criteria for peripheral, renal, and visceral percutaneous transluminal angioplasty. Waltman AC; Katzen BT; Ring EJ; Martin EC; Sos TA; Tegtmeyer CJ. *Radiology* 1988; 167: 452
- socioeconomic and ethical issues in medicine: toward understanding and dialogue. Heitzman ER; Buenger RE. *Radiology* 1986; 159: 282
- status of osteoradiology fellowship training in the United States. Resnick D; Sartoris DJ. *AJR* 1987; 149: 973
- subspecialization in radiology: response to a need. Taveras JM. *AJR* 1987; 148: 465
- tentative diagnoses facilitate the detection of diverse lesions in chest radiographs. Berbaum KS; Franken EA Jr; Dorfman DD; et al. *Invest Radiol* 1986; 21: 532
- testing as a teaching tool. Curtis DJ; Riordan DD; Brower AC; et al. *Invest Radiol* 1988; 23: 151
- towards 2000: the radiology business. Mountford G. *Br J Radiol* 1988; 61: 794
- training programs for researchers using animals. Simmonds RC. *Invest Radiol* 1987; 22: 756
- transrectal US of the prostate: is the technology leading the science? McClennan BL. *Radiology* 1988; 168: 571
- undergraduate training in radiology. Bloomfield JA. *Australas Radiol* 1987; 31: 14
- uniform acceptance date for resident recruitment. Cuttino JT Jr; Scatliff JH. *Invest Radiol* 1986; 21: 170
- usage of diagnostic imaging procedures: nationwide hospital study. Bunge RE; Herman CL. *Radiology* 1987; 163: 569
- using animals in research: what's going on here? Low FM. *Invest Radiol* 1987; 22: 69
- value of imaging technology to patients' health. Hillman BJ. *AJR* 1988; 150: 1191
- Whither general radiology? Cuttino JT Jr. *Invest Radiol* 1987; 22: 916
- who should blow up balloons in arteries. Williams GM. *Radiology* 1988; 169: 857
- women in medicine: radiologist's perspective. Gooding GAW. *Invest Radiol* 1986; 21: 496
- women in radiology. Evens RG. *Radiology* 1987; 164: 282
- Radiology and radiologists, departmental management**
- automated management of screening and diagnostic mammography. Haug PJ; Tocino IM; Clayton PD; Bair TL. *Radiology* 1987; 164: 747
- automation of film library functions. Busman RA. *Radiol Clin North Am* 1986; 24: 11
- building a winning team: risk management for the radiologist's employees. Smith JP. *AJR* 1988; 151: 255
- clinical evaluation of a medical image management system for chest images. Arenson RL; Seshadri SB; Kundel HL; et al. *AJR* 1988; 150: 55
- computer-assisted scheduling of radiologists. Reinus WR; Totty WG. *AJR* 1986; 147: 203
- computer-assisted scheduling of radiology resident call. Larson TC III; Larson SL; Harle TS. *Invest Radiol* 1986; 21: 424
- contrast medium—induced adverse reactions: economic outcome. Powe NR; Steinberg EP; Erickson JE; Moore RD; Smith CR; White RI Jr; Brinker JA; Fishman EK; Zinreich SJ; Kinnison ML; Anderson GF. *Radiology* 1988; 169: 163
- danger ahead? Fischer HW. *Radiology* 1988; 169: 267
- determinants of acquisition of MR imaging units in an era of prospective payment. Steinberg EP; Stason WB; diMonda R; Schroeder SA. *Radiology* 1988; 168: 265
- development and use of a computer system in a radiotherapy department: SISGRAD. Costa A; Lallane C-M; Marcié S; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1949
- diffusion of MRI: patterns of siting and ownership in an era of changing incentives. Hillman AL; Schwartz JS. *AJR* 1986; 146: 963
- digital image management: networking, display, and archiving. Cox GG; Templeton AW; Dwyer SJ III. *Radiol Clin North Am* 1986; 24: 37
- digital image management networks: current status. Templeton AW; Cox GG; Dwyer SJ III. *Radiology* 1988; 169: 193
- economic and utilization analysis of MR imaging units in the United States in 1987. Evens RG; Evens RG Jr. *Radiology* 1988; 166: 27
- effect of a digital imaging network on physician behavior in an intensive care unit. De Simone DN; Kundel HL; Arenson RL; Seshadri SB; Brikman IS; Khalsa SS; Davey MJ; Brisson NE. *Radiology* 1988; 169: 41
- estimating digital information throughput rates for radiology networks: model. Cox GG; Templeton AW; Anderson WH; et al. *Invest Radiol* 1986; 21: 162
- excellence of performance: leadership and managerial skill improvement opportunities for radiology chairmen. Gooding CA. *Invest Radiol* 1986; 21: 881
- experience with the first cassetteless radiology department. Don C. *AJR* 1987; 149: 1069
- extracorporeal shock wave lithotripsy: impact on the radiology department of a stone treatment center. Cochran ST; Barbaric ZL; Mindell HJ; Chaussy CD; Fuchs GJ; Lupu AN. *Radiology* 1987; 163: 655
- imaging research laboratory: rationale for sharing of equipment. Fischer HW; Morris TW. *Invest Radiol* 1987; 22: 71
- improved financial management of the radiology department with a microcosting system. Arenson RL; van der Voorde F; Stevens JF. *Radiology* 1988; 166: 255
- influence on patient management of general practitioner direct access to radiological services. Barton E; Gallagher S; Flower CDR; et al. *Br J Radiol* 1987; 60: 893
- issues for negotiation by prospective chairmen of academic radiology departments. Levin DC. *Invest Radiol* 1988; 23: 400
- low-osmolality contrast media: good news or bad? Evens RG. *Radiology* 1988; 169: 277
- Medicare amendments change teaching hospital reimbursement. Linton OW. *Radiology* 1986; 161: 567
- monitoring department efficiency and quality. Jost RG. *Radiol Clin North Am* 1986; 24: 27
- office automation. Arenson RL. *Radiol Clin North Am* 1986; 24: 87
- opportunity ahead. Arenson RL. *Radiology* 1988; 169: 267
- organizing for radiologic efficiency in a DRG environment. Henschke C; Balter S; Whalen J; et al. *Invest Radiol* 1988; 23: 321
- paperless radiology department. De Campo JF; Boldt DW. *Australas Radiol* 1988; 32: 122
- personal computers: their use in a low-volume imaging department. Henry RE. *AJR* 1986; 146: 1302
- productivity standards for technologists: how to use them. Janower ML. *Radiology* 1988; 166: 276
- protocol for verifying truth of diagnosis: preliminary report. Ker M; Seelye CW; Stempki MO; et al. *Invest Radiol* 1988; 23: 485
- radiologic consultation: its application to an acute care surgical ward. Baker SR; Stein HD. *AJR* 1986; 147: 637
- radiology department management system: technologists' costs. Janower ML. *Radiology* 1986; 159: 566
- radiology department management system: technologists' costs: reply. McNeil BJ. *Radiology* 1986; 159: 566
- radiology reporting. Jost RG. *Radiol Clin North Am* 1986; 24: 19
- radiology work-load measurements reflecting variables specific to hospital, patient, and examination: results of a collaborative study. Triolimi MG; Boswell SB; Johnson SK; McNeil BJ. *Radiology* 1988; 166: 247
- registration and scheduling processes. Bauman RA. *Radiol Clin North Am* 1986; 24: 5
- simulator model of a department of diagnostic radiology. Kaukiainen M; Spring E; Wag E. *Acta Radiol* 1986; 27: 71
- some applications for a personal computer data-base system in radiology. Sommer FG. *AJR* 1986; 147: 1075
- state of radiographic technique in the examination of the colon: a survey in 1987. Thoeni RF; Margulis AR. *Radiology* 1988; 167: 7
- streamlining operation of an admitting service for interventional radiology. White RI Jr; Rizer DM; Shuman KR; White EJ; Adams PE; Kinnison ML; Mitchell SE; Osterman FA Jr. *Radiology* 1988; 168: 127
- systems components for consideration in purchasing an NMR imager. Droege RT; Ekstrand KE; Coffey CW II. *Radiographics* 1986; 6: 154
- teaching file program for use in an ultrasound department. Garra BS; Kurtz D; Shawker TH; et al. *J Ultrasound Med* 1986; 5: 313
- technique for making teaching file films. DeMocker JC; Graham D. *J Ultrasound Med* 1986; 5: 601
- teleradiology. Gitlin JN. *Radiol Clin North Am* 1986; 24: 55
- toward automated image analysis: future possibilities in historical perspective. Ackerman L. *Radiol Clin North Am* 1986; 24: 79
- value of a worksheet in reporting body-CT examinations. Kinard RE; Orrison WW; Brodgon BG. *AJR* 1986; 147: 848
- visual perception and image display terminals. Kundel HL. *Radiol Clin North Am* 1986; 24: 69
- Radiology and radiologists, design of radiological facilities**
- considerations in the purchase of a nuclear medicine computer system. Graham MM; Links JM; Lewellen TK; et al. *J Nucl Med* 1988; 29: 717
- importance of appropriate suite designs in the era of computerized imaging. Williams CO; Groce KA. *Radiol Clin North Am* 1986; 24: 337
- issues for negotiation by prospective chairmen of academic radiology departments. Levin DC. *Invest Radiol* 1988; 23: 400
- microcomputer patient database management system for an MRI facility. Holshouser BA; Bradley WG Jr. *AJR* 1986; 146: 871

Radiology and radiologists, design of radiological facilities

- multimodality projection console for the radiology conference room, Delany DJ; Scatfield JH; Thompson BG, *Invest Radiol* 1987; 22: 336
- personal computer needs for the radiologist, Newell JD; Hunter TB, *Invest Radiol* 1986; 21: 167
- practical and technical considerations in establishing an intraoperative radiation therapy program in the community practice, Wolkow HB; Chenery SG; Asche DK; McPeck EC; Hanks GE; Holmes TW, *Radiology* 1988; 168: 255
- site planning for clinical NMR systems, Hack SN; Hammer BE, *Magn Res Imag* 1986; 4: 525
- total digital radiology department: spatial resolution requirements, Seeley GW; Fisher HD; Stempski MO; et al, *AJR* 1987; 148: 421
- Radiology and radiologists, history**
- about articles of judgment, Margulis AR, *Radiology* 1988; 169: 576
- advances in imaging technology and their impact on medicine: Mackenzie Davidson Memorial Lecture, April 1986, Margulis AR; Shea WJ Jr, *Br J Radiol* 1986; 59: 309
- Alfred George Fryett, radiographer, Australas Radiol Australas Radiol 1988; 32: 12
- Antoine Lacasse, del Regato JA, *Int J Radiat Oncol Biol Phys* 1986; 12: 2165
- early American radiology: pioneer years, DiSantis DJ, *AJR* 1986; 147: 850
- first steps in the development of the Doppler flowmeter, Kaneko Z, *Ultrasound Med Biol* 1986; 12: 187
- golden age: shifting spectrum. British Institute of Radiology presidential address 1985, Isherwood I, *Br J Radiol* 1986; 59: 643
- good old days with William J. Hogan, Warren SR Jr; Tondreau RL, *Radiographics* 1986; 6: 515
- Henri Coutard, del Regato JA, *Int J Radiat Oncol Biol Phys* 1987; 13: 433
- Hermann Heineke, del Regato JA, *Int J Radiat Oncol Biol Phys* 1986; 12: 997
- Hermann Holthusen, del Regato JA, *Int J Radiat Oncol Biol Phys* 1988; 14: 1271
- introduction: beginning of cardiovascular intervention using roentgen rays and image intensifier-TV-fluoroscopy, Zeitler E, *Cardiovasc Intervent Radiol* 1986; 9: 233
- James L. Weatherax: pioneer in the physics of radiology, Stanton L, *Radiographics* 1986; 6: 331
- neuroimaging and head injuries: where we've been—where we're going, Quencer RM, *AJR* 1988; 150: 13
- Radiological Society of North America: the early years, Pendergrass HP, *Radiology* 1987; 165: 354
- radiologic exploration of the gastrointestinal tract: an interdisciplinary enterprise, Brooks FP, *Radiographics* 1986; 6: 160
- radiology on postage stamps, Praestholm J; Dissing I; Herning M, *Radiographics* 1988; 8: 981
- radiology on postage stamps: part 2, Praestholm J; Dissing I; Herning M, *Radiographics* 1988; 8: 1203
- radiology—then and now, Nazinitsky KJ; Gold BM, *AJR* 1988; 151: 249
- Ralston Paterson, del Regato JA, *Int J Radiat Oncol Biol Phys* 1987; 13: 1081
- RSNA and its sister societies, Wyman SM, *Radiology* 1987; 163: 404
- Sir Brian Windeyer, del Regato JA, *Int J Radiat Oncol Biol Phys* 1988; 14: 159
- Radiology and radiologists, How I Do It**
- contemporary management of Hodgkin disease, Hoppe RT, *Radiology* 1988; 169: 297
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubesin SE; Herlinger H; Laufer I, *Radiology* 1988; 168: 593
- examination of the patient with dysphagia, Jones B; Donner MW, *Radiology* 1988; 167: 319
- intravenous urographic technique, Hattery RR; Williamson B; Hartman GW; LeRoy AJ; Witten DM, *Radiology* 1988; 167: 593
- intussusception in infants and children: diagnosis and therapy, Bisset GS III; Kirks DR, *Radiology* 1988; 168: 141
- needle endoscopy in special procedures, Cope C, *Radiology* 1988; 168: 353
- percutaneous gastrostomy, Wills JS; Oglesby JT, *Radiology* 1988; 167: 41
- Radiology and radiologists, iatrogenic injury**
- duodenal perforation during intubation for small bowel enema study, Diner WC, *Radiology* 1988; 168: 39
- gastric pneumatosis secondary to an intraluminal feeding catheter, Mandell GA; Finkelstein M, *Pediatr Radiol* 1988; 18: 418
- gastrostomy tube pancreatitis, Panicek DM; Ewing DK; Gottlieb RH; et al, *Pediatr Radiol* 1988; 18: 416
- haemorrhagic necrosis of the grey matter of the spinal cord due to accidental injection of iopamidol in a patient with multiple neurofibromas: a clinico-pathological study, Roos RAC; Voormolen JHC; Vielvoe CJ; et al, *Neuroradiol* 1988; 30: 178
- iatrogenic aneurysmal portal-hepatic venous fistula: diagnosis by color Doppler imaging, Bezi M; Mitchell DG; Needleman L; et al, *J Ultrasound Med* 1988; 7: 457
- inadvertent iatrogenic introduction of air into myometrium: sonographic demonstration, Woodruff WW III; Carroll BA, *J Ultrasound Med* 1988; 7: 49
- modified technique for duodenal intubation, Jeffrey RB Jr, *Radiology* 1988; 169: 873
- Radiology and radiologists, observer performance**
- See Diagnostic radiology, observer performance
- Radiology and radiologists, research**
- about articles of judgment, Margulis AR, *Radiology* 1988; 169: 576
- Radiology (journal)**
- abstracts of current literature, Siegelman SS, *Radiology* 1987; 162: 584
- abstracts of current literature 1987, Siegelman SS, *Radiology* 1988; 166: 80
- advice to authors, Siegelman SS, *Radiology* 1988; 166: 278
- book reviewers 1987, Siegelman SS; Griffiths HJL, *Radiology* 1988; 166: 108
- editor's page: guidelines for authors: how to check and mark galleys, Lang DB, *Radiology* 1988; 168: 62
- editor's page: on growth, Stewart DA, *Radiology* 1988; 167: 742
- editor's page: tabula rasa, Siegelman SS, *Radiology* 1988; 167: 414
- editor's page: the cat's meow: the most frequently cited papers in *Radiology* 1955–1986, Siegelman SS, *Radiology* 1988; 168: 414
- editor's page: the Christmas rush: an analysis of RSNA meeting papers, Curto TL; Siegelman SS, *Radiology* 1988; 169: 86
- editor's page: the paper route, Siegelman SS, *Radiology* 1988; 168: 632
- Editor's Recognition Awards, Siegelman SS, *Radiology* 1987; 162: 269
- Editor's Recognition Awards, Siegelman SS, *Radiology* 1988; 166: 48
- guidelines for reviewers of *Radiology*, Siegelman SS, *Radiology* 1988; 166: 360
- manuscript processing at the RSNA publications office, Arnold RE, *Radiology* 1986; 158: 267
- note of thanks, McCort JJ; Siegelman SS, *Radiology* 1986; 161: 845
- note of thanks, Buenger RE; Siegelman SS, *Radiology* 1987; 165: 862
- note of thanks, Jones MD; Siegelman SS, *Radiology* 1988; 169: 866
- Radiology* 1986, Siegelman SS, *Radiology* 1986; 158: 265
- summary of editor's advice to authors, Siegelman SS, *Radiology* 1988; 166: 96
- who speaks for radiology? or the threat of the throwaways, Doppman JL, *Radiology* 1988; 167: 579
- Radiology reporting systems**
- danger ahead? Fischer HW, *Radiology* 1988; 169: 267
- effect of a digital imaging network on physician behavior in an intensive care unit, De Simone DN; Kundel HL; Arenson RL; Seshadri SB; Brikan IS; Khalsa SS; Davey MJ; Brisson NE, *Radiology* 1988; 169: 41
- opportunity ahead, Arenson RL, *Radiology* 1988; 169: 267
- radiological report: what is useful for the referring physician? Lafortune M; Breton G; Baudouin J-L, *J Canad Assoc Radiol* 1988; 39: 140
- radiology reporting: attitudes of referring physicians, Clinger NJ; Hunter TB; Hillman BJ, *Radiology* 1988; 169: 825
- radiology reports: assessment of a 5,000-word speech recognizer, Robbins AH; Vincent ME; Shaffer K; Maietta R; Srinivasan MK, *Radiology* 1988; 167: 853
- speech-controlled generation of radiology reports, Robbins AH; Horowitz DM; Srinivasan MK; Vincent ME; Shaffer K; Sadowsky NL; Sonnenfeld M, *Radiology* 1987; 164: 569
- voice-activated radiology reports, Dershow DD, *Radiology* 1988; 167: 284
- voice recognition system, Hansen GC; Falkenbach KH; Yaghai I, *Radiology* 1988; 169: 580
- Radionuclide imaging**
- See also under names of organs, such as Lung, radionuclide studies
- chronic osteomyelitis: bone and gallium scan patterns associated with active disease, Tumei SS; Aliabadi P; Weissman BN; McNeil BJ, *Radiology* 1986; 158: 685
- clinical decision making: dipyridamole thallium imaging, Gill JB; Miller DD; Boucher CA; et al, *J Nucl Med* 1986; 27: 132
- considerations in the purchase of a nuclear medicine computer system, Graham MM; Links JM; Lewellen TK; et al, *J Nucl Med* 1988; 29: 717
- effect of antibiotic therapy on the sensitivity of indium-111-labeled leukocyte scans, Datz FL; Thorne DA, *J Nucl Med* 1986; 27: 1849
- images of liposarcoma using technetium-99m bleomycin and technetium (V)-99m DMSA, Ohta H; Shane FI; Endo K; et al, *Clin Nucl Med* 1986; 11: 842
- misleading findings on indium-111 leukocyte images, Goodgold HM; Samuels LD, *Clin Nucl Med* 1986; 11: 392
- nuclear medicine and the environment: radiation interactions, Schmelzer RF, *Semin Nucl Med* 1986; 16: 87
- prevention of motion artifacts on dual isotope subtraction parathyroid scintigraphy, Conte FA; Orzel JA; Weiland FL; et al, *J Nucl Med* 1987; 28: 1335
- radiation safety in the nuclear medicine department: impact of the UK *Ionising Radiations Regulations*, Harding LK, *Br J Radiol* 1987; 60: 915
- sensitivity of ¹¹¹In-granulocyte scintigraphy in various local infections, Syrjäla MT; Liwendahl K; Valtanen V; et al, *Acta Radiol* 1987; 28: 549
- slow entry of radiogallium into restricted fluid compartments, Spencer RP, *Clin Nucl Med* 1988; 13: 379
- soft-tissue uptake of technetium-99m MDP in multiple myeloma, Kanoh T; Uchino H; Yamamoto I; et al, *Clin Nucl Med* 1986; 11: 878
- Radionuclide imaging, artifact**
- artificial focal lung activity with indium-111 labeled leukocytes: technical pitfall, Simerman L; Park CH; Thakur M, *Clin Nucl Med* 1986; 11: 840
- rotational artifact in phase imaging of cardiac scans: potential pitfalls in diagnosis, Lee VW; Getchell J; Foster JE; et al, *J Nucl Med* 1987; 28: 1536
- Radionuclide imaging, comparative studies**
- acute cholecystitis: diagnosis with radionuclide angiography, Colletti PM; Ralls PW; Siegel ME; Halls JM, *Radiology* 1987; 163: 615
- bone metastases in pheochromocytoma: comparative studies of efficacy of imaging, Lynn MD; Braunstein EM; Wahl RL; Shapiro B; Gross MD; Rabbani R, *Radiology* 1986; 160: 701
- carcinoid liver metastases: accuracy of radionuclide liver/spleen imaging compared to computed tomography, Halvorsen RA Jr; Wilkinson RH Jr; Feldman JM, *Clin Nucl Med* 1987; 12: 268
- evaluating and comparing imaging techniques: a review and classification of study designs, Freedman LS, *Br J Radiol* 1987; 60: 1071

- experimental infections of the musculoskeletal system: evaluation with MR imaging and Tc-99m MDP and Ga-67 scintigraphy. Beltran J; McGhee RB; Shaffer PB; Olsen JO; Bennett WF; Foster TR; McCallia MS; Iskra LA; Blagg RL; Biller DS, *Radiology* 1988; 167: 167
- general comparison of functional imaging in nuclear medicine with other modalities. Adam WE, *Semin Nucl Med* 1987; 17: 3
- hyperparathyroidism: comparison of MR imaging with radionuclide scanning. Peck WW; Higgins CB; Fisher MR; Ling M; Okerlund MD; Clark OH, *Radiology* 1987; 163: 415
- In-111-labeled leukocyte scintigraphy in suspected orthopedic prosthesis infection: comparison with other imaging modalities. Magnuson JE; Brown ML; Hauser MF; Berquist TH; Fitzgerald RH; Klee GG, *Radiology* 1988; 168: 235
- localization of parathyroid adenomas in patients who have undergone surgery. part I. noninvasive imaging methods. Miller DL; Doppman JL; Shawker TH; Krudy AG; Norton JA; Vucich JJ; Morrish KA; Marx SJ; Spiegel AM; Aurbach GD, *Radiology* 1987; 162: 133
- localization of parathyroid adenomas in patients who have undergone surgery. Winzelberg GG; Hydovitz JD, *Radiology* 1987; 163: 828
- normal and abnormal single photon emission computed tomography of the skull: comparison with planar scintigraphy. Israel O; Jerushalmi J; Frenkel A; et al, *J Nucl Med* 1988; 29: 1341
- nuclear medicine: SPECT comparisons to PET. Maurer AH, *Radiol Clin North Am* 1988; 26: 1059
- posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging. Hricak H; Terrier F; Marotti M; Engelstad BL; Filly RA; Vincenti F; Duca RM; Bretan PN Jr; Higgins CB; Feduska N, *Radiology* 1987; 162: 685
- progressive systemic sclerosis: radionuclide esophageal scintigraphy and manometry. Drane WE; Karvelis K; Johnson DA; Curran JJ; Silverman ED, *Radiology* 1986; 160: 73
- regional comparison of technetium-99m DTPA aerosol and radioactive gas ventilation (xenon and krypton) studies in patients with suspected pulmonary embolism. Ramanna L; Alderson PO; Waxman AD; et al, *J Nucl Med* 1986; 27: 1391
- role of chest radiography in predicting the extent of airway disease in patients with suspected pulmonary embolism. Smith R; Ellis K; Alderson PO, *Radiology* 1986; 159: 391
- spleen/liver ratio in RES-scintigraphy: a comparison between posterior registration and emission computed tomography. Friman L; Söderberg B, *Acta Radiol* 1987; 28: 439
- Radionuclide imaging, complications**
- human breast milk excretion of iodine-131 following diagnostic and therapeutic administration to a lactating patient with Graves' disease. Dydek GJ; Blue PW, *J Nucl Med* 1988; 29: 407
- radiation dose from radiopharmaceuticals contaminated with molybdenum-99. Shearer DR; Pezzullo JC; Moore MM; et al, *J Nucl Med* 1988; 29: 695
- radionuclide administration to nursing mothers: mathematically derived guidelines. Romney BM; Nickloff EL; Esser PD; Alderson PO, *Radiology* 1986; 160: 549
- Radionuclide imaging, computer-assisted**
- acquisition of gamma camera and physiological data by computer. Hack SN; Chang M; Line BR; et al, *J Nucl Med* 1986; 27: 1755
- automated comparison of scintigraphic images. Venot A; Liehn J-C; Lebruchec J-F; et al, *J Nucl Med* 1986; 27: 1337
- functional image data acquisition and processing. Barnes WE; Gose EE, *Semin Nucl Med* 1987; 17: 58
- gamma camera radionuclide images: improved contrast with energy-weighted acquisition. Halama JR; Henkin RE; Friend LE, *Radiology* 1988; 169: 533
- time-based multiple organ functional images. Freeman ML; Kaplan E, *Semin Nucl Med* 1987; 17: 39
- Radionuclide imaging, contrast enhancement**
- cold lesions: enhanced contrast using asymmetric photopeak windows. LaFontaine RL; Stein MA; Graham LS; Winter J, *Radiology* 1986; 160: 255
- Radionuclide imaging, dosimetry**
- absorbed dose to the fetus during bone scintigraphy. Hedrick WR; DiSimone RN; Wolf BH; Langer A, *Radiology* 1988; 168: 245
- fetal dosimetry from pulmonary imaging in pregnancy: revised estimates. Ponto JA, *Clin Nucl Med* 1986; 11: 108
- gastroesophageal scintiscanning in a pediatric population: dosimetry. Castronovo FP Jr, *J Nucl Med* 1986; 27: 1212
- In-111-labeled liposomes: dosimetry and tumor depiction. Turner AF; Present CA; Proffitt RT; Williams LE; Winsor DW; Werner JL, *Radiology* 1988; 166: 761
- Radionuclide imaging, experimental**
- accumulation of indium-111-labeled neutrophils and gallium-67 citrate in rabbit abscesses. Bitar RA; Scheffel U; Murphy PA; et al, *J Nucl Med* 1986; 27: 1883
- aged venous thrombi: radioimmunoscintigraphy with fibrin-specific monoclonal antibody. Rosebrough SF; Grossman ZD; McAfee JG; Kudryk BJ; Subramanian G; Ritter-Hrncik CA; Witkowski LS; Tillapaugh-Fay G; Urrutia E, *Radiology* 1987; 162: 575
- alternative approach to estimate lumped constant in the deoxyglucose model: simulation and validation. Matsuda H; Nakai H; Jovkar S; et al, *J Nucl Med* 1987; 28: 471
- characterization of beta-adrenoreceptors in vivo with iodine-131 pindolol and gamma scintigraphy. Hughes B; Marshall DR; Sobel BE; et al, *J Nucl Med* 1986; 27: 660
- [¹¹C]MPTP: potential tracer for Parkinson's disease research in laboratory animals. Livni E; Spellman JP; Correia JA; et al, *J Nucl Med* 1986; 27: 1600
- comparison of the biodistribution of manganese-54 DTPA and gadolinium-153 DTPA in dogs. Boudreau RJ; Burbidge S; Sirt S; et al, *J Nucl Med* 1987; 28: 349
- detection of acute gastrointestinal bleeding by intra-arterial Tc-99m sulfur colloid scintigraphy in a canine model: preliminary study. Denham JS; Becker GJ; Siddiqui AR; et al, *Invest Radiol* 1987; 22: 37
- detection of rejection of canine orthotopic cardiac allografts with indium-111 lymphocytes and gamma scintigraphy. Eisen HJ; Rosenbloom M; Leachinger JC; et al, *J Nucl Med* 1988; 29: 1223
- dual tracer autoradiographic study of β -methyl-(1-¹⁴C) heptadecanoic acid and 15-p-(¹³¹I)-iodophenyl- β -methylpentadecanoic acid in normotensive and hypertensive rats. Yamamoto K; Som P; Brill AB; et al, *J Nucl Med* 1986; 27: 1178
- effect of hypoxia on thallium kinetics in cultured chick myocardial cells. Friedman BJ; Beihn R; Friedman JP, *J Nucl Med* 1987; 28: 1453
- evaluation in dogs and humans of three potential technetium-99m myocardial perfusion agents. Gerundini P; Savi A; Gilardi MC; et al, *J Nucl Med* 1986; 27: 409
- evaluation of the lung uptake of iodine-131 HIPDM by the single-pass multiple indicator dilution technique in a rabbit model. Abrams DN; Man SFP; Noujaim AA, *J Nucl Med* 1987; 28: 487
- evaluation of the renal clearance of technetium-99m PAHIDA in dogs. Summerville DA; Packard AB; Bartynski B; et al, *J Nucl Med* 1987; 28: 907
- frostbite: experimental assessment of tissue damage using Tc-99m pyrophosphate. work in progress. Salimi Z; Wolverson MK; Herbold DR; Vas W, *Radiology* 1986; 161: 227
- imaging of lymph node uptake after intravenous administration of indium-111 metalloporphyrins. Robinson GD Jr; Alavi A; Vaum R; et al, *J Nucl Med* 1986; 27: 239
- investigations of avidin and biotin for imaging applications. Hnatowich DJ; Virzi F; Kuskowski M, *J Nucl Med* 1987; 28: 1294
- iodine-131 metaiodobenzylguanidine intra- and extravascular accumulation in the rat heart. Nakajo M; Shimabukuro K; Yoshimura H; et al, *J Nucl Med* 1986; 27: 84
- joint scintigraphy using technetium-99m pyrophosphate in experimental hemarthrosis. Salimi Z; Vas W; Restrepo G, *J Nucl Med* 1986; 27: 246
- migratory patterns of different indium-111 labeled leukocyte populations (chiefly lymphocytes) from control and thymectomized rats. Garcia AM; Gagne GM; Ames IH; et al, *J Nucl Med* 1988; 29: 83
- myocardial uptake of thallium and rubidium during alterations in perfusion and oxygenation in isolated rabbit hearts. Leppo JA, *J Nucl Med* 1987; 28: 878
- no-carrier-added fluorine-18-labeled N-methylsperidol: synthesis and biodistribution in mice. Shiue C-Y; Fowler JS; Wolf AP; et al, *J Nucl Med* 1986; 27: 226
- propranolol hydrochloride enhancement of tumor perfusion and uptake of gallium-67 in a mouse sarcoma. Bomber P; McCready R; Hammersley P, *J Nucl Med* 1986; 27: 243
- radiolabeling with organomercury compounds: part 2. high specific activity synthesis of iodine-125 and iodine-131-6-iodocholesterol-5-en-3 β -ol and its tissue distribution in rats. Flanagan RJ; Charleson FF; Synnes EL; et al, *J Nucl Med* 1986; 27: 1165
- renal tubular receptor imaging with iodine-131-labeled peanut lectin: pharmacokinetics and renal clearance mechanism in animals. Boniface GR; Suresh MR; Willans DJ; et al, *J Nucl Med* 1986; 27: 668
- separate effects of ischemia, hypoxia, and contractility on thallium-201 kinetics in rabbit myocardium. Leppo JA; Macneil PB; Moring AF; et al, *J Nucl Med* 1986; 27: 66
- technetium-99m labeling of murine monoclonal antibody fragments. Rhodes BA; Zamora PO; Newell KD; et al, *J Nucl Med* 1986; 27: 685
- thallium-201 scintigraphic quantitation of regional flow disparity and subsequent redistribution in dogs. Steingart RM; Cohen MV, *J Nucl Med* 1986; 27: 75
- Radionuclide imaging, in diagnosis of neoplasms**
- diagnostic imaging of human neuroblastoma with radiolabeled antibody. Miraldi FD; Nelson AD; Kraly C; Ellery S; Landmeier B; Coccia PF; Strandjord SE; Cheung N-KV, *Radiology* 1986; 161: 413
- In-111-labeled liposomes: dosimetry and tumor depiction. Turner AF; Present CA; Proffitt RT; Williams LE; Winsor DW; Werner JL, *Radiology* 1988; 166: 761
- scintigraphy with In-111-labeled monoclonal antitumor antibodies: kinetics, biodistribution, and tumor detection. Halpern SE; Haindl W; Beauregard J; Hagan P; Clutter M; Amos D; Merchant B; Unger M; Mongovi C; Bartholomew R; Jue R; Carlo D; Dillman R, *Radiology* 1988; 168: 529
- Radionuclide imaging, in infants and children**
- bone scintigraphy in the evaluation of children with obscure skeletal pain. (ab), ter Meulen DC; Majd M, *Radiology* 1987; 165: 591
- cerebral infarction in child abuse: diagnosis by technetium-99m methylene diphosphonate skeletal scintigraphy. Glasier CM; Seibert JJ; Williamson SL, *Clin Nucl Med* 1987; 12: 897
- gallium scan findings following multiple blood transfusions in an infant with erythroblastosis fetalis. Edeburn GF; Treves ST, *Clin Nucl Med* 1987; 12: 70
- gamut of increased whole bone activity in bone scintigraphy in children. Glasier CM; Seibert JJ; Williamson SL, *Clin Nucl Med* 1987; 12: 192
- gastroesophageal scintiscanning in a pediatric population: dosimetry. Castronovo FP Jr, *J Nucl Med* 1986; 27: 1212

- how useful is gastroesophageal reflux scintigraphy in suspected childhood aspiration? Fawcett HD; Hayden CK; Adams JC; et al. *Pediatr Radiol* 1988; 18: 311
- indium-111-labeled white blood cells: dosimetry in children. Gainey MA; Siegel JA; Smergel EM; et al. *J Nucl Med* 1988; 29: 689
- indium 111 white blood cell scanning in the pediatric population. Williamson SL; Williamson MR; Seibert JJ; et al. *Pediatr Radiol* 1986; 16: 493
- limitations in the use of indium-111-oxine-labeled leukocytes for the diagnosis of occult infection in children. Haentjens M; Piepsz A; Schell-Frederick E; et al. *Pediatr Radiol* 1987; 17: 139
- nuclear medicine in pediatric urology and nephrology. Sfakianakis ED; J Nucl Med 1988; 29: 1287
- pediatric radiology: advances and current practices. Griscom NT. *Invest Radiol* 1986; 21: 833
- quantitative evaluation of iodine-123 hippuran gamma camera renography in normal children. Carlsen O; Kvinesdal B; Nathan E. *J Nucl Med* 1986; 27: 117
- radiopharmaceutical dosage selection for pediatric nuclear medicine. Shore RM; Hendee WR. *J Nucl Med* 1986; 27: 287
- recent advances in pediatric nuclear medicine. Gainey MA; Capitanio MA. *Radiol Clin North Am* 1988; 26: 409
- reevaluation of the newborn thyroid dose from radioiodines. Hedrick WR; Milavickas LR. *J Nucl Med* 1987; 28: 1208
- role of radionuclide shunt studies in management of infants and children. Hurwitz RA; Caldwell RL; Mahony L; et al. *Clin Nucl Med* 1986; 11: 781
- scanning with iodine-131 MIBG in children with solid tumors: initial appraisal. Hadley GP; Rabe E. *J Nucl Med* 1986; 27: 620
- submandibular uptake on indium-111 leukocyte scans in children. Williamson SL; Williamson MR; Seibert JJ; et al. *Clin Nucl Med* 1987; 12: 27
- Radionuclide imaging, intraoperative**
- intraoperative osteoscintigraphy as an aid to bone biopsy. Renzoni SA; Convery FR; Ashburn W; et al. *Clin Nucl Med* 1986; 11: 619
- osteoid osteoma: localization by intraoperative magnification scintigraphy. Taylor GA; Shea N; O'Brien T; et al. *Pediatr Radiol* 1986; 16: 313
- Radionuclide imaging, physics**
- cold lesions: enhanced contrast using asymmetric photopeak windows. LaFontaine RL; Stein MA; Graham LS; Winter J. *Radiology* 1986; 160: 255
- effect of Sn(II) ion concentration and heparin on technetium-99m red blood cell labeling. Rao SA; Knobel J; Collier BD; et al. *J Nucl Med* 1986; 27: 1202
- effects of asymmetric photopeak windows on flood field uniformity and spatial resolution of scintillation cameras. Graham LS; LaFontaine RL; Stein MA. *J Nucl Med* 1986; 27: 706
- evaluation of plasma clearance by synthesis of continuous infusion: principles and use. Chonacki NJ; Thomas FD. *J Nucl Med* 1986; 27: 1611
- gamma camera radionuclide images: improved contrast with energy-weighted acquisition. Halama JR; Henkin RE; Friend LE. *Radiology* 1988; 169: 533
- inverse Monte Carlo as a unified reconstruction algorithm for ECT. Floyd CE Jr; Jaszcak RJ; Greer KL; et al. *J Nucl Med* 1986; 27: 1577
- mechanism of ionophoric transport of indium-111 cations through a lipid bilayer membrane. Choi H-O; Hwang KJ. *J Nucl Med* 1987; 28: 91
- Moiré interference in gamma camera quality assurance images. Hart GC. *J Nucl Med* 1986; 27: 820
- nonisotropic point spread function as a result of collimator design and manufacturing defects. Gillen GJ; Hilditch TE; Elliott AT. *J Nucl Med* 1988; 29: 1096
- Radionuclide imaging, quality assurance**
- Moiré interference in gamma camera quality assurance images. Hart GC. *J Nucl Med* 1986; 27: 820
- Nal(Tl) camera crystals: imaging capabilities of hydrated regions on the crystal surface. Kesztelyi-Landori S. *Radiology* 1986; 158: 823
- quality assurance and nuclear medicine: challenge of change. Friedman BL. *J Nucl Med* 1986; 27: 1366
- quality control of technetium-99m DTPA: correlation of analytic tests with in vivo protein binding in man. Russell CD; Rowell K; Scott JW. *J Nucl Med* 1986; 27: 560
- rapid, inexpensive quality control of fluorine-18 2-deoxy-2-fluoro-D-glucose preparations using the hexokinase reaction in vitro. Gately SJ; Brown SG; Thompson CM. *J Nucl Med* 1988; 29: 1443
- Radionuclide imaging, radiation dose**
- absorbed dose to the fetus during bone scintigraphy. Hedrick WR; DiSimone RN; Wolf BH; Langer A. *Radiology* 1988; 168: 245
- absorbed radiation dose in adults from iodine-131 and iodine-123 orthiodohippurate and technetium-99m DTPA renography. Carlsen O. *J Nucl Med* 1988; 29: 400
- In-111-labeled liposomes: dosimetry and tumor depiction. Turner AF; Present CA; Proffitt RT; Williams LE; Winsor DW; Werner JL. *Radiology* 1988; 166: 761
- inflammation: imaging with Tc-99m HMPAO-labeled leukocytes. Roddie ME; Peters AM; Danpure HJ; Osman S; Henderson BL; Lavender JP; Carroll MJ; Neirinx RD; Kelly JD. *Radiology* 1988; 166: 767
- miniature thermoluminescent dosimeter absorbed dose measurements in tumor phantom models. Wessels BW; Griffith MH. *J Nucl Med* 1986; 27: 1308
- patient exposure when using ^{99m}Tc-DTPA for evaluation of cerebrospinal fluid shunt patency. Jonson R; Ahlberg J; Mattsson S; et al. *Acta Radiol* 1988; 29: 378
- radiation absorbed dose from technetium-99m DTPA. Smith T; Zanelli GD; Veall N. *J Nucl Med* 1987; 28: 240
- radiation dose to upper airways from inhaled oxygen-15 carbon dioxide. Meyer E; Yamamoto LY; Evans AC; et al. *J Nucl Med* 1987; 28: 234
- radionuclide administration to nursing mothers: mathematically derived guidelines. Romney BM; Nickoloff EL; Esser PD; Alderson PO. *Radiology* 1986; 160: 549
- Radionuclide imaging, technology**
- adherence of radiopharmaceuticals and labeled cells to intravenous tubing. Segall GM; Gurevich N; McDougall IR. *Clin Nucl Med* 1986; 11: 830
- aerosol penetration ratio: new index of ventilation. Sirt SA; Elliott GR; Regelmann WE; et al. *J Nucl Med* 1986; 27: 1343
- analysis of thallium-201 "washout" from parametric color coded images. Botvinick EH; O'Connell WJ; Dae MW; et al. *J Nucl Med* 1988; 29: 302
- applications of condensed dynamic images. Klein HA. *Clin Nucl Med* 1986; 11: 178
- automated comparison of scintigraphic images. Venot A; Liehn J-C; Lebruchec J-F; et al. *J Nucl Med* 1986; 27: 1337
- biologic stability of tauro-23-[⁷⁵Se]seleno-25-homocholic acid. Monks R; Boyd GS. *J Nucl Med* 1988; 29: 1411
- bone imaging showing incidental radionuclide exudate. Palazzo WL. *Clin Nucl Med* 1986; 11: 203
- clinical comparison of a new technetium 99m DTPA aerosol delivery system with krypton 81m. Finn JP; Myers MJ; Nair KM; et al. *Br J Radiol* 1986; 59: 19
- cold lesions: enhanced contrast using asymmetric photopeak windows. LaFontaine RL; Stein MA; Graham LS; Winter J. *Radiology* 1986; 160: 255
- deuteroglucose: alteration of biodistribution by an isotope effect. Gately SJ; Wess MM; Govoni PL; et al. *J Nucl Med* 1986; 27: 388
- diagnostic imaging of human neuroblastoma with radiolabeled antibody. Miraldi FD; Nelson AD; Kraly C; Ellery S; Landmeier B; Coccia PF; Strandjord SE; Cheung N-KV. *Radiology* 1986; 161: 413
- digital restoration of indium-111 and iodine-123 SPECT images with optimized Metz filters. King MA; Schwinger RB; Penney BC; et al. *J Nucl Med* 1986; 27: 1327
- direct determination of the attenuation coefficient for radionuclide volume measurements. Keller AM; Simon TR; Smitherman TC; et al. *J Nucl Med* 1987; 28: 102
- dynamic process captured on a single image: approach to screening for abnormal superior vena caval flow. Simon TR; Middleton RA; Barr P; et al. *J Nucl Med* 1986; 27: 838
- Estimation of extracellular fluid volume from plasma clearance on technetium-99m DTPA by a single-injection, two-sample method. Russell CD; Bischoff PG; Rowell KL; et al. *J Nucl Med* 1988; 29: 255
- fluorine-18-N-methylsperidol: radiolytic decomposition as a consequence of high specific activity and high dose levels. MacGregor RR; Schlyer DJ; Fowler JS; et al. *J Nucl Med* 1987; 28: 60
- functional image data acquisition and processing. Barnes WE; Gose EE. *Semin Nucl Med* 1987; 17: 58
- gamma camera radionuclide images: improved contrast with energy-weighted acquisition. Halama JR; Henkin RE; Friend LE. *Radiology* 1988; 169: 533
- immunoreactivity assay for labeled anti-melanoma monoclonal antibodies. Beaumier PL; Neuzil D; Yang HM; et al. *J Nucl Med* 1986; 27: 824
- improved immune-specificity in monoclonal radioimmunolabeling using dual radionuclide color functional maps. Engelstad BL; Ramos EC; Stoudemire J; et al. *Invest Radiol* 1986; 21: 917
- improved tungsten-178/tantalum-178 generator system for high volume clinical applications. Lacy JL; Ball ME; Verani MS; et al. *J Nucl Med* 1988; 29: 1526
- indium-111 platelet kinetics in normal human subjects: tropolone versus oxine methods. Vallabhajosula S; Machac J; Goldsmith SJ; et al. *J Nucl Med* 1986; 27: 1669
- in vivo red blood cell compatibility testing using indium-113m tropolone-labeled red blood cells. Morrissey GJ; Gravelle D; Dietz G; et al. *J Nucl Med* 1988; 29: 684
- iodination of monoclonal antibodies for diagnosis and radiotherapy using a convenient one vial method. Haisma HJ; Hilgers J; Zurawski VR Jr. *J Nucl Med* 1986; 27: 1890
- new method for the chelation of indium-111 to monoclonal antibodies: biobidistribution and imaging of athymic mice bearing human colon carcinoma xenografts. Esteban JM; Schlom J; Gansow OA; et al. *J Nucl Med* 1987; 28: 861
- new osmium-191/iridium-191m radionuclide generator system using activated carbon. Brihaye C; Butler TA; Knapp FF Jr; et al. *J Nucl Med* 1986; 27: 380
- nonfunctional photomultiplier tubes can produce subtle total-body scan defects. Boudreau RJ; Johnson T; duCret RP; et al. *Clin Nucl Med* 1987; 12: 554
- nuclear magnetic resonance and gamma camera tumor imaging using gadolinium-labeled monoclonal antibodies. Anderson-Berg WT; Strand M; Lempert TE; et al. *J Nucl Med* 1986; 27: 829
- parametric images as a tool for quantitative normative evaluation. Goris ML. *Semin Nucl Med* 1987; 17: 18
- performance of solid-state 48 detector gamma counter using solid phase total thyroxine and free thyroxine assays. Drew HM; Chan DW; Fong P. *J Nucl Med* 1986; 27: 1623
- pinhole collimator scintigraphy in differential diagnosis of metastasis, fracture, and infections of the spine. Bahk YW; Kim OH; Chung SK. *J Nucl Med* 1987; 28: 447
- routine synthesis of carbon-11-carboxyl-labeled L-dopa. Adam MJ; Grierson JR; Ruth TJ; et al. *J Nucl Med* 1987; 28: 1599
- routine synthesis of L-[¹⁸F]6-fluorodopa with fluorine-18 acetyl hypofluoride. Adam MJ; Ruth TJ; Grierson JR; et al. *J Nucl Med* 1986; 27: 1462

- supine versus upright anterior images: comparison in Tl-201 myocardial scintigraphy, Jacobson AF; Parker JA; Royal HD; Silverman KJ; Gervino EV; Kolodny GM, *Radiology* 1987; 163: 691
- synthesis of L- and D-[methyl-¹¹C]methionine, Langstrom B; Antoni G; Gullberg P; et al, *J Nucl Med* 1987; 28: 1037
- technetium-99m radiopharmaceutical preparation by surface adsorbed stannous ions, Salehi N; Lichtenstein M; Pojer PM, *J Nucl Med* 1986; 27: 1041
- variation of gamma camera photographic image density with count rate, Richardson RL; Duxbury CE, *J Nucl Med* 1986; 27: 128
- Radionuclides**
- See also Radionuclide imaging; Therapeutic radiology
- adherence of radiopharmaceuticals and labeled cells to intravenous tubing, Segall GM; Gurevich N; McDougall IR, *Clin Nucl Med* 1986; 11: 830
- application of robotics to radiopharmaceutical preparation: controlled synthesis of fluorine-18 16 α -fluoroestradiol-17 β , Brodack JW; Kilbourn MR; Welch MJ; et al, *J Nucl Med* 1986; 27: 714
- comparative serum stability of radiochelates for antibody radiopharmaceuticals, Cole WC; DeNardo SJ; Meares CF; et al, *J Nucl Med* 1987; 28: 83
- current status and prospects of new radionuclides and radiopharmaceuticals for cardiovascular nuclear medicine, Schelbert HR, *Semin Nucl Med* 1987; 17: 145
- deuterio-glucose: alteration of biodistribution by an isotope effect, Gatley SJ; Weiss MM; Govoni PL; et al, *J Nucl Med* 1986; 27: 388
- development of a kit-form analog of metaiodobenzylguanidine, Muthiah HL; Inbasekaran MN; Wieland DM; et al, *J Nucl Med* 1986; 27: 256
- dissolution rate and transit times of technetium-99m DTPA-labeled tablets, Maublant JC; Sournac M; Aiche J-M; et al, *J Nucl Med* 1987; 28: 1199
- effects of varying geometry on dose calibrator response: cobalt-57 and technetium-99m, Calhoun JM; Golas DB; Harris SG, *J Nucl Med* 1987; 28: 1478
- efficient stereospecific synthesis of no-carrier-added 2-[¹⁸F]fluoro-2-deoxy-D-glucose using aminopolyether supported nucleophilic substitution, Hamacher K; Coenen HH; Stocklin G, *J Nucl Med* 1986; 27: 235
- fluorine-18 labeling of proteins, Kilbourn MR; Dence CS; Welch MJ; et al, *J Nucl Med* 1987; 28: 462
- institutional storage and disposal of radioactive materials, St. Germain J, *Semin Nucl Med* 1986; 16: 187
- investigations of avidin and biotin for imaging applications, Hnatowich DJ; Virzi F; Rusckowski M, *J Nucl Med* 1987; 28: 1294
- in vivo binding in rat brain and radiopharmaceutical preparation of radioiodinated HEAT, and alpha-1 adrenoreceptor ligand, Couch MW; Greer DM; Thonoor CM; et al, *J Nucl Med* 1988; 29: 356
- in vivo chemistry of iofetamine HCl iodine-123 (IMP), Baldwin RM; Wu J-L, *J Nucl Med* 1988; 29: 122
- localization of a skeletal imaging agent in nonmalignant ascites, Shih W-J; Domstad PA, *Clin Nucl Med* 1988; 13: 137
- management of individuals accidentally exposed to radiation or radioactive materials, Hendee WR, *Semin Nucl Med* 1986; 16: 203
- microautoradiographic study of technetium-99m colloid uptake by the rat liver, Hindie E; Colas-Linhart N; Petiet A; et al, *J Nucl Med* 1988; 29: 1118
- no-carrier-added fluorine-18-labeled N-methylpropylperidol: synthesis and biodistribution in mice, Shiue C-Y; Fowler JS; Wolf AP; et al, *J Nucl Med* 1986; 27: 226
- nuclear medicine. RSNA '87 meeting notes, Siegel BA; Alderson PO; Brown ML; Mettler FA Jr; Miller TR, *Radiology* 1988; 166: 615
- osmium-191/iridium-191m radionuclide generator using an oxalato osmate parent complex, Packard AB; Treves ST; O'Brien GM; et al, *J Nucl Med* 1987; 28: 1571
- radioiodinated 15-(p-iodophenyl)-3,3-dimethylpentadecanoic acid: useful new agent to evaluate myocardial fatty acid uptake, Knapp FF Jr; Goodman MM; Callahan AP; et al, *J Nucl Med* 1986; 27: 521
- rapid, inexpensive quality control of fluorine-18 2-deoxy-2-fluoro-D-glucose preparations using the hexokinase reaction in vitro, Gatley SJ; Brown SG; Thompson CM, *J Nucl Med* 1988; 29: 1443
- red blood cell labeling with technetium-99m: effect of radiopaque contrast agents, Finkel J; Chervu LR; Bernstein RG; et al, *Clin Nucl Med* 1988; 13: 166
- routine synthesis of L-[¹⁸F]6-fluorodopa with fluorine-18 acetyl hypofluorite, Adam MJ; Ruth TJ; Grierson JR; et al, *J Nucl Med* 1986; 27: 1462
- synthesis and characterization of congeners of misonidazole for imaging hypoxia, Grunbaum Z; Freuff SJ; Krohn KA; et al, *J Nucl Med* 1987; 28: 68
- synthesis and radiopharmaceutical preparation of (ethylenediamine) (1-carbon-11-malonate) platinum(II) for PET studies, De Spiegeler B; Goethals P; Slegers G; et al, *J Nucl Med* 1988; 29: 1107
- technetium-99m MAC₃ kit formulation: preliminary results in normal volunteers and patients with renal failure, Taylor A Jr; Eshima D; Christian PE; et al, *J Nucl Med* 1988; 29: 616
- transportation issues in nuclear medicine and the release of radioactivity into the environment, Westerman BR, *Semin Nucl Med* 1986; 16: 191
- Radionuclides, comparative studies**
- comparative evaluation of technetium-99m glucoheptonate and gallium-67 citrate thoracic imaging in detection of mediastinal and hilar involvement in primary lung cancer, Taillefer R; Beauchamp G; Leveille J, *Clin Nucl Med* 1986; 11: 15
- comparison as a lymphoscintigraphic agent between technetium 99m dextran and technetium 99m antimony sulphide colloid, (ab), Juma N; Andruyt T; Ege GN, *Radiology* 1986; 158: 288
- comparison of fluorine-18-2-fluoro-deoxyglucose and gallium-67 citrate imaging for detection of lymphoma, Paul R, *J Nucl Med* 1987; 28: 288
- comparison of gallium-67 citrate and technetium-99m glucoheptonate in the evaluation of pulmonary malignancies, Vorne M; Alanko K; Jarvi K; et al, *J Nucl Med* 1987; 28: 442
- comparison of iodine-131 OIH and technetium-99m MAC₃ renal imaging in volunteers, Taylor A Jr; Eshima D; Fritzberg AR; et al, *J Nucl Med* 1986; 27: 795
- comparison of leukocytes labeled with indium-111-2-mercaptopyridine-N-oxide and indium-111 oxine for abscess detection, Intenzo CM; Desai AG; Thakur ML; et al, *J Nucl Med* 1987; 28: 438
- comparison of technetium-99m MAC₃ with iodine-131 hippuran by a simultaneous dual channel technique, Russell CD; Thorstad B; Yester MB; et al, *J Nucl Med* 1988; 29: 1189
- comparison of technetium-99m-thiodiglycolic acid and iodine-123-hippuran in the evaluation of equivocal upper urinary tract obstruction, Bevis CRA; Shields RA; Lawson RS; et al, *Br J Radiol* 1987; 60: 661
- comparison of the biodistribution of manganese-54 DTPA and gadolinium-153 DTPA in dogs, Boudreau RJ; Burbidge S; Sirt S; et al, *J Nucl Med* 1987; 28: 349
- detection of diffuse glomerular lesions in rats: I. comparisons of conventional radioactive agents, McAfee JG; Thomas FD; Subramanian G; et al, *J Nucl Med* 1986; 27: 502
- detection of diffuse glomerular lesions in rats: II. comparison of indium-111 cationic small macromolecules with technetium-99m DTPA, McAfee JG; Thomas FD; Subramanian G; et al, *J Nucl Med* 1986; 27: 513
- effects of altered physiologic states on clearance and biodistribution of technetium-99m MAC₃, iodine-131 OIH, and iodine-125 iothalamate, Taylor A Jr; Eshima D, *J Nucl Med* 1988; 29: 669
- iodine-123-4-amino-3-iodobenzylguanidine, a new sympathoadrenal imaging agent: comparison with iodine-123 metaiodobenzylguanidine, Shulkin BL; Shapiro B; Tobes MC; et al, *J Nucl Med* 1986; 27: 1138
- radiopharmaceuticals for myocardial infarct imaging: a clinical comparison of ⁹⁹Tc-pyrophosphate and ⁹⁹Tc-dimethylaminomethylene diphosphonate, Bell D; Millar AM; Grayshan R; et al, *Br J Radiol* 1988; 61: 646
- respiratory clearance of aerosolized radioactive solutes of varying molecular weight, Huchon GJ; Montgomery AB; Lipavsky A; et al, *J Nucl Med* 1987; 28: 894
- technetium-99m-d,l-1-HM-PAO: new radiopharmaceutical for imaging regional brain perfusion using SPECT—comparison with iodine-123 HIPDM, Leonard J-P; Nowotnik DP; Neirinx RD, *J Nucl Med* 1986; 27: 1819
- technetium-99m MDP vs technetium-99m dicarboxypropane diphosphonate: clinical comparison in various pathologic conditions, Godart G; Durex M; Bevilacqua M; et al, *Clin Nucl Med* 1986; 11: 92
- Radionuclides, complications**
- cytotoxicity of some indium radiopharmaceuticals in mouse testes, Rao DV; Sastry KSR; Grimmold HE; et al, *J Nucl Med* 1988; 29: 375
- prediction of the relative toxicities of radium 224 and of radium 226 in the bones of mice using Monte Carlo techniques, Priest ND, *Br J Radiol* 1987; 60: 677
- severe systemic reaction to diphosphonate bone imaging agents: skin testing to predict allergic response and a safe alternative agent, Ramos-Gabatin A; Orzel JA; Maloney TR; et al, *J Nucl Med* 1986; 27: 1432
- Radionuclides, therapeutic**
- associated x-ray spectra of Amersham caesium-137 afterloading sources, Bradley DA; Chong CS, *Br J Radiol* 1987; 60: 175
- Copper-67-labeled monoclonal antibody Lym-1, a potential radiopharmaceutical for cancer therapy: labeling and biodistribution in RAJ1 tumored mice, Deshpande SV; DeNardo SJ; Meares CF; et al, *J Nucl Med* 1988; 29: 217
- generator-produced yttrium-90 for radioimmunotherapy, Chinol M; Hnatowich DJ, *J Nucl Med* 1987; 28: 1465
- hepatic malignancies: improved treatment with intraarterial Y-90, Herba MJ; Illescas FF; Thirillwell MP; Boos GJ; Rosenthal L; Atri M; Bret PM, *Radiology* 1988; 169: 311
- iodine-131-labeled diphosphonates for palliative treatment of bone metastases: II. preliminary clinical results with iodine-131 BDP3, Eisenhut M; Berberich R; Kimmig B; et al, *J Nucl Med* 1986; 27: 1255
- ovarian carcinoma: adjuvant treatment with P-32, Reddy S; Sutton GP; Stehman FB; Hornbach NB; Ehrlich CE, *Radiology* 1987; 165: 275
- radiation dose calculations in persons receiving injection of samarium-153 EDTMP, Logan KW; Volkert WA; Holmes RA, *J Nucl Med* 1987; 28: 505
- radioactive patient, St. Germain J, *Semin Nucl Med* 1986; 16: 179
- Re-186(Sn) HEDP for treatment of multiple metastatic foci in bone: human biodistribution and dosimetric studies, Maxon HR; Deutsch EA; Thomas SR; Libson K; Lukes SJ; Williams CC; Ali S, *Radiology* 1988; 166: 501
- Sr-89 therapy for metastatic bone disease: scintigraphic and radiographic follow-up, Klobier R; Molnar CP; Barnes M, *Radiology* 1987; 163: 719
- strontium-89 radionuclide therapy: a dosimetric study using impulse response function analysis, Blake GM; Gray JM; Zivanovic MA; et al, *Br J Radiol* 1987; 60: 685
- template-guided interstitial implants: Cs-137 reusable sources as a substitute for Ir-192, Williamson JF; Seminoff T, *Radiology* 1987; 165: 265
- Radiopharmaceuticals**
- See Radionuclides
- Radiosensitivity**
- acute hypoxia in tumors: implications for modifiers of radiation effects, Chaplin DJ; Durand RE; Olive PL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1279
- additivity of radiosensitization by the combination of SR 2508 (etanidazole) and Ro 03-8799 (pimonidazole) in a murine tumor system, Honess DJ; Wasserman TH; Workman P; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 671

- analogue of RSU-1069: radiosensitization and toxicity *in vitro* and *in vivo*, Ahmed I; Jenkins TC; Walling JM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1079
- binding of ³H-misonidazole to solid human tumors as a measure of tumor hypoxia, Urtasun RC; Chapman JD; Raleigh JA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1263
- biophysical basis of hypoxic radioprotection by deoxygenated dextran-hemoglobin, Wong JT-F; Hill RP; *Int J Radiat Oncol Biol Phys* 1986; 12: 1303
- cellular growth and metabolic adaptations to nutrient stress environments in tumor microregions, Sutherland R; Freyer J; Mueller-Klieser W; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 611
- chemical modifiers, Bartelink H; Bleehen NM; Phillips TL, *Int J Radiat Oncol Biol Phys* 1988; 14: 539
- clinical trial of Fluosol DA 20% in advanced squamous cell carcinoma of the head and neck, Rose C; Lustig R; McIntosh N; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1325
- combined radiation-protective and radiation-sensitizing agents III: radiosensitization by misonidazole as a function of concentrations of endogenous glutathione or exogenous thiols, Koch CJ; Stobbe CC; Baer KA, *Int J Radiat Oncol Biol Phys* 1986; 12: 1151
- comparative study of Ro 03-8799: racemic mixture and enantiomers, Newman HFV; Dunphy EP; Bleehen NM; et al, *Br J Radiol* 1986; 59: 997
- comparison of clonogenic and radionuclide uptake assays for determining the radiation response of human small-cell lung cancer xenografts and cell lines, Fox NE; Twentyman PR, *Br J Radiol* 1987; 60: 381
- comparison of the heat and radiation sensitivity of rodent and human derived cells cultured *in vitro*, Roizin-Towle L; Pirro JP; McDowell J, *Int J Radiat Oncol Biol Phys* 1986; 12: 647
- comparison of the tumour concentrations obtainable with misonidazole and Ro 03-8799, Dische S; Saunders MI; Bennett MH; et al, *Br J Radiol* 1986; 59: 911
- comparison of tumor and normal tissue levels of acidic, basic and neutral 2-nitroimidazole radiosensitizers in mice, Minchinton AI; Stratford MRL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1117
- compartmentalised depletion of glutathione in cells treated with buthionine sulfoximine, Edgren MR; Revesz L, *Br J Radiol* 1987; 60: 723
- concentrations achieved in human tumors after administration of misonidazole, SR-2508 and RO 03-8799, Dische S; Saunders MI; Dunphy EP; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1109
- cytotoxicity of RSU 1069 in spheroids and murine tumors, Olive PL; Durand RE; Chaplin DJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1361
- differential radiosensitization by the poly(ADP-ribose) transferase inhibitor 3-aminobenzamide in human tumor cells of varying radiosensitivity, Kelland LR; Burgess L; Steel GG, *Int J Radiat Oncol Biol Phys* 1988; 14: 1239
- distribution of radiation sensitivities for human tumor cells of specific histological types: comparison of *in vitro* to *in vivo* data, Malaise EF; Fertl B; Chavudra N; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 617
- dose-rate effects in normal and malignant cells of human origin, Marchese MJ; Zaider M; Hall EJ, *Br J Radiol* 1987; 60: 573
- effect of anemia on tumor radiosensitivity under normo and hyperbaric conditions, Rojas A; Stewart FA; Smith KA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1681
- effect of ethanol on the radiation response of CHO-K1 cells, Seymour CB; Mothersill C; Moriarty MJ; et al, *Br J Radiol* 1987; 60: 577
- effect of GSH depletion on thermal radiosensitization, Freeman ML; Meredith MJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1371
- effect of hyperthermia on the early and late appearing mouse foot reactions and on the radiation carcinogenesis: effect on the early and late appearing reactions, Urano M; Kenton LA; Kahn J, *Int J Radiat Oncol Biol Phys* 1988; 15: 159
- effect of L-buthionine sulfoximine on the aerobic radiation response of A549 human lung carcinoma cells, Biaglow JE; Varnes ME; Tuttle SW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1139
- effect of misonidazole dose on survival in patients with stage IIIB-IVA squamous cell carcinoma of the uterine cervix: RTOG randomized trial, Bauer M; Leibel S; Wasserman T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1101
- effect of mixed fractionation with x rays and neutrons on tumour growth delay and skin reactions in mice, Carl UM; McNally NJ; Joiner MC, *Br J Radiol* 1987; 60: 583
- effect of radiation-induced reduction of nitroimidazoles on biologically active DNA, Lafleur MVM; Pluijmakers-Westmijze EJ; Loman H, *Int J Radiat Oncol Biol Phys* 1986; 12: 1211
- effect of radiation on the growth of normal and malignant human oesophageal explant cultures pre-treated with bleomycin, Seymour CB; Mothersill C; Cusack A; et al, *Br J Radiol* 1988; 61: 383
- effect of the radiosensitizer misonidazole and the radioprotector diethyldithiocarbamate on spontaneous metastasis formation of murine tumors, Milas L; Hunter N; Basic I; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1071
- effects of dose and scheduling on growth delay of the Lewis lung carcinoma produced by the perfluorochemical emulsion, Fluosol-DA[®], Teicher BA; Rose CM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1311
- effects of glutathione depletion by buthionine sulfoximine on the sensitivity of EMT6/SF cells to chemotherapy agents or x radiation, Shrieve DC; Harris JW, *Int J Radiat Oncol Biol Phys* 1986; 12: 1171
- effects of intravenously infused Fluosol-DA 20% in rats, West L; McIntosh N; Gendler S; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1319
- efficacy of Pt(Rh-123), as a radiosensitizer with fractionated x rays, Teicher BA; Holden SA; Cathcart KNS, *Int J Radiat Oncol Biol Phys* 1987; 13: 1217
- enhanced x ray sensitivity of human colon tumor cells by combination of N-methylformamide with chemotherapeutic agents, Leith TJ; Lee ES; Leite DV; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1423
- enhancement in the aerobic toxicity of misonidazole and SR-2508 by buthionine sulfoximine and 4-hydroxypyrazole: role of hydrogen peroxide, Tuttle SW; Biaglow JE; Varnes ME; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1161
- enhancement of x ray induced DNA damage by pre-treatment with halogenated pyrimidine analogs, Kinsella TJ; Dobson PP; Mitchell JB; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 733
- enhancement of IUDR radiosensitization by low energy photons, Nath R; Bongiorno P; Rockwell S, *Int J Radiat Oncol Biol Phys* 1987; 13: 1071
- enhancement of radiation effects by acyclovir, Sougawa M; Akagi K; Murata T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1537
- enhancement of tumor radiation response by the combination of a perfluorochemical emulsion and hyperbaric oxygen, Martin DF; Porter EA; Rockwell S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 747
- evaluation of incorporated iododeoxyuridine cellular radiosensitization by photon activation therapy, Miller RW; DeGraff W; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1193
- evaluation of mouse lip mucosa reactions after combinations of cis-diammine-1,1-cyclobutanedicarboxylate platinum (II) (CBDCA) and irradiation: single and fractionated treatments, Landuyt W; Keizer J; Chin A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1367
- experimental pharmacokinetics of RSU-1069 and its analogues: high tumor/plasma ratios, Deacon JM; Holliday SB; Ahmed I; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1087
- facing fearful odds—conference summary, Hall EJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1023
- glutathione-reactive nitro compounds as radiosensitizers: mechanistic and therapeutic implications, Watts ME; Dennis MF; Stratford MRL; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1135
- growth phase related variation in the radiation sensitivity of human colon adenocarcinoma cells, West CML; Keng PC; Sutherland PM, *Int J Radiat Oncol Biol Phys* 1988; 14: 1213
- hypoxia mediated binding of misonidazole in non-malignant tissue, Rasey JS; Hoffman JM; Spence AM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1255
- hypoxic cell radiosensitizers in the treatment of high grade gliomas: a new direction using combined Ro 03-8799 (pimonidazole) and SR 2508 (etanidazole), Newman HFV; Bleehen NM; Ward R; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 677
- improvement of tumor spheroid oxygenation by tetrachlorodecaoxide, Mueller-Klieser W; Vaupel P, *Int J Radiat Oncol Biol Phys* 1987; 13: 49
- influence of misonidazole, SR-2508, RSU-1069 and WR-2721 on spontaneous metastases in C57BL mice, Kanczler A; Chapman JD, *Int J Radiat Oncol Biol Phys* 1988; 14: 309
- interaction of iododeoxyuridine and its primary metabolite, idouracil on radiation response, Kinsella TJ; Dobson PP; Mitchell JB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1519
- interaction of nitroimidazole sensitizers with drug metabolizing enzymes—spectral and kinetic studies, Lee FYF; Workman P, *Int J Radiat Oncol Biol Phys* 1986; 12: 1383
- interactions of radiation, cyclophosphamide and nimorazole in a C3H mammary carcinoma *in vivo*, Zachariae C; Overgaard J, *Int J Radiat Oncol Biol Phys* 1986; 12: 1445
- intercapillary distance measurement as an indicator of hypoxia in carcinoma of the cervix uteri, Awwad HK; el Naggar M; Mocktar N; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1329
- interstitial misonidazole: clinical experience in advanced mouth cancer, Sealy R; Cridland S; Blekenhorst G; et al, *Clin Radiol* 1988; 39: 182
- in vitro* binding of ¹⁴C-misonidazole to hepatocytes and hepatoma cells, Van Os-Corby DJ; Chapman JD, *Int J Radiat Oncol Biol Phys* 1986; 12: 1251
- iodinated contrast agents as "radiosensitizers", Dawson P; Penhaligon M; Smith E; et al, *Br J Radiol* 1987; 60: 201
- irradiation with misonidazole and hyperbaric oxygen: final report on a randomized trial in advanced head and neck cancer, Sealy R; Cridland S; Barry L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1343
- late results of a trial of hyperbaric oxygen and radiotherapy in head and neck cancer: a rationale for hypoxic cell sensitizers?, Henk JM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1339
- mathematical modelling of oxygen supply and oxygenation in tumor tissues: prognostic, therapeutic, and experimental implications, Degner FL; Sutherland RM, *Int J Radiat Oncol Biol Phys* 1988; 15: 391
- maximum recovery potential of human tumor cells may predict clinical outcome in radiotherapy, Weichselbaum RR; Beckett M, *Int J Radiat Oncol Biol Phys* 1987; 13: 709
- mechanism of action of the selective tumor radiosensitizer nicotinamide, Horsman MR; Brown JM; Hirst VK; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 685
- misonidazole and other hypoxia markers: metabolism and applications, Franko AJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1195
- misonidazole in fractionated radiotherapy of a murine mammary carcinoma: comparison of tumor and normal tissue response, Stone HB, *Int J Radiat Oncol Biol Phys* 1988; 14: 957
- misonidazole retention by normal tissues: distinction between label on the ring and side chain, Franko AJ; Garrecht BM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1259

- modification of the radiation induced damage by 2-deoxy-D-glucose in organ cultures of human cerebral gliomas, Dwarakanath BSR; Jain VK, *Int J Radiat Oncol Biol Phys* 1987; 13: 741
- modification of tumor and normal tissue radioresponse in mice by N-methylformamide, Iwakawa M; Milas L; Hunter N; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 55
- modulation of x ray DNA damage by SR-2508 \pm buthionine sulfoximine, Kinsella TJ; Dobson PP; Russo A; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1127
- new ruthenium radiosensitizer: RuCl₂(DMSO)₂(4-nitroimidazole), Chan PKL; Skov KA; James BR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1059
- novel interaction of diethyldithiocarbamate with the glutathione/glutathione peroxidase system, Kumar KS; Sancho AM; Weiss JF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1463
- nutrient modification of proliferation and radiation response in EMT6/RO spheroids, Luk CK; Sutherland RM, *Int J Radiat Oncol Biol Phys* 1987; 13: 885
- oxygen concentration and the OER for acutely or chronically thiol deficient cells, Astor MB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1131
- oxygen delivery to tumors, Hirst DG, *Int J Radiat Oncol Biol Phys* 1986; 12: 1271
- oxygen depletion in irradiated aqueous solutions containing electron affinic hypoxic cell radiosensitizers, Michaels HB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1055
- partial hypoxia as a cause of radioresistance in a human tumor xenograft: its influence illustrated by the sensitizing effect of misonidazole and hyperbaric oxygen, Reynaud-Bougnoux A; Lepinasse F; Malaize EP; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1283
- phase I combined modality clinical trial of alpha-2-interferon and radiotherapy, Torrisi J; Berg C; Harter K; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1453
- phase I study of the combination of two hypoxic cell radiosensitizers, Ro 03-8799 and SR-2508: toxicity and pharmacokinetics, Newman HFV; Bleehe NM; Workman P, *Int J Radiat Oncol Biol Phys* 1986; 12: 1113
- phase I study of the combined hypoxic cell radiosensitizers, Ro 03-8799 and SR 2508: preliminary report of single-dose toxicity, pharmacokinetics and tumour concentrations, Newman HFV; Bleehe NM; Workman P, *Br J Radiol* 1986; 59: 423
- phase I trial of the hypoxic cell radiosensitizer SR-2508: results of the five to six week drug schedule, Coleman CN; Wasserman TH; Urtasun RC; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1105
- phase II trial of combined radiotherapy and daily low-dose cisplatin for inoperable, locally advanced non-small cell lung cancer (NSCLC), van Harskamp G; Boven E; Vermorken JB; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1735
- phase II trial of misonidazole (MISO) and cyclophosphamide (CYC) in metastatic renal cell carcinoma, Glover D; Trump D; Kvoils L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1405
- phosphate-group of DNA as a potential target for RSU-1069, a nitroimidazole-aziridine radiosensitizer, Silver ARJ; O'Neill P; Jenkins TC; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1203
- potential for increasing the differential response between tumors and normal tissues: can proliferation rate be used?, Fowler JF, *Int J Radiat Oncol Biol Phys* 1986; 12: 641
- potential methods for predicting tumor radiocurability, Peters LJ; Brock WA; Johnson T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 459
- potentiation of in vitro cytotoxic effects of misonidazole on human colon tumor cells by the differentiation-inducing agent N-methylformamide, Arundel CM; Leith JT; Lee ES; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1429
- predicting late normal tissue responses, Withers HR, *Int J Radiat Oncol Biol Phys* 1986; 12: 693
- preferential tumor radiosensitization by analogs of nicotinamide and benzamide, Horsman MR; Brown DM; Lemmon MJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1307
- radiation, methotrexate, and white matter necrosis: laboratory evidence for neural radioprotection with preirradiation methotrexate, Geyer JR; Taylor EM; Milstein JM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 373
- radiation response of multicellular spheroids initiated from five human melanoma xenograft lines: relationship to the radioresponsiveness in vivo, Rofstad EK; Wahl A; Brustad T, *Br J Radiol* 1986; 59: 1023
- radioresistant and repair proficient cells may determine radiocurability in human tumors, Weichselbaum RR, *Int J Radiat Oncol Biol Phys* 1986; 12: 637
- radioresistant tumor cells are present in head and neck carcinomas that recur after radiotherapy, Weichselbaum RR; Beckett MA; Schwartz JL; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 575
- radiosensitivity and sublethal damage repair in human umbilical cord vein endothelial cells, Hei TK; Marchese MJ; Hall EJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 879
- radiosensitization by diamide analogs and arsenicals, Bump EA; Jacobs GP; Lee WW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1533
- radiosensitization in vitro and in vivo by 3-nitrotriazoles, Shibamoto Y; Sakano K; Kimura R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1063
- radiosensitization of hypoxic cells at low doses, Skarsgard LD; Harrison I; Durand RE; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1075
- radiosensitization of primary human tumor cell cultures by N-methylformamide, Arundel C; Bock S; Brock WA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 753
- radiosensitization produced by iododeoxyuridine with high linear energy transfer heavy ion beams, Linhardt D; Blakely E; Phillips TL; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 703
- radiosensitizing and toxic effects of RSU-1069 on hypoxic cells in a murine tumor, Chaplin DJ; Durand RE; Stratford IJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1091
- radiosensitizing effect of misonidazole in combination with an inhibitor of glutathione synthesis in murine tumors, Ono K; Komuro C; Nishida T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1661
- radiosensitizing effects of misonidazole (MISO) in combination with diethyl maleate (DEM) in mouse mammary tumors, Ono K; Komuro C; Nishida T; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1843
- randomized comparison of misonidazole sensitized radiotherapy plus BCNU and radiotherapy plus BCNU for treatment of malignant glioma after surgery: final report of an RTOG study, Nelson DF; Diener-West M; Weinstein AS; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1793
- relationship of SR-2508 sensitizer enhancement ratio to cellular glutathione levels in human tumor cell lines, Mitchell JB; Phillips TL; DeGraff W; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1143
- response of cells of human origin, normal and malignant, to acute and low dose rate irradiation, Hall EJ; Marchese MJ; Astor MB; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 655
- sensitization by SR-2508 plus Ro 03-8799, Stone HB; Luu YH; Lam KN, *Int J Radiat Oncol Biol Phys* 1986; 12: 1097
- sensitization to x ray by 5-chloro-2'-deoxycytidine co-administered with tetrahydrodione in several mammalian cell lines and studies of 2'-chloro derivatives, Perez LM; Greer S, *Int J Radiat Oncol Biol Phys* 1986; 12: 1523
- sensitizers and radiation dose fractionation: results and interpretations, Hill RP, *Int J Radiat Oncol Biol Phys* 1986; 12: 1049
- specificity of endogenous glutathione in determining the oxygen enhancement of cellular radiosensitivity, Edgren MR; Solen G; Revesz L, *Int J Radiat Oncol Biol Phys* 1986; 12: 1147
- stable reduction product of misonidazole, Panicucci R; McClelland RA; Rauth AM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1227
- studies of the toxicity of RSU-1069, Whitmore GF; Gulyas S, *Int J Radiat Oncol Biol Phys* 1986; 12: 1219
- studies on the mechanisms of the radiosensitizing and cytotoxic properties of RSU-1069 and its analogues, Walling JM; Stratford IJ; Adams GE; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1083
- study of heat and radiation response of a malignant, melanin-producing cell line derived from C3H 10T1/2 cells transformed in culture by radiation, Raaphorst GP; Vadasz J; Azzam EI, *Int J Radiat Oncol Biol Phys* 1986; 12: 2151
- thiol-induced biochemical modification of chemo- and radioresponses, Clark EP, *Int J Radiat Oncol Biol Phys* 1986; 12: 1121
- toxic effects of extended glutathione depletion by buthionine sulfoximine on murine mammary carcinoma cells, Dethlefsen LA; Biaglow JE; Peck VM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1157
- treatment of advanced stage ovarian carcinoma with a combination of chemotherapy, radiotherapy, and radiosensitizer: report of a pilot study from the National Cancer Institute, Lichter AS; Ozols RF; Myers CC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1225
- treatment volume and tissue tolerance, Withers HR; Taylor JMG; Maciejewski B, *Int J Radiat Oncol Biol Phys* 1988; 14: 751
- tumor oxygenation and reoxygenation during radiation therapy: their importance in predicting tumor response, Kallman RF; Dorie MJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 681
- tumor oxygenation using direct injection of oxygenated saline, Gatenby RA; Brown TR, *Invest Radiol* 1987; 22: 404
- tumor radioresponsiveness versus fractionation sensitivity, Thames HD; Suit HD, *Int J Radiat Oncol Biol Phys* 1986; 12: 687
- tumor radiosensitization through reductions in hemoglobin affinity, Siemann DW; MacIver LM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1295
- uptake and additivity of the radiosensitising effects of Ro 03-8799 and SR-2508 in mammalian cells in vitro, Watts ME; Dennis MF; Woodcock M, *Br J Radiol* 1987; 60: 1233
- use of a colorimetric microtiter (MTT) assay in determining the radiosensitivity of cells from murine solid tumors, Wasserman TH; Twentyman P, *Int J Radiat Oncol Biol Phys* 1988; 15: 699
- use of non-hypoxic cell sensitizers in radiobiology and radiotherapy, Mitchell JB; Russo A; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1513
- variation in sensitizing efficiency for SR 2508 in human cells dependent on glutathione content, Phillips TL; Mitchell JB; DeGraff W; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1627
- X ray responses of a human colon tumor cell line after exposure to the differentiation-inducing agent N-methylformamide: concentration dependence and reversibility characteristics, Leith JT; Bliven SF, *Int J Radiat Oncol Biol Phys* 1988; 14: 1231

Radium

- case report 361, Milgram JW; Jasty M, *Skeletal Radiol* 1986; 15: 258
- prediction of the relative toxicities of radium 224 and of radium 226 in the bones of mice using Monte Carlo techniques, Priest ND, *Br J Radiol* 1987; 60: 677
- radioactive artifacts: historical sources of modern radium contamination, Blaufox MD, *Semin Nucl Med* 1988; 18: 46
- single radium insertion for treatment of early carcinoma of the cervix: rationale and results, Bond WH; Mould J, *Clin Radiol* 1986; 37: 573

Radium

- case report 487, Genex BM; Zirilli VL; Schlesinger AE; et al, *Skeletal Radiol* 1988; 17: 306

Radon

- origin and health risks of indoor radon, Hendee WR; Doerge TC, *Semin Nucl Med* 1988; 18: 3

radon in homes: determining risks and preventing exposures, Doege TC; Hendee WR, *Semin Nucl Med* 1988; 18: 10

Rare earths

See Radiography, technology

Receiver operating characteristic curve (ROC)

alternative approaches to receiver operating characteristic analyses, Hanley JA, *Radiology* 1988; 168: 568

avascular necrosis versus other diseases of the hip: sensitivity of MR imaging, Glickstein MF; Burk DL Jr; Schiebler ML; Cohen EK; Dalinka MK; Steinberg ME; Kressel HY, *Radiology* 1988; 169: 213

digital and conventional chest images: observer performance with film digital radiography system, Goodman LR; Foley WD; Wilson CR; Rimm AA; Lawson TL, *Radiology* 1986; 158: 27

digital and conventional chest imaging: modified ROC study of observer performance using simulated nodules, Chakraborty DP; Breatnach ES; Yester MV; Soto B; Barnes GT; Fraser RG, *Radiology* 1986; 158: 35

digital chest radiography: effect on diagnostic accuracy of hard copy, conventional video, and reversed gray scale video display formats, MacMahon H; Metz CE; Doi K; Kim T; Giger ML; Chan H-P, *Radiology* 1988; 168: 669

digital mammography: ROC studies of the effects of pixel size and unsharp-mask filtering on the detection of subtle microcalcifications, Chan H-P; Vyborny CJ; MacMahon H; et al, *Invest Radiol* 1987; 22: 581

digital projection radiography of the chest, Kundel HL, *Radiology* 1986; 158: 274

digital radiography of subtle pulmonary abnormalities: ROC study of the effect of pixel size on observer performance, MacMahon H; Vyborny CJ; Metz CE; Doi K; Sabetti V; Solomon SL, *Radiology* 1986; 158: 21

mediastinal lymph node metastases from bronchogenic carcinoma: detection with MR imaging and CT, Poon PY; Bronskill MJ; Henkelman RM; Rideout DF; Shulman HS; Weisbrod GL; Steinhardt MI; Dunlap HJ; Ginsberg RJ; Feld R; Sutcliffe SB; Williams JL, *Radiology* 1987; 162: 651

one-shot dual-energy subtraction chest imaging with computed radiography: clinical evaluation of film images, Ishigaki T; Sakuma S; Ikeda M, *Radiology* 1988; 168: 67

ROC methodology in radiologic imaging, Metz CE, *Invest Radiol* 1986; 21: 720

spatial resolution requirements for digital chest radiographs: ROC study of observer performance in selected cases, Lams PM; Cocklin ML, *Radiology* 1986; 158: 11

subtle lung cancers: impact of edge enhancement and gray scale reversal on detection with digitized chest radiographs, Oestmann JW; Kushner DC; Bourgoin PM; Llewellyn HJ; Mockbee BW; Greene R, *Radiology* 1988; 167: 657

Rectum

radiological findings in syphilitic proctitis, Singcharoen T; Praisontarangkul O-A, *Br J Radiol* 1987; 60: 1137

sex differences in anorectal angle and perineal descent, Skomorowska E; Hegedus V, *Gastrointest Radiol* 1987; 12: 353

vascular injury in the mouse rectum after irradiation and cis-diamminedichloroplatinum (II), Dewit L; Oussoren Y, *Br J Radiol* 1987; 60: 1037

Rectum, abnormalities

anal agenesis with recto-bulbar fistula, Gupta AK; Bhargava S; Rohtagi M, *Pediatr Radiol* 1986; 16: 222

anorectal atresia: prenatal sonographic diagnosis, Harris RD; Nyberg DA; Mack LA; et al, *AJR* 1987; 149: 395

computed tomography of rectal and perirectal disease in AIDS patients, Albin J; Lewis E; Eftekhari, et al, *Gastrointest Radiol* 1987; 12: 67

congenital anorectal anomalies: MR imaging, Sato Y; Pringle KC; Bergman RA; Yuh WTC; Smith WL; Soper RT; Franken EA Jr, *Radiology* 1988; 168: 157

CT features of perirectal fascia thickening after transurethral resection of prostatic adenoma, Parienty RA; Vallancien G; Pradel J; et al, *JCAT* 1987; 11: 92

enterolithiasis in two neonates with oesophageal and anorectal atresia, Poullaude JM; Meyer P; Minh VT; et al, *Pediatr Radiol* 1987; 17: 419

magnetic resonance of congenital anorectal malformations, Pomeranz SJ; Altman N; Sheldon JJ; et al, *Magn Res Imag* 1986; 4: 69

perirectal inflammatory disease: CT findings, Guillaumin E; Jeffrey RB Jr; Shea WJ; Asling CW; Goldberg HL, *Radiology* 1986; 161: 153

width of the presacral space in Nigerian adults, Akamaguna AI; Odita JC, *Gastrointest Radiol* 1986; 11: 370

Rectum, abscess

CT findings in rectal cuff abscess following surgery for Hirschsprung disease, Donaldson JS; Gilsanz V, *JCAT* 1986; 10: 151

Rectum, CT

computed tomographic staging of gastrointestinal malignancies part II. small bowel, colon, and rectum, Thompson WM; Halvorsen RA Jr, *Invest Radiol* 1987; 22: 96

computed tomography in early diagnosis of local recurrence of rectal carcinoma, Adalsteinsson B; Pahlman L; Hemmingsson A; et al, *Acta Radiol* 1987; 28: 41

computed tomography in the differential diagnosis of the enlarged retrorectal space, Krestin GP; Beyer D; Steinbrich W, *Gastrointest Radiol* 1986; 11: 364

computed tomography of colorectal carcinoma: preoperative staging and detection of recurrence, Freeny PC; Marks WM; Ryan JA; et al, *Semin US CT MR* 1987; 8: 432

computed tomography of rectal and perirectal disease in AIDS patients, Albin J; Lewis E; Eftekhari F; et al, *Gastrointest Radiol* 1987; 12: 67

computed tomography of the rectum, Thompson WM; Halvorsen RA Jr; Foster WL Jr; Roberts L; Gibbons R, *Radiographics* 1987; 7: 773

CT diagnosis of villous adenoma, Coscina WF; Arger PH; Herlinger H; et al, *JCAT* 1986; 10: 764

CT features of perirectal fascia thickening after transurethral resection of prostatic adenoma, Parienty RA; Vallancien G; Pradel J; et al, *JCAT* 1987; 11: 92

CT of the bowel: use of water to enhance depiction, Angelelli G; Macarini L, *Radiology* 1988; 169: 848

CT staging of early rectal carcinoma, Gotthlin JH; Lerner RM; Gadeholt G; et al, *Gastrointest Radiol* 1987; 12: 253

hemangioma of the rectum: CT appearance, Perez C; Andreu J; Lauger J; et al, *Gastrointest Radiol* 1987; 12: 347

perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations, Hulnick DH; Megibow AJ; Balthazar EJ; Gordon RB; Surapanini R; Bosniak MA, *Radiology* 1987; 164: 611

perirectal inflammatory disease: CT findings, Guillaumin E; Jeffrey RB Jr; Shea WJ; Asling CW; Goldberg HL, *Radiology* 1986; 161: 153

recurrent rectal cancer: diagnosis with MR imaging versus CT, Krestin GP; Steinbrich W; Friedmann G, *Radiology* 1988; 168: 307

retrorectal cyst-hamartomas: CT diagnosis, Ottery FD; Carlson RA; Gould H; et al, *JCAT* 1986; 10: 260

tailgut cyst: diagnosis with CT and sonography, Johnson AR; Ros PR; Hjermstad BM, *AJR* 1986; 147: 1309

Rectum, cysts

CT guided percutaneous decompression of a rectal duplicated cyst in a child, Ramsewak W; Millward SF; Toi A; et al, *J Canad Assoc Radiol* 1986; 37: 46

Rectum, MR studies

congenital anorectal anomalies: MR imaging, Sato Y; Pringle KC; Bergman RA; Yuh WTC; Smith WL; Soper RT; Franken EA Jr, *Radiology* 1988; 168: 157

magnetic resonance of congenital anorectal malformations, Pomeranz SJ; Altman N; Sheldon JJ; et al, *Magn Res Imag* 1986; 4: 69

MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis, Gornberg JS; Friedman AC; Radecki PD; et al, *Gastrointest Radiol* 1986; 11: 361

MR imaging of recurrent colorectal carcinoma versus fibrosis, Rafto SE; Amendola MA; Geffer WB, *JCAT* 1988; 12: 521

quantitative magnetic resonance imaging in rectal carcinoma, Johnson RJ; Jenkins JPR; Isherwood I; et al, *Br J Radiol* 1987; 60: 761

recurrent rectal cancer: diagnosis with MR imaging versus CT, Krestin GP; Steinbrich W; Friedmann G, *Radiology* 1988; 168: 307

Rectum, neoplasms

carcinoma of the rectum: 508 patients with failure analysis and implication for adjuvant therapy, Bethune WA, *J Canad Assoc Radiol* 1987; 38: 209

colorectal carcinoma detected initially with barium enema examination: site distribution and implications, Kelvin FM; Maglinte DDT; Stephens BA, *Radiology* 1988; 169: 649

colorectal carcinoma: detection with indium-111 antineoplastic antibody ZCE-025, Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW, *Radiology* 1987; 164: 617

colorectal carcinoma: radiologic and clinical review, Kelvin FM; Maglinte DDT, *Radiology* 1987; 164: 1

colorectal neoplasms: accuracy of US in demonstrating the depth of invasion, Wang KY; Kimmey MB; Nyberg DA; Mack LA; Haggitt RC; Shuman WP; Franklin DW; Silverstein FE, *Radiology* 1987; 165: 827

colorectal polyps: a correlation of radiological and pathological findings, Spencer NJB; Richards DG; Bartlett P; et al, *Clin Radiol* 1988; 39: 407

computed tomographic staging of gastrointestinal malignancies part II. small bowel, colon, and rectum, Thompson WM; Halvorsen RA Jr, *Invest Radiol* 1987; 22: 96

computed tomography in early diagnosis of local recurrence of rectal carcinoma, Adalsteinsson B; Pahlman L; Hemmingsson A; et al, *Acta Radiol* 1987; 28: 41

computed tomography in the differential diagnosis of the enlarged retrorectal space, Krestin GP; Beyer D; Steinbrich W, *Gastrointest Radiol* 1986; 11: 364

computed tomography of colorectal carcinoma: preoperative staging and detection of recurrence, Freeny PC; Marks WM; Ryan JA; et al, *Semin US CT MR* 1987; 8: 432

computed tomography of the rectum, Thompson WM; Halvorsen RA Jr; Foster WL Jr; Roberts L; Gibbons R, *Radiographics* 1987; 7: 773

CT diagnosis of villous adenoma, Coscina WF; Arger PH; Herlinger H; et al, *JCAT* 1986; 10: 764

CT of the bowel: use of water to enhance depiction, Angelelli G; Macarini L, *Radiology* 1988; 169: 848

CT staging of early rectal carcinoma, Gotthlin JH; Lerner RM; Gadeholt G; et al, *Gastrointest Radiol* 1987; 12: 253

endoscopic staging of rectal carcinoma, DiCandio G; Mosca F; Campatelli A; et al, *Gastrointest Radiol* 1987; 12: 289

extramedullary plasmacytoma of the rectum: two cases treated by radiotherapy, Price A; Quilty PM; Ludgate SM, *Clin Radiol* 1987; 38: 283

high dose preoperative radiation and sphincter preservation in the treatment of rectal cancer, Mohiuddin M; Marks GJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 839

local control with pre-operative radiotherapy alone versus "sandwich" radiotherapy for rectal carcinoma, Shank B; Enker W; Santana J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 111

localization of radioiodinated monoclonal antibody in colorectal cancer: initial dosimetry results, (ab), Cohen KH; Welt S; Banner WP; et al, *Radiology* 1988; 167: 882

long-term results and complications of preoperative radiation in the treatment of rectal cancer, (ab), Reed WP; Garb JL; Park WC; et al, *Radiology* 1988; 169: 881

- MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis, Gomberg JS; Friedman AC; Radecki PD; et al, *Gastrointest Radiol* 1986; 11: 361
- MR imaging of recurrent colorectal carcinoma versus fibrosis, Rafto SE; Amendola MA; Gefter WB, *JCAT* 1988; 12: 521
- oral fluorouracil versus intravenous 5-fluorouracil: a comparative study in patients with colorectal cancer, Andersen E; Pedersen H, *Acta Oncol* 1987; 26: 433
- perforated colorectal neoplasms: correlation of clinical, contrast enema, and CT examinations, Hulnick DH; Megibow AJ; Balthazar EJ; Gordon RB; Surapenini R; Bosniak MA, *Radiology* 1987; 164: 611
- perineal effects of postoperative treatment for adenocarcinoma of the rectum, Thomas PRM; Stablein DM; Kinzie JJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 167
- postoperative adjuvant radiotherapy for adenocarcinoma of the rectum and rectosigmoid, Vigliotti A; Rich TA; Romsdahl MM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 999
- postoperative radiation therapy of rectal cancer, Tepper JE; Cohen AM; Wood WC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 5
- preoperative and postoperative CT staging of rectosigmoid carcinoma, Thompson WM; Halvorsen KA Jr; Foster WL Jr; et al, *AJR* 1986; 146: 703
- preoperative assessment of the extension of rectal carcinoma: correlation of MR, surgical, and histopathologic findings, Guinet C; Buy J-N; Sezeur A; et al, *JCAT* 1988; 12: 209
- preoperative irradiation of primarily nonresectable adenocarcinoma of the rectum and rectosigmoid, (ab), Pahlman L; Glimelius B; Ginnman C; et al, *Radiology* 1986; 158: 575
- quantitative magnetic resonance imaging in rectal carcinoma, Johnson RJ; Jenkins PR; Isherwood I; et al, *Br J Radiol* 1987; 60: 761
- radioactive needle implants in the treatment of anorectal cancer, Price A; Kerr GR; Arnott SJ, *Clin Radiol* 1988; 39: 186
- reassessing the role of radiology in Hemocult screening, Feczko PJ; Halpert RD, *AJR* 1986; 146: 697
- rectal carcinoma: treatment with Papillon technique and fiberoptic-guided methods, Matar JR; Coffey C II; Maruyama Y, *Radiology* 1988; 168: 562
- rectal lymphoma in homosexual men, (ab), Burkes RL; Meyer PR; Gill PS; et al, *Radiology* 1986; 161: 284
- recurrent rectal cancer: diagnosis with MR imaging versus CT, Krestin GP; Steinbrich W; Friedmann G, *Radiology* 1988; 168: 307
- relationship between duodenal bile acids and colorectal neoplasia, (ab), Moorehead RJ; Campbell GR; Donaldson JD; et al, *Radiology* 1988; 168: 291
- responsibility of radiologists in the preservation of breast and rectum in cancer treatment, Papillon J, *Clin Radiol* 1986; 37: 303
- results of a mass screening program for colorectal cancer, (ab), Miller MP; Stanley TV, *Radiology* 1988; 167: 882
- retrorectal cyst-hamartomas: CT diagnosis, Ottery FD; Carlson RA; Gould H; et al, *JCAT* 1986; 10: 260
- role of preoperative intravenous pyelogram in operations performed for carcinoma of the colon and rectum, (ab), Tartter PI; Steinberg BM, *Radiology* 1987; 162: 290
- sequential 5-fluorouracil and methotrexate: negative experience in metastatic colorectal cancer, Wanderers EH; Fossá SD; Tveit KM; et al, *Acta Oncol* 1987; 26: 289
- staging rectal cancer by MR and CT, Butch RJ; Stark DD; Wittenberg J; et al, *AJR* 1986; 146: 1155
- Rectum, radiography**
- interventional colorectal endoscopic procedures: residual lesions on follow-up double-contrast barium enema study, Bartram CI; Hall-Craggs MA, *Radiology* 1987; 162: 835
- solitary rectal ulcer syndrome: findings at barium enema study and defecography, Goei R; Baeten C; Arends JW, *Radiology* 1988; 168: 303
- width of the presacral space in Nigerian adults, Akamaguna AI; Odita JC, *Gastrointest Radiol* 1986; 11: 370
- Rectum, radionuclide studies**
- colorectal carcinoma: detection with indium-111 anticarcinoma embryonic antigen monoclonal antibody ZCE-025, Abdel-Nabi HH; Schwartz AN; Higano CS; Wechter DG; Unger MW, *Radiology* 1987; 164: 617
- scintigraphic assessment of neorectal motor function, O'Connell PR; Kelly KA; Brown ML, *J Nucl Med* 1986; 27: 460
- Rectum, surgery**
- ringlike rectal ulcers after biopsy or polypectomy, Lev-Toaff AS; Levine MS; Laufer I; et al, *AJR* 1987; 148: 285
- Rectum, therapeutic radiology**
- adjuvant postoperative radiotherapy in carcinoma of the rectum and recto-sigmoid, Wiggensrad R; Ravasz LA; Probst-van Zuylen FE, *Int J Radiat Oncol Biol Phys* 1988; 15: 753
- carcinoma of the rectum: 508 patients with failure analysis and implication for adjuvant therapy, Bethune WA, *J Canad Assoc Radiol* 1987; 38: 209
- dose response to preoperative irradiation in rectal cancer: implications for local control and complications associated with sphincter sparing surgery and abdominoperineal resection, Fortier GA; Krochak RJ; Kim JA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1559
- early effects of preoperative irradiation upon the cell cycle composition in rectal adenocarcinomas: flow-cytometric DNA investigation, Hammargberg C; Tribukait B; Ohman U, *Acta Oncol* 1986; 25: 45
- endocavitary irradiation for rectal cancer and villous adenomas, Kovalic JJ, *Int J Radiat Oncol Biol Phys* 1988; 14: 261
- endocavitary rectal irradiation technique, Podgorsak EB; Evans MDC, *Int J Radiat Oncol Biol Phys* 1987; 13: 1937
- extramedullary plasmacytoma of the rectum: two cases treated by radiotherapy, Price A; Quilty PM; Ludgate SM, *Clin Radiol* 1987; 38: 283
- high dose preoperative radiation and sphincter preservation in the treatment of rectal cancer, Mohiuddin M; Marks GJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 839
- local control with pre-operative radiotherapy alone versus "sandwich" radiotherapy for rectal carcinoma, Shank B; Enker W; Santana J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 111
- long-term results and complications of preoperative radiation in the treatment of rectal cancer, (ab), Reed WP; Garb JL; Park WC; et al, *Radiology* 1988; 169: 881
- perineal effects of postoperative treatment for adenocarcinoma of the rectum, Thomas PRM; Stablein DM; Kinzie JJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 167
- postoperative adjuvant radiotherapy for adenocarcinoma of the rectum and rectosigmoid, Vigliotti A; Rich TA; Romsdahl MM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 999
- postoperative radiation therapy of rectal cancer, Tepper JE; Cohen AM; Wood WC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 5
- preoperative irradiation of primarily nonresectable adenocarcinoma of the rectum and rectosigmoid, (ab), Pahlman L; Glimelius B; Ginnman C; et al, *Radiology* 1986; 158: 575
- rectal carcinoma: treatment with Papillon technique and fiberoptic-guided methods, Matar JR; Coffey C II; Maruyama Y, *Radiology* 1988; 168: 562
- recurrent rectal cancer: diagnosis with MR imaging versus CT, Krestin GP; Steinbrich W; Friedmann G, *Radiology* 1988; 168: 307
- Rectum, ulcers**
- interventional colorectal endoscopic procedures: residual lesions on follow-up double-contrast barium enema study, Bartram CI; Hall-Craggs MA, *Radiology* 1987; 162: 835
- pressure and prolapse: the cause of solitary rectal ulceration, (ab), Womack NR; Williams NS; Holmfeld JHM; et al, *Radiology* 1988; 167: 883
- ringlike rectal ulcers after biopsy or polypectomy, Lev-Toaff AS; Levine MS; Laufer I; et al, *AJR* 1987; 148: 285
- solitary rectal ulcer syndrome: diagnosis with defecography, Goei R; Baeten C; Arends JW, *Radiology* 1988; 168: 303
- solitary rectal ulcer syndrome: findings at barium enema study and defecography, Goei R; Baeten C; Arends JW, *Radiology* 1988; 168: 303
- solitary rectal ulcer syndrome: radiologic diagnosis?, Levine MS; Piccolello ML; Sollenberger LC; et al, *Gastrointest Radiol* 1986; 11: 187
- Rectum, US studies**
- colorectal neoplasms: accuracy of US in demonstrating the depth of invasion, Wang KY; Kimmey MB; Nyberg DA; Mack LA; Haggitt RC; Shuman WP; Franklin DW; Silverstein FE, *Radiology* 1987; 165: 827
- endorectal ultrasound of the rectal wall, Rifkin MD, *Semin US CT MR* 1987; 8: 424
- endosonographic staging of rectal carcinoma, DiCandio G; Mosca F; Campatelli A; et al, *Gastrointest Radiol* 1987; 12: 289
- tailgut cyst: diagnosis with CT and sonography, Johnson AR; Ros PR; Hjermstad BM, *AJR* 1986; 147: 1309
- Red blood cells**
- enhancement of red blood cell proton relaxation with chromium labeling, Eisenberg AD; Conturo TE; Mitchell MR; et al, *Invest Radiol* 1986; 21: 137
- in vivo red blood cell compatibility testing using indium-113m tropolone-labeled red blood cells, Morrissey GJ; Gravelle D; Dietz G; et al, *J Nucl Med* 1988; 29: 684
- lack of effect of pulsed ultrasound on ABO antigens of human erythrocytes *in vitro*, Miller DL; Lamore BJ; Boraker DK, *Ultrasound Med Biol* 1986; 12: 209
- red blood cell labeling with technetium-99m: effect of radiopaque contrast agents, Finkel J; Chervu LJ; Bernstein RG; et al, *Clin Nucl Med* 1988; 13: 166
- technetium-99m labeling of red blood cells: *in vitro* evaluation of a new approach, Kelbaek H, *J Nucl Med* 1986; 27: 1770
- technetium-99m red blood cell labeling in patients treated with doxorubicin, Ballinger JR; Gerson B; Gulenchyn KY; et al, *Clin Nucl Med* 1988; 13: 169
- Red blood cells, radionuclide studies**
- dosimetry of technetium-99m red blood cells labeled *in vivo*, Ponto JA, *Clin Nucl Med* 1988; 13: 342
- pitfalls of gastrointestinal bleeding studies with ^{99m}Tc-labeled RBCs, Lecklitner ML; Hughes JJ, *Semin Nucl Med* 1986; 16: 151
- splenic implants: evaluation with radionuclide methods, Abu-Nema T; Nawaz K; Sadek S; Ayyash K; Tibblin S; Al-Mohannadi S; Abdel-Dayem HM, *Radiology* 1987; 163: 641
- suboptimal red blood cell labeling with ^{99m}Tc, duCret RP; Boudreau RJ; Larson T; et al, *Semin Nucl Med* 1988; 18: 74
- Renal angiography**
- See also Kidney: Renal arteries; Renal veins
- angiographic assessment of potential renal transplant donors, Derauf B; Goldberg ME, *Radiol Clin North Am* 1987; 25: 261
- angiography in non-functioning renal allografts receiving cyclosporin A, Thomsen HS; Rygaard H; Nielsen SL; et al, *Acta Radiol* 1987; 28: 313
- arterial digital angiography in the evaluation of potential renal donors, Petty W; Spigos DG; Abejo R; et al, *Invest Radiol* 1986; 21: 122
- arteriography of renal transplantation, Gedroyc WMW; Reidy JF; Saxton HM, *Clin Radiol* 1987; 38: 239
- computer processed fluoroscopic images for digital intravenous renal angiography, Strauss LG; Busch HP; Prager P; et al, *Eur J Radiol* 1986; 6: 78
- digital intravenous subtraction angiography in the evaluation of reconstructed renal arteries, Saeed M; Braun SD; Illiescas FF; et al, *Cardiovasc Intervent Radiol* 1987; 10: 205

Renal angiography

experimental studies of renal blood flow by digitized functional angiography, (ab), Bursch JH; Ochs C; Hahne HJ; et al, *Radiology* 1986; 158: 574

fibromuscular dysplasia of renal arteries: comparison of intravenous digital subtraction angiography with conventional angiography, Illescas FF; Braun SD; Cohan RH; et al, *J Canad Assoc Radiol* 1988; 39: 167

interventional radiology in renal neoplasms, Wallace S; Charnsangavej C; Carrasco CH; et al, *Semin Roentgenol* 1987; 22: 303

intraarterial digital subtraction angiography of renal transplants, Roeren T; Hauenstein K; Dinkel E; et al, *Urol Radiol* 1986; 8: 77

intravenous digital subtraction angiography in the evaluation of potential renal donors, (ab), Sussman SK; Weinerth JL; Braun SD; et al, *Radiology* 1988; 166: 587

parametric imaging applied to renal digital subtraction angiography: establishment of normal ranges, Hunter JV, *Urol Radiol* 1986; 8: 204

percutaneous transluminal angioplasty for renovascular hypertension in arteritis: experience in China, Dong Z-j; Li S; Lu X, *Radiology* 1987; 162: 477

prostaglandin levels in human renal venous blood during renal arteriography, Paajanen H; Satokari K; Uotila P; et al, *Eur J Radiol* 1986; 6: 132

renal artery stenosis: evaluation with intravenous digital subtraction angiography, Wilms GE; Baert AL; Staessen JA; Amery AK, *Radiology* 1986; 160: 713

renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features, Shirkhoda A; Lewis E, *Radiology* 1987; 162: 353

renal trauma: radiological studies, Saibil EA, *Radiology* 1986; 158: 563

renal trauma: radiological studies, Kotval PS; Weingarten M, *Radiology* 1986; 158: 563

renal trauma: radiological studies: reply, Lang EK, *Radiology* 1986; 158: 564

segmental renal venous catheterization: technical note, Zalev AH, *J Canad Assoc Radiol* 1986; 37: 100

vascular complications in renal allografts: detection with duplex Doppler US, Taylor KJW; Morse SS; Rigby CM; Bia M; Schiff M, *Radiology* 1987; 162: 31

venous digital subtraction angiography in the evaluation of renovascular hypertension, (ab), Pistolesi GF; Maso R; Filosto L; et al, *Radiology* 1986; 158: 574

Renal arteries

See also Kidney: Renal angiography
extrarenal arterial connections of the normal renal artery, Wilkins RA; Sandin B; Price A; et al, *Cardiovasc Intervent Radiol* 1986; 9: 119

intermittent hydronephrosis: unique feature of ureteropelvic junction obstruction caused by a crossing renal vessel, Evison G, *Radiology* 1986; 159: 283

Renal arteries, abnormalities

unusual congenital abnormality of the renal artery: left renal artery arising from the right renal artery, (ab), Konya A, *Radiology* 1986; 158: 574

Renal arteries, embolism

See Embolism, renal

Renal arteries, fibrodysplasia

case report: fibromuscular dysplasia of the cephalic and renal arteries, Manns RA; Nanda KK; Mackie G, *Clin Radiol* 1987; 38: 427

fibromuscular dysplasia of renal arteries: comparison of intravenous digital subtraction angiography with conventional angiography, Illescas FF; Braun SD; Cohan RH; et al, *J Canad Assoc Radiol* 1988; 39: 167

Renal arteries, injuries

delayed rupture of renal artery after renal percutaneous transluminal angioplasty, Puijlaert CBAJ; Mali WPTM; Rosenbusch G; van Straalen AM; Klinge J; Feldberg MAM, *Radiology* 1986; 159: 635

retrograde opacification of the renal vein: CT sign of renal artery avulsion, Cates JD; Foley WD; Lawson TL, *Urol Radiol* 1986; 8: 92

Renal arteries, interventional procedure

See Renal arteries, transluminal angioplasty

Renal arteries, occlusion

See Renal arteries, stenosis or obstruction

Renal arteries, rupture

renal arterial rupture secondary to percutaneous transluminal angioplasty treated without surgical intervention, Dixon GD; Anderson S; Crouch TT, *Cardiovasc Intervent Radiol* 1986; 9: 83

Renal arteries, stenosis or obstruction

azotemia caused by renal artery stenosis: treatment by percutaneous angioplasty, Martin LG; Casarella WJ; Gaylord GM, *AJR* 1988; 150: 839

captopril renography in two kidney and one kidney Goldblatt hypertension in dogs, Nally JV Jr; Clarke HS Jr; Gupta BK; et al, *J Nucl Med* 1987; 28: 1171

case report: renovascular hypertension in Takayasu's disease treated by percutaneous transluminal angioplasty, Cook PG; Wells IP; Marshall AJ, *Clin Radiol* 1986; 37: 583

duplex ultrasound scanning in the diagnosis of renal artery stenosis: a prospective evaluation, (ab), Taylor DC; Kettler MD; Moneta GL; et al, *Radiology* 1988; 169: 288

focal renal artery stenosis caused by fibromuscular dysplasia: treatment by percutaneous transluminal angioplasty, Archibald GR; Beckmann CF; Libertino JA, *AJR* 1988; 151: 593

induced renal artery stenosis in rabbits: magnetic resonance imaging, angiography, and radionuclide determination of blood volume and blood flow, Mitchell DG; Tobin M; LeVein R; et al, *Magn Res Imag* 1988; 6: 113

noninvasive Doppler assessment of renal artery stenosis and hemodynamics, Greene ER; Avasthi PS; Hodges JW, *JCU* 1987; 15: 653

normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting, Palmaz JC; Kopp DT; Hayashi H; Schatz RA; Hunter G; Tio FO; Garcia O; Alvarado R; Rees C; Thomas SC, *Radiology* 1987; 164: 705

percutaneous transluminal angioplasty: delayed response in neurofibromatosis, Gardiner GA Jr; Freedman AM; Shlansky-Goldberg R, *Radiology* 1988; 169: 79

percutaneous transluminal angioplasty for renovascular hypertension in arteritis: experience in China, Dong Z-j; Li S; Lu X, *Radiology* 1987; 162: 477

percutaneous transluminal angioplasty of renal transplant arterial stenoses, Raynaud A; Bedrossian J; Remy P; et al, *AJR* 1986; 146: 853

percutaneous transluminal angioplasty of the renal arteries: double-catheter technique, Baker KS; Sawyer RW; Tisnado J; Cho S-R, *Radiology* 1986; 159: 554

percutaneous transluminal renal angioplasty in children and adolescents, Mali WPTM; Puijlaert CBAJ; Kouwenberg HJ; Klinge J; Donckervolcke RAMG; Geijskes BG; Overbosch EH; Rosenbusch GJE; Ludwig WW; Feldberg MAM, *Radiology* 1987; 165: 391

posttransplant renal artery stenosis: angiographic study in 32 children, Stanley P; Malekzadeh M; Diamant MJ, *AJR* 1987; 148: 487

renal artery angioplasty: increased technical success and decreased complications in the second 100 patients, Martin LG; Casarella WJ; Alspaugh JP; Chuang VP, *Radiology* 1986; 159: 631

renal artery stenosis: duplex Doppler evaluation, Dubbins PA, *Br J Radiol* 1986; 59: 225

renal artery stenosis: evaluation with intravenous digital subtraction angiography, Wilms GE; Baert AL; Staessen JA; Amery AK, *Radiology* 1986; 160: 713

renal artery stenosis: the use of duplex ultrasound as a screening technique, Robertson R; Murphy A; Dubbins PA, *Br J Radiol* 1988; 61: 196

renal failure and advanced atherosclerotic lesions: salvage by vascular reconstruction, (ab), Elmore JR; Ray FS; Dillihunt RC; et al, *Radiology* 1988; 169: 288

renovascular hypertension caused by compression of the renal artery by the diaphragmatic crus, Spies JB; LeQuire MH; Robison JC; et al, *AJR* 1987; 149: 1195

techniques of renal angioplasty, Tegtmeyer CJ; Sos TA, *Radiology* 1986; 161: 577

vascular complications in renal allografts: detection with duplex Doppler US, Taylor KJW; Morse SS; Rigby CM; Bia M; Schiff M, *Radiology* 1987; 162: 31

Renal arteries, therapeutic blockade

chemical ablation of the canine kidney using sodium tetradeceyl sulfate (Sotradecol): histopathologic study, Griffin DJ; Oke EJ; Cho KJ; et al, *Invest Radiol* 1986; 21: 217

comparison of hot contrast material and hot saline for renal ablation in a canine model, Miller DL; Bacher JD; O'Leary TJ; et al, *Invest Radiol* 1986; 21: 56

embolization techniques in the urinary tract, McLean GK; Meranze SG, *Radiol Clin North Am* 1986; 24: 671

extrarenal arterial connections of the normal renal artery, Wilkins RA; Sandin B; Price A; et al, *Cardiovasc Intervent Radiol* 1986; 9: 119

renal embolisation for urinary fistula using alcohol (chemical nephrectomy), Rahman M; Koneu SR; McEwan AB, *Br J Radiol* 1986; 59: 940

renal embolization: a study of the interaction of contrast media and ethanol, Hoogewoud H-M; Petropoulos P, *Cardiovasc Intervent Radiol* 1987; 10: 219

selective renal embolization for hematuria: coordination with cystoscopy, Swartz DA; McLellan GL; Mitchell D; et al, *AJR* 1988; 150: 325

selective therapeutic embolization of renal cell carcinoma in solitary kidneys, (ab), Kozak BE; Keller FS; Rosch J; et al, *Radiology* 1987; 165: 884

testicular infarction following ethanol embolization of a renal neoplasm, Siniluoto TMJ; Hellström PA; Pääväsalo MJ; et al, *Cardiovasc Intervent Radiol* 1988; 11: 162

therapeutic embolization of renal artery to control severe hypertension due to renal trauma, Cotroneo AR; Patane D; de Cincque M; et al, *Eur J Radiol* 1987; 7: 147

transcatheter renal arterial embolization with the mixture of ethanol and iodized oil (Lipiodol®), Park JH; Jeon SC; Kang HS; et al, *Invest Radiol* 1986; 21: 577

Renal arteries, thrombosis

intraarterial low-dose streptokinase infusion in the treatment of acute renal thromboembolism, Wilms GE; Vermeylen J; Baert AL, *Eur J Radiol* 1987; 7: 72

traumatic thrombosis of a segmental branch of the renal artery, (ab), Cass AS; Luxenberg M, *Radiology* 1987; 165: 884

Renal arteries, transluminal angioplasty

azotemia caused by renal artery stenosis: treatment by percutaneous angioplasty, Martin LG; Casarella WJ; Gaylord GM, *AJR* 1988; 150: 839

case report: renovascular hypertension following radiotherapy and chemotherapy treated by transluminal angioplasty, Minton MJ; McIvor J; Cappuccino FP; et al, *Clin Radiol* 1986; 37: 399

case report: renovascular hypertension in Takayasu's disease treated by percutaneous transluminal angioplasty, Cook PG; Wells IP; Marshall AJ, *Clin Radiol* 1986; 37: 583

complications after percutaneous transluminal angioplasty of peripheral and renal arteries, Bergqvist D; Jonsson K; Weibull H, *Acta Radiol* 1987; 28: 3

complications of transluminal angioplasty, Gardiner GA Jr; Meyerovitz MF; Stokes KR; Clouse ME; Harrington DP; Bettmann MA, *Radiology* 1986; 159: 201

complications of transluminal angioplasty, McDermott JC; Crummy AB; Voegeli DR; Starck EE, *Radiology* 1987; 162: 286

complications of transluminal angioplasty: reply, Gardiner GA Jr; Meyerovitz MF; Harrington DP, *Radiology* 1987; 162: 287

- delayed rupture of renal artery after renal percutaneous transluminal angioplasty. Fujitaert CBAJ; Mali WPTM; Rosenbusch G; van Straalen AM; Klinge J; Feldberg MAM. *Radiology* 1986; 159: 635
- failed percutaneous transluminal renal angioplasty: experience with lesions requiring operative intervention. (ab). Dean RH; Callis JT; Smith BM; et al. *Radiology* 1988; 167: 588
- finding and dilating renal artery stenoses for hypertension. Sherwood T. *Clin Radiol* 1988; 39: 359
- focal renal artery stenosis caused by fibromuscular dysplasia: treatment by percutaneous transluminal angioplasty. Archibald GR; Beckmann CF; Libertino JA. *AJR* 1988; 151: 593
- normal and stenotic renal arteries: experimental balloon-expandable intraluminal stenting. Palmaz JC; Kopp DT; Hayashi H; Schatz RA; Hunter G; Tio FO; Garcia O; Alvarado R; Rees C; Thomas SC. *Radiology* 1987; 164: 705
- percutaneous transluminal angioplasty: delayed response in neurofibromatosis. Gardiner GA Jr; Freedman AM; Shlansky-Goldberg R. *Radiology* 1988; 169: 79
- percutaneous transluminal angioplasty for renovascular hypertension in arteritis: experience in China. Dong Z-J; Li S; Lu X. *Radiology* 1987; 162: 477
- percutaneous transluminal angioplasty of renal transplant artery stenosis. Clements R; Evans C; Salaman JR. *Clin Radiol* 1987; 38: 235
- percutaneous transluminal angioplasty of renal transplant arterial stenoses. Raynaud A; Bedrossian J; Remy P; et al. *AJR* 1986; 146: 853
- percutaneous transluminal angioplasty of the renal arteries: double-catheter technique. Baker KS; Sawyer RW; Tisnado J; Cho S-R. *Radiology* 1986; 159: 554
- percutaneous transluminal renal angioplasty in children and adolescents. Mali WPTM; Fujitaert CBAJ; Kouwenberg HJ; Klinge J; Donckerwolcke RAMG; Geijkes BG; Overbosch EH; Rosenbusch GJE; Ludwig WW; Feldberg MAM. *Radiology* 1987; 165: 391
- renal arterial rupture secondary to percutaneous transluminal angioplasty treated without surgical intervention. Dixon GD; Anderson S; Crouch TT. *Cardiovasc Intervent Radiol* 1986; 9: 83
- renal artery angioplasty: increased technical success and decreased complications in the second 100 patients. Martin LG; Casarella WJ; Alspaugh JP; Chuang VP. *Radiology* 1986; 159: 631
- techniques of renal angioplasty. Tegtmeyer CJ; Sos TA. *Radiology* 1986; 161: 577
- transient hypertension after percutaneous transluminal renal artery angioplasty. Svigals PJ; McLean GK; Davis JE; Meranze SG; Burke DR. *Radiology* 1986; 161: 293
- transluminal angioplasty of the renal arteries. Freiman DB. *Radiol Clin North Am* 1986; 24: 665
- unusual transplant renal angioplasty complication: case report. Weisman ID; Ney AL; Andrievic JH; et al. *Cardiovasc Intervent Radiol* 1988; 11: 97
- Renal arteries, US studies**
- clot formation in the renal artery in the neonate demonstrated by ultrasound. Seibert JJ; Lindley SG; Corbitt SS; et al. *JCU* 1986; 14: 470
- duplex ultrasound scanning in the diagnosis of renal artery stenosis: a prospective evaluation. (ab). Taylor DC; Kettler MD; Moneta GL; et al. *Radiology* 1988; 169: 288
- echo-Doppler velocimeter in the diagnosis of hypertensive patients: renal artery Doppler technique. Handa N; Fukunaga R; Uehara A; et al. *Ultrasound Med Biol* 1986; 12: 945
- efficacy of echo-Doppler examination for the evaluation of renovascular disease. Handa N; Fukunaga R; Etani H; et al. *Ultrasound Med Biol* 1988; 14: 1
- noninvasive Doppler assessment of renal artery stenosis and hemodynamics. Greene ER; Avasthi PS; Hodges JW. *JCU* 1987; 15: 653
- renal artery stenosis: duplex Doppler evaluation. Dubbins PA. *Br J Radiol* 1986; 59: 225
- renal artery stenosis: the use of duplex ultrasound as a screening technique. Robertson R; Murphy A; Dubbins PA. *Br J Radiol* 1988; 61: 196
- unusual clinical presentations of bilateral renal artery aneurysms in a child: the value of ultrasound in diagnosis. Walsh JS; Hendry GMA; Utley WS. *Pediatr Radiol* 1987; 17: 436
- Renal veins**
- See also Kidney: Renal angiography
- bladder deformity: a sign of major inferior venous obstruction. two case reports and a review. Pierce ME. *Australas Radiol* 1988; 32: 107
- segmental renal venous catheterization: technical note. Zalev AH. *J Canad Assoc Radiol* 1986; 37: 100
- Renal veins, abnormalities**
- left renal vein hypertension in patients with left renal bleeding of unknown origin. Nishimura Y; Fushiki M; Yoshida M; Nakamura K; Imai M; Ono T; Morikawa S; Hatayama T; Komatz Y. *Radiology* 1986; 160: 663
- retroaortic left renal vein: interpretive pitfall on computed tomography. Hall JT; Kaval B. *CT* 1986; 10: 55
- ultrasound demonstration of the retroaortic left renal vein. Kinard RE; Orrison WW. *JCU* 1986; 14: 151
- Renal veins, neoplasms**
- renal cell carcinoma: dynamic thin-section CT assessment of vascular invasion and tumor vascularity. Zeman RK; Cronan JJ; Rosenfield AT; Lynch JH; Jaffe MH; Clark LR. *Radiology* 1988; 167: 393
- Renal veins, stenosis or obstruction**
- unusual causes of increased vascular impedance in renal transplants: duplex Doppler evaluation. Warshawer DM; Taylor KJW; Bia MJ; Marks WH; Weltin GG; Rigby CM; True LD; Lorber ML. *Radiology* 1988; 169: 367
- Renal veins, thrombosis**
- acute renal vein thrombosis: successful treatment with intraarterial urokinase. Vogelzang RL; Moel DI; Cohn RA; Donaldson JS; Langman CB; Nemcek AA Jr. *Radiology* 1988; 169: 681
- bone scan detection of renal vein thrombosis secondary to hypernephroma. Swayne LC. *Clin Nucl Med* 1986; 11: 133
- in utero sonographic findings in fetal renal vein thrombosis with calcifications. Patel RB; Connors JJ. *J Ultrasound Med* 1988; 7: 349
- magnetic resonance imaging of renal vein and inferior vena cava thrombosis in a patient with glomerulonephritis: a case report. Honda H; Yuh WTC; Lu CC. *CT* 1988; 12: 147
- renal cell carcinoma: dynamic thin-section CT assessment of vascular invasion and tumor vascularity. Zeman RK; Cronan JJ; Rosenfield AT; Lynch JH; Jaffe MH; Clark LR. *Radiology* 1988; 167: 393
- renal scintigraphic findings in a case of transplant renal vein thrombosis. Myerly KF; Kirchner PT. *Clin Nucl Med* 1988; 13: 426
- renal vein thrombosis in patients with nephrotic syndrome: CT diagnosis. Gatewood OMB; Fishman EK; Burrow CR; Walker WG; Goldman SM; Siegelman SS. *Radiology* 1986; 159: 117
- selective low-dose streptokinase infusion in the treatment of acute transplant renal vein thrombosis. Robinson JM; Cockrell CH; Tisnado J; et al. *Cardiovasc Intervent Radiol* 1986; 9: 86
- simultaneous renal vein thrombosis and bilateral adrenal hemorrhage: MR demonstration. Koch KJ; Cory DA. *JCAT* 1986; 10: 681
- thrombosed right renal vein varix simulating a renal pelvic mass. Curry NS; Frangos DN; Stanley JH. *Urol Radiol* 1987; 9: 36
- Renal veins, US studies**
- ultrasound demonstration of the retroaortic left renal vein. Kinard RE; Orrison WW. *JCU* 1986; 14: 151
- unusual causes of increased vascular impedance in renal transplants: duplex Doppler evaluation. Warshawer DM; Taylor KJW; Bia MJ; Marks WH; Weltin GG; Rigby CM; True LD; Lorber ML. *Radiology* 1988; 169: 367
- Respiratory distress syndrome**
- clinically unsuspected hypoxia during sleep and feeding in infants with bronchopulmonary dysplasia. (ab). Garg M; Kurzner SI; Bautista DB; et al. *Radiology* 1988; 169: 887
- course of bronchopulmonary dysplasia: radiographic follow-up. Mortenson W; Lindroth M. *Acta Radiol* 1986; 27: 19
- diffuse pulmonary opacification in infants undergoing extracorporeal membrane oxygenation: clinical and pathologic correlation. Taylor GA; Lotze A; Kapur S; Short BL. *Radiology* 1986; 161: 347
- exogenous lung surfactant: effect on radiographic appearance in premature infants. Wood BP; Sinkin RA; Kendig JW; Notter RH; Shapiro DL. *Radiology* 1987; 165: 11
- progression of morphologic changes in bronchopulmonary dysplasia. (ab). Erickson AM; de la Monte SM; Moore GW; et al. *Radiology* 1987; 165: 587
- radiologic observations in severe neonatal respiratory distress syndrome treated with the isolated phospholipid fraction of natural surfactant. Mortenson W; Noack G; Curstedt T; et al. *Acta Radiol* 1987; 28: 389
- randomized controlled trial of exogenous surfactant for the treatment of hyaline membrane disease. (ab). Gitlin JD; Soll RF; Parad RB; et al. *Radiology* 1987; 164: 295
- respiratory illnesses in survivors of infant respiratory distress syndrome. (ab). Myers MC; McGuinness GA; Lachenbruch PA; et al. *Radiology* 1986; 161: 576
- Respiratory distress syndrome, adult**
- adult respiratory distress syndrome: acute alveolar damage. Greene R. *Radiology* 1987; 163: 57
- adult respiratory distress syndrome after limited thoracic radiotherapy. (ab). Fulkerson WJ; McLendon RE; Prosnitz LR. *Radiology* 1986; 161: 573
- early diagnosis of adult respiratory distress syndrome: an experimental model of complement-mediated pulmonary injury. Giomarelli PP; Chiari O; Borrelli E; et al. *J Thorac Imag* 1988; 3-3: 15
- inflammatory pulmonary edema and positive end-expiratory pressure: correlations between imaging and physiologic studies. Gattinoni L; Pesenti A; Baglioni S; et al. *J Thorac Imag* 1988; 3-3: 59
- monitoring pulmonary vascular permeability using radiolabeled transferrin. Basran GS; Hardy J. *J Thorac Imag* 1988; 3-3: 28
- noncardiogenic pulmonary edema caused by decompression sickness: rapid resolution following hyperbaric therapy. Zwirerich CV; Müller NL; Abboud RT; Lepawsky M. *Radiology* 1987; 163: 81
- pulmonary vascular obstruction in severe ARDS: angiographic alterations after IV fibrinolytic therapy. Greene R; Lind S; Jantsch H; et al. *AJR* 1987; 148: 501
- Retina**
- retinal and choroidal detachments: role of magnetic resonance imaging and computed tomography. Mafee MF; Peyman GA. *Radiol Clin North Am* 1987; 25: 487
- Retina, blood supply**
- microangiopathic syndrome of encephalopathy, hearing loss, and retinal arteriolar occlusions. (ab). Monteiro MLR; Swanson RA; Coppeto JR; et al. *Radiology* 1986; 159: 822
- Retina, CT**
- retinoblastoma and simulating lesions: role of CT and MR imaging. Mafee MF; Goldberg MF; Greenwald MJ; et al. *Radiol Clin North Am* 1987; 25: 667
- Retina, hemorrhage**
- retinal hemorrhage after cardiopulmonary resuscitation or child abuse. (ab). Kanter RK. *Radiology* 1986; 160: 575
- Retina, MR studies**
- retinoblastoma and simulating lesions: role of CT and MR imaging. Mafee MF; Goldberg MF; Greenwald MJ; et al. *Radiol Clin North Am* 1987; 25: 667

Retina, neoplasms

Retina, neoplasms

- external beam treatment technique for retinoblastoma, Chin LM; Harter KW; Swenson GK; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 455
- hemorrhagic intracranial retinoblastoma metastases: MR-pathology correlation, Atlas SW; Kemp SS; Rorke L; et al, *JCAT* 1988; 12: 286
- improved early beam radiotherapy for the treatment of retinoblastoma, Harnett AN; Hungerford JL; Lambert GD; et al, *Br J Radiol* 1987; 60: 753
- radiation therapy for retinoblastoma: comparison of results with lens-sparing versus lateral beam techniques, McCormick B; Ellsworth R; Abramson D; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 567
- retinoblastoma and simulating lesions: role of CT and MR imaging, Mafee MF; Goldberg MF; Greenwald MJ; et al, *Radiol Clin North Am* 1987; 25: 667

Retinoblastoma

See Retina, neoplasms

Retroperitoneal space

See also Abdomen

- extraperitoneal spaces, Rubenstein WA; Whalen JP, *AJR* 1986; 147: 1162
- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

Retroperitoneal space, abscess

- bridging septa of the perinephric space: anatomic, pathologic, and diagnostic considerations, Kunin M, *Radiology* 1986; 158: 361
- percutaneous management of retroperitoneal abscesses, (ab), Gordon DH; Macchia RJ; Glanz S; et al, *Radiology* 1988; 167: 293
- renal and related retroperitoneal abscesses: percutaneous drainage, Sacks D; Banner MP; Meranze SG; Burke DR; Robinson M; McLean GK, *Radiology* 1988; 167: 447

Retroperitoneal space, air

- pneumoretroperitoneum following iliac crest trephine, Williams MP; Ford GA, *Br J Radiol* 1986; 59: 935

Retroperitoneal space, anatomy

- bridging septa of the perinephric space: anatomic, pathologic, and diagnostic considerations, Kunin M, *Radiology* 1986; 158: 361

- perirenal spaces: CT evidence for communication across the midline, Kneeland JB; Auh YH; Rubenstein WA; Zitrinsky K; Morrison H; Whalen JP; Kazam E, *Radiology* 1987; 164: 657

- renal fascial pathway: posterior extension of pancreatic effusions within the anterior pararenal space, Raptopoulos V; Kleinman PK; Marks S Jr; Snyder M; Silverman PM, *Radiology* 1986; 158: 367
- variable anteroposterior position of the retroperitoneal colon to the kidneys, Hopper KD; Sherman JL; Williams MD; et al, *Invest Radiol* 1987; 22: 298

Retroperitoneal space, CT

- bridging septa of the perinephric space: anatomic, pathologic, and diagnostic considerations, Kunin M, *Radiology* 1986; 158: 361

- Castleman disease of the retroperitoneum: CT demonstration, Greenstein S; Fishman EK; Kaufman SL; et al, *JCAT* 1986; 10: 547

- computed tomography in the follow-up of retroperitoneal fibrosis, Brooks AP; Resnek RH; Webb JAW; et al, *Clin Radiol* 1987; 38: 597

- computed tomography of pseudocysts in retroperitoneal fibrosis, Feldberg MAM; van Waes PFGM, *JCAT* 1987; 11: 485

- computed tomography of retroperitoneal cystic lymphangiomas, Munechika H; Honda M; Kushihasi T; et al, *JCAT* 1987; 11: 116

- CT demonstration of rapid improvement of retroperitoneal fibrosis in response to steroid therapy, Smith SJ; Bosniak MA; Megibow AJ; et al, *Urol Radiol* 1986; 8: 104

- CT findings in circumscribed upper abdominal idiopathic retroperitoneal fibrosis, Inaraja L; Franquet T; Caballero P; et al, *JCAT* 1986; 10: 1063
- detection of retroperitoneal metastases in early-stage nonseminomatous testicular cancer: analysis of different CT criteria, Stomper PC; Fung CY; Socinski MA; et al, *AJR* 1987; 149: 1187

- diagnostic approach to pulmonary lymphangioleiomyomatosis: case report, Bertolani M; Romagnoli R; Barbolini G, *Eur J Radiol* 1987; 7: 60

- retroperitoneal fibrosis presenting as colonic dysfunction: CT diagnosis, Hulnick DH; Chatson GP; Megibow AJ; et al, *JCAT* 1988; 12: 159

- retroperitoneal fibrosis: use of CT in distinguishing among possible causes, Degesys GE; Dunnick NR; Silverman PM; et al, *AJR* 1986; 146: 57

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- retroperitoneal spaces revisited, Dodds WJ; Darweesh RMA; Lawson TL; et al, *AJR* 1986; 147: 1155

- magnetic resonance imaging of the retroperitoneum, Graif M; Leung AW-L; Steiner RE; et al, *Clin Radiol* 1986; 37: 441

Retroperitoneal space, neoplasms

- CT appearance of hemangiopericytoma, Alpern MB; Thorsen MK; Kellman GM; et al, *JCAT* 1986; 10: 264

- detection of retroperitoneal metastases in early-stage nonseminomatous testicular cancer: analysis of different CT criteria, Stomper PC; Fung CY; Socinski MA; et al, *AJR* 1987; 149: 1187

- interstitial ¹²⁵I implantation in the retreatment of retroperitoneal soft tissue sarcoma: report of a case, Kumar PP; Good RR, *Acta Oncol* 1986; 25: 37

- pseudolymphoma of the retroperitoneum, Suesada Y; Nakao N; Miura K; et al, *Eur J Radiol* 1987; 7: 144

- radiologic features of retroperitoneal cystic hamartoma, de Lange EE; Black WC; Mills SE, *Gastrointest Radiol* 1988; 13: 266

- retroperitoneal and pelvic hemangiopericytomas: clinical, radiologic, and pathologic correlation, Goldman SM; Davidson AJ; Neal J, *Radiology* 1988; 168: 13

- retroperitoneal malignant fibrous histiocytoma: an unusual echographic presentation, Schut JM; van Imhoff WL, *JCU* 1987; 15: 145

- retroperitoneal mass with intradural extension: value of magnetic resonance imaging in neuroblastoma, Dietrich RB; Kangaroo H, *AJR* 1986; 146: 251

- stage I nonseminomatous germ cell tumors of the testis: radiologic follow-up after orchidectomy, Williams MP; Husband JE; Heron CW, *Radiology* 1987; 164: 671

- varied radiographic manifestations of retroperitoneal malignant fibrous histiocytoma revealed through 27 cases, (ab), Goldman SM; Hartman DS; Weiss SW, *Radiology* 1986; 160: 284

- retroperitoneal space, perforation radiologic findings of retroperitoneal perforation after sphincterotomy, Harker L; Hutton L; Passi RB, *J Canad Assoc Radiol* 1986; 37: 169

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- dilated abdominal paraaortic lymphatic duct: a possible pitfall in retroperitoneal US, Verbanck JJ; Vermeulen TJ; Rutgeerts LJ; Depuyt FG; Ghillebert GL; Segart MF; Naessens MH, *Radiology* 1988; 167: 701

- sonographic evaluation of the great vessels' interspace in the pediatric retroperitoneum, Grunebaum M; Ziv N; Kornreich L, *Pediatr Radiol* 1986; 16: 384

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

- retroperitoneal space, US studies adrenal gland and nonrenal retroperitoneum, Yeh H-C, *Urol Radiol* 1987; 9: 127

Ribs, fractures

complex rib fracture presenting as solitary linear focus of increased uptake on bone scan imaging, Morgan K; Winer-Muram H; Massie D, *Clin Nucl Med* 1986; 11: 797

factors affecting visualization of posterior rib fractures in abused infants, Kleinman PK; Marks SC; Adams VI; et al, *AJR* 1988; 150: 635

Ribs, neoplasms

case report 346, Garfin SR; Rothman RH, *Skeletal Radiol* 1986; 15: 72

case report 447, Xipell JM; McConchie I; Wallis PL, *Skeletal Radiol* 1987; 16: 597

case report 448, Nelson MC; Brower AC; Ragdale BD, *Skeletal Radiol* 1987; 16: 601

case report 467, Sundaram M; McGuire MH; Naunheim K; et al, *Skeletal Radiol* 1988; 17: 136

case report 484, Mainwaring BL; Khoury MB; Khodadoust K, *Skeletal Radiol* 1988; 17: 295

scintigraphic diagnosis of rib lesions in patients with lung carcinoma, Matsumoto S; Shibuya H; Umehara I; et al, *Clin Nucl Med* 1987; 12: 960

Ribs, radionuclide studies

attenuation defects caused by prominent clavicles and first ribs in perfusion lung imaging, Lee HK; Skarzynski J, *Clin Nucl Med* 1988; 13: 545

benign histiocytoma (xanthoma) of the rib, Lee JY; Pozderac RV; Domanowski A; et al, *Clin Nucl Med* 1986; 11: 769

bone imaging—"cold rib" sign in bone destruction with adjacent soft tissue mass, Olmos RAV; Nubé MJ; de Pont CWJ, *Semin Nucl Med* 1988; 18: 162

complex rib fracture presenting as solitary linear focus of increased uptake on bone scan imaging, Morgan K; Winer-Muram H; Massie D, *Clin Nucl Med* 1986; 11: 797

intraosseous rheumatoid nodule, Brantley SD; Schlesinger AE; Orzel JA; et al, *Pediatr Radiol* 1987; 17: 432

scintigraphic diagnosis of rib lesions in patients with lung carcinoma, Matsumoto S; Shibuya H; Umehara I; et al, *Clin Nucl Med* 1987; 12: 960

stippled ribs: potential pitfall in bone scan interpretation, Fink-Bennett D; Johnson J, *J Nucl Med* 1986; 27: 216

Rickets

tibial bowing exacerbated by partial premature epiphyseal closure in sex-linked hypophosphatemic rickets, McAllister WH; Kim GS; Whyte MP, *Radiology* 1987; 162: 461

Roentgenograms

See Images

Rubella

echogenic vasculature in the basal ganglia of neonates: a sonographic sign of vasculopathy, Teele RL; Hernandez-Schulman M; Sotrel A, *Radiology* 1988; 169: 423

Ruthenium, radioactive

new ruthenium radiosensitizer: $\text{RuCl}_2(\text{DMSO})_2(4\text{-nitroimidazole})_2$, Chan PKL; Skov KA; James BR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1059

results of high dose 106-ruthenium irradiation of choroidal melanomas, Muller R-P; Busse H; Potter R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1749

S**Sacrum**

general case of the day: annual meeting 1985, McLeod RA, *Radiographics* 1986; 6: 504

magnetic resonance imaging of arachnoid cysts destroying the sacrum, Sundaram M; Awwad EE, *AJR* 1986; 146: 359

Sacrum, CT

CT features of presacral mass: unusual focus of extramedullary hematopoiesis, Chao PW; Farman J; Kapelner S, *JCAT* 1986; 10: 684

CT of sacral injury, Montana MA; Richardson ML; Kilcoyne RF; Harley JD; Shuman WP; Mack LA, *Radiology* 1986; 161: 499

hemangioendothelial sarcoma of the sacrum: CT findings, Lee S, *Comput Radiol* 1986; 10: 51

Sacrum, fractures

case report 491, Hoang T-A; Nguyen TH; Daffner RH; et al, *Skeletal Radiol* 1988; 17: 364

CT of sacral injury, Montana MA; Richardson ML; Kilcoyne RF; Harley JD; Shuman WP; Mack LA, *Radiology* 1986; 161: 499

parasymphyseal and associated insufficiency fractures of the pelvis and sacrum, Davies AM; Evans NS; Struthers GR, *Br J Radiol* 1988; 61: 103

radiation induced fractures of sacrum: CT diagnosis, Rafii M; Firooznia H; Golimbu C; et al, *JCAT* 1988; 12: 231

recurrent radiculopathy in an elderly woman, Marx MV; Panzer FD, *Invest Radiol* 1988; 23: 147

scintigraphic diagnosis of sacral fractures, Balseiro J; Brower AC; Ziessman HA, *AJR* 1987; 148: 111

Sacrum, neoplasms

case report 435, Matsuno T; Kaneda K; Nojima T, *Skeletal Radiol* 1987; 16: 485

case report 452, Bisset GS III; Kaufman RA; Towbin RB; et al, *Skeletal Radiol* 1987; 16: 666

case report 457, Unni KK, *Skeletal Radiol* 1988; 17: 129

cystic sacrococcygeal teratoma: ultrasound diagnosis and perinatal management, Hogge WA; Thiagarajah S; Barber VG; et al, *J Ultrasound Med* 1987; 6: 707

hemangioendothelial sarcoma of the sacrum: CT findings, Lee S, *Comput Radiol* 1986; 10: 51

prenatal diagnosis of sacrococcygeal teratoma: sonographic-pathologic correlation, Sheth S; Nussbaum AK; Sanders RC; Hamper UM; Davidson AJ, *Radiology* 1988; 164: 131

sacral neurofibrosarcoma—case report, Crosbie DC; Carney PG; Sage MR, *Australas Radiol* 1986; 30: 54

sacrococcygeal chordoma: clinicoradiological study of 60 patients, Smith J; Ludwig RL; Marcove RC, *Skeletal Radiol* 1987; 16: 37

scintigraphic features of primary sacral tumors, Rossleugh MA; Smith J; Yeh SDJ, *J Nucl Med* 1986; 27: 627

Sacrum, radionuclide studies

scintigraphic diagnosis of sacral fractures, Balseiro J; Brower AC; Ziessman HA, *AJR* 1987; 148: 111

scintigraphic features of primary sacral tumors, Rossleugh MA; Smith J; Yeh SDJ, *J Nucl Med* 1986; 27: 627

Salivary glands

See also Parotid gland

Salivary glands, abnormalities

major salivary gland masses: comparison of MR imaging and CT, Casselman JW; Mancuso AA, *Radiology* 1987; 165: 183

plunging ranula: CT diagnosis, Charnoff SK; Carter BL, *Radiology* 1986; 158: 467

ranulas and their mimics: CT evaluation, Coit WE; Harnsberger HR; Osborn AG; Smoker WRK; Stevens MH; Lufkin RB, *Radiology* 1987; 163: 211

Salivary glands, CT

benign pleomorphic adenomas of the salivary glands: surface coil MR imaging versus CT, Mirich DR; McArdle CB; Kulkarni MV, *JCAT* 1987; 11: 620

computed tomographic sinography in orthopedic radiology, Egund N; Pettersson H, *Skeletal Radiol* 1988; 17: 96

computed tomography of the submandibular salivary glands, Larson SG; Lufkin RB; Hoover LA, *Acta Radiol* 1987; 28: 693

CT findings in recurrent submandibular pleomorphic adenoma with metastasis, Guglielmo FF; Rao VM; Prestipino AJ; et al, *JCAT* 1987; 11: 1098

CT imaging of the salivary glands, Bryan RN; Mawad ME; Sandlin ME; et al, *Semin US CT MR* 1986; 7: 154

increased salivary gland density on contrast-enhanced CT after head and neck radiation, Bronstein AD; Nyberg DA; Schwartz AN; et al, *AJR* 1987; 149: 1259

major salivary gland masses: comparison of MR imaging and CT, Casselman JW; Mancuso AA, *Radiology* 1987; 165: 183

plunging ranula: CT diagnosis, Charnoff SK; Carter BL, *Radiology* 1986; 158: 467

ranulas and their mimics: CT evaluation, Coit WE; Harnsberger HR; Osborn AG; Smoker WRK; Stevens MH; Lufkin RB, *Radiology* 1987; 163: 211

Salivary glands, MR studies

benign pleomorphic adenomas of the salivary glands: surface coil MR imaging versus CT, Mirich DR; McArdle CB; Kulkarni MV, *JCAT* 1987; 11: 620

major salivary gland masses: comparison of MR imaging and CT, Casselman JW; Mancuso AA, *Radiology* 1987; 165: 183

Salivary glands, neoplasms

benign mixed tumor of salivary gland origin presenting as a mediastinal mass, Gale JT; Mendelson DS; Cohen BA; et al, *CT* 1986; 10: 23

benign pleomorphic adenomas of the salivary glands: surface coil MR imaging versus CT, Mirich DR; McArdle CB; Kulkarni MV, *JCAT* 1987; 11: 620

common tumors of the parapharyngeal space: refined imaging diagnosis, Som PM; Sacher M; Stollman AL; Biller HF; Lawson W, *Radiology* 1988; 169: 61

CT findings in recurrent submandibular pleomorphic adenoma with metastasis, Guglielmo FF; Rao VM; Prestipino AJ; et al, *JCAT* 1987; 11: 1098

identification of Warthin's tumor with technetium-99m pertechnetate, Higashi T; Murahashi H; Ikuta H; et al, *Clin Nucl Med* 1987; 12: 796

increased uptake of technetium-99m pertechnetate in a salivary gland cancer, Dosoretz C; Lieberman LM, *Clin Nucl Med* 1987; 12: 944

major salivary gland masses: comparison of MR imaging and CT, Casselman JW; Mancuso AA, *Radiology* 1987; 165: 183

major salivary gland tumors: treatment results and prognostic factors, (ab), Tran L; Sadeghi A; Hanson D; et al, *Radiology* 1987; 164: 591

malignant salivary gland tumors, Fitzpatrick PJ; Theriault C, *Int J Radiat Oncol Biol Phys* 1986; 12: 1743

malignant salivary gland tumors of the base of the tongue, (ab), Kessler DJ; Mickel RA; Calcaterra TC, *Radiology* 1986; 161: 862

salivary gland malignant neoplasms: treatment and prognosis, Borthne A; Kjellevold K; Kaalhus O; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 747

treatment and prognosis of mucoepidermoid carcinoma in the pediatric age group, (ab), Conley J; Tinsley PP Jr, *Radiology* 1986; 159: 288

use of radiation therapy in the management of minor salivary gland tumors, Ellis ER; Million RR; Mendenhall WM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 613

various scintigraphic patterns of Warthin's tumor, Soestre S; Medina L; de Arellano GR, *Clin Nucl Med* 1987; 12: 620

Salivary glands, radiography

computed tomographic sinography in orthopedic radiology, Egund N; Pettersson H, *Skeletal Radiol* 1988; 17: 96

differentiating tumours of the deep and superficial lobes of the parotid gland by computed tomographic sialography, Smith JRG; King WWK; Tang WYM; et al, *Clin Radiol* 1987; 38: 345

infantile recurrent sialectatic parotitis: the role of sonography and sialography in diagnosis and follow-up, Rubaltelli L; Sponga T; Candiani F; et al, *Br J Radiol* 1987; 60: 1211

Salivary glands, radionuclide studies

demonstration of parotid maxillary sinus nasal fistula by radionuclide salivary imaging, Yang DC; Patel D; Bobaria A; et al, *Clin Nucl Med* 1987; 12: 411

identification of Warthin's tumor with technetium-99m pertechnetate, Higashi T; Murahashi H; Ikuta H; et al, *Clin Nucl Med* 1987; 12: 796

increased uptake of technetium-99m pertechnetate in a salivary gland cancer, Dosoretz C; Lieberman LM, *Clin Nucl Med* 1987; 12: 944

indium-111 leukocyte accumulation in submandibular gland saliva as a cause for false-positive gut uptake in children, Williamson SL; Williamson MR; Seibert JJ; et al, *Clin Nucl Med* 1987; 12: 867

radionuclide imaging of potassium iodide-induced sialadenitis, Goldberg REA; Miraldi F, *Clin Nucl Med* 1987; 12: 370

- salivary gland scintigraphy: cystic hygroma of the parotid, Schroeder BA; Czarnecki DJ; Wells RG; et al, *Clin Nucl Med* 1987; 12: 485
- salivary gland uptake of gallium-67 citrate after sialography, Higashi T; Mori Y; Ikuta H; et al, *Clin Nucl Med* 1988; 13: 110
- salivary scintigraphy: decreased activity, Copely DJ; Smith R, *Semin Nucl Med* 1986; 16: 220
- salivary scintigraphy: unilateral increased activity, Copely DJ; Smith R, *Semin Nucl Med* 1986; 16: 222
- unilateral gallium-67 uptake in primary tuberculosis of the major salivary glands, Bihl H; Maier H, *Clin Nucl Med* 1987; 12: 650
- various scintigraphic patterns of Warthin's tumor, Sostre S; Medina L; de Arellano GR, *Clin Nucl Med* 1987; 12: 620
- ## Salivary glands, therapeutic radiology
- estimation of long-term salivary gland damage induced by radiotherapy, Makonnen TA; Nordman E, *Acta Oncol* 1987; 26: 307
- implications of improved treatment of malignant salivary gland tumors by fast neutron radiotherapy, Catterall M; Errington RD, *Int J Radiat Oncol Biol Phys* 1987; 13: 1313
- malignant salivary gland tumors, Fitzpatrick PJ; Theriault C, *Int J Radiat Oncol Biol Phys* 1986; 12: 1743
- salivary gland malignant neoplasms: treatment and prognosis, Borthne A; Kjellevoid K; Kaalhus O; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 747
- serum tissue polypeptide antigen (TPA): marker of acute injury of salivary glands during radiation therapy, Becciolini A; Tommasi MS; Porciani S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1339
- update on malignant salivary gland tumors treated with neutrons at Fermilab, Saroja KR; Mansell J; Hendrickson FR; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1319
- use of radiation therapy in the management of minor salivary gland tumors, Ellis ER; Million RR; Mendenhall WM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 613
- ## Salivary glands, US studies
- infantile recurrent sialectatic parotitis: the role of sonography and sialography in diagnosis and follow-up, Rubaltelli L; Sponga T; Candiani F; et al, *Br J Radiol* 1987; 60: 1211
- ## Sarcoidosis
- abdominal lymphadenopathy in benign diseases: CT detection, Deutch SJ; Sandler MA; Alpern MB, *Radiology* 1987; 163: 335
- abdominal lymphadenopathy in sarcoidosis, Deutch SJ; Sandler MA; Tankanow LB, *J Ultrasound Med* 1987; 6: 237
- aspiration biopsy of the spleen in patients with sarcoidosis, Taavitsainen M; Koivuniemi A; Helminen J; et al, *Acta Radiol* 1987; 28: 723
- balloon dilatation of the left main bronchus in sarcoidosis, Brown KT; Yeoh CB; Saddekni S, *AJR* 1988; 150: 553
- computed tomography of calvarial and petrous bone sarcoidosis, Dalley RW; Robertson WD; Nugent RA, *JCAT* 1987; 11: 884
- computed tomography of splenic sarcoidosis, Mathieu D; Vanderstigel M; Schiffer A; et al, *JCAT* 1986; 10: 679
- cryptococcosis associated with sarcoidosis: CT and MR findings, Allen KS; Glickstein M; Arger PH; et al, *JCAT* 1988; 12: 420
- CT diagnosis of splenic multifocal lesions and abdominal lymphadenopathy secondary to sarcoidosis, Alvarez FJ; Escalada J; Comet R; et al, *Comput Med Imag Graph* 1988; 12: 255
- current concepts of the pathogenesis of sarcoidosis: (ab), Thomas PD; Hunnigake GW, *Radiology* 1987; 164: 882
- detection of mesenteric involvement in sarcoidosis using computed tomography, Saksouk FA; Haddad MC, *Br J Radiol* 1987; 60: 1135
- diabetes insipidus secondary to intracranial sarcoidosis confirmed by low-field magnetic resonance imaging, Lewis R; Wilson J; Smith FW, *Magn Res Med* 1987; 5: 466
- direct quantitation of thoracic gallium-67 uptake in sarcoidosis, Bourguet P; Delaval P; Herry JY, *J Nucl Med* 1986; 27: 1550
- extrapulmonary localization of gallium in sarcoidosis, Rohatgi PK; Singh R; Vieras F, *Clin Nucl Med* 1987; 12: 9
- gallium-67 uptake in meningial sarcoidosis, Ayres JC; Hicks BH; Maisiey MN, *Clin Nucl Med* 1986; 11: 507
- gallium uptake in cutaneous sarcoidosis, Glickstein MF; Velchik MG, *Clin Nucl Med* 1986; 11: 119
- general case of the day: annual meeting, 1987, Jensen ME; Gulati AN; Laine FJ, *Radiographics* 1988; 8: 578
- hypodense white matter lesions in computed tomography of neurosarcoidosis, Ketonen L; Oksanen V; Kuuliala I; et al, *JCAT* 1986; 10: 181
- large lung bullae in sarcoidosis, (ab), Packe GE, *Radiology* 1987; 163: 838
- magnetic resonance imaging in central nervous system sarcoidosis, (ab), Miller DH; Kendall BE; Barter S; et al, *Radiology* 1988; 169: 886
- magnetic resonance imaging in neurosarcoidosis, Greco A; Steiner RE, *Magn Res Imag* 1987; 5: 15
- MR and CT evaluation of intracranial sarcoidosis, Hayes WS; Sherman JL; Stern BJ; et al, *AJNR* 1987; 8: 841
- MR characteristics of benign lymph node enlargement in sarcoidosis and Castleman's disease, de Geer G; Webb WR; Solitto R; et al, *Eur J Radiol* 1986; 6: 145
- MR demonstration of spinal cord sarcoidosis: report of a case, Kelly RB; Mahoney PD; Cawley KM, *AJNR* 1988; 9: 197
- MRI findings in pulmonary sarcoidosis, Craig DA; Colletti PM; Ratto D; et al, *Magn Res Imag* 1988; 6: 567
- multiple imaging evaluation of sarcoidosis, Henry DA; Kiser PE; Scheer CE; Cho S-R; Tisnado J, *Radiographics* 1986; 6: 75
- neurosarcoidosis: evaluation using computed tomography and magnetic resonance imaging, Cooper SD; Brady MB; Williams JP; et al, *CT* 1988; 12: 96
- neurosarcoidosis involving optic nerves and leptomeninges: computed tomography findings, Ey EH; Wall M; Numaguchi Y; et al, *CT* 1986; 10: 129
- neurosarcoidosis responding to steroids, Reed LD; Abbas S; Markivier CR; et al, *AJR* 1986; 146: 819
- osteosclerotic sarcoidosis, Abdelwahab IF; Norman A, *AJR* 1988; 150: 161
- pancreatic sarcoidosis mimicking pancreatic cancer, Sagalow BR; Miller CL; Wechsler RJ, *JCU* 1988; 16: 131
- poor accumulation of technetium-99m glucoheptonate in sarcoidosis and other diffuse infiltrative lung diseases as compared with gallium-67 citrate, Vorne M; Sahlström K; Alanko K, *Clin Nucl Med* 1988; 13: 107
- preliminary experience of magnetic resonance imaging in neurosarcoidosis, Ketonen L; Oksanen V; Kuuliala I, *Neuroradiol* 1987; 29: 127
- presentation of central nervous system sarcoidosis as intracranial tumors, (ab), Clark WC; Acker JD; Dohan FC Jr; et al, *Radiology* 1986; 161: 863
- progressive stridor and hoarseness in a young black woman, Picus D; Marx MV; Middleton WD, *Invest Radiol* 1987; 22: 338
- pulmonary sarcoidosis following interferon therapy for advanced renal cell carcinoma, (ab), Abdi EA; Nguyen G-K; Ludwig RN; et al, *Radiology* 1987; 165: 295
- pulmonary sarcoidosis in the older patient: conventional radiographic features, Conant EF; Glickstein MF; Mahar P; Miller WT, *Radiology* 1988; 169: 315
- sarcoidosis and ankylosing spondylitis, Drane WE; Martland WH, *Clin Nucl Med* 1987; 12: 938
- sarcoidosis as a cause of linitis plastica, Bellan L; Semelka R; Warren CPW, *J Canad Assoc Radiol* 1988; 39: 72
- sarcoidosis mimicking metastatic testicular tumour, Farr MJA; Williams MV, *Br J Radiol* 1988; 61: 516
- sarcoidosis of the parotid gland, Iko BO; Chinwuba CE; Myers EM; et al, *Br J Radiol* 1986; 59: 547
- sarcoidosis simulating pulmonary venocclusive disease, (ab), Hoffstein V; Ranganathan N; Mullen JBM, *Radiology* 1987; 163: 292
- spinal leptomeningeal sarcoidosis, Huang H; Haq N, *Neuroradiol* 1987; 29: 100
- thallium-201 and gallium-67 myocardial scintigraphy for the evaluation of sarcoid involvement, Nagatomo Y; Imamura T; Koiwaya Y; et al, *Clin Nucl Med* 1987; 12: 335
- tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis, (ab), Knox AJ; Wardman AG; Page RL, *Radiology* 1987; 162: 884
- tumoral calcinosis associated with sarcoidosis and positive bone and gallium imaging, Wolpe FM; Khedkar NY; Gordon D; et al, *Clin Nucl Med* 1987; 12: 529
- typical and atypical CT manifestations of pulmonary sarcoidosis, Hamper UM; Fishman EK; Khouri NF; et al, *JCAT* 1986; 10: 928
- ultrasongraphic detection of epididymal sarcoidosis, Forte MD; Brant WE, *JCU* 1988; 16: 191
- unusual form of tibial sarcoidosis, Beasley EW III; Peterman SB; Hertzler GL, *AJR* 1987; 149: 754
- Virchow-Robin space: path of spread in neurosarcoidosis, Mirfakhraee M; Crofford MJ; Guinto FC Jr; Nauta HJW; Weeden VW, *Radiology* 1986; 158: 715
- ## Sarcoma
- See also Ewing sarcoma; Kaposi sarcoma
- bilateral metachronous periosteal osteosarcoma, (ab), Howat AJ; Dickens DRV; Bolt DW, *Radiology* 1987; 163: 293
- bone sarcoma associated with Ollier's disease, (ab), Liu J; Hudkins PG; Sweet RG; et al, *Radiology* 1987; 165: 589
- case report 347, Frassica FJ; Unni KK; Sim FH, *Skeletal Radiol* 1986; 15: 77
- case report 362, Lysko JE; Guilford WB; Siegal GP; et al, *Skeletal Radiol* 1986; 15: 268
- case report 371, Howard BA; Rubenstein JD; Lewis AJ, *Skeletal Radiol* 1986; 15: 468
- case report 432, Xipell JM; Beamish MR; Clark D, *Skeletal Radiol* 1987; 16: 425
- case report 446, McCarthy EF; Tolo VT; Dorfman HD, *Skeletal Radiol* 1987; 16: 592
- case report 459, Lee JK; Yao L; Phelps CT; et al, *Skeletal Radiol* 1988; 17: 60
- case report 460, Manivel JC; Dehner LP; Thompson R, *Skeletal Radiol* 1988; 17: 66
- case report 462, Frassica FJ; Sim FH; Wold LE, *Skeletal Radiol* 1988; 17: 77
- case report 470, Schneider HJ; Weinstein AS, *Skeletal Radiol* 1988; 17: 148
- case report 476, Boorstein JM; Spizarny DL, *Skeletal Radiol* 1988; 17: 208
- case report 482, Nakajima H; Ushigome S; Fukuda J, *Skeletal Radiol* 1988; 17: 289
- case report 484, Mainwaring BL; Khouri MB; Khodadoust K, *Skeletal Radiol* 1988; 17: 295
- case report 492, Howie FMC; Davidson JK, *Skeletal Radiol* 1988; 17: 368
- case report: bilateral pneumothorax secondary to metastatic angiosarcoma of the breast, Kader HA; Bolger JJ; Goepel JR, *Clin Radiol* 1987; 38: 201
- charged particle irradiation of chordoma and chondrosarcoma of the base of skull and cervical spine: the Lawrence Berkeley Laboratory experience, Berson AM; Castro JR; Petti P; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 559
- chondromyxosarcoma: a rare form of bone neoplasm in children, Laissy JP; Guillon F; Chesneau AM; et al, *Pediatr Radiol* 1987; 17: 429
- chondrosarcoma in the young: a clinicopathologic analysis of 79 patients younger than 21 years of age, (ab), Huvos AG; Marcove RC, *Radiology* 1988; 167: 886
- chondrosarcoma metastatic to the heart, (ab), Leung CY; Cummings RG; Reimer KA; et al, *Radiology* 1988; 169: 292
- combined modality treatment of adult soft tissue sarcomas of the head and neck, McKenna WG; Barnes MM; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1127

- computed tomography in low-back-pain after femur-amputation for osteogenic sarcoma, Anda S; Moe PJ, *Pediatr Radiol* 1987; 17: 164
- computed tomography of osteogenic sarcoma of nasal cavity and paranasal sinuses, Oot RF; Parizel PM; Weber AL, *JCAT* 1986; 10: 409
- computed tomography of vinyl-chloride-induced angiosarcoma of liver, Fitzgerald EJ; Griffiths TM, *Br J Radiol* 1987; 60: 593
- dedifferentiated chondrosarcoma, (ab), Capanna R; Bertoni F; Bettelli G; et al, *Radiology* 1988; 168: 294
- dedifferentiated chondrosarcoma of bone with leiomyosarcomatous mesenchymal component: a case report, Munk PL; Connell DG; Quenville NF, *J Canad Assoc Radiol* 1988; 39: 218
- dedifferentiated chondrosarcoma: report of the clinicopathological features and treatment of seveny-eight cases, (ab), Frassica FJ; Unni KK; Beabout JW; et al, *Radiology* 1987; 163: 590
- enhancement of radiation-induced normal tissue damage by a fibrosarcoma, Stone HB; Milas L, *Int J Radiat Oncol Biol Phys* 1987; 13: 1721
- extremity preservation by combined modality treatment of sarcomas of the hand and wrist, Okunieff P; Suit H; Propp KH, *Int J Radiat Oncol Biol Phys* 1986; 12: 1923
- failure patterns and survival in pediatric soft tissue sarcoma, Brizel DM; Weinstein H; Hunt M, *Int J Radiat Oncol Biol Phys* 1988; 15: 37
- fast neutron therapy for soft tissue sarcoma, Pickering DG; Stewart JS; Rampling R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1489
- fibrosarcoma in a patient with scleroderma, Greyson-Fleg RT; Scott WW Jr; Kuhajda FP; et al, *CT* 1987; 11: 318
- fibrosarcoma of the jaws, Taconis WK; van Rijssel TG, *Skeletal Radiol* 1986; 15: 10
- granulocytic sarcoma of the brain: case report and review of the literature, Barnett MJ; Zussman WV, *Radiology* 1986; 160: 223
- hemangioendothelial sarcoma of the sacrum: CT findings, Lee S, *Comput Radiol* 1986; 10: 51
- hepatic angiosarcoma: mimicking of angioma on three-phase technetium-99m red blood cell scintigraphy, Ginsberg F; Slavin JD Jr; Spencer RP, *J Nucl Med* 1986; 27: 1861
- histiocytic sarcoma of the brain in childhood, de Slegte RGM; Calame JJ; Burger-de Geus A; et al, *Eur J Radiol* 1987; 7: 121
- hyaline cartilage-origins bone and soft-tissue neoplasms: MR appearance and histologic correlation, Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML, *Radiology* 1988; 167: 477
- hypofractionated radiotherapy for sarcomas, Ashby MA; Ago CT; Harmer CL, *Int J Radiat Oncol Biol Phys* 1986; 12: 13
- impact of improved local control on survival in patients with soft tissue sarcoma, Suit HD; Tepper JE, *Int J Radiat Oncol Biol Phys* 1986; 12: 699
- influence of WR 2721 on radiation response of canine soft tissue sarcomas, McChesney SL; Gillette EL; Dewhurst MW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1957
- interstitial ¹²⁵I implantation in the retreatment of retroperitoneal soft tissue sarcoma: report of a case, Kumar PP; Good RR, *Acta Oncol* 1986; 25: 37
- intraarterial digital subtraction arteriographic evaluation of extremity tumors: comparison with conventional arteriography, Lee KR; Cox GG; Price HI; Johnson JA; Neff JR, *Radiology* 1986; 158: 255
- intracranial mesenchymal chondrosarcoma, Nokes SR; Dauter R; Murtagh FR; et al, *AJNR* 1987; 8: 1137
- intracranial vascular sarcomas: a series of 12 cases and a review of the literature, Vincentelli F; Grisoli F; Jiddane M; et al, *J Neurosurg* 1987; 14: 233
- intrapulmonary presentation of extraskeletal myxoid chondrosarcoma of the extremity: report of two cases, (ab), D'Ambrosio FG; Shiu MH; Brennan MF, *Radiology* 1987; 163: 293
- in vivo and in vitro demonstration of hemorrhage in soft tissue sarcoma, Sundaram M; Duffrin H; McGuire MH, *Magn Res Imag* 1988; 6: 57
- local control and survival in soft tissue sarcomas of the limbs, trunk walls and head and neck: study of 113 cases, Abbattucci JS; Boulter N; de Kanieri J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 579
- malignant gastric sarcoma—diagnosis by ultrasound and endoscopy, Schneider K; Dickerhoff R; Berte RM, *Pediatr Radiol* 1986; 16: 69
- mesenchymal chondrosarcoma of bone and soft tissue: review of 111 cases, (ab), Nakashima Y; Unni KK; Shives TC; et al, *Radiology* 1986; 161: 575
- multifocal osteogenic sarcoma in the seventh decade, Vento JA; Edkin R; Slavin JD Jr; et al, *Clin Nucl Med* 1986; 11: 282
- observations on the use of adjuvant radiation therapy in patients with stage I and II uterine sarcoma, Hornback NB; Omura G; Major FJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2127
- osteogenic sarcoma of bones and soft tissues in older persons: clinicopathologic analysis of 117 patients older than 60 years, (ab), Huvo AG, *Radiology* 1986; 160: 859
- osteogenic sarcoma of the skull: clinicopathologic study of 19 patients, (ab), Huvo AG; Sundaresan N; Bretsky SS; et al, *Radiology* 1986; 158: 859
- para-oesophageal synovial sarcoma, Pulpeiro JR; Cruz R; Arenas A; et al, *Eur J Radiol* 1988; 8: 120
- postoperative whole lung irradiation with or without adriamycin in osteogenic sarcoma, Zaharia M; Caceres E; Valdivia S; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 907
- postirradiation sarcoma of bone in Hodgkin disease, Smith J, *Skeletal Radiol* 1987; 16: 524
- primary angiosarcoma of the heart: CT characteristics, Shin MS; Kirkin JK; Cain JB; et al, *AJR* 1987; 148: 267
- radiation-induced sarcomas of the chest wall, (ab), Souba WW; McKenna RJ Jr; Meis J; et al, *Radiology* 1986; 160: 857
- radiation therapy for unresectable soft tissue sarcomas, Slater JD; McNeese MD; Peters LJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1729
- radiology of sarcomas and sarcomatoid carcinomas of the kidney, Mucci B; Lewi HJE; Fleming S, *Clin Radiol* 1987; 38: 249
- renal sarcoma and sarcomatoid renal cell carcinoma: CT and angiographic features, Shirkhoda A; Lewis E, *Radiology* 1987; 162: 353
- role of bone scintigraphy in osteogenic sarcoma, Rees CR; Siddiqui AR; duCret RP, *Skeletal Radiol* 1986; 15: 365
- role of MR and CT in evaluating clival chordomas and chondrosarcomas, Oot RF; Melville GE; New PFJ; et al, *AJNR* 1988; 9: 715
- sarcoma of bone following therapeutic irradiation for breast carcinoma, Doherty MA; Rodger A; Langlands AO, *Int J Radiat Oncol Biol Phys* 1986; 12: 103
- scintigraphy with gallium-67 citrate in staging of soft-tissue sarcomas of the extremity, (ab), Finn HA; Simon MA; Martin WB; et al, *Radiology* 1988; 166: 294
- second malignant neoplasms after childhood cancer: report of three cases of osteogenic sarcoma, Ironside JAD, *Clin Radiol* 1987; 38: 195
- soft tissue sarcoma in Kuwait: review of 114 patients, Ahmed MJ; Omar YT; Ali SM, *Clin Radiol* 1987; 38: 27
- soft-tissue sarcoma: neutrons versus photons for post-operative irradiation, Glaholm J; Harmer C, *Br J Radiol* 1988; 61: 829
- soft-tissue sarcomas of the extremities: comparison of MR and CT in determining the extent of disease, Demas BE; Heelan RT; Lane J; et al, *AJR* 1988; 150: 615
- soft tissue sarcoma: two cases of solitary lung metastasis more than 15 years after diagnosis, Goings JJ; Brewin TB; Crompton GK; et al, *Clin Radiol* 1986; 37: 579
- technetium-99m MDP accumulation in hepatic metastasis from osteogenic sarcoma, Palestro C; Lawrence LP; Strashun AM; et al, *Clin Nucl Med* 1987; 12: 329
- treatment of pelvic sarcomas in adolescents and young adults with intensive combined modality therapy, Stea B; Kinsella TJ; Triche TJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1797
- treatment of soft tissue sarcomas by preoperative irradiation and conservative surgical resection, Barkley HT Jr; Martin RG; Romsdahl MM; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 693
- utility of 24 hour bone scan in evaluation of bone involvement by soft tissue sarcoma, Mekhmandarov S; Azaria M; Engelberg S; et al, *Clin Nucl Med* 1988; 13: 649
- visualization by dynamic and static osseous scintigraphy of pelvic chondrosarcoma in multiple hereditary exostosis, Jackson RL; Llauro JC, *Clin Nucl Med* 1987; 12: 113
- ### Scapula
- bilateral glenoid dysplasia: report of 8 cases, (ab), Kozlowski K; Colavita N; Morris L; et al, *Radiology* 1986; 158: 859
- case report 437, Ruggieri P; Biagini R; Picci P, *Skeletal Radiol* 1987; 16: 493
- computed tomography of the scapula, Crone-Munzbrock W; Heller M, *Eur J Radiol* 1986; 6: 99
- unusual stress fracture of the scapula in a jogger, Veluvolu P; Kohn HS; Guten GN; et al, *Clin Nucl Med* 1988; 13: 531
- ### Schistosomiasis
- early uterine changes in *Schistosoma haematobium* infection, Hugosson CO; Olsen P, *Clin Radiol* 1986; 37: 501
- liver scintigraphy in chronic hepatosplenic schistosomiasis: a predictor of disease severity, Sostre S; Silva de Roldan F; Zaidi MK, *Clin Nucl Med* 1987; 12: 277
- striation of the renal pelvis and ureter in bilharziasis, Hugosson C, *Clin Radiol* 1987; 38: 407
- ultrasonographic aspects of urinary schistosomiasis: assessment of morphological lesions in the upper and lower urinary tract, Dietrich M; Doebering E, *Pediatr Radiol* 1986; 16: 225
- ### Schwannoma
- benign schwannoma of the gastrointestinal tract: a clinicopathologic and immunohistochemical study, (ab), Daimaru Y; Kido H; Hashimoto H; et al, *Radiology* 1988; 168: 586
- benign schwannomas: pathologic basis for CT inhomogeneities, Cohen LM; Schwartz AM; Rockoff SD, *AJR* 1986; 147: 141
- case report 345, Owen RS; Fishman EK; Healy WL; et al, *Skeletal Radiol* 1986; 15: 69
- case report 441, Abdelwahab IF; Lewis MM; Klein MJ, *Skeletal Radiol* 1987; 16: 573
- cystic schwannoma mimicking adrenal tumor, Andreu J; Alegret X; Pérez C; et al, *Comput Med Imag Graph* 1988; 12: 183
- extracranial and extraspinal nerve sheath tumors: computed tomographic evaluation, Chui MC; Bird BL; Rogien J, *Neuroradiol* 1988; 30: 47
- paraspinal schwannoma with cystic appearance on CT, Johansen JG; Stenwig JT, *Neuroradiol* 1987; 29: 314
- schwannoma of the lesser omentum, Sakai F; Sone S; Yanagisawa S; et al, *Eur J Radiol* 1988; 8: 113
- schwannoma of the trachea, Ikezoe J; Sone S; Higashihara T; et al, *Eur J Radiol* 1986; 6: 65
- sixth nerve schwannoma: MR and CT demonstration, Ginsberg F; Peyster RG; Rose WS; et al, *JCAT* 1988; 12: 482
- ### Sciatica
- CT evaluation of the greater sciatic foramen in patients with sciatica, Cohen BA; Lanzieri CF; Mendelson DS; et al, *AJNR* 1986; 7: 337

Sciatica

facet joint disorders and their role in the production of back pain and sciatica, Schellinger D; Wener L; Ragsdale BD; Patronas NJ, *Radiographics* 1987; 7: 923

investigation of sciatica and low back pain syndromes: current trends, Buiski G, *Clin Radiol* 1987; 38: 151

Scleroderma

Barrett's esophagus in scleroderma: increased prevalence and radiographic findings, Recht MP; Levine MS; Katzka DA; et al, *Gastrointest Radiol* 1988; 13: 1

case of the bloated nurse, Jackson JE; Thomas AMK, *Br J Radiol* 1987; 60: 721

fibrosarcoma in a patient with scleroderma, Greyson-Fleg RT; Scott WW Jr; Kuhajda FP; et al, *CT* 1987; 11: 318

gastroesophageal reflux demonstrated by hepatobiliary imaging in scleroderma, Sawaf NW; Orzel A; Weiland FL, *J Nucl Med* 1987; 28: 387

progressive systemic sclerosis: radionuclide esophageal scintigraphy and manometry, Drane WE; Karvelis K; Johnson DA; Curran JJ; Silverman ED, *Radiology* 1986; 160: 73

scleroderma—a possible contra-indication to lumpectomy and radiotherapy in breast carcinoma, Ransom DT; Cameron FG, *Australas Radiol* 1987; 31: 317

specificity and sensitivity of esophageal motor abnormality in systemic sclerosis (scleroderma) and related diseases: cineradiographic study, Campbell WL; Schultz JC, *Gastrointest Radiol* 1986; 11: 218

systemic sclerosis (scleroderma) and esophageal adenocarcinoma: is increased patient screening necessary?, (ab), Segel MC; Campbell WL; Medsger TA Jr; et al, *Radiology* 1986; 160: 284

ultrasound examination of skin thickness in patients with progressive systemic sclerosis (scleroderma), Akesson A; Forsberg L; Hederstrom E; et al, *Acta Radiol* 1986; 27: 91

Sclerosing cholangitis

See Cholangitis

Sclerosis

severe craniofacial sclerosis with multiple anomalies in a boy and his mother, Currarino G; Friedman JM, *Pediatr Radiol* 1986; 16: 441

Sclerosis, multiple

assessment of multiple sclerosis lesions by magnetic resonance imaging, Robertson WD; Li DK; Mayo JR; et al, *J Canad Assoc Radiol* 1987; 38: 177

case of the month: case of the forgetful gardener, Birchall IW; Bird GLA; Rutherford GS, *Br J Radiol* 1987; 60: 293

cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part II. spinal cord disease, Enzmann DR; Rubin JB, *Radiology* 1988; 166: 473

contribution of MRI to the diagnosis of multiple sclerosis, Debaene A; Lavielle J; Vion-Dury J; et al, *J Neuroradiol* 1986; 13: 1

corpus callosum and subcallosal-periventricular lesions in multiple sclerosis: detection with MR, Simon JH; Holts SL; Schiffer RB; Rudick RA; Herndon RM; Kido DK; Utz R, *Radiology* 1986; 160: 363

correlations of nuclear magnetic resonance imaging, computerized tomography, and clinical profiles in multiple sclerosis, (ab), Jacobs L; Kinkel WR; Polachini I; et al, *Radiology* 1987; 162: 888

cranial MR in spinal cord MS: diagnosing patients with isolated spinal cord symptoms, Edwards MK; Farlow MR; Stevens JC, *AJNR* 1986; 7: 1003

evaluation of multiple sclerosis by magnetic resonance imaging, Runge VM; Price AC; Kirshner HS; Allen JH; Partain CL; James AE Jr, *Radiographics* 1986; 6: 203

field-cycling relaxometry: medical applications, Rinck PA; Fischer HW; Vander Elst L; Van Haverbeke Y; Muller RN, *Radiology* 1988; 168: 843

general case of the day, Earnest FIV, *Radiographics* 1986; 6: 725

in vivo determination of T₁ and T₂ in the brain of patients with severe but stable multiple sclerosis, Larsson HBW; Frederiksen J; Kjaer L; et al, *Magn Res Med* 1988; 7: 43

magnetic resonance imaging: clinical correlation in 64 patients with multiple sclerosis, (ab), Stevens JC; Farlow MR; Edwards MK; et al, *Radiology* 1987; 163: 592

magnetic resonance imaging correlates of dementia in multiple sclerosis, (ab), Huber SJ; Paulson GW; Shuttlesworth EC; et al, *Radiology* 1987; 165: 886

magnetic resonance imaging correlates of dementia in multiple sclerosis, (ab), Huber SJ; Paulson GW; Shuttlesworth EC; et al, *Radiology* 1988; 166: 914

magnetic resonance imaging in the evaluation of treatment in multiple sclerosis, Kappos L; Städt D; Ratzka M; et al, *Neuroradiol* 1988; 30: 299

magnetic resonance in multiple sclerosis, Scotti G; Scialfa G; Biondi A; et al, *Neuroradiol* 1986; 28: 319

MRI approach of multiple sclerosis: 449 cases examined at 0.15 tesla, Appel B; Moens E; Rinck P; et al, *J Neuroradiol* 1988; 15: 108

MR imaging in multiple sclerosis: comparison with clinical, CSF, and visual evoked potential findings, Uhlenbrock D; Seidel D; Gehlen W; et al, *AJNR* 1988; 9: 59

MR imaging section profile optimization: improved contrast and detection of lesions, Runge VM; Wood ML; Kaufman DM; Silver MS, *Radiology* 1988; 167: 831

MRI parameters in multiple sclerosis patients, Reider-Grosswasser I; Kott E; Benmair J; et al, *Neuroradiol* 1988; 30: 219

MR of acute experimental allergic encephalomyelitis, Grossman RI; Lisak RP; Macchi PJ; et al, *AJNR* 1987; 8: 1045

multiple sclerosis: problem of incorrect diagnosis, (ab), Rudick RA; Schiffer RB; Schwetz KM; et al, *Radiology* 1986; 161: 576

multiple sclerosis: serial study of gadolinium-enhanced MR imaging, Grossman RI; Brannan BH; Brorson JR; Goldberg HI; Silberberg DH; Gonzalez-Scarano F, *Radiology* 1988; 169: 117

natural history of multiple sclerosis, (ab), Weinschenker BG; Ebers GC, *Radiology* 1988; 167: 295

neuroimaging and the lesion of multiple sclerosis, Poser CM; Kleefeld J; O'Reilly GV; et al, *AJNR* 1987; 8: 549

passionate man plays his part: neuroimaging and multiple sclerosis, Gebarski SS, *Radiology* 1988; 168: 275

quantitative determination of MS-induced corpus callosum atrophy in vivo using MR imaging, Simon JH; Schiffer RB; Rudick RA; et al, *AJNR* 1987; 8: 599

reduced signal intensity on MR images of thalamus and putamen in multiple sclerosis: increased iron content?, Drayer BP; Burger P; Hurwitz B; et al, *AJNR* 1987; 8: 413

role of delayed computed tomographic scanning using high doses of contrast material in detecting cerebral demyelination in patients with multiple sclerosis in relapse and remission, Brooks DJ; Carr DH; Legg NJ, *Br J Radiol* 1987; 60: 295

role of nuclear magnetic resonance imaging in the diagnosis of MS in childhood, (ab), Golden GS; Woody RC, *Radiology* 1988; 166: 295

spin-lattice relaxation (T₁) times of cerebral white matter in multiple sclerosis, Lacomis D; Osbakken MD; Gross G, *Magn Res Med* 1986; 3: 194

topological characteristics of brainstem lesions in clinically definite and clinically probable cases of multiple sclerosis: an MRI study, Brainin M; Reinsner T; Neuhold A; et al, *Neuroradiol* 1987; 29: 530

total lymphoid irradiation for multiple sclerosis, Devereux CK; Vidaver R; Hafstein MP; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 197

trimodal evoked potentials compared with magnetic resonance imaging in the diagnosis of multiple sclerosis, (ab), Giesser BS; Kurtzberg D; Vaughan HG Jr; et al, *Radiology* 1987; 164: 887

trimodal evoked potentials compared with magnetic resonance imaging in the diagnosis of multiple sclerosis, (ab), Giesser BS; Kurtzberg D; Vaughan HG Jr; et al, *Radiology* 1987; 165: 590

Sclerosis, tuberosus

bilateral abdominal masses in an asymptomatic infant, Andriole J; Gouse JC; Schultz CL; et al, *Invest Radiol* 1986; 21: 355

bilateral renal masses in a pregnant patient with tuberous sclerosis, Lipman JC; Loughlin KR; Tumeh SS, *Invest Radiol* 1987; 22: 912

central nervous system manifestations of the phakomatoses on MR, Brannan BH; Bilaniuk LT; Zimmerman RA, *Radiol Clin North Am* 1988; 26: 773

cerebral MR findings in tuberous sclerosis, Vaghi M; Visciani A; Testa D; et al, *JCAT* 1987; 11: 403

clivus chordoma in a child with tuberous sclerosis: CT and MR demonstration, Schroeder BA; Wells RG; Starshak RJ; et al, *JCAT* 1987; 11: 195

CT demonstration of extension of renal angiomyolipoma into the inferior vena cava in a patient with tuberous sclerosis, Camóniez F; Lafuente J; Robledo R; et al, *Urol Radiol* 1987; 9: 152

evaluation of renal angiomyolipoma by traditional and modern imaging in a case of tuberous sclerosis, Hader H; Gadot N; Schreiber R; et al, *CT* 1987; 11: 67

giant cell astrocytoma in tuberous sclerosis: computed tomographic findings, Moran V; O'Keefe F, *Clin Radiol* 1986; 37: 543

magnetic resonance imaging in tuberous sclerosis, (ab), Roach ES; Williams DP; Laster DW, *Radiology* 1987; 164: 887

magnetic resonance imaging in tuberous sclerosis, (ab), Roach ES; Williams DP; Laster DW, *Radiology* 1987; 165: 590

MRI evaluation of tuberous sclerosis, Martin N; de Broucker T; Cambier J; et al, *Neuroradiol* 1987; 29: 437

MR imaging of intracranial tuberous sclerosis, McMurdo SK Jr; Moore SG; Brant-Zawadzki M; et al, *AJNR* 1987; 8: 77

pediatric case of the day: annual meeting, 1986, Towbin RB; Ball WS Jr; Kaufman RA, *Radiographics* 1987; 7: 818

renal lesions of tuberous sclerosis (cysts and angiomyolipoma)—screening with sonography and computerized tomography, Naria LD; Slovits TL; Watts FB; et al, *Pediatr Radiol* 1988; 18: 205

tuberous sclerosis: characteristics at CT and MR imaging, Altman NR; Purser RK; Post MJD, *Radiology* 1988; 167: 527

tuberous sclerosis: clinicoradiological evaluation of 110 cases with particular reference to atypical presentation, Kingsley DPE; Kendall BE; Fitz CR, *Neuroradiol* 1986; 28: 38

tuberous sclerosis: CT findings and differential diagnosis, Gerard G; Weisberg L, *Comput Radiol* 1987; 11: 189

tuberous sclerosis with aortic aneurysm and rib changes: CT demonstration, Ng S-H; Ng K-K; Pai S-C; et al, *JCAT* 1988; 12: 666

Scoliosis

See Spine, curvature

Screening, cancer

See Cancer screening

Screens and films

comparative evaluation of rare earth screen-film systems: free-response operating characteristic analysis and anatomic criteria analysis, Fearon T; Vucich JJ; McSweeney WJ; et al, *Invest Radiol* 1986; 21: 734

comparative evaluation of rare-earth screen-film systems: system speed, contrast, sensitivity, RMS noise, square-wave response function, and contrast-dose-detail analysis, Fearon T; Vucich JJ; Hoe J; et al, *Invest Radiol* 1986; 21: 654

comparative study of films and screens for mammography, Kirkpatrick AE; Law J, *Br J Radiol* 1987; 60: 73

comparison of two screen-film combinations in contact and magnification mammography: detectability of microcalcifications, Oestmann JW; Kopans DB; Linetsky L; Hall DA; McCarthy KA; White G; Swann C; Kelley JE; Johnson LL, *Radiology* 1988; 168: 657

computed radiography utilizing laser-stimulated luminescence: detectability of simulated low-contrast radiographic objects, Higashida Y; Moribe N; Hirata Y; et al, *Comput Med Imag Graph* 1988; 12: 137

- low-attenuation materials and rare-earth screens in radiodiagnosis, Br J Radiol Br J Radiol 1986; 59: 745
- modification of an automatic exposure control system for mammography to accommodate multiple-speed, screen-film systems, Rossi RP; Williams C; Gill D, AJR 1988; 151: 685
- radiation-induced phosphorescence from thulium-activated yttrium tantalate screens, Shearer DR; Rowe LE, AJR 1987; 148: 1023
- recent advances in screen-film mammography, Haus AG, Radiol Clin North Am 1987; 25: 913
- scoliosis examinations: organ dose and image quality with rare-earth screen-film systems, Fearon T; Vucich J; Butler P; et al, AJR 1988; 150: 359
- storage phosphor radiographs vs conventional films: interpreters' perceptions of diagnostic quality, Fuhrman CR; Gur D; Good B; et al, AJR 1988; 150: 1011
- Scrotum**
- acute appendicitis presenting as acute left scrotal pain: diagnostic considerations, (ab), Wilkins SA Jr; Holder LE; Raiker RV; et al, Radiology 1986; 158: 568
- Scrotum, abnormalities**
- acute scrotal abnormalities in children: diagnosis by combined sonography and scintigraphy, Mueller DL; Amundson GM; Rubin SZ; et al, AJR 1988; 150: 643
- MR imaging of the scrotum: pathologic conditions, Baker LL; Hajek PC; Burkhard TK; Dicapua L; Landa HM; Leopold GR; Hesselink JR; Mattrey RF, Radiology 1987; 163: 93
- MR imaging of the scrotum with a high-resolution surface coil, Rholl KS; Lee JKT; Ling D; Heiken JP; Glazer HS, Radiology 1987; 163: 99
- scrotal cystocele with bladder calculi (case report), Postma MP; Smith R, AJR 1986; 147: 287
- scrotal enlargement following inguinal herniorrhaphy: ultrasound evaluation, Archer A; Choyke PL; O'Brien W; et al, Urol Radiol 1988; 9: 249
- ultrasonography of the acute scrotum, Martin B; Conte J, JCU 1987; 15: 37
- Scrotum, diseases**
- correlation of radionuclide imaging and diagnostic ultrasound in scrotal diseases, Chen DCP; Holder LE; Kaplan GN, J Nucl Med 1986; 27: 1774
- Fournier gangrene: diagnosis with scrotal US, Begley MG; Shawker TH; Robertson CN; Bock SN; Wei JP; Lotze MT, Radiology 1988; 169: 387
- sonographic findings in scrotal brucellosis, Patel PJ; Kolawole TM; Sharma N; et al, JCU 1988; 16: 483
- Scrotum, MR studies**
- magnetic resonance imaging: its application to male infertility, (ab), McClure RD; Hricak H, Radiology 1986; 160: 285
- MR imaging of the scrotum: normal anatomy, Baker LL; Hajek PC; Burkhard TK; Dicapua L; Leopold GR; Hesselink JR; Mattrey RF, Radiology 1987; 163: 89
- MRI of the scrotum, Fritzsche PJ, Urol Radiol 1988; 10: 52
- testes and scrotum: MR imaging at 1.5 T, Seidenwurm D; Smathers RL; Lo RK; Carroll CL; Bassett J; Hoffman AR, Radiology 1987; 164: 393
- Scrotum, neoplasms**
- MR imaging of the scrotum: pathologic conditions, Baker LL; Hajek PC; Burkhard TK; Dicapua L; Landa HM; Leopold GR; Hesselink JR; Mattrey RF, Radiology 1987; 163: 93
- sonographic findings of a spermatic cord lipoma: case report and review of the literature, Kutcher WA; Bluth EI; Guice SL, J Ultrasound Med 1987; 6: 457
- ultrasound evaluation of the scrotum in lymphoproliferative disease, Phillips G; Kumari-Subaiya S; Sawitsky A, J Ultrasound Med 1987; 6: 169
- Scrotum, radionuclide studies**
- correlation of radionuclide imaging and diagnostic ultrasound in scrotal diseases, Chen DCP; Holder LE; Kaplan GN, J Nucl Med 1986; 27: 1774
- scrotal scan in traumatic hematoma, Harwood SJ; Carroll RG, Clin Nucl Med 1987; 12: 559
- urine extravasation into the scrotum, Noel AW; Velchik MG, J Nucl Med 1986; 27: 807
- Scrotum, US studies**
- correlation of radionuclide imaging and diagnostic ultrasound in scrotal diseases, Chen DCP; Holder LE; Kaplan GN, J Nucl Med 1986; 27: 1774
- extratesticular hemorrhage associated with torsion of the spermatic cord: sonographic demonstration, Vick CW; Bird K; Rosenfield AT; Klein FA; Schneider V; Walsh JW; Brewer WH, Radiology 1986; 158: 401
- Fournier gangrene: diagnosis with scrotal US, Begley MG; Shawker TH; Robertson CN; Bock SN; Wei JP; Lotze MT, Radiology 1988; 169: 387
- pyocoele of the scrotum: sonographic demonstration of fluid-fluid level and a gas-forming component, Di Donna A; Rizzatto G, J Ultrasound Med 1986; 5: 99
- scrotal enlargement following inguinal herniorrhaphy: ultrasound evaluation, Archer A; Choyke PL; O'Brien W; et al, Urol Radiol 1988; 9: 249
- scrotal ultrasonography: a clinical evaluation, Fowler RC; Chennells PM; Ewing R, Br J Radiol 1987; 60: 649
- scrotal ultrasonography: a predictor of complicated epididymitis requiring orchietomy, (ab), See WA; Mack LA; Krieger JN, Radiology 1988; 168: 884
- scrotal ultrasound, Rifkin MD, Urol Radiol 1987; 9: 119
- scrotal ultrasound in the infertile man: detection of subclinical unilateral and bilateral varicoceles, (ab), McClure RD; Hricak H, Radiology 1986; 160: 858
- sonographic findings in scrotal brucellosis, Patel PJ; Kolawole TM; Sharma N; et al, JCU 1988; 16: 483
- sonographic findings of a spermatic cord lipoma: case report and review of the literature, Kutcher WA; Bluth EI; Guice SL, J Ultrasound Med 1987; 6: 457
- sonography of the spermatic cord, Gooding GAW, AJR 1988; 151: 721
- testicular tumors: prospective analysis of real-time US patterns and abdominal staging, Schwerk WB; Schwerk WN; Rodeck G, Radiology 1987; 164: 369
- ultrasonic evaluation of the scrotum in lymphoproliferative disease, Phillips G; Kumari-Subaiya S; Sawitsky A, J Ultrasound Med 1987; 6: 169
- ultrasonography of the acute scrotum, Martin B; Conte J, JCU 1987; 15: 37
- ultrasound diagnosis of acute scrotal hemorrhage in Henoch-Schönlein purpura, Cooper SG; Sherman SB; Gross RI; et al, JCU 1988; 16: 353
- ultrasound evaluation of scrotum in pediatrics, (ab), Finkelstein MS; Rosenberg HK; Snyder HM III; et al, Radiology 1986; 160: 575
- uncommon causes of scrotal and inguinal swelling in children: sonographic appearance, Han BK, JCU 1986; 14: 421
- varicoceles: combined sonography and thermography in diagnosis and posttherapeutic evaluation, Hamm B; Fobbe F; Sorensen R; Felsenberg D, Radiology 1986; 160: 419
- Seizures**
- association of heterotopic gray matter with seizures: MR imaging, work in progress, Smith AS; Weinstein MA; Quencer RM; Muroff LR; Stoneris KJ; Li FC; Wener L; Soloman MA; Cruse RP; Rosenberg LH; Berke JP, Radiology 1988; 168: 195
- cause of neonatal convulsions: towards more precise diagnosis, (ab), Levene MI; Trounce JQ, Radiology 1986; 161: 864
- cryptic structural lesions in refractory partial epilepsy: MR imaging and CT studies, Ormon M; Kasper DB; Sharbrough FW; Houser OW; Earnest F IV; Scheithauer BW; Laws ER Jr, Radiology 1986; 160: 215
- first seizure in adult life: value of clinical features, electroencephalography, and computerized tomographic scanning in prediction of seizure recurrence, (ab), Hopkins A; Garman A; Clarke C, Radiology 1988; 169: 886
- focal cortical dysplasia on magnetic resonance imaging: a case report, Nowell MA; Grossman RI; Packer R; et al, CT 1988; 12: 61
- magnetic resonance imaging (1.5 Tesla) in patients with intractable focal seizures, (ab), Lesser RP; Modic MT; Weinstein MA; et al, Radiology 1986; 160: 861
- patients with partial seizures: evaluation by MR, CT, and PET imaging, Latack JT; Abou-Khalil BW; Siegel GJ; Sackellares JC; Gabrielsen TO; Aisen AM, Radiology 1986; 159: 159
- triple nuclear NMR studies of cerebral metabolism during generalized seizure, Schnall MD; Yoshizaki K; Chance B; et al, Magn Res Med 1988; 6: 15
- Sella turcica, CT**
- pseudotumor artifact of the dorsum sella in CT scanning, Tihansky DP; Crossen J; Markowitz H, Comput Radiol 1987; 11: 241
- Rathke cleft cysts: CT, MR imaging, and pathologic features, Kucharczyk W; Peck WW; Kelly WM; Norman D; Newton TH, Radiology 1987; 165: 491
- Sella turcica, empty**
- CT iopamidol cisternographic diagnosis of coexisting partial empty sella and pituitary adenoma: report of two cases, Pompili A; Iachetti M; Bianchini AL; et al, Neuroradiol 1987; 29: 93
- hypothalamic-pituitary dysfunction in primary empty sella syndrome in childhood, (ab), Shulman DI; Martinez CR; Bercu BB; et al, Radiology 1986; 160: 861
- MR imaging findings in the posterior pituitary gland, Fujisawa I; Asato R, Radiology 1988; 168: 282
- MR imaging findings in the posterior pituitary gland: reply, Colombo N; Berry I; Kucharczyk J; Kucharczyk W, Radiology 1988; 168: 282
- posterior pituitary gland: appearance on MR images in normal and pathologic states, Colombo N; Berry I; Kucharczyk J; Kucharczyk W; de Groot J; Larson T; Norman D; Newton TH, Radiology 1987; 165: 481
- Sella turcica, fractures**
- fracture of the sella turcica: report of three cases, Keeling FP; Ayers AB; Field S; et al, Clin Radiol 1986; 37: 233
- Sella turcica, MR studies**
- anatomie de la region sellaire en IRM (MRI anatomy of the sellar region), Crouzet G; Cinquin AM; Camuset JP; et al, J Neuroradiol 1986; 13: 73
- MR imaging findings in the posterior pituitary gland, Fujisawa I; Asato R, Radiology 1988; 168: 282
- MR imaging findings in the posterior pituitary gland: reply, Colombo N; Berry I; Kucharczyk J; Kucharczyk W, Radiology 1988; 168: 282
- pituitary adenomas: high-resolution MR imaging at 1.5 T, Kucharczyk W; Davis DO; Kelly WM; Sze G; Norman D; Newton TH, Radiology 1986; 161: 761
- pituitary fossa: chemical shift effect in MR imaging, Haughton VM; Prost R, Radiology 1986; 158: 461
- posterior pituitary gland: appearance on MR images in normal and pathologic states, Colombo N; Berry I; Kucharczyk J; Kucharczyk W; de Groot J; Larson T; Norman D; Newton TH, Radiology 1987; 165: 481
- Rathke cleft cysts: CT, MR imaging, and pathologic features, Kucharczyk W; Peck WW; Kelly WM; Norman D; Newton TH, Radiology 1987; 165: 491
- suprasellar lesions: evaluation with MR imaging, Karnaze MG; Sartor K; Winthrop JD; Gado MH; Hodges FJ III, Radiology 1986; 161: 77
- Sella turcica, neoplasms**
- differentiation of large suprasellar masses by evaluation of the superior margin, Lanzieri CF; Sacher M; Solodnik P; et al, CT 1986; 10: 215
- Seminal vesicle**
- cystic seminal vesiculitis: CT demonstration, Patel PS; Wilbur AC, JCAT 1987; 11: 1103
- giant cyst of the seminal vesicle with renal agenesis, Heaney JA; Pfister RC; Meares EM Jr, AJR 1987; 149: 139
- seminal vesicle abscess: diagnosis by transrectal ultrasound, Lee SB; Lee F; Solomon MH; et al, JCU 1986; 14: 546
- seminal vesicle cyst and ipsilateral renal agenesis: case report, Oyen RH; Gielen JL; van Poppel HP; et al, Eur J Radiol 1988; 8: 122

Seminal vesicle

- seminal vesicle tuberculosis: CT appearance, Premkumar A; Newhouse JH, *JCAT* 1988; 12: 676
- seminal vesiculography in chronic bacterial prostatitis, (ab), Baert L; Leonard A; D'Hoedt M; et al, *Radiology* 1987; 163: 290
- sonographic diagnosis of seminal vesicle cysts, Eisenberg D; Luis-Jorge JC; Himmelfarb EH; et al, *JCU* 1986; 14: 213
- transrectal US of the seminal vesicles and ejaculatory ducts: clinical correlation, Littrup PJ; Lee F; McLeary RD; Wu D; Lee A; Kumasaka GH, *Radiology* 1988; 168: 625
- Seminal vesicle, MR studies**
- MR identification of seminal vesicles simulating a presacral mass after abdominal perineal resection, Haggag AM; Alpern MB; Froelich JW, *AJR* 1988; 151: 519
- Seminal vesicle, neoplasms**
- carcinoma of the seminal vesicle: CT appearance, Sussman SK; Dunnick NR; Silverman PM; et al, *JCAT* 1986; 10: 519
- Seminal vesicle, US studies**
- seminal vesicle abscess after vasectomy: evaluation by transrectal sonography and CT, Zagoria RJ; Papanicolaou N; Pfister RC; et al, *AJR* 1987; 149: 137
- transrectal US of the seminal vesicles and ejaculatory ducts: clinical correlation, Littrup PJ; Lee F; McLeary RD; Wu D; Lee A; Kumasaka GH, *Radiology* 1988; 168: 625
- Seminoma**
- classical and anaplastic seminoma: difference in survival, Bobba VS; Mittal BB; Hoover SV; Kepka A, *Radiology* 1988; 167: 849
- complications from large field intermediate dose infradiaphragmatic radiation: an analysis of the patterns of care outcome studies for Hodgkin's disease and seminoma, Coia LR; Hanks GE, *Int J Radiat Oncol Biol Phys* 1988; 15: 29
- computed tomography of the abdomen in advanced seminoma: response to treatment, Williams MP; Naik G; Heron CW; et al, *Clin Radiol* 1987; 38: 629
- CT evaluation of advanced seminoma treated with chemotherapy, Stomper PC; Jochelson MS; Friedman EL; et al, *AJR* 1986; 146: 745
- intrathoracic manifestations of metastatic testicular seminoma: a comparison of chest radiographic and CT findings, Williams MP; Husband JE; Heron CW, *AJR* 1987; 149: 473
- management of seminoma with bulky abdominal disease, Laakkonen E; Olivetto I; Jackson S, *Int J Radiat Oncol Biol Phys* 1988; 14: 227
- role of radiation in stage II testicular seminoma, Zagars GK; Babaian RJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 163
- seminoma in an atrophic testis: ultrasound evaluation, Schwimer SR; Jacobson E; Lebovic J, *J Ultrasound Med* 1987; 6: 97
- stage I testicular seminoma: rationale for postorchectomy radiation therapy, Zagars GK; Babaian RJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 155
- testicular feminization syndrome with pelvic seminoma, Silverstein AM; Jones RT, *J Ultrasound Med* 1988; 7: 477
- testicular seminoma: analysis of treatment results and failures, Lester SG; Morphis JG II; Hornback NB, *Int J Radiat Oncol Biol Phys* 1986; 12: 353
- usefulness of gallium-67 citrate scanning in testicular seminoma, Willan BD; Penney H; Castor WR; et al, *Clin Nucl Med* 1987; 12: 813
- Septum pellucidum**
- lipoma of the septum pellucidum: case report, Wilberger JE Jr; Abia A; Rothfus W, *CT* 1987; 11: 79
- physiological calcification of the septum pellucidum, Sakai H; Nakamura N, *Neuroradiol* 1986; 28: 173
- septal veins: normal finding on neonatal cranial sonography, Goldstein RB; Filly RA; Toi A, *Radiology* 1986; 161: 623
- Sex**
- case report: demonstration of true hermaphroditism by computed tomography, English RE; Tulloch DN; Blaquier RM, *Clin Radiol* 1986; 37: 593

newborn with hydrometrocolpos and ambiguous genitalia: clinical significance, Janus C; Godine L, *JCU* 1986; 14: 739

technical difficulties of selective venous blood sampling in the differential diagnosis of female hyperandrogenism, Sorensen R; Moltz L; Schwartz U, *Cardiovasc Intervent Radiol* 1986; 9: 75

testicular feminization syndrome with pelvic seminoma, Silverstein AM; Jones RT, *J Ultrasound Med* 1988; 7: 477

Shock

See Trauma

Shoulder

high-resolution MR imaging using loop-gap resonators: work in progress, Kneeland JB; Jesmanowicz A; Froncisz W; Grist TM; Hyde JS, *Radiology* 1986; 158: 247

role of atmospheric pressure in stabilising the shoulder, (ab), Kumar VP; Balasubramanian P, *Radiology* 1986; 159: 572

shoulder instability: impact of glenohumeral arthrotopography on treatment, El-Khoury GY; Kathol MH; Chandler JB; Albright JP, *Radiology* 1986; 160: 669

Shoulder, abnormalities

congenital bilateral glenoid hypoplasia: a report of four cases, Kozlowski K; Scougall J, *Br J Radiol* 1987; 60: 705

magnetic resonance imaging of glenohumeral joint diseases, Kieft GJ; Sartoris DJ; Bloem JL; et al, *Skeletal Radiol* 1987; 16: 285

quadrilateral space syndrome: a rare cause of shoulder pain, Cormier PJ; Matalon TAS; Wolin PM, *Radiology* 1988; 167: 797

rotator cuff impingement syndrome: MR imaging, Kieft GJ; Bloem JL; Rozing PM; Obermann WR, *Radiology* 1988; 166: 211

shoulder instability: impact of glenohumeral arthrotopography on treatment, El-Khoury GY; Kathol MH; Chandler JB; Albright JP, *Radiology* 1986; 160: 669

Shoulder, anatomy

acromioclavicular joint: normal variation and the diagnosis of dislocation, Keats TE; Pope TL Jr, *Skeletal Radiol* 1988; 17: 159

MR imaging of the normal shoulder, Huber DJ; Sauter R; Mueller E; Requaardt H; Weber H, *Radiology* 1986; 158: 405

MR imaging of the normal shoulder: anatomic correlation, Seeger LL; Ruszkowski JT; Bassett LW; et al, *AJR* 1987; 148: 83

normal brachial plexus: MR imaging, Blair DN; Rapoport S; Sostman HD; Blair OC, *Radiology* 1987; 165: 763

normal shoulder: MR imaging, Kieft GJ; Bloem JL; Obermann WR; Verbout AJ; Rozing PM; Doornbos J, *Radiology* 1986; 159: 741

peribursal fat plane of the shoulder: anatomic study and clinical experience, Mitchell MJ; Causey G; Berthoty DP; Sartoris DJ; Resnick D, *Radiology* 1988; 168: 699

Shoulder, angiography

quadrilateral space syndrome: a rare cause of shoulder pain, Cormier PJ; Matalon TAS; Wolin PM, *Radiology* 1988; 167: 797

Shoulder, arthritis

septic shoulder presenting as biceps muscle abscess, Allard JC; Naimark A; Lee VW; et al, *Clin Nucl Med* 1987; 12: 935

Shoulder, arthrography

arthrography in evaluation of birth injuries of the shoulder, White SJ; Blane CE; DiPietro MA; et al, *J Canad Assoc Radiol* 1987; 38: 113

arthrography of the biceps tendon, Ahovuo J; Linden H; Hovi I; et al, *Eur J Radiol* 1988; 8: 196

athlete shoulder injuries: CT arthrographic findings, Rafii M; Firooznia H; Bonomo JJ; Minkoff J; Golimbu C, *Radiology* 1987; 162: 559

computerised arthrotopography of the glenohumeral joint, Faithfull GR; Sonnabend DH, *Australas Radiol* 1988; 32: 111

CT arthrographic patterns in recurrent glenohumeral instability, Singson RD; Feldman F; Bigliani L, *AJR* 1987; 149: 749

CT arthrography of capsular structures of the shoulder, Rafii M; Firooznia H; Golimbu C; et al, *AJR* 1986; 146: 361

CT arthrography of the shoulder: variations of the glenoid labrum, McNiesh LM; Callaghan JJ, *AJR* 1987; 149: 963

recurrent shoulder dislocation after surgical repair: double-contrast CT arthrography, work in progress, Singson RD; Feldman F; Bigliani LU; Rosenberg ZS, *Radiology* 1987; 164: 425

rotator cuff disruption: diagnosis with digital arthrography, Stiles RG; Resnick D; Sartoris DJ; Andre MP, *Radiology* 1988; 168: 705

rotator cuff lesions of the shoulder: evaluation by direct sagittal CT arthrography, Beltran J; Gray LA; Bools JC; Zuelzer WA; Weis LD; Unverferth LJ, *Radiology* 1986; 160: 161

rotator cuff tears: correlation of sonographic and surgical findings, Hodler J; Fretz CJ; Terrier F; Gerber C, *Radiology* 1988; 169: 791

shoulder instability: impact of glenohumeral arthrotopography on treatment, El-Khoury GY; Kathol MH; Chandler JB; Albright JP, *Radiology* 1986; 160: 669

Shoulder, CT

athlete shoulder injuries: CT arthrographic findings, Rafii M; Firooznia H; Bonomo JJ; Minkoff J; Golimbu C, *Radiology* 1987; 162: 559

complex fractures of the proximal humerus: role of CT in treatment, Castagno AA; Shuman WP; Kilcoyne RF; Haynor DR; Morris ME; Matsen FA, *Radiology* 1987; 165: 759

computed tomographic documentation of intra-articular penetration of a screw after operations on the shoulder: report of two cases, (ab), Lower RF; McNiesh LM; Callaghan JJ, *Radiology* 1986; 158: 859

computed tomography of humeral head cup arthroplasties: preliminary report, Egund N; Jonsson E; Lidgren L; et al, *Acta Radiol* 1987; 28: 71

cross-sectional imaging of the capsular mechanism of the glenohumeral joint, Zlatkin MB; Bjorkengren AG; Glyss-Morin V; et al, *AJR* 1988; 150: 151

CT arthrographic patterns in recurrent glenohumeral instability, Singson RD; Feldman F; Bigliani L, *AJR* 1987; 149: 749

CT arthrography of capsular structures of the shoulder, Rafii M; Firooznia H; Golimbu C; et al, *AJR* 1986; 146: 361

CT arthrography of the shoulder: variations of the glenoid labrum, McNiesh LM; Callaghan JJ, *AJR* 1987; 149: 963

double-contrast computed tomographic examination techniques in habitual and recurrent shoulder dislocation, Resch H; Helweg G; zur Nedden D; et al, *Eur J Radiol* 1988; 8: 6

peribursal fat plane of the shoulder: anatomic study and clinical experience, Mitchell MJ; Causey G; Berthoty DP; Sartoris DJ; Resnick D, *Radiology* 1988; 168: 699

recurrent shoulder dislocation after surgical repair: double-contrast CT arthrography, work in progress, Singson RD; Feldman F; Bigliani LU; Rosenberg ZS, *Radiology* 1987; 164: 425

rotator cuff lesions of the shoulder: evaluation by direct sagittal CT arthrography, Beltran J; Gray LA; Bools JC; Zuelzer WA; Weis LD; Unverferth LJ, *Radiology* 1986; 160: 161

Shoulder, dislocation

acromioclavicular joint: normal variation and the diagnosis of dislocation, Keats TE; Pope TL Jr, *Skeletal Radiol* 1988; 17: 159

bent screw: sign of postoperative recurrent dislocation, Rubenstein J, *J Canad Assoc Radiol* 1987; 38: 20

CT arthrographic patterns in recurrent glenohumeral instability, Singson RD; Feldman F; Bigliani L, *AJR* 1987; 149: 749

double-contrast computed tomographic examination techniques in habitual and recurrent shoulder dislocation, Resch H; Helweg G; zur Nedden D; et al, *Eur J Radiol* 1988; 8: 6

- magnetic resonance imaging of glenohumeral joint diseases, Kieft GJ; Sartoris DJ; Bloem JL; et al, *Skeletal Radiol* 1987; 16: 285
- MR imaging of recurrent anterior dislocation of the shoulder: comparison with CT arthrography, Kieft GJ; Bloem JL; Rozing PM; et al, *AJR* 1988; 150: 1083
- recurrent shoulder dislocation after surgical repair: double-contrast CT arthrography, work in progress, Singson RD; Feldman F; Bigliani U; Rosenberg ZS, *Radiology* 1987; 164: 425
- shoulder instability: evaluation with MR imaging, Seeger LL; Gold RH; Bassett LW, *Radiology* 1988; 168: 695
- Shoulder, injuries**
- apical oblique view of the shoulder: its usefulness in acute trauma, Korniguth PJ; Salazar AM, *AJR* 1987; 149: 113
- athlete shoulder injuries: CT arthrographic findings, Rafii M; Firooznia H; Bonomo JJ; Minkoff J; Colimbu C, *Radiology* 1987; 162: 559
- case report 424, Moyer RA; Betz RR; Bonakdarpour A, *Skeletal Radiol* 1987; 16: 333
- clinical aspects of shoulder injuries, Lanzer WL, *Radiol Clin North Am* 1988; 26: 157
- complex fractures of the proximal humerus: role of CT in treatment, Castagno AA; Shuman WP; Kilcoyne RF; Haynor DR; Morris ME; Matsen FA, *Radiology* 1987; 165: 759
- hunter's shoulder in bone imaging, van Valenberg PL; Corstens FH, *Clin Nucl Med* 1988; 13: 62
- magnetic resonance imaging of glenohumeral joint diseases, Kieft GJ; Sartoris DJ; Bloem JL; et al, *Skeletal Radiol* 1987; 16: 285
- major ruptures of the rotator cuff, (ab), Watson M, *Radiology* 1986; 158: 571
- MR imaging diagnosis of rotator cuff tears, Evancho AM; Stiles RG; Fajman WA; et al, *AJR* 1988; 151: 751
- MR imaging of the shoulder: diagnosis of rotator cuff tears, Kneeland JB; Middleton WD; Carrera GF; et al, *AJR* 1987; 149: 333
- peribursal fat plane of the shoulder: anatomic study and clinical experience, Mitchell MJ; Causey G; Berthoty DP; Sartoris DJ; Resnick D, *Radiology* 1988; 168: 699
- pitfalls of rotator cuff sonography, Middleton WD; Reinius WR; Melson GL; et al, *AJR* 1986; 146: 555
- rotator cuff disruption: diagnosis with digital arthrography, Stiles RG; Resnick D; Sartoris DJ; Andre MP, *Radiology* 1988; 168: 705
- rotator cuff lesions of the shoulder: evaluation by direct sagittal CT arthrography, Beltran J; Gray LA; Bools JC; Zuelzer WA; Weiss LD; Unverferth LJ, *Radiology* 1986; 160: 161
- rotator cuff tears: correlation of sonographic and surgical findings, Hodler J; Fretz CJ; Terrier F; Gerber C, *Radiology* 1988; 169: 791
- shoulder impingement syndrome: MR findings in 53 shoulders, Seeger LL; Gold RH; Bassett LW; et al, *AJR* 1988; 150: 343
- shoulder impingement syndrome: prevalence of radiographic findings and correlation with response to therapy, Hardy DC; Vogler JB III; White RH, *AJR* 1986; 147: 557
- shoulder impingement view: a fluoroscopic technique for the detection of subacromial spurs, Newhouse KE; El-Khoury GY; Nepola JV; et al, *AJR* 1988; 151: 539
- shoulder instability: evaluation with MR imaging, Seeger LL; Gold RH; Bassett LW, *Radiology* 1988; 168: 695
- sonographic evaluation of the rotator cuff, Mack LA; Nyberg DA; Matsen FA III, *Radiol Clin North Am* 1988; 26: 161
- sonography of the postoperative rotator cuff, Crass JR; Craig EV; Feinberg SB, *AJR* 1986; 146: 561
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- stress-induced osteolysis of the clavicle, Kaplan PA; Resnick D, *Radiology* 1986; 158: 139
- ultrasonography of rotator cuff tears: a review of 500 diagnostic studies, Crass JR; Craig EV; Feinberg SB, *JCU* 1988; 16: 313
- value of ultrasonography in preoperative diagnosis of rotator cuff tears and postoperative follow-up, Furtcschegger A; Resch H, *Eur J Radiol* 1988; 8: 69
- Shoulder, MR studies**
- cross-sectional imaging of the capsular mechanism of the glenohumeral joint, Zlatkin MB; Bjorkengen AG; Gyls-Morin V; et al, *AJR* 1988; 150: 151
- enhancement of parallel MR image acquisition by rotation of the plane of section, Kneeland JB; Jesmanowicz A; Hyde JS, *Radiology* 1988; 166: 886
- high-resolution MR imaging of the normal rotator cuff, Middleton WD; Kneeland JB; Carrera GF; et al, *AJR* 1987; 148: 559
- high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, Middleton WD; Macrander S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera GF; Foley WD; Jesmanowicz A; Hyde JS, *Radiographics* 1987; 7: 645
- magnetic resonance imaging of glenohumeral joint diseases, Kieft GJ; Sartoris DJ; Bloem JL; et al, *Skeletal Radiol* 1987; 16: 285
- MR imaging diagnosis of rotator cuff tears, Evancho AM; Stiles RG; Fajman WA; et al, *AJR* 1988; 151: 751
- MR imaging of recurrent anterior dislocation of the shoulder: comparison with CT arthrography, Kieft GJ; Bloem JL; Rozing PM; et al, *AJR* 1988; 150: 1083
- MR imaging of the normal shoulder, Huber DJ; Sauter R; Mueller E; Reguardt H; Weber H, *Radiology* 1986; 158: 405
- MR imaging of the normal shoulder: anatomic correlation, Seeger LL; Ruszkowski JT; Bassett LW; et al, *AJR* 1987; 148: 83
- MR imaging of the shoulder: diagnosis of rotator cuff tears, Kneeland JB; Middleton WD; Carrera GF; et al, *AJR* 1987; 149: 333
- normal brachial plexus: MR imaging, Blair DN; Rapoport S; Sostman HD; Blair OC, *Radiology* 1987; 165: 763
- normal shoulder: MR imaging, Kieft GJ; Bloem JL; Obermann WR; Verbout AJ; Rozing PM; Doornbos J, *Radiology* 1986; 159: 741
- peribursal fat plane of the shoulder: anatomic study and clinical experience, Mitchell MJ; Causey G; Berthoty DP; Sartoris DJ; Resnick D, *Radiology* 1988; 168: 699
- rotator cuff impingement syndrome: MR imaging, Kieft GJ; Bloem JL; Rozing PM; Obermann WR, *Radiology* 1988; 166: 211
- rotator cuff tears: preliminary application of high-resolution MR imaging with counter rotating current loop-gap resonators, Kneeland JB; Carrera GF; Middleton WD; Campagna NF; Ryan LM; Jesmanowicz A; Froncz W; Hyde JS, *Radiology* 1986; 160: 695
- shoulder impingement syndrome: MR findings in 53 shoulders, Seeger LL; Gold RH; Bassett LW; et al, *AJR* 1988; 150: 343
- shoulder instability: evaluation with MR imaging, Seeger LL; Gold RH; Bassett LW, *Radiology* 1988; 168: 695
- Shoulder, prostheses**
- computed tomography of humeral head cup arthroplasties: preliminary report, Egund N; Jonsson E; Lidgren L; et al, *Acta Radiol* 1987; 28: 71
- radiology of total shoulder prostheses, Feldman F, *Semin Roentgenol* 1986; 21: 47
- Shoulder, radiography**
- apical oblique view of the shoulder: its usefulness in acute trauma, Korniguth PJ; Salazar AM, *AJR* 1987; 149: 113
- Shoulder, US studies**
- hyperextended internal rotation view in rotator cuff ultrasonography, Crass JR; Craig EV; Feinberg SB, *JCU* 1987; 15: 416
- pitfalls of rotator cuff sonography, Middleton WD; Reinius WR; Melson GL; et al, *AJR* 1986; 146: 555
- rotator cuff tears: correlation of sonographic and surgical findings, Hodler J; Fretz CJ; Terrier F; Gerber C, *Radiology* 1988; 169: 791
- sonographic evaluation of the rotator cuff, Mack LA; Nyberg DA; Matsen FA III, *Radiol Clin North Am* 1988; 26: 161
- sonography of the postoperative rotator cuff, Crass JR; Craig EV; Feinberg SB, *AJR* 1986; 146: 561
- sonography of the postoperative shoulder, Mack LA; Nyberg DA; Matsen FA III; et al, *AJR* 1988; 150: 1089
- ultrasonography of rotator cuff tears: a review of 500 diagnostic studies, Crass JR; Craig EV; Feinberg SB, *JCU* 1988; 16: 313
- value of ultrasonography in preoperative diagnosis of rotator cuff tears and postoperative follow-up, Furtcschegger A; Resch H, *Eur J Radiol* 1988; 8: 69
- Shunts, arterioportal**
- dynamic CT features of arterioportal shunts in hepatocellular carcinoma, Imai Y; Furui S; Ohtomo K; et al, *AJR* 1986; 146: 723
- extensive portal-hepatic venous shunts accompanied by arterio-portal shunts, Fujita M; Iishi H; Kawamoto S; et al, *Gastrointest Radiol* 1988; 13: 351
- occurrence of an intrahepatic porto-arterial shunt after hepatic artery embolization with Gelfoam powder in rats and rabbits, Matsui O; Kawamura I; Takashima T, *Acta Radiol* 1986; 27: 119
- Shunts, arteriovenous**
- intraarterial digital subtraction angiography with carbon dioxide: superior detectability of arteriovenous shunting, Takeda T; Ido K; Yuasa Y; et al, *Cardiovasc Intervent Radiol* 1988; 11: 101
- maintenance of vascular access patency in pediatrics, Hoffer FA; Wyly JB; Fellows KE; et al, *Pediatr Radiol* 1986; 16: 456
- marked hypervascularity and early arteriovenous shunting with portal vein filling in chronic relapsing pancreatitis, Kitagawa K; Takashima T; Matsui O; et al, *Gastrointest Radiol* 1986; 11: 56
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Ingram TL; Reid SH; Tisnado J; Cho S-R; Posner MP, *Radiology* 1988; 166: 45
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Daniell SJN; Dacie JE, *Radiology* 1988; 169: 280
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts: reply, Ingram TL; Reid SH; Cho S-R; Tisnado J, *Radiology* 1988; 169: 280
- quantitative aspects of portal-systemic and arteriovenous shunts within the liver in cirrhosis, (ab), Ohnishi K; Chin N; Sugita S; et al, *Radiology* 1987; 165: 882
- striking visualization of an A-V dialysis shunt on bone imaging, Slizofski WJ; Croll MN; Dadgarvar S, *Clin Nucl Med* 1988; 13: 469
- transcatheter treatment of myelomatous AV shunting causing high-output failure, Sanchez FW; Chuang VP; Skolkin MD, *Cardiovasc Intervent Radiol* 1986; 9: 219
- Shunts, arteriovenous, pulmonary**
- anatomical lung shunting in pulmonary fibrosis, (ab), Miller WC; Heard JG; Unger KM; et al, *Radiology* 1986; 161: 283
- intravenous radionuclide method for repeated shunt determinations, Miller WC; Heard JG; Suich DM; et al, *Clin Nucl Med* 1987; 12: 368
- Shunts, cardiac**
- quantitation of intracardiac shunts by cine-CT, Garrett JS; Jaschke W; Aherne T; et al, *JCAT* 1988; 12: 82
- role of radionuclide shunt studies in management of infants and children, Hurwitz RA; Caldwell RL; Mahony L; et al, *Clin Nucl Med* 1986; 11: 781
- use of factor analysis in the evaluation of left to right cardiac shunts, Villanueva-Meyer J; Philippe L; Cordero S; et al, *J Nucl Med* 1986; 27: 1442
- Shunts, ilioportal**
- ilioportal shunt during a venogram/lung scan, LaManna MM; Parker JA, *Clin Nucl Med* 1986; 11: 875
- Shunts, mesoatrial**
- duplex Doppler evaluation of mesocaval and mesoatrial shunt patency, Fraser KW; Hill MC; Coldwell DM; et al, *JCU* 1988; 16: 127

Shunts, mesoatrial

- mesoatrial shunt for the treatment of Budd-Chiari syndrome: radiologic evaluation in eight patients, Cheezmar JL; Bernardino ME, *AJR* 1987; 149: 707
- mesoatrial shunts for Budd-Chiari syndrome and inferior vena cava thrombosis: angiographic and hemodynamic evaluations, Redmond PL; Kadir S; Kaufman SL; White RI Jr; Cameron JL, *Radiology* 1987; 163: 131

Shunts, mesocaval

- duplex Doppler evaluation of mesocaval and mesoatrial shunt patency, Fraser KW; Hill MC; Coldwell DM; et al, *JCU* 1988; 16: 127

Shunts, peritoneovenous

- demonstration of hydrothorax by intraperitoneal injection of technetium-99m MAA in the evaluation of peritoneovenous shunt patency, Stewart CA; Sakimura IT; Siegel ME, *Clin Nucl Med* 1986; 11: 696
- evaluation of peritoneovenous shunt patency by intraperitoneal Tc-99m macroaggregated albumin: clinical experience, Stewart CA; Sakimura IT; Applebaum DM; et al, *AJR* 1986; 147: 177
- Leveen shunt visualization without function using technetium-99m macroaggregated albumin, Algeo JH Jr; Powell M; Coucaud J, *Clin Nucl Med* 1987; 12: 741
- recanalization of occluded superior vena cava for replacement of LeVein shunt catheter, Vujic I; Moore LB; LeVein HH, *Radiology* 1987; 164: 270
- scintigraphic image of LeVein peritoneovenous shunt displacement, Canott MA; Klein HA, *Clin Nucl Med* 1986; 11: 804

Shunts, portacaval

- aneurysmal portahepatic venous fistula: report of two cases, Chagnon SF; Vallee CA; Barge J; Chevalier L; Le Gal J; Biery MV, *Radiology* 1986; 159: 693
- "atraumatic" transjugular needle for portal vein puncture in swine, Uchida BT; Putnam JS; Rosch J, *Radiology* 1987; 163: 580
- duplex ultrasound in the evaluation of portacaval shunts, Finn JP; Gibson RN; Dunn GD, *Clin Radiol* 1987; 38: 87
- expandable intrahepatic portacaval shunt stents in dogs with chronic portal hypertension, Palmaz JC; Garcia F; Sibbitt RR; et al, *AJR* 1986; 147: 1251
- experimental intrahepatic portacaval shunts created in portal hypertension by balloon angioplasty catheters, Burgener FA; Gutierrez OH, *Invest Radiol* 1988; 23: 24
- shunts for portal hypertension: MR and angiography for determination of patency, Bernardino ME; Steinberg HV; Pearson TC; Gedgaudas-McClees RK; Torres WE; Henderson JM, *Radiology* 1986; 158: 57

Shunts, portohepatic

- extensive portal-hepatic venous shunts accompanied by arterio-portal shunts, Fujita M; Iishi H; Kawamoto S; et al, *Gastrointest Radiol* 1988; 13: 351

Shunts, portosystemic

- case report: enormous intrahepatic communication between the portal vein and the hepatic vein, Ohtomo K; Furui S; Saito M; et al, *Clin Radiol* 1986; 37: 513
- hemodynamic changes in portal circulation after portosystemic shunts: use of duplex sonography in 43 patients, LaFortune M; Patriquin HB; Pomier G; et al, *AJR* 1987; 149: 701
- intrahepatic portosystemic venous shunt: occurrence in patients with and without liver cirrhosis, Mori H; Hayashi K; Fukuda T; et al, *AJR* 1987; 149: 711
- membranous obstruction of the inferior vena cava associated with intrahepatic portosystemic shunt, Mori H; Hayashi K; Amamoto Y, *Cardiovasc Intervent Radiol* 1986; 9: 209
- percutaneous vascular intervention after surgical shunting for portal hypertension, Ruff RJ; Chuang VP; Alspaugh JP; Casarella WJ; Tuten TU; Gaylord GM, *Radiology* 1987; 164: 469
- portosystemic shunt fraction quantification with colonic iodine-123 iodoamphetamine, Yen C-K; Pollock M; Crass R; et al, *J Nucl Med* 1986; 27: 1321
- portosystemic shunting in portal hypertension: evaluation with portal scintigraphy with transrectally administered I-123 IMP, Kashiwagi T; Azuma M; Ikawa T; Takehara T; Matsuda H; Yoshioka H; Mitsutani N; Koizumi T; Kimura K, *Radiology* 1988; 169: 137

- quantitative aspects of portal- and systemic arteriovenous shunts within the liver in cirrhosis, (ab), Ohnishi K; Chin N; Sugita S; et al, *Radiology* 1987; 165: 882

- serum bile acid determination for assessing patency of portosystemic shunts: lack of value, (ab), Tabibian N; Reynolds TB, *Radiology* 1987; 165: 295

- shunts for portal hypertension: MR and angiography for determination of patency, Bernardino ME; Steinberg HV; Pearson TC; Gedgaudas-McClees RK; Torres WE; Henderson JM, *Radiology* 1986; 158: 57

- surgical portosystemic shunts in children: assessment with duplex Doppler US work in progress, Patriquin HB; LaFortune M; Weber A; Blanchard H; Garel L; Roy C, *Radiology* 1987; 165: 25

- tendinous intersection as an unusual site for portosystemic anastomosis: an ultrasonographic observation, Yengpruksawan A; Ganepola GAP; Freeman HP, *JCU* 1987; 15: 265

- ultrasonic Doppler duplex study of hemodynamic changes from portosystemic shunt operation, (ab), Moriyasu F; Yamada T; Miyake T; et al, *Radiology* 1987; 164: 886

Shunts, splenorenal

- percutaneous vascular intervention after surgical shunting for portal hypertension, Ruff RJ; Chuang VP; Alspaugh JP; Casarella WJ; Tuten TU; Gaylord GM, *Radiology* 1987; 164: 469

- postoperative assessment of splenorenal shunts with MRI: preliminary investigation, Cohen JM; Weinreb J; Redman HC, *AJR* 1986; 146: 597

- shunts for portal hypertension: MR and angiography for determination of patency, Bernardino ME; Steinberg HV; Pearson TC; Gedgaudas-McClees RK; Torres WE; Henderson JM, *Radiology* 1986; 158: 57

- transluminal angioplasty of a stenotic surgical splenorenal shunt, Van Beers B; Roche A; Cauquil P, *Acta Radiol* 1988; 29: 327

- visualization of distal splenorenal shunt by isotopic splenovenography, Sukigara M; Komazaki T; Koga K; et al, *Clin Nucl Med* 1987; 12: 189

Shunts, ventricular

- assessment of ventricular shunt patency by sonography: new noninvasive test, Widder DJ; Davis KR; Taveras JM, *AJNR* 1986; 7: 439

Shunts, ventriculoatrial

- chronic pulmonary embolism in children, Woodruff WW III; Merten DF; Wagner ML; Kirks DR, *Radiology* 1986; 159: 511

Shunts, ventriculoperitoneal

- assessment of ventricular shunt patency by sonography: new noninvasive test, Widder DJ; Davis KR; Taveras JM, *AJNR* 1986; 7: 439
- contrast examination of cerebrospinal fluid shunt malfunction in infancy and childhood, Sweeney LE; Thomas PS, *Pediatr Radiol* 1987; 17: 177
- multiple subdural abscesses following colonic perforation—a rare complication of a ventriculoperitoneal shunt, Sharma BS; Kak VK, *Pediatr Radiol* 1988; 18: 407
- splenic pseudocyst as a complication of ventriculoperitoneal shunt: CT features, Mata JM; Alegret X; Llauger J, *JCAT* 1986; 10: 341

Sialography

- See Salivary glands, radiography

Sickle cell disease (SS, SC)

- abdominal pain in sickle cell disease: role of CT, Magid D; Fishman EK; Charache S; Siegelman SS, *Radiology* 1987; 163: 325
- acute chest syndrome in sickle cell disease: etiology and clinical correlates, (ab), Poncz M; Kane E; Gill FM, *Radiology* 1986; 159: 576
- bone changes in the extremities in sickle cell anemia, Bohrer SP, *Semin Roentgenol* 1987; 22: 176
- cardiopulmonary manifestations of sickle cell disease in childhood, Smith JA, *Semin Roentgenol* 1987; 22: 160

- case report 379, Wiggins T; Bohrer SP, *Skeletal Radiol* 1986; 15: 409

- central nervous system, Goldberg HI; Zimmerman RA, *Semin Roentgenol* 1987; 22: 205

- combined bone marrow and gallium imaging: differentiation of osteomyelitis and infarction in sickle hemoglobinopathy, Kahn CE Jr; Ryan JW; Hatfield MK; et al, *Clin Nucl Med* 1988; 13: 443

- facial bone infarcts in sickle cell syndromes, Royal JE; Harris VJ; Sansi PK, *Radiology* 1988; 169: 529

- malignant fibrous histiocytoma in bone infarct: association with sickle cell trait and alcohol abuse, (ab), Frierson HF Jr; Fechner RE; Stallings RG; et al, *Radiology* 1987; 164: 591

- metacarpal index in homozygous sickle-cell disease, Walker TM; Dunn DT; Serjeant GR, *Br J Radiol* 1988; 61: 280

- MR and CT investigation of cerebrovascular disease in sickle cell patients, El Gammal T; Adams RJ; Nichols FT; et al, *AJNR* 1986; 7: 1043

- MRI of sickle cell cerebral infarction, Zimmerman RA; Gill F; Goldberg HI; et al, *Neuroradiol* 1987; 29: 232

- MRI of the spleen: normal appearance and findings in sickle-cell anemia, Adler DD; Glazer GM; Aisen AM, *AJR* 1986; 147: 843

- osteonecrosis of the hip in the sickle-cell diseases: treatment and complications, (ab), Hanker GJ; Amstutz HC, *Radiology* 1988; 169: 294

- painful sickle cell crisis: bone marrow patterns observed with MR imaging, Rao VM; Fishman M; Mitchell DG; Steiner RM; Ballas SK; Axel L; Dalinka MK; Gelfer WB; Kressel HY, *Radiology* 1986; 161: 211

- preservation of sickle cell blood-flow patterns during MR imaging: an in vivo study, Brody AS; Embury SH; Mentzer WC; et al, *AJR* 1988; 151: 139

- radiological abnormalities of the skeleton in patients with sickle-cell anemia: study of 222 cases in Tunisia, Ben Dridi MF; Oumaya A; Gastli H; et al, *Pediatr Radiol* 1987; 17: 296

- radiology of the gastrointestinal tract in sickle cell anemia, Rao VM; Mapp EM; Wechsler RJ, *Semin Roentgenol* 1987; 22: 195

- radionuclide bone imaging findings in recurrent calvarial infarction in sickle cell disease, Burke TS; Tatum JL; Fratrik MJ; et al, *J Nucl Med* 1988; 29: 411

- scintigraphic differentiation of bone infarction from osteomyelitis in children with sickle cell disease, (ab), Rao S; Solomon N; Miller S; et al, *Radiology* 1986; 159: 576

- scintigraphic examination of bone and marrow infarcts in sickle cell disorders, Alavi A; Heyman S; Kim HC, *Semin Roentgenol* 1987; 22: 213

- sickle cell crisis following intraarticular steroid therapy for rheumatoid arthritis, (ab), Gladman DD; Bombardier C, *Radiology* 1988; 167: 295

- sickle cell disease: an overview, Gaston MH, *Semin Roentgenol* 1987; 22: 150

- sickle-cell nephropathy: MR imaging, Lande IM; Glazer GM; Sarnaik S; Aisen AM; Rucknagel D; Martel W, *Radiology* 1986; 158: 379

- skull and spine, Reynolds J, *Semin Roentgenol* 1987; 22: 168

- thoracic extramedullary hematopoiesis in sickle-cell disease, Gumbs RV; Higginbotham-Ford EA; Teal JS; et al, *AJR* 1987; 149: 889

- tibial and fibular angles in homozygous sickle cell disease, Akamaguna AI; Odita IC; Ugboaga CI; et al, *Eur J Radiol* 1986; 6: 97

- urological manifestations of S-hemoglobinopathy, Mapp E; Karasick S; Pollack H; et al, *Semin Roentgenol* 1987; 22: 186

Silicone

- breast irradiation following silicone gel implants, Jacobson GM; Sause WT; Thomson JW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 835

- CT in silicosis: correlation with plain films and pulmonary function tests, Bergin CJ; Müller NL; Vedral S; et al, *AJR* 1986; 146: 477

- silicone-induced erosive arthritis: radiologic features in seven cases. Schneider HJ; Weiss MA; Stern PJ, *AJR* 1987; 148: 923
- Single-photon emission tomography**
See Emission CT
- Sinuses, cavernous**
See Cavernous sinus
- Sinuses, dural**
computed tomography of dural sinus thrombosis. Goldberg AL; Rosenbaum AE; Wang H; et al, *JCAT* 1986; 10: 16
congested deep subcortical veins as a sign of dural venous thrombosis: MR and CT correlations. Anderson SC; Shah CP; Murtagh FR, *JCAT* 1987; 11: 1059
dural fistulas involving the cavernous sinus: results of treatment in 30 patients. Halbach VV; Higashida RT; Hieshima GB; Reicher MA; Norman D; Newton TH, *Radiology* 1987; 161: 437
dural fistulas involving the transverse and sigmoid sinuses: results of treatment in 28 patients. Halbach VV; Higashida RT; Hieshima GB; Goto K; Norman D; Newton TH, *Radiology* 1987; 163: 443
dural sinus thrombosis: study using intermediate field strength MR imaging. McMurdo SK Jr; Brant-Zawadzki M; Bradley WG Jr; Chang GY; Berg BO, *Radiology* 1986; 161: 83
dural sinus thrombosis: verification with spin-echo techniques. Sze G; Simmons B; Krol G; et al, *AJNR* 1988; 9: 679
fat in the dural sinus. Tokiguchi S; Ando K; Tsuchiya T; et al, *Neuroradiol* 1986; 28: 267
fat in the dural sinus—CT and anatomical correlations. Tokiguchi S; Kurashima A; Ito J; et al, *Neuroradiol* 1988; 30: 78
massive jugular and dural sinus reflux associated with cerebral death. Shore RM; Rao BK; Berg OB, *Pediatr Radiol* 1988; 18: 164
MR imaging of cerebral dural sinus thrombosis. Snyder TC; Sachdev HS, *JCAT* 1986; 10: 889
MR imaging of transverse/sigmoid dural sinus and jugular vein thrombosis. McArdle CB; Mirfakhraee M; Amparo EG; et al, *JCAT* 1987; 11: 831
septic thrombosis of the dural venous sinuses. (ab). Southwick FS; Richardson EP Jr; Swartz MN, *Radiology* 1987; 162: 591
- Sinuses, frontal**
See Parasagittal sinuses
- Sinuses, lateral**
cinq cas d'exophtalmie unilatérale en relation avec des anomalies vasculaires de la région du sinus latéral (five cases of unilateral exophthalmos associated with abnormalities in the lateral sinus area). Laurent A; Guimaraens L; Rufenacht D; et al, *J Neuroradiol* 1986; 13: 125
lateral sinus thrombosis: sometimes unexpected diagnosis. (ab). Hawkins DB, *Radiology* 1986; 159: 574
long term follow-up of 43 pure dural arteriovenous fistulae (AVF) of the lateral sinus. Fermand M; Reizine D; Melki JP; et al, *Neuroradiol* 1987; 29: 348
- Sinuses, maxillary**
See Parasagittal sinuses
- Sinuses, parasagittal**
See Parasagittal sinuses
- Sinuses, sphenoid**
See Parasagittal sinuses
- Sinuses, superior sagittal**
case of the month: fit in a young woman. Vali A; McKinstry CS; Dick D, *Br J Radiol* 1988; 61: 335
empty delta sign: frequency and significance in 76 cases of dural sinus thrombosis. Virapongse C; Cazenave C; Quisling RG; Sarwar M; Hunter S, *Radiology* 1987; 162: 779
MR of venous sinus thrombosis: case report. Bauer WM; Einhaupl K; Heywang SH; et al, *AJNR* 1987; 8: 713
superior sagittal sinus thrombosis: assessment with Tc-99m labeled red blood cells. Front D; Israel O; Even-Sapir E; Feinsud M, *Radiology* 1986; 158: 453
superior sagittal sinus thrombosis with intracerebral hematoma. Gum GK; Numaguchi Y; Foster RW; et al, *Comput Radiol* 1987; 11: 199
- treatment of dural arteriovenous malformations involving the superior sagittal sinus. Halbach VV; Higashida RT; Hieshima GB; et al, *AJNR* 1988; 9: 337
- Sinusitis**
acute sinusitis mimicking antrochoanal polyp. Nino-Murcia M; Rao VM; Mikaelian DO; et al, *AJNR* 1986; 7: 513
computed tomographic diagnosis of septic sinus thrombosis and their complications. de Slegte RGM; Kaiser MC; van der Baan S; et al, *Neuroradiol* 1988; 30: 160
focus of recurrent septicemia due to Klebsiella pneumoniae detected by indium leukocyte scintigraphy. Kennedy JF; O'Connor MK; Humphrey H; et al, *Clin Nucl Med* 1987; 12: 326
fungal sinusitis: diagnosis with CT and MR imaging. Zinreich SJ; Kennedy DW; Malat J; Curtin HD; Epstein JI; Huff LC; Kumar AJ; Johns ME; Rosenbaum AE, *Radiology* 1988; 169: 439
inflammatory disorders of the paranasal sinuses and their complications. Weber AL; Mikulis DK, *Radiol Clin North Am* 1987; 25: 615
invasive basal cell carcinoma with secondary giant mucocoele formation. Jinks JR, *Neuroradiol* 1987; 29: 211
occult sinus abnormalities in the asthmatic patient. (ab). Schwartz HJ; Thompson JS; Sher TH; et al, *Radiology* 1988; 167: 888
opacified maxillary sinus: CT findings in chronic sinusitis and malignant tumors. Silver AJ; Baredes S; Bello JA; Blitzer A; Hilal SK, *Radiology* 1987; 163: 205
paranasal sinuses: CT imaging requirements for endoscopic surgery. Zinreich SJ; Kennedy DW; Rosenbaum AE; Gayler BW; Kumar AJ; Stammberger H, *Radiology* 1987; 163: 769
pneumatization of the maxillary sinus in normal and symptomatic children. Odita JC; Akamaguna AL; Ogisi FO; et al, *Pediatr Radiol* 1986; 16: 365
radiography and ultrasonography in paranasal sinusitis. Jensen C; von Sydow C, *Acta Radiol* 1987; 28: 31
radiological appearance of the post-Caldwell-Luc maxillary sinus. Unger JM; Dennison BF; Duncavage JA; et al, *Clin Radiol* 1986; 37: 77
sinonasal tumors and inflammatory tissues: differentiation with MR imaging. Som PM; Shapiro MD; Biller HF; Sasaki C; Lawson W, *Radiology* 1988; 167: 803
- Sjogren syndrome**
See Eye, diseases
- Skeleton**
See Bones
- Skin, abnormalities**
pancreatic acinar cell carcinoma with subcutaneous and intraosseous fat necrosis. Radin DR; Colletti PM; Forrester DM; Tang WW, *Radiology* 1986; 158: 67
- Skin, diseases**
acne-associated spondylarthropathy: radiographic features. Ellis BI; Shier CK; Leisen JJC; Kastan DJ; McGoe JW, *Radiology* 1987; 162: 541
CT demonstration of steatocystoma multiplex. Sonnenblick EB; Buchness MR; Austin JHM, *JCAT* 1986; 10: 357
epidermolysis bullosa: radiographic findings in 16 cases. Mauro MA; Parker LA; Hartley WS; et al, *AJR* 1987; 149: 925
erosive arthropathy associated with scleromyxedema. (ab). Jamieson TW; De Smet AA; Stuchschulte DJ, *Radiology* 1986; 159: 572
pyloric atresia associated with epidermolysis bullosa. Orense M; Hernandez JBG; Celorio C; et al, *Pediatr Radiol* 1987; 17: 435
pyoderma gangrenosum and erosive peripheral arthritis. Griffiths HJ; Sundaram M, *J Canad Assoc Radiol* 1986; 37: 125
superficial fascial calcification in epidermolysis bullosa. Panicek DM; Leeson SH, *AJR* 1987; 148: 577
- Skin, effects of irradiation on**
accelerated versus conventional fractionation: the degree of incomplete repair in human skin with a four-hour-fraction interval studied after postmastectomy irradiation. Turesson I; Nötter G, *Acta Oncol* 1988; 27: 169
- assessment of skin dose and its relation to cosmetics in the conservative treatment of early breast cancer. Habibollahi F; Mayles HMO; Mayles WPM; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 291
changes in the cell kinetics of pig epidermis after single doses of X rays. Morris GM; Hopewell JW, *Br J Radiol* 1988; 61: 205
effect of simultaneous administration of bleomycin on the acute skin reactions of mice after single and fractionated doses of radiation. Vanuytsel L; Feng Y; Landuyt W; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 103
some methodological problems in estimating radiobiological parameters from clinical data: alpha/beta ratios and electron RBE for cutaneous reactions in patients treated with postmastectomy radiotherapy. Bentzen SM; Christensen JJ; Overgaard J; et al, *Acta Oncol* 1988; 27: 105
- Skin, inflammation**
See Dermatitis
- Skin, MR studies**
surface coil for MR imaging of the skin. Hyde JS; Jesmanowicz A; Kneeland JB, *Magn Res Med* 1987; 5: 456
- Skin, neoplasms**
cutaneous malignant lymphoma. Esche BA; Fitzpatrick PJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2111
effects of roentgen irradiation on human melanoma metastases in the skin. Salmi R; Holsti P, *Acta Oncol* 1987; 26: 37
Merkel cell carcinoma. Marks S; Radin DR; Chandrasoma P, *CT* 1987; 11: 291
multiple granular cell tumors of the skin and gastrointestinal tract. Radin DR; Zelnar R; Kay MJ; et al, *AJR* 1986; 147: 1305
nevroid basal-cell carcinoma syndrome. (ab). Gorlin RJ, *Radiology* 1987; 165: 592
role of radiotherapy in the management of primary cutaneous neuroendocrine tumors (Merkel cell or trabecular carcinoma): experience at the Peter MacCallum Cancer Institute (Melbourne, Australia). Pacella J; Ashby M; Ainslie J; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1077
T2-T4 carcinoma of the skin of the head and neck treated with radical irradiation. Mendenhall WM; Parsons JT; Mendenhall NP; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 975
treatment of basal-cell carcinoma: comparison of radiotherapy and cryotherapy. Hall VL; Leppard BJ; McGill J; et al, *Clin Radiol* 1986; 37: 33
- Skin, radionuclide studies**
assessment of the viability of skin grafts. Wahner HW, *Semin Nucl Med* 1988; 18: 255
- Skin, therapeutic radiology**
cutaneous malignant lymphoma. Esche BA; Fitzpatrick PJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2111
dose distribution in total skin electron beam irradiation using the six-field technique. Niroomand-Rad A; Gillin MT; Komaki R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 415
effects of roentgen irradiation on human melanoma metastases in the skin. Salmi R; Holsti P, *Acta Oncol* 1987; 26: 37
indications for total cutaneous electron beam radiation therapy of mycosis fungoides. Le Bourgeois JP; Haddad E; Marinello G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 189
regressing atypical histiocytosis: a case report of control following low dose radiation therapy. Selch MT; Fu YS, *Int J Radiat Oncol Biol Phys* 1987; 13: 1739
role of radiotherapy in the management of primary cutaneous neuroendocrine tumors (Merkel cell or trabecular carcinoma): experience at the Peter MacCallum Cancer Institute (Melbourne, Australia). Pacella J; Ashby M; Ainslie J; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1077
T2-T4 carcinoma of the skin of the head and neck treated with radical irradiation. Mendenhall WM; Parsons JT; Mendenhall NP; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 975
total skin electron irradiation for mycosis fungoides: relationship between acute toxicities and measured dose at different anatomic sites. Desai KR; Pezner RD; Lipsett JA; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 641

Skin, therapeutic radiology

treatment of basal-cell carcinoma: comparison of radiotherapy and cryotherapy, Hall VL; Leppard BJ; McGill J; et al, *Clin Radiol* 1986; 37: 33

Skin, US studies

quantitative assessment of burn injury in porcine skin with high-frequency ultrasonic imaging, Brink JA; Sheets PW; Dines KA; et al, *Invest Radiol* 1986; 21: 645
ultrasound examination of skin thickness in patients with progressive systemic sclerosis (scleroderma), Akesson A; Forsberg L; Hederstrom E; et al, *Acta Radiol* 1986; 27: 91
ultrasound of normal skin, Fornage BD; Deshayes J-L, *JCU* 1986; 14: 619

Skull

See also Head

chronic pyogenic osteomyelitis of the calvarial bones, Mohan V; Gupta SK; Mohanty S, *Australas Radiol* 1987; 31: 389
Pott puffy tumor: a serious occult infection, (ab), Feder HM; Cates KL; Cementina AM, *Radiology* 1987; 165: 591
radiographic appearance of frontal osteomyelitis in two patients with extradural abscess, Belli AM; Dow CJ; Monro P, *Br J Radiol* 1987; 60: 1026

Skull, abnormalities

abnormalities of fetal cranial contour in sonographic detection of spina bifida: evaluation of the "lemon" sign, Nyberg DA; Mack LA; Hirsch J; Mahony BS, *Radiology* 1988; 167: 387
antenatal diagnosis of fetal acrania, Vergani P; Chidini A; Sirtori M; et al, *J Ultrasound Med* 1987; 6: 715
appearance of hyperostosis frontalis interna on indium-111 leukocyte scans: potential diagnostic pitfall, Floyd JL; Jackson DE Jr; Carretta R, *J Nuc Med* 1986; 27: 495
canalis basilaris medianus and related defects of the basiocciput, Currarino G, *AJNR* 1988; 9: 208
changes at the base of skull and cervical spine in Down syndrome, Miller JDR; Capusten BM; Lampard R, *J Canad Assoc Radiol* 1986; 37: 85
circumscribed lytic lesions of the thalassaemic skull, Orzincolo C; Castaldi G; Bariani L; et al, *Skeletal Radiol* 1988; 17: 344
cloverleaf skull associated with unusual skeletal anomalies, Say B; Poznanski AK, *Pediatr Radiol* 1987; 17: 93
CT findings in complete premature craniosynostosis, Jinkins JR, *Neuroradiol* 1987; 29: 216
"hair-on-end" pattern in the skull, Daly D, *Semin Roentgenol* 1987; 22: 144
hydrocephalus and mental retardation in craniosynostosis, (ab), Noetzel MJ; Marsh JL; Palkes H; et al, *Radiology* 1986; 159: 575
intrauterine skull depression and intracranial hemorrhage in a premature infant, Batton DG; DiCarmino F; Boal DK, *Pediatr Radiol* 1988; 18: 181
in utero sonographic demonstration of a caput succedaneum, Schwimer SR; Lebovic J, *J Ultrasound Med* 1986; 5: 711
Kleeblattschadel anomaly: in utero sonographic appearance, Stamm ER; Pretorius DH; Rumack CM; et al, *J Ultrasound Med* 1987; 6: 319
"lemon" sign: a clinical perspective, Filly RA, *Radiology* 1988; 167: 573
progressive diaphyseal dysplasia (Camurati-Engelmann): radiographic follow-up and CT findings, Kaftori JK; Kleinhaus U; Naveh Y, *Radiology* 1987; 164: 777
pseudo-widening of cranial sutures as a feature of long-term prostaglandin E₁ therapy, Beitzke A; Stein J, *Pediatr Radiol* 1986; 16: 57
severe craniofacial sclerosis with multiple anomalies in a boy and his mother, Currarino G; Friedman JM, *Pediatr Radiol* 1986; 16: 441
skull and spine, Reynolds J, *Semin Roentgenol* 1987; 22: 168
sonographic diagnosis of cloverleaf skull and thanatophoric dysplasia in the second trimester, Weiner CP; Williamson RA; Bonsib SM, *JCU* 1986; 14: 463
sonographic findings in infants with macrocrania, Babcock DS; Han BK; Dine MS, *AJR* 1988; 150: 1359

Skull, anatomy

MR imaging of the nasopharynx and floor of the middle cranial fossa, part I. normal anatomy, Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benson JR; Hanafee WN, *Radiology* 1987; 164: 811
zygomatic arch simulating a fluid level in the sphenoid sinus, Svensson WE, *Br J Radiol* 1988; 61: 518

Skull, CT

computed tomography of the calvarial and petrous bone sarcoidosis, Dalley RW; Robertson WD; Nugent RA, *JCAT* 1987; 11: 884
computerised tomography in the evaluation of expansile lesions arising from the skull vault in childhood—a report of 5 cases, Arthur KJ; Brunelle F, *Pediatr Radiol* 1988; 18: 294
CT features of hyperostosing meningioma en plaque, Kim KS; Rogers LF; Goldblatt D, *AJNR* 1987; 8: 853
occipital aneurysmal bone cyst: CT features, Braun J; Guilburd JN; Borovich B; et al, *JCAT* 1987; 11: 880
Paget disease of the calvaria and facial bones with an osteosarcoma of the maxilla: CT and MR findings, Som PM; Hermann G; Sacher M; et al, *JCAT* 1987; 11: 887
three-dimensional contour surfacing of the skull, face, and brain from CT and MR images and from anatomic sections, Stimac GK; Sundsten JW; Prothero JS; et al, *AJR* 1988; 151: 807

Skull, cysts

aneurysmal bone cyst of the frontal bone—case report, Saha MM; Kapoor R, *Australas Radiol* 1986; 30: 8
case report: intradiploic leptomeningeal cyst of the frontal bone occurring as a complication of head injury in an adult, Cook PG; Norman PF, *Clin Radiol* 1988; 39: 214
giant intradiploic epidermoid cysts of the skull, report of two cases, (ab), Constans JP; Meder JF; De Divittis E; et al, *Radiology* 1986; 158: 284
intradiploic epidermoid cysts in adults: CT contribution to diagnosis in 6 new cases, Guillard J-M; Kien P; Colombani S; et al, *J Neuroradiol* 1986; 13: 22
temporoparietal dermoid cysts with intracranial extension, Currarino G; Rutledge JC, *AJNR* 1988; 9: 385

Skull, diseases

cranial CT findings in sclerosteosis, Hill SC; Stein SA; Dwyer A; et al, *AJNR* 1986; 7: 505
Paget disease of the calvaria and facial bones with an osteosarcoma of the maxilla: CT and MR findings, Som PM; Hermann G; Sacher M; et al, *JCAT* 1987; 11: 887

Skull, fractures

case report: intradiploic leptomeningeal cyst of the frontal bone occurring as a complication of head injury in an adult, Cook PG; Norman PF, *Clin Radiol* 1988; 39: 214
cavernous sinus air in a patient with basilar skull fracture: CT identification, Bartynski WS; Wang A-M, *JCAT* 1988; 12: 141
complex fractures of the clivus: diagnosis with CT and clinical outcome in 11 patients, Joslyn JN; Mirvis SE; Markowitz B, *Radiology* 1988; 166: 817
growing skull fracture—rupture of coronal suture caused by vacuum extraction, Hansen KN; Pedersen H; Petersen MB, *Neuroradiol* 1987; 29: 502
posttraumatic ethmoidal pseudomeningoencephalocele, Jinkins JR, *AJNR* 1987; 8: 649
radiographic characteristics of skull fractures resulting from child abuse, Meservy CJ; Towbin RB; McLaurin RL; et al, *AJNR* 1987; 8: 455

Skull, growth and development

pediatric patients with achondroplasia: CT evaluation of the craniocervical junction, Wang H; Rosenbaum AE; Reid CS; Zinreich SJ; Peyerit RE, *Radiology* 1987; 164: 515
sonographic findings in infants with macrocrania, Babcock DS; Han BK; Dine MS, *AJNR* 1988; 9: 307

Skull, injuries

case report: intradiploic leptomeningeal cyst of the frontal bone occurring as a complication of head injury in an adult, Cook PG; Norman PF, *Clin Radiol* 1988; 39: 214

computerized tomography CT in orbito-frontal injuries, Zouaoui A; Metzger J; Princ G; et al, *J Neuroradiol* 1986; 13: 291

contribution of computerized tomography to the radiological study of craniofacial injuries: 34 cases, Halimi P; Doyon D; Bekkali F; et al, *J Neuroradiol* 1986; 13: 253

craniofacial fractures and brain injuries, Bracard S; Marchal J-C; Auque J; et al, *J Neuroradiol* 1986; 13: 265

craniofacial injuries, Doyon D; Vaillant JM; Comoy J, *J Neuroradiol* 1986; 13: 229

craniofacial injuries: neurosurgical problems, Comoy J, *J Neuroradiol* 1986; 13: 248

president's address: caring for the major trauma victim: role for radiology, McCort JJ, *Radiology* 1987; 163: 1

radionuclide passage study in the diagnosis of osteo-dural fistulae, George B; Coghignon J; Dassetan T; et al, *J Neuroradiol* 1986; 13: 286

rhinorrhea and meningitis due to post-traumatic osteo-meningeal defects in the anterior cranial fossa: diagnosis with water-soluble CT cisternography, Prere J; Puech JL; Deroover N; et al, *J Neuroradiol* 1986; 13: 278

skull x-rays in head trauma: are they still necessary? a review of 1000 cases, Garniak A; Feivel M; Hertz M; et al, *Eur J Radiol* 1986; 6: 89

use of CT in acute trauma victims, Young JWR; Burgess AR, *Radiology* 1988; 166: 903

use of CT in acute trauma victims: reply, McCort JJ, *Radiology* 1988; 166: 903

Skull, MR studies

base of the skull imaging, Osborn AG; Harnsberger HR; Smoker WRK, *Semin US CT MR* 1986; 7: 91

chordomas: MR imaging, Sze G; Uichanco LS III; Brant-Zawadzki MN; Davis RL; Gutin PH; Wilson CB; Norman D; Newton TH, *Radiology* 1988; 166: 187

cranial postoperative site: MR imaging appearance, Lanzieri CF; Larkins M; Mancall A; et al, *AJNR* 1988; 9: 27

Ewing sarcoma of the skull with an unusual pattern of reactive sclerosis: MR characteristics, Freeman MP; Currie CM; Gray GF Jr; et al, *JCAT* 1988; 12: 143

magnetic resonance imaging of the craniocervical junction, Lufkin RB; Vinuela F; Benson JR; et al, *Comput Med Imag Graph* 1988; 12: 281

metastatic Ewing's sarcoma to the skull: CNS involvement excluded by MRI, Taets ven Amerongen AHM; Kaiser MC; de Waal FC, *Pediatr Radiol* 1987; 17: 242

MR imaging of the nasopharynx and floor of the middle cranial fossa, part II. malignant tumors, Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Benson JR; Hanafee WN, *Radiology* 1987; 164: 817

Paget disease of the calvaria and facial bones with an osteosarcoma of the maxilla: CT and MR findings, Som PM; Hermann G; Sacher M; et al, *JCAT* 1987; 11: 887

three-dimensional contour surfacing of the skull, face, and brain from CT and MR images and from anatomic sections, Stimac GK; Sundsten JW; Prothero JS; et al, *AJR* 1988; 151: 807

tumor invasion of the anterior skull base: a comparison of MR and CT studies, Paling MR; Black WC; Levine PA; et al, *JCAT* 1987; 11: 824

Skull, neoplasms

case report 476, Boorstein JM; Spizarny DL, *Skeletal Radiol* 1988; 17: 208

chordoma: role of radiation therapy, Amendola BE; Amendola MA; Oliver E; McClatchey KD, *Radiology* 1986; 158: 839

computed tomography of intracranial chondroma with emphasis on delayed contrast enhancement, Tanohata K; Maehara T; Aida N; et al, *JCAT* 1987; 11: 820

computerized tomography in the evaluation of expansile lesions arising from the skull vault in childhood—a report of 5 cases, Arthur RJ; Brunelle F, *Pediatr Radiol* 1988; 18: 294

craniofacial osteosarcomas: plain film, CT, and MR findings in 46 cases, Lee Y-Y; Van Tassel P; Nauert C; et al, *AJNR* 1988; 9: 379

- CT features of hyperostosing meningioma en plaque. Kim KS; Rogers LF; Goldblatt D. *AJNR* 1987; 8: 853
- Ewing sarcoma of the skull with an unusual pattern of reactive sclerosis: MR characteristics. Freeman MP; Currie CM; Gray GF Jr; et al. *JCAT* 1988; 12: 143
- intraosseous lipomas: radiologic and pathologic manifestations. Milgram JW. *Radiology* 1988; 167: 155
- metastatic Ewing's sarcoma to the skull: CNS involvement excluded by MRI. Taets ven Amerongen AHM; Kaiser MC; de Waal FC. *Pediatr Radiol* 1987; 17: 242
- MR imaging of the nasopharynx and floor of the middle cranial fossa. part II. malignant tumors. Teresi LM; Lufkin RB; Vinuela FV; Dietrich RB; Wilson GH; Bentson JR; Hanafae WN. *Radiology* 1987; 164: 817
- osteogenic sarcoma of the skull: clinicopathologic study of 19 patients. (ab). Huvos AG; Sundaresan N; Bretsky SS; et al. *Radiology* 1986; 158: 859
- tumor invasion of the anterior skull base: a comparison of MR and CT studies. Palling MR; Black WC; Levine PA; et al. *JCAT* 1987; 11: 824
- Skull, radiography**
- hyperostosis cranii: radiography and scintigraphy compared. Jacobsson H; Haverling M. *Acta Radiol* 1988; 29: 223
- skull radiography in infants: potential hazards of the use of head clamps. Rosenblum J; Yousefzadeh DK; Ramilo JL. *Radiology* 1986; 161: 367
- skull x-rays in head trauma: are they still necessary? a review of 1000 cases. Garniak A; Feivel M; Hertz M; et al. *Eur J Radiol* 1986; 6: 89
- Skull, radionuclide studies**
- hyperostosis cranii: radiography and scintigraphy compared. Jacobsson H; Haverling M. *Acta Radiol* 1988; 29: 223
- mucocele of the skull. Silbertstein EB; Daly D. *Clin Nucl Med* 1988; 13: 135
- normal and abnormal single photon emission computed tomography of the skull: comparison with planar scintigraphy. Israel O; Jerushalmi J; Frenkel A; et al. *J Nucl Med* 1988; 29: 1341
- SPECT confidence building: subtle skull bone imaging lesions made conspicuous. Cawthon NA; Hartshorne MF; Bauman JM. *Clin Nucl Med* 1986; 11: 805
- Skull, surgery**
- cranial postoperative site: MR imaging appearance. Lanzieri CF; Larkins M; Mancall A; et al. *AJNR* 1988; 9: 27
- gas bubbles in polymethylmethacrylate cranioplasty simulating abscesses: CT appearance. Mason TC; Rose BS; Goodman JH. *AJNR* 1986; 7: 829
- Skull, US studies**
- abnormalities of fetal cranial contour in sonographic detection of spina bifida: evaluation of the "lemon" sign. Nyberg DA; Mack LA; Hirsch J; Mahony BS. *Radiology* 1988; 167: 387
- cranial duplex sonography of the infant. Grant EG; White EM; Schellinger D; Choyke PL; Sarcone AL. *Radiology* 1987; 163: 177
- flow velocity in cerebral arteries in the newborn. van Bel F. *Radiology* 1988; 166: 904
- flow velocity in cerebral arteries in the newborn: reply. Grant E. *Radiology* 1988; 166: 905
- Kleeblattschadel anomaly: in utero sonographic appearance. Stamm ER; Pretorius DH; Rumack CM; et al. *J Ultrasound Med* 1987; 6: 319
- "lemon" sign: a clinical perspective. Filly RA. *Radiology* 1988; 167: 573
- Slides**
- minimizing moisture shadows that obscure projected slides. Sickles EA. *Radiology* 1988; 166: 887
- simplified slide production in radiology departments. Groves JR; Göthlin JH. *Eur J Radiol* 1987; 7: 283
- Small intestine**
- See Intestines
- Sodium**
- See Magnetic resonance (MR), sodium studies
- Soft tissues**
- See also names of soft tissues, such as Breast
- Soft tissues, calcification**
- case report 364. El-Khoury GY; Foucar E; Blair WF; et al. *Skeletal Radiol* 1986; 15: 313
- fibrodysplasia ossificans progressiva: CT appearance. Reining JW; Hill SC; Fang M; Marini J; Zasloff MA. *Radiology* 1986; 159: 153
- periarticular calcification in immunosuppressed cardiac transplant patients. Kubota RT; Resnik CS. *Invest Radiol* 1988; 23: 113
- subcutaneous calcifications masquerading as pulmonary lesions in long-term hemodialysis. review of nodular pulmonary opacities in the population undergoing hemodialysis. (ab). Jolles H; Johnson AC; Eli SR. *Radiology* 1986; 158: 566
- vascular and soft tissue calcification in systemic oxalosis: CT diagnosis. Glickstein MF; Haggard AM; Coleman BG. *JCAT* 1986; 10: 691
- Soft tissues, CT**
- computed tomography of hemangiomas and related soft-tissue lesions in children. Liu P; Daneman A; Stringer DA; et al. *J Canad Assoc Radiol* 1986; 37: 248
- elastofibroma: chest wall pseudotumor. Berthoty DP; Shulman HS; Miller HAB. *Radiology* 1986; 160: 341
- fibrodysplasia ossificans progressiva: CT appearance. Reining JW; Hill SC; Fang M; Marini J; Zasloff MA. *Radiology* 1986; 159: 153
- magnetic resonance imaging versus computed tomography in the evaluation of soft tissue tumors of the extremities. (ab). Chang AE; Matory YL; Dwyer AJ; et al. *Radiology* 1987; 165: 590
- MRI and CT evaluation of primary bone and soft-tissue tumors. Aisen AM; Martel W; Braunstein EM; et al. *AJR* 1986; 146: 749
- soft-tissue abnormalities of the foot and ankle: CT diagnosis. Keyser CK; Gilula LA; Hardy DC; et al. *AJR* 1988; 150: 845
- soft-tissue masses of the locomotor system: comparison of MR imaging with CT. Petasnick JP; Turner DA; Charters JR; Gitelis S; Zacharias CE. *Radiology* 1986; 160: 125
- soft-tissue tumors: MR imaging. Totty WG; Murphy WA; Lee JKT. *Radiology* 1986; 160: 135
- Soft tissues, foreign bodies**
- ultrasonic detection of soft tissue foreign bodies. Little CM; Parker MG; Callowich MC; et al. *Invest Radiol* 1986; 21: 275
- Soft tissues, infection**
- Brown sequestrum syndrome secondary to soft tissue infection in a patient with acute lymphocyte leukemia. Khardori N; McCredie K; Bodey GP. *Neuroradiol* 1988; 30: 348
- experimental infections of the musculoskeletal system: evaluation with MR imaging and Tc-99m MDP and Ga-67 scintigraphy. Beltran J; McGhee RB; Shaffer PB; Olsen JO; Bennett WF; Foster TR; McCalla MS; Iskra LA; Blagg RL; Biller DS. *Radiology* 1988; 167: 167
- infections of the musculoskeletal system: high-field-strength MR imaging. Beltran J; Noto AM; McGhee RB; Freedy RM; McCalla MS. *Radiology* 1987; 164: 449
- mycetoma. (ab). Lewall DB; Ofolo S; Bendt B. *Radiology* 1986; 159: 573
- osteomyelitis and soft-tissue infection: differential diagnosis with 24 hour/4 hour ratio of Tc-99m MDP uptake. Israel O; Gips S; Jerushalmi J; Frenkel A; Front D. *Radiology* 1987; 163: 725
- scintigraphic findings in chronic actinomycosis osteomyelitis and associated soft tissue infection. Grund FM; Ewing SL; Shafer RB. *Clin Nucl Med* 1986; 11: 23
- Soft tissues, inflammation**
- See Cellulitis
- Soft tissues, injuries**
- patient-induced stress test of the first metacarpophalangeal joint: radiographic assessment of collateral ligament injuries. Downey EF Jr; Curtis DJ. *Radiology* 1986; 158: 679
- Soft tissues, MR studies**
- gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging—preliminary clinical experience in five patients. Pettersson H; Eliasson J; Egund N; et al. *Skeletal Radiol* 1988; 17: 319
- gadolinium-DTPA enhancement of experimental soft tissue carcinoma and hemorrhage in magnetic resonance imaging. Pettersson H; Ackerman N; Kaude J; et al. *Acta Radiol* 1987; 28: 75
- high signal intensity soft tissue masses on T1 weighted pulsing sequences. Sundaram M; McGuire MH; Herbold DR; et al. *Skeletal Radiol* 1987; 16: 30
- hyaline cartilage—origin bone and soft-tissue neoplasms: MR appearance and histologic correlation. Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML. *Radiology* 1988; 167: 477
- infections of the musculoskeletal system: high-field-strength MR imaging. Beltran J; Noto AM; McGhee RB; Freedy RM; McCalla MS. *Radiology* 1987; 164: 449
- in vivo and in vitro demonstration of hemorrhage in soft tissue sarcoma. Sundaram M; Duffrin H; McGuire MH. *Magn Res Imag* 1988; 6: 57
- magnetic resonance evaluation of disease of the soft tissues in children. (ab). Cohen MD; DeRosa GP; Kleiman M; et al. *Radiology* 1987; 165: 591
- magnetic resonance imaging of local soft tissue inflammation using gadolinium-DTPA. Paajanen H; Brasch KC; Schmiedt U; et al. *Acta Radiol* 1987; 28: 79
- magnetic resonance imaging of soft tissue masses: an evaluation of fifty-three histologically proven tumors. Sundaram M; McGuire MH; Herbold DR. *Magn Res Imag* 1988; 6: 237
- magnetic resonance imaging of the extremities. Rosenthal DJ; Scott JA; Brady TJ. *Cardiovasc Intervent Radiol* 1986; 8: 377
- magnetic resonance imaging versus computed tomography in the evaluation of soft tissue tumors of the extremities. (ab). Chang AE; Matory YL; Dwyer AJ; et al. *Radiology* 1987; 165: 590
- MRI and CT evaluation of primary bone and soft-tissue tumors. Aisen AM; Martel W; Braunstein EM; et al. *AJR* 1986; 146: 749
- MR imaging of soft-tissue hemangiomas: correlation with pathologic findings. Cohen EK; Kressel HY; Perosio T; et al. *AJR* 1988; 150: 1079
- M.R.I. of the soft tissues—case reports. Robertson A. *Australas Radiol* 1987; 31: 315
- primary musculoskeletal tumors: examination with MR imaging compared with conventional modalities. Pettersson H; Gillespie T III; Hamlin DJ; Enneking WF; Springfield DS; Andrew ER; Spanier S; Slone R. *Radiology* 1987; 164: 237
- soft-tissue masses: histologic basis for decreased signal (short T2) on T2-weighted MR images. Sundaram M; McGuire MH; Schajowicz F. *AJR* 1987; 148: 1247
- soft-tissue masses of the locomotor system: comparison of MR imaging with CT. Petasnick JP; Turner DA; Charters JR; Gitelis S; Zacharias CE. *Radiology* 1986; 160: 125
- soft-tissue tumors: MR imaging. Totty WG; Murphy WA; Lee JKT. *Radiology* 1986; 160: 135
- Soft tissues, neoplasms**
- case report 354. Lagier R. *Skeletal Radiol* 1986; 15: 179
- case report 393. Perri G; Tripi D. *Skeletal Radiol* 1986; 15: 575
- case report 421. Lubbers PR; Chandra R; Markle BM; et al. *Skeletal Radiol* 1987; 16: 252
- case report 436. Greenapan A; Steiner G; Norman A; et al. *Skeletal Radiol* 1987; 16: 489
- case report 441. Abdelwahab IF; Lewis MM; Klein MJ. *Skeletal Radiol* 1987; 16: 573
- combined modality treatment of adult soft tissue sarcomas of the head and neck. McKenna WG; Barnes MM; Kinsella TJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1127
- computed tomography and ultrasonography of the hemophilic pseudotumor and their use in surgical planning. Hermann G; Yeh H-C; Gilbert MS. *Skeletal Radiol* 1986; 15: 123

Edinburgh experience of treating sarcomas of soft tissues and bone with neutron irradiation, Duncan W; Arnott SJ; Jack WJL, *Clin Radiol* 1986; 37: 317

elastofibroma: chest wall pseudotumor, Berthoty DP; Shulman HS; Miller HAB, *Radiology* 1986; 160: 341

gadolinium-DTPA enhancement of soft tissue tumors in magnetic resonance imaging—preliminary clinical experience in five patients, Pettersson H; Eliasson J; Egund N; et al, *Skeletal Radiol* 1988; 17: 319

growth rate of pulmonary metastases from soft tissue sarcoma, Rösner B; Pettersson H; Alvegard T, *Acta Oncol* 1987; 26: 189

high signal intensity soft tissue masses on T1 weighted pulsing sequences, Sundaram M; McGuire MH; Herbold DR; et al, *Skeletal Radiol* 1987; 16: 30

hyaline cartilage—origin bone and soft-tissue neoplasms: MR appearance and histologic correlation, Cohen EK; Kressel HY; Frank TS; Fallon M; Burk DL Jr; Dalinka MK; Schiebler ML, *Radiology* 1988; 167: 477

impact of improved local control on survival in patients with soft tissue sarcoma, Suit HD; Tepper JE, *Int J Radiat Oncol Biol Phys* 1986; 12: 699

interstitial ¹²⁵I implantation in the retreatment of retroperitoneal soft tissue sarcoma: report of a case, Kumar PP; Good RR, *Acta Oncol* 1986; 25: 37

in vivo and in vitro demonstration of hemorrhage in soft tissue sarcoma, Sundaram M; Duffrin H; McGuire MH, *Magn Res Imag* 1988; 6: 57

local control and survival in soft tissue sarcomas of the limbs, trunk walls and head and neck: study of 113 cases, Abbatucci JS; Boulter N; de Ranieri J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 579

magnetic resonance imaging of soft tissue masses: an evaluation of fifty-three histologically proven tumors, Sundaram M; McGuire MH; Herbold DR, *Magn Res Imag* 1988; 6: 237

magnetic resonance imaging versus computed tomography in the evaluation of soft tissue tumors of the extremities, (ab), Chang AE; Matory YL; Dwyer AJ; et al, *Radiology* 1987; 165: 590

mesenchymal chondrosarcoma of bone and soft tissue: review of 111 cases, (ab), Nakashima Y; Unni KK; Shives TC; et al, *Radiology* 1986; 161: 575

MRI and CT evaluation of primary bone and soft-tissue tumors, Aisen AM; Martel W; Braunstein EM; et al, *AJR* 1986; 146: 749

osteogenic sarcoma of bones and soft tissues in older persons: clinicopathologic analysis of 117 patients older than 60 years, (ab), Huvois AG, *Radiology* 1986; 160: 859

primary musculoskeletal tumors: examination with MR imaging compared with conventional modalities, Pettersson H; Gillespy T III; Hamlin DJ; Enneking WF; Springfield DS; Andrew ER; Spanier S; Slone R, *Radiology* 1987; 164: 237

radiation therapy for unresectable soft tissue sarcomas, Slater JD; McNeese MD; Peters LJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1729

soft-tissue masses: histologic basis for decreased signal (short T2) on T2-weighted MR images, Sundaram M; McGuire MH; Schajowicz F, *AJR* 1987; 148: 1247

soft-tissue masses of the locomotor system: comparison of MR imaging with CT, Petasnick JP; Turner DA; Charters JR; Gitelis S; Zacharias CE, *Radiology* 1986; 160: 125

soft tissue sarcoma in Kuwait: review of 114 patients, Ahmed MJ; Omar YT; Ali SM, *Clin Radiol* 1987; 38: 27

soft-tissue sarcoma: neutrons versus photons for post-operative irradiation, Glaholm J; Harmer C, *Br J Radiol* 1988; 61: 829

soft-tissue sarcomas of the extremities: comparison of MR and CT in determining the extent of disease, Demas BE; Heelan RT; Lane J; et al, *AJR* 1988; 150: 615

soft tissue sarcoma: two cases of solitary lung metastasis more than 15 years after diagnosis, Going JJ; Brewin TB; Crompton GK; et al, *Clin Radiol* 1986; 37: 579

soft-tissue tumors: MR imaging, Totty WG; Murphy WA; Lee JKT, *Radiology* 1986; 160: 135

technetium-99m MDP demonstration of neoplastic lesions involving bone and adjacent soft tissues, Mathews J; Slavin JD Jr; Spencer RP, *Clin Nucl Med* 1986; 11: 98

treatment of soft tissue sarcomas by preoperative irradiation and conservative surgical resection, Barkley HT Jr; Martin RG; Romsdahl MM; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 693

unusual solitary soft tissue metastases from renal cell carcinoma, Lipman JC; Loughlin KR; Richie JP; et al, *Urol Radiol* 1988; 10: 110

utility of 24 hour bone scan in evaluation of bone involvement by soft tissue sarcoma, Mekhmandarov S; Azaria M; Engelberg S; et al, *Clin Nucl Med* 1988; 13: 649

Soft tissues, radionuclide studies

atypical radionuclide scan appearance in cellulitis due to group A streptococcus, Fisher MC; Gaaney MA; Capitano MA, *Clin Nucl Med* 1988; 13: 359

bone and gallium scan findings in malignant fibrous histiocytoma: case report with radiographic and pathologic correlation, Mackey JK; Alexieva-Jackson B; Fetters DV; et al, *Clin Nucl Med* 1987; 12: 17

extensive soft tissue uptake of bone tracer in amyloidosis, Lee KJ; Southie AE; Morris JG; et al, *Clin Nucl Med* 1988; 13: 675

imaging studies of patients with malignant fibrous histiocytoma using C-11-alpha-aminoisobutyric acid (AIB), Schmall B; Conti PS; Bigler RE; et al, *Clin Nucl Med* 1987; 12: 22

osteomyelitis and soft-tissue infection: differential diagnosis with 24 hour/4 hour ratio of Tc-99m MDP uptake, Israel O; Gips S; Jerushalmi J; Frenkel A; Front D, *Radiology* 1987; 163: 725

scintigraphic appearance of extraosseous uptake of technetium-99m MDP following liposuction therapy, Schwegel DK; Lamki LM, *Clin Nucl Med* 1987; 12: 558

scintigraphy with gallium-67 citrate in staging of soft-tissue sarcomas of the extremity, (ab), Finn HA; Simon MA; Martin WB; et al, *Radiology* 1988; 166: 294

technetium-99m MDP demonstration of neoplastic lesions involving bone and adjacent soft tissues, Mathews J; Slavin JD Jr; Spencer RP, *Clin Nucl Med* 1986; 11: 98

technetium-99m Medronate uptake in subcutaneous soft-tissue nodules in a patient with renal failure and renal adenocarcinoma, MacMillan JC; Scott SJ; McHugh MI; et al, *Br J Radiol* 1986; 59: 613

utility of 24 hour bone scan in evaluation of bone involvement by soft tissue sarcoma, Mekhmandarov S; Azaria M; Engelberg S; et al, *Clin Nucl Med* 1988; 13: 649

visualization of soft tissue by technetium-99m MDP in polymyositis: case reports, Otsuka N; Fukunaga M; Ono S; et al, *Clin Nucl Med* 1988; 13: 291

Soft tissues, therapeutic radiology

failure patterns and survival in pediatric soft tissue sarcoma, Brizel DM; Weinstein H; Hunt M, *Int J Radiat Oncol Biol Phys* 1988; 15: 37

fast neutron therapy for soft tissue sarcoma, Pickering DG; Stewart JS; Rampling R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1489

impact of improved local control on survival in patients with soft tissue sarcoma, Suit HD; Tepper JE, *Int J Radiat Oncol Biol Phys* 1986; 12: 699

interstitial radiation therapy in the treatment of childhood soft-tissue sarcomas, Curran WJ Jr; Littman P; Raney RB, *Int J Radiat Oncol Biol Phys* 1988; 14: 169

local control and survival in soft tissue sarcomas of the limbs, trunk walls and head and neck: study of 113 cases, Abbatucci JS; Boulter N; de Ranieri J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 579

radiation therapy for unresectable soft tissue sarcomas, Slater JD; McNeese MD; Peters LJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 1729

treatment of soft tissue sarcomas by preoperative irradiation and conservative surgical resection, Barkley HT Jr; Martin RG; Romsdahl MM; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 693

Soft tissues, US studies

evaluation of the musculoskeletal system with sonography, Harcke HT; Grissom LE; Finkelstein MS, *AJR* 1988; 150: 1253

high resolution ultrasound characterization of soft tissue masses in children, Glasier CM; Seibert JJ; Williamson SL; et al, *Pediatr Radiol* 1987; 17: 233

ultrasound detection of soft tissue foreign bodies, Little CM; Parker MG; Callowich MC; et al, *Invest Radiol* 1986; 21: 275

ultrasound of soft tissue abnormalities of the extremities, Vincent LM, *Radiol Clin North Am* 1988; 26: 131

Sparganosis

cerebral sparganosis: CT characteristics, Chang KH; Cho SY; Chi JG; Kim WS; Han MC; Kim C-W; Myung H; Choi KS, *Radiology* 1987; 165: 505

Special reports

ancient Talmudic description of the cauda equina, Shapiro R, *Radiology* 1988; 169: 320

assessment of radiologic tests: control of bias and other design considerations, Begg CB; McNeil BJ, *Radiology* 1988; 167: 565

catalog of intravascular contrast media, Fischer HW, *Radiology* 1986; 159: 561

clinical trial of digital teleradiology in the practice of emergency room radiology, Kagesu NJ; Zulauf DRP; Ablow RC, *Radiology* 1987; 165: 551

critical analysis of radiologist-patient interaction, Morris KJ; Tarico VS; Smith WL; Altmaier EM; Franken EA Jr, *Radiology* 1987; 163: 565

determinants of acquisition of MR imaging units in an era of prospective payment, Steinberg EP; Stason WB; diMonda R; Schroeder SA, *Radiology* 1988; 168: 265

diagnostic radiology: usage and trends in the United States, 1964-1980, Mettler FA Jr, *Radiology* 1987; 162: 263

diagnostic radiology usage in ambulatory and hospital care, Radecki SE, *Radiology* 1988; 167: 857

ectopic pregnancy: malpractice paradigm, James AE Jr; Fleischer AC; Sacks GA; Greeson T, *Radiology* 1986; 160: 411

fourth Distinguished Scientist, Department of Radiologic Pathology, Armed Forces Institute of Pathology, Moser RP Jr, *Radiology* 1988; 168: 869

influence of CT on radiologic utilization in The Netherlands, Binkhuysen FHB; Puylaert CBAJ, *Radiology* 1988; 169: 827

Joint Review Committee on Education in Radiologic Technology, May B, *Radiology* 1988; 167: 570

medical malpractice in diagnostic radiology: claims, compensation, and patient injury, Hamer MM; Morlock F; Foley HT; Ros PR, *Radiology* 1987; 164: 263

Medicare amendments change teaching hospital reimbursement, Linton OW, *Radiology* 1986; 161: 567

radiology and the health policy agenda for the American people, MacEwan DW, *Radiology* 1987; 163: 559

radiology malpractice lawsuits: California jury verdicts, Spring DB; Tennenhouse DJ, *Radiology* 1986; 159: 811

Radiology Outreach Foundation, Gooding CA, *Radiology* 1988; 169: 279

radiology reporting: attitudes of referring physicians, Clinger NJ; Hunter TB; Hillman BJ, *Radiology* 1988; 169: 825

radiology reports: assessment of a 5,000-word speech recognizer, Robbins AH; Vincent ME; Shaffer K; Maletta R; Srinivasan MK, *Radiology* 1988; 167: 853

radiology residency training programs: current status, Dunnick NR, *Radiology* 1988; 169: 549

- results of the RSNA Today subscriber survey, Curto TL, *Radiology* 1988; 168: 870
- RSNA Research and Education Fund Scholars and Seed Grant Recipients, *Radiology* 1987; 164: 583
- Society of Cardiovascular and Interventional Radiology: credentials criteria for peripheral, renal, and visceral percutaneous transluminal angioplasty, Waltman AC; Katzen BT; Ring EJ; Martin EC; Sos TA; Tegtmeyer CJ, *Radiology* 1988; 167: 452
- speech-controlled generation of radiology reports, Robbins AH; Horowitz DM; Srinivasan NK; Vincent ME; Shaffer K; Sadowsky NL; Sonnenfeld M, *Radiology* 1987; 164: 569
- statement from the 1987 Como meeting of the International Commission on Radiological Protection, International Commission on Radiological Protection, *Radiology* 1988; 167: 263
- usage of diagnostic imaging procedures: nationwide hospital study, Bunge RE; Herman CL, *Radiology* 1987; 163: 569
- ### Speech
- application of MRI to the analysis of speech production, Baer T; Gore JC; Boyce S; et al, *Magn Res Imag* 1987; 5: 1
- effects of irradiation on laryngeal voice of totally laryngectomized patients, Izdebski K; Fontanesi J; Ross JC; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1281
- esophageal speech: double-contrast evaluation of the pharyngo-esophageal segment, Timmons JH; Howard WH; Wright HR Jr, *Radiology* 1986; 160: 852
- radiographic evaluation of Blom-Singer prosthesis, Vincent ME; Robbins AH, *Radiology* 1987; 162: 289
- ### Sphenoid bone
- radiology of the pterygoid canal: normal and pathological findings, Pandolfo I; Gaeta M; Blandino A; et al, *AJNR* 1987; 8: 479
- ### Sphenoid bone, neoplasms
- case report 358, Crisi G; Calo M; Mauri C, *Skeletal Radiol* 1986; 15: 247
- giant cell tumor of the sphenoid bone mimicking a pituitary tumor, Wilbur AC; Choi KH; Tan WS; et al, *AJNR* 1986; 7: 361
- ### Spina bifida
- abnormalities of fetal cranial contour in sonographic detection of spina bifida: evaluation of the "lemon" sign, Nyberg DA; Mack LA; Hirsch J; Mahony BS, *Radiology* 1988; 167: 387
- brain malformation associated with neural tube defects: report of three cases of partial agenesis of the corpus callosum and myelomeningocele, Ruggiero R; Mongini T; Colangelo M; et al, *J Neuroradiol* 1987; 14: 287
- "bullet"-shaped head in fetuses with spina bifida: a pointer to the spinal lesion, Chambers SE; Muir BB; Bell JE, *JCU* 1988; 16: 25
- conventional spinal radiography as a supplement to the neurologic assessment in myelomeningocele, Samuelsson L; Eklöf O, *Acta Radiol* 1987; 28: 615
- detection of open spina bifida by the lemon sign: pathologic correlation, Gabbe SG; Mintz MC; Mennuti MT; et al, *JCU* 1988; 16: 399
- evolving urologic evaluation of the lower urinary tract in neonates with myelomeningocele, Fernbach SK; Conway JJ, *Urol Radiol* 1987; 9: 141
- fetal head shape in spina bifida in the second trimester, Furness ME; Barbary JE; Verco PW, *JCU* 1987; 15: 451
- importance of karyotype determination in a fetus with ventriculomegaly and spina bifida discovered during the third trimester, Chervenak FA; Goldberg JD; Chiu T-H; et al, *J Ultrasound Med* 1986; 5: 405
- "lemon" sign: a clinical perspective, Filly RA, *Radiology* 1988; 167: 573
- lipomeningocele, Vade A; Kennard D, *AJNR* 1987; 8: 375
- lipomyelomeningocele: a neuroradiological approach, Cecchini A; Locatelli D; Bonfanti N; et al, *J Neuroradiol* 1988; 15: 49
- magnetic resonance imaging in occult spinal dysraphism, Roos RAC; Vielvoye GJ; Voormolen JHC; et al, *Pediatr Radiol* 1986; 16: 412
- magnetic resonance imaging of spinal dysraphism, Brunberg JA; Latchaw RE; Kanal E; et al, *Radiol Clin North Am* 1988; 26: 181
- MR imaging of anterior sacral meningocele, Martin B; Boyer de Latour F, *JCAT* 1988; 12: 166
- MR imaging of spinal dysraphism, Altman NR; Altman DH, *AJNR* 1987; 8: 533
- natural history of repaired myelomeningocele, Nelson MD Jr; Bracchi M; Naidich TP; McLone DG, *Radiographics* 1988; 8: 695
- normal renal growth in children with myelodysplasia, Gross GW; Thornburg AJ; Bellinger MF, *AJR* 1986; 146: 615
- prevalence and patterns of spina bifida occulta in 2707 normal adults, Fidas A; MacDonald HL; Elton RA; et al, *Clin Radiol* 1987; 38: 537
- progressive spasticity and scoliosis in children with myelomeningocele: radiological investigation and surgical treatment, (ab), Park TS; Cail WS; Maggio WM; et al, *Radiology* 1986; 158: 285
- prominent choroid plexus in meningocele: sonographic findings, Netanyahu I; Grant EG, *AJNR* 1986; 7: 317
- round anterior margin of lumbar vertebral bodies in children with a meningocele, Kramer PPG; Scheers IM, *Pediatr Radiol* 1987; 17: 263
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis PC; Hoffman JC Jr; Ball TI; Wylie JB; Braun IF; Fry SM; Drvaric DM, *Radiology* 1988; 166: 679
- technetium-99m glucosulfate imaging: meningocele, Sty JR; Wells RG; Kreck J; et al, *Clin Nucl Med* 1988; 13: 57
- ultrasound screening for spina bifida: cranial and cerebellar signs in a high-risk population, (ab), Campbell J; Gilbert WM; Nicolaides KH; et al, *Radiology* 1988; 166: 295
- ### Spinal canal
- lumbar lateral canal entrapment: clinical, radiologic and computed tomographic findings, Stockley I; Getty CJM; Dixon AK; et al, *Clin Radiol* 1988; 39: 144
- percutaneous balloon myelotomy for treatment of hydromyelia: technical note, McConnell JR; Mawr JR; Kendall JD, *AJNR* 1988; 9: 875
- spontaneous resolution of spinal canal deformity after burst-dispersion fracture, Chakera TMH; Bedbrook G; Bradley CM, *AJNR* 1988; 9: 779
- traumatic pneumorrhachis, Newbold RG; Wiener MD; Volger JB III, *AJR* 1987; 148: 615
- ### Spinal canal, CT
- calicified hemangioma of the spinal canal: unusual CT and MR presentation, Salamon O; Freilich MD, *AJNR* 1988; 9: 799
- echordosis physaliphora arising from the cervical vertebra, the CT and MRI appearance, Kurokawa H; Miura S; Goto T, *Neuroradiol* 1988; 30: 81
- epidural lipomatosis, Quint DJ; Boulos RS; Sanders WP; Mehta BA; Patel SC; Tiel RL, *Radiology* 1988; 169: 485
- lumbar lateral canal entrapment: clinical, radiologic and computed tomographic findings, Stockley I; Getty CJM; Dixon AK; et al, *Clin Radiol* 1988; 39: 144
- pure thoracolumbar facet dislocation: clinical features and CT appearance, Gellad FE; Levine AM; Joslyn JN; Edwards CC; Bosse M, *Radiology* 1986; 161: 505
- quantitative analysis of the cervical spinal canal by computed tomography, Stanley JH; Schabel SI; Frey GD; et al, *Neuroradiol* 1986; 28: 139
- stenotic spinal canal models derived from computed tomography data: preliminary investigation, Resnick D; Pate D; Sartoris DJ; et al, *CT* 1987; 11: 51
- ### Spinal canal, cysts
- intradural, extramedullary high cervical neuroenteric cyst, Rodacki MA; Teixeira WR; Boer VHT; et al, *Neuroradiol* 1987; 29: 588
- ### Spinal canal, MR studies
- calicified hemangioma of the spinal canal: unusual CT and MR presentation, Salamon O; Freilich MD, *AJNR* 1988; 9: 799
- echordosis physaliphora arising from the cervical vertebra, the CT and MRI appearance, Kurokawa H; Miura S; Goto T, *Neuroradiol* 1988; 30: 81
- epidural lipomatosis, Quint DJ; Boulos RS; Sanders WP; Mehta BA; Patel SC; Tiel RL, *Radiology* 1988; 169: 485
- MR appearance of CSF pulsations in the spinal canal, Sherman JL; Citrin CM; Gangarosa RE; et al, *AJNR* 1986; 7: 879
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis PC; Hoffman JC Jr; Ball TI; Wylie JB; Braun IF; Fry SM; Drvaric DM, *Radiology* 1988; 166: 679
- use of cerebrospinal fluid gating to improve T2-weighted images, part I: the spinal cord, Enzmann DR; Rubin JB; Wright A, *Radiology* 1987; 162: 763
- ### Spinal canal, neoplasms
- echordosis physaliphora arising from the cervical vertebra, the CT and MRI appearance, Kurokawa H; Miura S; Goto T, *Neuroradiol* 1988; 30: 81
- epidermoid tumor: unusual cause of ossification within the spinal canal, Willinsky RA; Tator CH; Lewis AJ; et al, *J Canad Assoc Radiol* 1986; 37: 56
- imaging of tumors of the spinal canal and cord, Zimmerman RA; Bilaniuk LT, *Radiol Clin North Am* 1988; 26: 965
- secondary ependymoma presenting as a presacral mass, Kolawole TM; Qureshi WA; Patel PJ; et al, *CT* 1988; 12: 108
- syngomyelia associated with intradural extramedullary masses of the spinal canal, Quencer RM; El Gammal T; Cohen G, *AJNR* 1986; 7: 143
- ### Spinal canal, stenosis
- autosomal dominant osteosclerosis associated with familial spinal canal stenosis, (ab), Yasuda Y; Dokoh S; Seko K; et al, *Radiology* 1987; 163: 293
- cervical spinal stenosis: determination with vertebral body ratio method, Pavlov H; Torg JS; Robie B; Jahre C, *Radiology* 1987; 164: 771
- cervical spinal stenosis: determination with vertebral body ratio method, Chappell BW, *Radiology* 1988; 167: 282
- cervical spinal stenosis: determination with vertebral body ratio method: reply, Pavlov H, *Radiology* 1988; 167: 282
- lumbar spinal stenosis, Pleatman CW; Lukin RR, *Semin Roentgenol* 1988; 23: 106
- stenotic spinal canal models derived from computed tomography data: preliminary investigation, Resnick D; Pate D; Sartoris DJ; et al, *CT* 1987; 11: 51
- thoracic spinal canal stenosis, Jaspán T; Holland IM; Punt JA, *Neuroradiol* 1987; 29: 217
- thoracic spinal stenosis: experience with seven cases, (ab), Yamamoto I; Matsumae M; Ikeda A; et al, *Radiology* 1988; 169: 294
- ### Spinal canal, US studies
- pediatric spinal sonography. part I: anatomy and examination technique, Ziegler MM; Dörr U, *Pediatr Radiol* 1988; 18: 9
- ### Spinal cord
- See also Arachnoid; Meninges
- ancient Talmudic description of the cauda equina, Shapiro R, *Radiology* 1988; 169: 320
- case of the season, Byrne JV, *Semin Roentgenol* 1986; 21: 101
- case report 477, Rubenstein DJ; Ghelman B, *Skeletal Radiol* 1988; 17: 212
- myelographic study of the spinal cord ascent during fetal development, Hawass ND; El-Badawi MG; Fatani JA; et al, *AJNR* 1987; 8: 691
- surgical neuroangiography of the spine and spinal cord, Choi IS; Berenstein A, *Radiol Clin North Am* 1988; 26: 1131
- ### Spinal cord, abnormalities
- Arnold-Chiari II malformation: intraoperative real-time US, DiPietro MA; Venes JL; Rubin JM, *Radiology* 1987; 164: 799
- cauda equina syndrome: a rare extra-articular manifestation of ankylosing spondylitis—a case report, Travis RC; Byrne P, *Australas Radiol* 1987; 31: 395

Spinal cord, abnormalities

- cranio-cervical growth collision: another explanation of the Arnold-Chiari malformation and of basilar impression, Roth M, *Neuroradiol* 1986; 28: 187
- CT myelographic findings in degenerative disorders of the cervical spine: clinical significance, Penning L, Wilmink JT, van Woerden HH, et al, *AJNR* 1986; 7: 119
- evaluation of MR in spinal dysraphism with lipoma: comparison with metrizamide computed tomography, Wippold JF, Citrin C, Barkovich AJ, et al, *Pediatr Radiol* 1987; 17: 184
- fixed spinal cord: diagnosis with MR imaging, Levy LM, Di Chiro G, McCullough DC, Dwyer AJ, Johnson DL, Yang SL, *Radiology* 1988; 169: 773
- magnetic resonance imaging in infants and children with spinal dysraphism, Barnes PD, Lester PD, Yamanashi WS, et al, *AJNR* 1986; 7: 465
- MR of spinal cord congenital malformations: Chiari malformations and dysraphism, Doyon D, Sigal R, Poylecot G, et al, *J Neuroradiol* 1987; 14: 185
- pseudohypertrophy of the calf following S1 radiculopathy, de Visser M, Verbeeten B Jr, Lypkens KCH, *Neuroradiol* 1986; 28: 279
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis JC, Hoffman JC Jr, Ball TJ, Wyly JB, Braun IF, Fry SM, Drvaric DM, *Radiology* 1988; 166: 679
- spinal arteriovenous malformation: MR imaging, Minami S, Sagoh T, Nishimura K, Yamashita K, Fujisawa I, Noma S, Itoh K, Togashi K, Oda Y, Matsumoto M, Yamagata S, Kikuchi H, Nakano Y, Konishi J, *Radiology* 1988; 169: 109
- Spinal cord, blood supply**
- radiculomeningeal vascular malformations of the spine: MR imaging, Masaryk TJ, Ross JS, Modic MT, Ruff RL, Selman WR, Ratcheson RA, *Radiology* 1987; 164: 845
- spinal Wada test, Doppman JL, Gorton ME, Oldfield EH, *Radiology* 1986; 161: 319
- Spinal cord, compression**
- asymptomatic degenerative disk disease and spondylosis of the cervical spine: MR imaging, Teresi LM, Lufkin RB, Reicher MA, Moffitt BJ, Vinuela FV, Wilson GM, Bentson JR, Hanafey WN, *Radiology* 1987; 164: 83
- case report 384, Merlini L, Albisinni U, Savini R, *Skeletal Radiol* 1986; 15: 488
- computed tomography in spinal hemangioma with cord compression: report of two cases, Schnyder P, Fankhauser H, Mansouri B, *Skeletal Radiol* 1986; 15: 372
- epidural cord compression in association with genitourinary neoplasms, (ab), Liskow A, Chang CH, DeSanctis P, et al, *Radiology* 1987; 162: 888
- epidural lipomatosis, Quint DJ, Boulos RS, Sanders WP, Mehta BA, Patel SC, Tiel RL, *Radiology* 1988; 169: 485
- epidural spinal cord compression from metastatic tumor, Zevallos M, Chan PYM, Munoz L, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 875
- four unusual cases of spinal cord compression, Downey PR, Brophy BP, Sage MR, *Australas Radiol* 1987; 31: 136
- hemorrhage and edema in acute spinal cord compression: demonstration by MR imaging, Hackney DB, Asato R, Joseph PM, Carvlin HJ, McGrath JT, Grossman RL, Kassab EA, DeSimone D, *Radiology* 1986; 161: 387
- Hodgkin's disease of spine: computed tomography and magnetic resonance imaging, Mikhael MA, Paige ML, *CT* 1987; 11: 174
- increased MR signal intensity secondary to chronic cervical cord compression, Takahashi M, Sakamoto Y, Miyawaki M, et al, *Neuroradiol* 1987; 29: 550
- malignant extradural spinal tumors: MR imaging with Cd-DTPA, Sze G, Krol G, Zimmerman RD, Deck MDF, *Radiology* 1988; 167: 217
- osteoporosis with vertebral compression fractures, retropulsed fragments, and neurologic compromise, Kaplan PA, Orton DF, Asleson RJ, *Radiology* 1987; 165: 533
- pediatric patients with achondroplasia: CT evaluation of the craniocervical junction, Wang H, Rosenbaum AE, Reid CS, Zinreich SJ, Pyeritz RE, *Radiology* 1987; 164: 515
- percutaneous insertion of the spinal end of a cysto-peritoneal shunt as definitive treatment to relieve cord compression from a spinal arachnoid cyst, Stevens JM, Kendall BE, Davis C, et al, *Neuroradiol* 1987; 29: 190
- pseudopseudohypoparathyroidism with spinal cord compression, Van Dop C, Wang H, Mulaikal RM, et al, *Pediatr Radiol* 1988; 18: 429
- sensitivity and specificity of MRI in detecting malignant spinal cord compression and in distinguishing malignant from benign compression fractures of vertebrae, Li KC, Poon PY, *Magn Res Imag* 1988; 6: 547
- some dynamic factors in compressive deformity of the cervical spinal cord, Stevens JM, O'Driscoll DM, Yu YL, et al, *Neuroradiol* 1987; 29: 136
- spinal cord compression by epidural lipoma: 'sis in juvenile rheumatoid arthritis, (ab), Arroyo IL, Barron KS, Brewer EJ Jr, *Radiology* 1988; 169: 888
- spinal-cord compression caused by vertebral haemangioma relieved by percutaneous catheter ablation: 15 years later, Hekster EM, Endtz LJ, *Neuroradiol* 1987; 29: 101
- spinal cord compression induced by steroid therapy: CT findings, Jungreis CA, Cohen WA, *JCAT* 1987; 11: 245
- steroid-induced spinal epidural lipomatosis: CT survey, Buthiau D, Piette JC, Ducerveau MN, et al, *JCAT* 1988; 12: 501
- thoracic disk herniation: MR imaging, Ross JS, Perez-Reyes N, Masaryk TJ, Bohlman H, Modic MT, *Radiology* 1987; 165: 511
- thoracic disk herniation: MR imaging, Williams MP, Cherryman GR, *Radiology* 1988; 167: 874
- thoracic disk herniation: MR imaging: reply, Ross JS, *Radiology* 1988; 167: 875
- vertebral hemangiomas: radiologic evaluation, Laredo J-D, Reizine D, Bard M, Merland J-J, *Radiology* 1986; 161: 183
- Spinal cord, CT**
- cavernous hemangiomas of the spinal cord: MR imaging, Fontaine S, Melanson D, Cosgrove R, Bertrand G, *Radiology* 1988; 166: 839
- cervical radiculopathy: prospective evaluation with surface coil MR imaging, CT with metrizamide, and metrizamide myelography, Modic MT, Masaryk TJ, Mulopulos GP, Bundschuh CV, Han JS, Bohlman H, *Radiology* 1986; 161: 753
- comparison of MR and CT myelography in imaging the cervical and thoracic spine, Karnaze MG, Gado MH, Sartor KJ, et al, *AJNR* 1987; 8: 983
- computed tomography in cervical spondylolytic myelopathy and radiculopathy: visualisation of structures, myelographic comparison, cord measurements and clinical utility, Yu YL, du Boulay GH, Stevens JM, et al, *Neuroradiol* 1986; 28: 221
- computed tomography of children and adolescents with suspected spinal stenosis, Hasso AN, McKinney JM, Killeen J, et al, *JCAT* 1987; 11: 609
- CT findings in spinocerebellar degeneration, Ramos A, Quintana F, Diez C, et al, *AJNR* 1987; 8: 635
- C. T. metrizamide myelography in syringohydromyelia, Rao VRK, Mandalam R, Souciera R, et al, *J Neuroradiol* 1987; 14: 82
- CT myelography in spinal cysticercosis, Zee C-S, Segall HD, Ahmadi J, et al, *JCAT* 1986; 10: 195
- CT myelography of subarachnoid leukemia infiltration of the lumbar thecal sac and lumbar nerve roots, McAllister MD, O'Leary DH, *AJNR* 1987; 8: 568
- CT myelography with intramedullary enhancement in cervical spondylosis, (ab), Iwasaki Y, Abe H, Izu T, et al, *Radiology* 1986; 160: 861
- diagnosis of sacral perineural cysts by computed tomography, Tabas JH, Deeb ZL, *CT* 1986; 10: 255
- early sequelae of gunshot wounds to the spine: radiologic diagnosis, Gellad FE, Paul KS, Geisler FH, *Radiology* 1988; 167: 523
- evaluation of MR in spinal dysraphism with lipoma: comparison with metrizamide computed tomography, Wippold JF, Citrin C, Barkovich AJ, et al, *Pediatr Radiol* 1987; 17: 184
- hematogenous spinal leptomeningeal metastasis: unique CT enhancement pattern, Hoffman SM, Baker TW, El Gammal T, et al, *Pediatr Radiol* 1987; 17: 147
- MRI and CT of ankylosing spondylitis with vertebral scalloping, Abelló R, Rovira M, Sanz MP, et al, *Neuroradiol* 1988; 30: 272
- MRI versus conventional radiologic examinations in the evaluation of the craniovertebral and cervicomedullary junction, Smoker WRK, Keyes WD, Dunn VD, Menezes AH, *Radiographics* 1986; 6: 953
- natural history of repaired myelomeningocele, Nelson MD Jr, Bracchi M, Naidich J, McLone DG, *Radiographics* 1988; 8: 695
- parenchymal CT myelogram: in vivo imaging of the gray matter of the spinal cord, Jinkins JR, Bashir R, Al-Kawi MZ, et al, *AJNR* 1987; 8: 979
- post metrizamide CT in the diagnosis of syringomyelia, Foulner D, Khangure MS, Chakera TMH, *Australas Radiol* 1987; 31: 246
- spinal cord compression induced by steroid therapy: CT findings, Jungreis CA, Cohen WA, *JCAT* 1987; 11: 245
- steroid-induced spinal epidural lipomatosis: CT survey, Buthiau D, Piette JC, Ducerveau MN, et al, *JCAT* 1988; 12: 501
- syringomyelia: myelography, computed tomography, and magnetic resonance imaging, Deeb ZL, Daffner RH, Rothfus WE, et al, *CT* 1988; 12: 1
- Spinal cord, cysts**
- CSF pulsations within nonneoplastic spinal cord cysts, Enzmann DR, O'Donohue J, Rubin JB, et al, *AJNR* 1987; 8: 517
- CT myelography in spinal cysticercosis, Zee C-S, Segall HD, Ahmadi J, et al, *JCAT* 1986; 10: 195
- diagnosis of sacral perineural cysts by computed tomography, Tabas JH, Deeb ZL, *CT* 1986; 10: 255
- differentiation of intramedullary neoplasms and cysts by MR, Williams AL, Haughton VM, Pojuna KW, et al, *AJNR* 1987; 8: 527
- intramedullary spinal cord tumors: MR imaging, with emphasis on associated cysts, Goy AMC, Pinto RS, Raghavendra BN, Epstein FJ, Kricheff II, *Radiology* 1986; 161: 381
- MR imaging with gadolinium-DTPA in the differentiation of tumor, syrinx, and cyst of the spinal cord, Slasky BS, Bydder GM, Niendorf HP, et al, *JCAT* 1987; 11: 845
- percutaneous insertion of the spinal end of a cysto-peritoneal shunt as definitive treatment to relieve cord compression from a spinal arachnoid cyst, Stevens JM, Kendall BE, Davis C, et al, *Neuroradiol* 1987; 29: 190
- radiology of sacral cysts, Willinsky RA, Grosman H, Cooper PW, et al, *J Canad Assoc Radiol* 1988; 39: 21
- syrinx-like artifacts on MR images of the spinal cord, Bronskill MJ, McVeigh ER, Kucharczyk W, Henkelman RM, *Radiology* 1988; 166: 485
- Spinal cord, diseases**
- cervical myelopathy: comparison of magnetic resonance and myelography, Masaryk TJ, Modic MT, Geisinger MA, et al, *JCAT* 1986; 10: 184
- cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part II. spinal cord disease, Enzmann DR, Rubin JB, *Radiology* 1988; 166: 473
- computed tomography in cervical spondylolytic myelopathy and radiculopathy: visualisation of structures, myelographic comparison, cord measurements and clinical utility, Yu YL, du Boulay GH, Stevens JM, et al, *Neuroradiol* 1986; 28: 221
- cortical motor-sensory hypometabolism in amyotrophic lateral sclerosis: a PET study, Haizawa J, Brooks RA, Dalakas MC, et al, *JCAT* 1988; 12: 630

- CT myelography and MR imaging of acute transverse myelitis, Merine D; Wang H; Kumar AJ; et al, JCAT 1987; 11: 606
- CT myelography of cauda equina actinomycosis, Osborn RE; Mojtahedi S, JCAT 1987; 11: 361
- epidural lipomatosis, Quint DJ; Boulos RS; Sanders WP; Mehta BA; Patel SC; Tiel RL, Radiology 1988; 169: 485
- MR demonstration of spinal cord sarcoidosis: report of a case, Kelly RB; Mahoney PD; Cawley KM, AJNR 1988; 9: 197
- MR imaging of the spine, Houghton VM, Radiology 1988; 166: 297
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, Radiology 1988; 166: 553
- spinal cord artifacts from truncation errors during MR imaging, Levy LM; Di Chiro G; Brooks RA; Dwyer AJ; Wener L; Frank J, Radiology 1988; 166: 479
- spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, Radiology 1988; 169: 765
- spinal leptomeningeal sarcoidosis, Huang H; Haq N, Neuroradiol 1987; 29: 100
- Spinal cord, effects of irradiation on**
- analysis of the histopathology of radiation myelopathy, Schultheiss TE; Stephens LC; Maor MH, Int J Radiat Oncol Biol Phys 1988; 14: 27
- influence of field size on the late tolerance of the rat spinal cord to single doses of x rays, Hopewell JW; Morris AD; Dixon-Brown A, Br J Radiol 1987; 60: 1099
- spinal cord dose reduction using an anterior 13 MeV electron field situated between a split anterior ⁶⁰Co supraclavicular field, Mills MD; Fuller LM; Zagars GK; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1571
- survival in radiation myelopathy, Schultheiss TE; Stephens LC; Peters LJ, Int J Radiat Oncol Biol Phys 1986; 12: 1765
- Spinal cord, hemorrhage**
- acute spinal cord injury: MR imaging at 1.5 T, Kulkarni MV; McArdle CB; Kopanicky D; Miner M; Cotler HB; Lee KF; Harris JH, Radiology 1987; 164: 837
- cavernous hemangiomas of the spinal cord: MR imaging, Fontaine S; Melanson D; Cosgrove R; Bertrand G, Radiology 1988; 166: 839
- chronic spinal subdural hematomas: report of two cases, (ab), Khosla VK; Kak VK; Mathuriya SN, Radiology 1986; 161: 287
- hemorrhage and edema in acute spinal cord compression: demonstration by MR imaging, Hackney DB; Asato R; Joseph PM; Carlini MJ; McGrath JT; Grossman RI; Kassab EA; DeSimone D, Radiology 1986; 161: 387
- MR imaging in the diagnosis of spontaneous spinal epidural hematomas, Rothfus WE; Chedid MK; Deeb ZL; et al, JCAT 1987; 11: 851
- ultrasound diagnosis of neonatal spinal epidural hemorrhage, Leadman M; Seigel S; Hollenberg R; et al, JCU 1988; 16: 440
- Spinal cord, infection**
- spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, Radiology 1988; 169: 765
- Spinal cord, injuries**
- 1.5 tesla magnetic resonance imaging of acute spinal trauma, Kulkarni MV; Bondurant FJ; Rose SL; Narayana PA, Radiographics 1988; 8: 1059
- acute cervical spine trauma: evaluation with 1.5-T MR imaging, Mirvis SE; Geisler FH; Jelinek JJ; Joslyn JN; Gellad F, Radiology 1988; 166: 807
- acute spinal cord injury: MR imaging at 1.5 T, Kulkarni MV; McArdle CB; Kopanicky D; Miner M; Cotler HB; Lee KF; Harris JH, Radiology 1987; 164: 837
- cathester-induced hyperreflexia in spinal cord injury patients: diagnosis by sonographic voiding cystourethrography, Perkash I; Friedland GW, Radiology 1986; 159: 453
- cervical spinal cord injuries in patients with cervical spondylosis, Regenbogen VS; Rogers LF; Atlas SW; et al, AJR 1986; 146: 277
- comparison of real-time ultrasonography with intravenous urography in the follow-up of patients with spinal cord injury, Morcos SK; Thomas DG, Clin Radiol 1988; 39: 49
- early sequelae of gunshot wounds to the spine: radiologic diagnosis, Gellad FE; Paul KS; Geisler FH, Radiology 1988; 167: 523
- emergency magnetic resonance examination of patients with spinal cord symptoms, Larson E-M; Hollis S; Cronqvist S, Acta Radiol 1988; 29: 69
- hemorrhage and edema in acute spinal cord compression: demonstration by MR imaging, Hackney DB; Asato R; Joseph PM; Carlini MJ; McGrath JT; Grossman RI; Kassab EA; DeSimone D, Radiology 1986; 161: 387
- imaging of adult cervical spine trauma, Berquist TH, Radiographics 1988; 8: 667
- magnetic resonance imaging of acute spinal cord injury: report of three cases, Kadoya S; Nakamura T; Kobayashi S; et al, Neuroradiol 1987; 29: 252
- magnetic resonance imaging of the chronically injured cervical spinal cord, Quencer RM; Sheldon JJ; Post MJD; et al, AJNR 1986; 7: 457
- MR imaging of acute spinal cord trauma, Chakres DW; Flickinger F; Bresnahan JC; et al, AJNR 1987; 8: 5
- MR imaging of the acutely injured patient with cervical traction, McArdle CB; Wright JW; Prevost WJ; Dornfest DJ; Amparo EG, Radiology 1986; 159: 273
- radiologic evaluation of spinal cord fissures, Post MJD; Quencer RM; Green BA; et al, AJNR 1986; 7: 329
- regional lung perfusion and ventilation with radioisotopes in cervical cord-injured patients, Hiraizumi Y; Fujimaki E; Hishida T; et al, Clin Nucl Med 1986; 11: 352
- sonographic evaluation of spinal cord birth trauma with pathologic correlation, Babyn PS; Chuang SH; Daneman A; et al, AJNR 1988; 9: 765
- spinal cord injury caused by a lateral C1-2 puncture for cervical myelography, Müller-Vahl H; Vogelsang H, Eur J Radiol 1986; 6: 160
- transdural herniation of the cervical spinal cord as a complication of a broken fracture-fixation wire, Dunn V; Smoker WRK; Menezes AH, AJNR 1987; 8: 724
- ultrasonographic detection of false passages arising from the posterior urethra in spinal cord injury patients, (ab), Perkash I; Friedland GW, Radiology 1987; 165: 589
- ultrasound diagnosis of neonatal spinal epidural hemorrhage, Leadman M; Seigel S; Hollenberg R; et al, JCU 1988; 16: 440
- Spinal cord, MR studies**
- 1.5 tesla magnetic resonance imaging of acute spinal trauma, Kulkarni MV; Bondurant FJ; Rose SL; Narayana PA, Radiographics 1988; 8: 1059
- acute cervical spine trauma: evaluation with 1.5-T MR imaging, Mirvis SE; Geisler FH; Jelinek JJ; Joslyn JN; Gellad F, Radiology 1988; 166: 807
- acute spinal cord injury: MR imaging at 1.5 T, Kulkarni MV; McArdle CB; Kopanicky D; Miner M; Cotler HB; Lee KF; Harris JH, Radiology 1987; 164: 837
- ambiguities in MR imaging of tumoral cysts in the spinal cord, Rubin JM; Aisen AM; DiPietro MA, JCAT 1986; 10: 395
- appearance of Pantopaque on MR images, Mamourian AC; Briggs RW, Radiology 1986; 158: 457
- applications of magnetic resonance imaging in diseases of the pediatric central nervous system, Zimmermann B; Bilaniuk LT, Magn Res Imag 1986; 4: 11
- behavior of Pantopaque on MR: in vivo and in vitro analyses, Braun IF; Malko JA; Davis PC; et al, AJNR 1986; 7: 997
- cavernous hemangiomas of the spinal cord: MR imaging, Fontaine S; Melanson D; Cosgrove R; Bertrand G, Radiology 1988; 166: 839
- cerebrospinal fluid-iodophendylate contrast on gradient-echo MR images, Jack CR Jr; Gehring DG; Ehman RL; Feimlee JP, Radiology 1988; 169: 561
- cervical meningeal histiocytosis demonstrated by magnetic resonance imaging, Drolshagen LF; Kessler R; Partain CL, Pediatr Radiol 1987; 17: 63
- cervical myelopathy: comparison of magnetic resonance and myelography, Masaryk TJ; Modic MT; Geisinger MA; et al, JCAT 1986; 10: 184
- cervical radiculopathy: prospective evaluation with surface coil MR imaging, CT with metrizamide, and metrizamide myelography, Modic MT; Masaryk TJ; Mulopulos GF; Bundschuh CV; Han JS; Bohlman H, Radiology 1986; 161: 753
- cervical spine involvement in rheumatoid arthritis: MR imaging, Aisen AM; Martel W; Ellis JH; McCune WJ, Radiology 1987; 165: 159
- cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part II. spinal cord disease, Enzmann DR; Rubin JB, Radiology 1988; 166: 473
- comparison of MR and CT myelography in imaging the cervical and thoracic spine, Karnaze MG; Gado MH; Sartor KJ; et al, AJNR 1987; 8: 983
- CT myelography and MR imaging of acute transverse myelitis, Merine D; Wang H; Kumar AJ; et al, JCAT 1987; 11: 606
- differentiation of intramedullary neoplasms and cysts by MR, Williams AL; Houghton VM; Fojunas KW; et al, AJNR 1987; 8: 527
- dynamic evaluation of cervical spinal cord by magnetic resonance imaging: improvement of indication for surgical treatment of chronic cervical myelopathy, Koschorek F; Jensen H-P; Terwey B, Magn Res Imag 1986; 4: 421
- emergency magnetic resonance examination of patients with spinal cord symptoms, Larson E-M; Hollis S; Cronqvist S, Acta Radiol 1988; 29: 69
- evaluation of MR in spinal dysraphism with lipoma: comparison with metrizamide computed tomography, Wippold FJ; Citrin C; Barkovich AJ; et al, Pediatr Radiol 1987; 17: 184
- fixed spinal cord: diagnosis with MR imaging, Levy LM; Di Chiro G; McCullough DC; Dwyer AJ; Johnson DL; Yang SSL, Radiology 1988; 169: 773
- Gd-DTPA in MR of spinal lesions, Valk J, AJNR 1988; 9: 345
- hemorrhage and edema in acute spinal cord compression: demonstration by MR imaging, Hackney DB; Asato R; Joseph PM; Carlini MJ; McGrath JT; Grossman RI; Kassab EA; DeSimone D, Radiology 1986; 161: 387
- Hippel-Lindau disease: MR imaging, Sato Y; Waziri M; Smith W; Frey EE; Yuh WTC; Hanson J; Franken EA Jr, Radiology 1988; 166: 241
- imaging strategies for MR of the spine, Hyman RA; Gorey MT, Radiol Clin North Am 1988; 26: 505
- impact of MR imaging on clinical diagnosis and management: prospective study, Franken EA Jr; Berbaum KS; Dunn G; Smith WL; Ehrhardt JC; Levitz GS; Breckenridge RE, Radiology 1986; 161: 377
- increased MR signal intensity secondary to chronic cervical cord compression, Takahashi M; Sakamoto Y; Miyawaki M; et al, Neuroradiol 1987; 29: 550
- injured spinal cord: evaluation with magnetic resonance and intraoperative sonography, Quencer RM, Radiol Clin North Am 1988; 26: 1025
- intradural extramedullary ependymoma: MR-pathologic correlation, Wagle WA; Jaufman B; Mincy JE, JCAT 1988; 12: 705
- intramedullary spinal cord tumors: MR imaging, with emphasis on associated cysts, Goy AMC; Pinto RS; Raghavendra BN; Epstein FJ; Kricheff II, Radiology 1986; 161: 381
- magnetic resonance diagnosis of intramedullary tumors of the spinal cord, Scotti G; Scialfa G; Colombo N; et al, Neuroradiol 1987; 29: 130

Spinal cord, MR studies

- magnetic resonance imaging (MRI) of diastematomyelia. Thron A; Schroth G. *Neuroradiol* 1986; 28: 371
- magnetic resonance imaging in infants and children with spinal dysraphism. Barnes PD; Lester PD; Yamanashi WS; et al. *AJNR* 1986; 7: 465
- magnetic resonance imaging (MRI) appearances of syringohydromyelia. Houang MTW; Stern M; Brew B; et al. *Australas Radiol* 1988; 32: 172
- magnetic resonance imaging (MRI) of pseudosyrinxes. Houang MTW; Stern M; Brew B; et al. *Australas Radiol* 1988; 32: 178
- magnetic resonance imaging of acute spinal cord injury: report of three cases. Kadoya S; Nakamura T; Kobayashi S; et al. *Neuroradiol* 1987; 29: 252
- magnetic resonance imaging of spinal cord syndromes. (ab). von Einsiedel HG; Stephan R. *Radiology* 1986; 158: 571
- magnetic resonance imaging of spinal dysraphism. Brunberg JA; Latchaw RE; Kanal E; et al. *Radiol Clin North Am* 1988; 26: 181
- magnetic resonance imaging of syringomyelia occurring after operation on spinal intramedullary tumours by Cavitron ultrasonic aspirator. Avrahami E; Herskovitz P; Cohn DF. *Br J Radiol* 1987; 60: 701
- magnetic resonance imaging of the chronically injured cervical spinal cord. Quencer RM; Sheldon JJ; Post MJD; et al. *AJNR* 1986; 7: 457
- MR appearance of gray and white matter in the cervical spinal cord. Czervionke LF; Daniels DL; Ho PSP; et al. *AJNR* 1988; 9: 557
- MR appearance of syringomyelia: new observations. Sherman JL; Barkovich AJ; Citrin CM. *AJNR* 1986; 7: 985
- MR demonstration of spinal cord sarcoidosis: report of a case. Kelly RB; Mahoney PD; Cawley KM. *AJNR* 1988; 9: 197
- MRI and CT of ankylosing spondylitis with vertebral scalloping. Abelló R; Rovira M; Sanz MP; et al. *Neuroradiol* 1988; 30: 272
- MRI in syringomyelia of congenital, infectious, traumatic or idiopathic origin: a study of 142 cases. Aubin ML; Baleriaux D; Cosnard G; et al. *J Neuroradiol* 1987; 14: 313
- MR imaging in the diagnosis of spontaneous spinal epidural hematomas. Rothfus WE; Chedid MK; Deeb ZL; et al. *JCAT* 1987; 11: 851
- MR imaging of acute spinal cord trauma. Chakres DW; Flickinger F; Bresnahan JC; et al. *AJNR* 1987; 8: 5
- MR imaging of intraspinal tumors—capability in histological differentiation and compartmentalization of extramedullary tumors. Tatemoto K; Matsumura Y; Hashimoto H; et al. *Neuroradiol* 1988; 30: 303
- MR imaging of spinal cord arteriovenous malformations at 0.5 T: study of 34 cases. Dormont D; Gelbert F; Assouline E; et al. *AJNR* 1988; 9: 833
- MR imaging of spinal cord hemangioblastoma associated with syringomyelia. Kaffenberger DA; Shah CF; Murtagh FR; et al. *JCAT* 1988; 12: 495
- MR imaging of spinal cord in Devic disease. Tashiro K; Ito K; Maruo Y; et al. *JCAT* 1987; 11: 516
- MR imaging of spinal lymphoma. Holtas SL; Kido DK; Simon JH. *JCAT* 1986; 10: 111
- MR imaging of syringohydromyelia and Chiari malformations in myelomeningocele patients with scoliosis. Samuelsson L; Bergstrom K; Thumas K-A; et al. *AJNR* 1987; 8: 539
- MR imaging of the acutely injured patient with cervical traction. McArdle CB; Wright JW; Prevost WJ; Dorfner DJ; Amparo EG. *Radiology* 1986; 159: 273
- MR imaging of the spine. Houghton VM. *Radiology* 1988; 166: 297
- MR imaging of the spine in children. Duthoy MJ; Lund G. *Eur J Radiol* 1988; 8: 188
- MR imaging with gadolinium-DTPA in the differentiation of tumor, syrinx, and cyst of the spinal cord. Slasky BS; Bydder GM; Niendorf HP; et al. *JCAT* 1987; 11: 845
- MRI of central nervous system: early clinical results. Zimmerman RA; Bilaniuk LT; Johnson MH; et al. *AJNR* 1986; 7: 587
- MRI of spinal cord congenital malformations: Chiari malformations and dysraphism. Doyon D; Sigal R; Poylecot G; et al. *J Neuroradiol* 1987; 14: 185
- MRI of the spinal cord: intramedullary tumours. Carsin M; Gandon Y; Rolland Y; et al. *J Neuroradiol* 1987; 14: 337
- MRI study of spinal arteriovenous malformations. Dormont D; Assouline E; Gelbert F; et al. *J Neuroradiol* 1987; 14: 351
- MRI versus conventional radiologic examinations in the evaluation of the craniovertebral and cervicomedullary junction. Smoker WRK; Keyes WD; Dunn VD; Menezes AH. *Radiographics* 1986; 6: 953
- MR of postoperative syringomyelia. Barkovich AJ; Sherman JL; Citrin CM; et al. *AJNR* 1987; 8: 319
- MR of the cauda equina. Monajati A; Wayne WS; Rauschnig W; et al. *AJNR* 1987; 8: 893
- MR visualization and clinical significance of the anterior longitudinal epidural venous plexus in cervical extra-axial lesions. Takahashi M; Sakamoto Y; Miyawaki M; et al. *Comput Med Imag Graph* 1988; 12: 169
- natural history of repaired myelomeningocele. Nelson MD Jr; Bracchi M; Naidich TP; McLone DG. *Radiographics* 1988; 8: 695
- ³¹P magnetic resonance spectroscopy of traumatic spinal cord injury. Vink R; Knobloch SM; Eaden AL; Magn Res Med 1987; 5: 390
- posterior spinal cord block: a dosimetric study. Mota HC; Vijayakumar S; Sibata C; Higgins PD; Thomas FJ; Saxton J; Weinstein M. *Radiology* 1988; 168: 859
- potential false-negative MR images of the thoracic spine in disk disease with switching of phase- and frequency-encoding gradients. Enzmann DR; Griffin C; Rubin JB. *Radiology* 1987; 165: 635
- radiculomeningeal vascular malformations of the spine: MR imaging. Masaryk TJ; Ross JS; Modic MT; Ruff RL; Selman WR; Ratcheson RA. *Radiology* 1987; 164: 845
- rapid nonotomographic approach to MR myelography without contrast agents. Hennig J; Friedburg H; Strobel B. *JCAT* 1986; 10: 375
- sensitivity and specificity of MRI in detecting malignant spinal cord compression and in distinguishing malignant from benign compression fractures of vertebrae. Li KC; Poon PY. *Magn Res Imag* 1988; 6: 547
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings. Davis PC; Hoffman JC Jr; Ball TI; Wyly JB; Braun IF; Fry SM; Drvaric DM. *Radiology* 1988; 166: 679
- spinal arteriovenous malformation: MR imaging. Minami S; Sagoh T; Nishimura K; Yamashita K; Fujisawa I; Noma S; Itoh K; Togashi K; Oda Y; Matsumoto M; Yamagata S; Kikuchi H; Nakano Y; Konishi J. *Radiology* 1988; 169: 109
- spinal cord artifacts from truncation errors during MR imaging. Levy LM; Di Chiro G; Brooks RA; Dwyer AJ; Wener L; Frank J. *Radiology* 1988; 166: 479
- spinal infection: evaluation with MR imaging and intraoperative US. Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA. *Radiology* 1988; 169: 765
- spine: device to facilitate surface coil MR imaging. Williamson MR; Angtuaco EJ; Jackson JC; Pruitt WB. *Radiology* 1988; 167: 273
- syringomyelia: myelography, computed tomography, and magnetic resonance imaging. Deeb ZL; Daffner RH; Rothfus WE; et al. *CT* 1988; 12: 1
- syrinx-like artifacts on MR images of the spinal cord. Bronskill MJ; McVeigh ER; Kucharczyk W; Henkelman RM. *Radiology* 1988; 166: 485
- value of paraxial slices in MR-imaging of spinal cord disease. Gawehn J; Schroth G; Thron A. *Neuroradiol* 1986; 28: 347
- Spinal cord, neoplasms**
- ambiguities in MR imaging of tumoral cysts in the spinal cord. Rubin JM; Aisen AM; DiPietro MA. *JCAT* 1986; 10: 395
- combined arteriovenous malformation and intramedullary lipoma: surgery and embolotherapy. Rice JF; Jelsma RK. *AJNR* 1986; 7: 171
- complications of spinal cord arteriography: prospective assessment of risk for diagnostic procedures. Forbes G; Nichols DA; Jack CR Jr; Ilstrup DM; Kispert DB; Piepgras DG; Wiebers DO; Earnest F IV; Axley FL. *Radiology* 1988; 169: 479
- CT myelography of subarachnoid leukemia infiltration of the lumbar thecal sac and lumbar nerve roots. McAllister MD; O'Leary DH. *AJNR* 1987; 8: 568
- differentiation of intramedullary neoplasms and cysts by MR. Williams AL; Houghton VM; Pojuna KW; et al. *AJNR* 1987; 8: 527
- epidural spinal cord compression from metastatic tumor. Zevallos M; Chan PYM; Munoz L; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 875
- Gd-DTPA in MR of spinal lesions. Valk J. *AJNR* 1988; 9: 345
- hematogenous spinal leptomeningeal metastasis: unique CT enhancement pattern. Hoffman SM; Baker TW; El Gammal T; et al. *Pediatr Radiol* 1987; 17: 147
- Hippel-Lindau disease: MR imaging. Sato Y; Waziri M; Smith W; Frey EE; Yuh WTC; Hanson J; Franken EA Jr. *Radiology* 1988; 166: 241
- imaging of an intraspinal cervical dermoid tumor by MR, CT, and sonography. Awwad EE; Backer R; Archer CR. *Comput Radiol* 1987; 11: 169
- imaging of tumors of the spinal canal and cord. Zimmerman RA; Bilaniuk LT. *Radiol Clin North Am* 1988; 26: 965
- impact of MR imaging on clinical diagnosis and management: prospective study. Franken EA Jr; Berbaum KS; Dunn V; Smith WL; Ehrhardt JC; Levitz GS; Breckenridge RE. *Radiology* 1986; 161: 377
- intradural extramedullary ependymoma: MR-pathologic correlation. Wagie WA; Jauferman B; Mincy JE. *JCAT* 1988; 12: 705
- intradural spinal teratoma: case report and review of the literature. Smoker WRK; Biller J; Moore SA; et al. *AJNR* 1986; 7: 905
- intramedullary spinal cord metastases, mainly of nonneurogenic origin. Post MJD; Quencer RM; Green BA; et al. *AJNR* 1987; 8: 339
- intramedullary spinal cord metastasis. clinicopathological study of 13 cases. (ab). Costigan DA; Winkelman MD. *Radiology* 1986; 158: 285
- intramedullary spinal cord metastasis: diagnostic and therapeutic considerations. (ab). Winkelman MD; Adelstein DJ; Karlins NL. *Radiology* 1987; 165: 887
- intramedullary spinal cord metastasis in Hodgkin's disease: rapid diagnosis and treatment resulting in neurologic recovery. (ab). Lyding JM; Tseng A; Newman A; et al. *Radiology* 1988; 167: 295
- intramedullary spinal cord tumors: MR imaging, with emphasis on associated cysts. Goy AMC; Pinto RS; Raghavendra BN; Epstein FJ; Kricheff II. *Radiology* 1986; 161: 381
- intraoperative spinal sonography in the evaluation of intramedullary tumors. Platt JF; Rubin JM; Chandler WF; et al. *J Ultrasound Med* 1988; 7: 317
- intraspinous lumbosacral lipoma: review of literature and report of three cases. Sharma S; Puri S; Das L; et al. *Australas Radiol* 1988; 32: 207
- intraspinous primitive neuroectodermal tumor arising from the sacral spinal nerve root. Liu H-M; Yang WC; Garcia RL; et al. *CT* 1987; 11: 350
- magnetic resonance diagnosis of intramedullary tumors of the spinal cord. Scotti G; Scialfa G; Colombo N; et al. *Neuroradiol* 1987; 29: 130

- MR imaging of intraspinal tumors—capability in histological differentiation and compartmentalization of extramedullary tumors, Takemoto K; Matsumura Y; Hashimoto H; et al, *Neuroradiol* 1988; 30: 303
- MR imaging of spinal lymphoma, Holts SL; Kido DK; Simon JH, *JCAT* 1986; 10: 111
- MR imaging with gadolinium-DTPA in the differentiation of tumor, syrinx, and cyst of the spinal cord, Slasky BS; Bydder GM; Niendorf HP; et al, *JCAT* 1987; 11: 845
- MRI of the spinal cord: intramedullary tumors, Carsin M; Gandon Y; Rolland Y; et al, *J Neuroradiol* 1987; 14: 337
- MRI versus conventional radiologic examinations in the evaluation of the craniovertebral and cervicomedullary junction, Smoker WRK; Keyes WD; Dunn VD; Menezes AH, *Radiographics* 1986; 6: 953
- posterior spinal cord block: a dosimetric study, Mota HC; Vijayakumar S; Sibata C; Higgins PD; Thomas FJ; Saxton J; Weinstein M, *Radiology* 1988; 168: 859
- radiotherapeutic management of adult intraspinal ependymomas, Shaw EG; Evans RG; Scheithauer BW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 323
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis PC; Hoffman JC Jr; Ball TJ; Wylie JB; Braun IF; Fry SM; Drvaric DM, *Radiology* 1988; 166: 679
- Spinal cord, radiography**
See Myelography
- Spinal cord, stenosis**
cervical radiculopathy: prospective evaluation with surface coil MR imaging, CT with metrizamide, and metrizamide myelography, Modic MT; Masaryk TJ; Mulopulos GP; Bundschuh CV; Han JS; Bohlman H, *Radiology* 1986; 161: 753
- computed tomography of children and adolescents with suspected spinal stenosis, Hasso AN; McKinney JM; Killeen J; et al, *JCAT* 1987; 11: 609
- flexed sitting maneuver for complete lumbar myelography in patients with severe spinal stenosis and apparent block, Kapila A; Chakres DW, *Radiology* 1986; 160: 265
- Spinal cord, surgery**
Arnold-Chiari II malformation: intraoperative real-time US, DiPietro MA; Venes JL; Rubin JM, *Radiology* 1987; 164: 799
- Spinal cord, therapeutic radiology**
posterior spinal cord block: a dosimetric study, Mota HC; Vijayakumar S; Sibata C; Higgins PD; Thomas FJ; Saxton J; Weinstein M, *Radiology* 1988; 168: 859
- radiotherapeutic management of adult intraspinal ependymomas, Shaw EG; Evans RG; Scheithauer BW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 323
- spinal cord protection during radiation therapy, Coia L; Chu J; Larsen R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1697
- technique for delivering uniform dose at the junction of two spinal fields, Wu A; Sternick ES; Shahabi S; et al, *Br J Radiol* 1986; 59: 929
- Spinal cord, US studies**
Arnold-Chiari II malformation: intraoperative real-time US, DiPietro MA; Venes JL; Rubin JM, *Radiology* 1987; 164: 799
- injured spinal cord: evaluation with magnetic resonance and intraoperative sonography, Quencer RM, *Radiol Clin North Am* 1988; 26: 1025
- intraoperative spinal sonography in the evaluation of intramedullary tumors, Platt JF; Rubin JM; Chandler WF; et al, *J Ultrasound Med* 1988; 7: 317
- natural history of repaired myelomeningocele, Nelson MD Jr; Bracchi M; Naidich TP; McLone DG, *Radiographics* 1988; 8: 695
- normal development of the spinal cord in neonates and infants seen on ultrasonography, Kawahara H; Andou Y; Takashima S; et al, *Neuroradiol* 1987; 29: 50
- sonographic diagnosis of diastematomyelia, Raghavendra BN; Epstein FJ; Pinto RS; et al, *J Ultrasound Med* 1988; 7: 111
- spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, *Radiology* 1988; 169: 765
- spinal ultrasonography: intraoperative and pediatric applications, Rubin JM; DiPietro MA; Chandler WF; et al, *Radiol Clin North Am* 1988; 26: 1
- time requirements for intraoperative neurosonography, Quencer RM; Montalvo BM, *AJNR* 1986; 7: 155
- transducer frequency considerations in intraoperative US of the spine, Gooding GAW; Berger MS; Linkowski GD; Dillon WP; Weinstein PR; Boggan JE, *Radiology* 1986; 160: 272
- ultrasound of the spinal cord in neonates and infants, (ab), Jequier S; Cramer B; O'Gorman AM, *Radiology* 1986; 158: 282
- Spine**
See also Spinal cord
- case report 343, Sartoris DJ; Jones H, *Skeletal Radiol* 1986; 15: 60
- epidural steroid injection: a procedure ideally performed with fluoroscopic control, El-Khoury GY; Ehara S; Weinstein JN; Montgomery WJ; Kathol MH, *Radiology* 1988; 168: 554
- general case of the day: annual meeting 1985, McLeod RA, *Radiographics* 1986; 6: 504
- linear growth of the thoracic spine in chest roentgenograms from birth to 16 years, Currarino G; Williams B; Reisch JS, *Skeletal Radiol* 1986; 15: 628
- Spine, abnormalities**
absent cervical pedicle syndrome: case report, van Dijk Azn R; Thijssen HOM; Merx JL; et al, *Neuroradiol* 1987; 29: 69
- case report 419, Buisi G; Booth A; Watt I, *Skeletal Radiol* 1987; 16: 240
- cervical spinal stenosis: determination with vertebral body ratio method, Pavlov H; Torg JS; Robie B; Jahre C, *Radiology* 1987; 164: 771
- cervical spinal stenosis: determination with vertebral body ratio method, Chappell BW, *Radiology* 1988; 167: 282
- cervical spinal stenosis: determination with vertebral body ratio method: reply, Pavlov H, *Radiology* 1988; 167: 282
- changes at the base of skull and cervical spine in Down syndrome, Miller JDR; Capustan BM; Lampard R, *J Canad Assoc Radiol* 1986; 37: 85
- comparative study of magnetic resonance imaging and computed tomography-assisted myelography in spinal dysraphism, Jaspas T; Worthington BS; Holland IM, *Br J Radiol* 1988; 61: 445
- computed tomographic myelography in the investigation of childhood scoliosis and spinal dysraphism, Rothwell CL; Forbes WSC; Gupta SC, *Br J Radiol* 1987; 60: 1197
- congenital absence and hypoplasia of pedicles in the thoracic spine, Lederman HM; Kaufman RA, *Skeletal Radiol* 1986; 15: 219
- CT and MR findings in Aicardi syndrome, Iqbalshian V; Mahboubi S; Zimmerman RA, *JCAT* 1987; 11: 357
- defects in the vertebral endplates, Lancaster KT, *Semin Roentgenol* 1988; 23: 89
- degenerative lumbar disk disease: pitfalls and usefulness of MR imaging in detection of vacuum phenomenon, Grenier N; Grossman RI; Schiebler ML; Yeager BA; Goldberg HI; Kressel HY, *Radiology* 1987; 164: 861
- general case of the day: annual meeting, 1986, Foderaro AE; El-Khoury GY; Hingtgen WL; Hitchon PJ; Franken EA Jr, *Radiographics* 1987; 7: 395
- hypertrophic anterior tubercles of C₅ and C₆ on CT, Nijboer EW; Penning L, *Neuroradiol* 1987; 29: 78
- intraoperative sonography in spinal dysraphism and syringomyelia, Quencer RM; Montalvo BM; Naidich TP; et al, *AJNR* 1987; 8: 329
- in-utero diagnosis of the caudal regression syndrome: report of three cases, Loewy JA; Richards DG; Toi A, *JCU* 1987; 15: 469
- minimal spinal hyperostosis with low-dose isotretinoin therapy, Kilcoyne RF; Cope R; Cunningham W; et al, *Invest Radiol* 1986; 21: 41
- MR imaging of spinal dysraphism, Altman NR; Altman DH, *AJNR* 1987; 8: 533
- paraspinal lipomatosis: benign mass, Glickstein MF; Miller WT; Dalinka MK; Lally JF, *Radiology* 1987; 163: 79
- patterns of paravertebral ossification in the prehistoric saber-toothed cat, Björkengren AG; Sartoris DJ; Shermis S; et al, *AJR* 1987; 148: 779
- prenatal diagnosis of iniencephaly—(report of 2 cases), Kapoor R; Saha MM, *Australas Radiol* 1987; 31: 400
- prenatal sonographic diagnosis of congenital hemivertebra, Benacerraf BR; Greene MF; Bars VA, *J Ultrasound Med* 1986; 5: 257
- progressive non-infectious anterior vertebral fusion, Smith JRG; Martin IR; Shaw DG; et al, *Skeletal Radiol* 1986; 15: 599
- pseudofractures due to Nec-Lox cervical immobilization collar, Daffner RH; Khoury MB, *Skeletal Radiol* 1987; 16: 460
- radiology of lumbar vertebral pedicles: variants, anomalies and pathologic conditions, Patel NP; Kumar R; Kinkhabwala M; Wengrover S, *Radiographics* 1987; 7: 101
- real-time sonographic display of caudal spinal anomalies, Naidich TP; Radkowski MA; Britton J, *Neuroradiol* 1986; 28: 512
- rheumatoid arthritis of the cervical spine: early and progressive radiographic features, Wolfe BK; O'Keefe D; Mitchell DM; Tchang SPK, *Radiology* 1987; 165: 145
- scintigraphy of persistent vertebral transverse process epiphysis, Mandell GA; Harcke HT, *Clin Nucl Med* 1987; 12: 359
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis PC; Hoffman JC Jr; Ball TJ; Wylie JB; Braun IF; Fry SM; Drvaric DM, *Radiology* 1988; 166: 679
- spinal deformities and pseudofractures, Boechat MI, *AJR* 1987; 148: 97
- spinal neuroarthropathy after traumatic paraplegia, Crim JR; Bassett LW; Gold RH; et al, *AJNR* 1988; 9: 359
- spinal segmentation anomalies: in utero diagnosis by ultrasound, Zalman M; Avni EF; Balasse H; et al, *Br J Radiol* 1988; 61: 847
- spine changes in neurofibromatosis, Yaghmai I, *Radiographics* 1986; 6: 261
- tissue inhomogeneity within lumbar costovertebral foramen, Johansen JG, *Neuroradiol* 1987; 29: 406
- unusual disco-vertebral changes in Gaucher's disease, Colhoun EN; Caesar-Pulicino V; McCall IW; et al, *Br J Radiol* 1987; 60: 925
- vertebral body: radiographic configurations in various congenital and acquired disorders, Kumar R; Guinto FC Jr; Madewell JE; Swischuk LE; David R, *Radiographics* 1988; 8: 455
- Spine, anatomy**
cervical neural foramina: correlative anatomic and MR imaging study, Czervionke LF; Daniels DL; Ho PSP; Yu S; Pech P; Strandt J; Williams AL; Haughton VM, *Radiology* 1988; 169: 753
- dural infolding during C1-2 myelography, Burt TB; Seeger JF; Carmody RF; Yang PJ, *Radiology* 1986; 158: 546
- ultrasonic anatomy of the normal neonatal and infant spine: correlation with cryomicrotome sections and CT, Gusnard DA; Naidich TP; Yousefzadeh DK; et al, *Neuroradiol* 1986; 28: 493
- Spine, angiography**
isolated dorsospinal artery supplying anterior spinal artery, Clavier E; Guimaraes L; Chiras J; et al, *Neuroradiol* 1987; 29: 213
- simultaneous bifemoral retrograde arteriography under pressure: first stage in angiographic exploration of the spine and spinal cord, Melki JP; Riche MC; Reizine D; et al, *J Neuroradiol* 1986; 13: 62
- spinal angiography with iohexol, Kendall B, *Neuroradiol* 1986; 28: 72
- surgical neuroangiography of the spine and spinal cord, Choi IS; Berenstein A, *Radiol Clin North Am* 1988; 26: 1131

Spine, arthritis

- asymptomatic degenerative disk disease and spondylosis of the cervical spine: MR imaging. Teresi LM; Lufkin RB; Reicher MA; Moffit BJ; Vinuela FV; Wilson GM; Benton JR; Hanafey WN. *Radiology* 1987; 164: 83
- cervical rheumatoid arthritis: value of flexion and extension views in imaging. Reynolds H; Carter SW; Murtagh FR; Silbiger M; Rechline GR. *Radiology* 1987; 164: 215
- cervical spine involvement in rheumatoid arthritis: MR imaging. Aisen AM; Martel W; Ellis JH; McCune WJ. *Radiology* 1987; 165: 159
- end plate of the discovertebral joint: degenerative change in the elderly adult. Aoki J; Yamamoto I; Kitamura N; Sone T; Itoh H; Torizuka K; Takasu K. *Radiology* 1987; 164: 411
- normal and degenerative posterior spinal structures: MR imaging. Grenier N; Kressel HY; Schiebler ML; Grossman RI; Dalinka MK. *Radiology* 1987; 165: 517
- osteoarthritis of the facet joints: accuracy of oblique radiographic assessment. Pathria M; Sartoris DJ; Resnick D. *Radiology* 1987; 164: 227
- pharyngeal function in patients with rheumatoid arthritis of the cervical spine and temporomandibular joint. Ekberg O; Redlund-Johnell I; Sjöblom KG. *Acta Radiol* 1987; 28: 35
- rheumatoid arthritis of the cervical spine: early and progressive radiographic features. Wolfe BK; O'Keefe D; Mitchell DM; Tchang SPK. *Radiology* 1987; 165: 145
- rheumatoid nodules of the spine: case report and review of the literature. (ab). Pearson ME; Kosco M; Huffer W; et al. *Radiology* 1987; 163: 886
- spondyloarthropathy from long-term hemodialysis. Naidich JB; Mossey RT; McHaffey-Atkinson B; Karmel ML; Bluestone PA; Mailloux LU; Stein HL. *Radiology* 1988; 167: 761
- syndromic artifacts on MR images of the spinal cord. Bronshtejn MJ; McVeigh ER; Kucharczyk W; Henkelman RM. *Radiology* 1988; 166: 485
- traction osteophytes of the lumbar spine: radiographic-pathologic correlation. Pate D; Goobar J; Resnick D; Haghighi P; Sartoris DJ; Pathria MN. *Radiology* 1988; 166: 843
- Spine, biopsy**
- CT-guided needle aspiration biopsy of an intraspinal synovial cyst (ganglion): case report and review of the literature. Abrahams JJ; Wood GW; Eames FA; et al. *AJNR* 1988; 9: 398
- malignant extradural spinal tumors: MR imaging with Gd-DTPA. Sze G; Krol G; Zimmerman RD; Deck MDF. *Radiology* 1988; 167: 217
- percutaneous biopsy of the cervical spine using CT guidance. Kattapuram SV; Rosenthal DL. *AJR* 1987; 149: 539
- thoracic spine: percutaneous trephine biopsy. Laredo J-D; Bard M. *Radiology* 1986; 160: 485
- vertebral osteomyelitis: value of percutaneous biopsy: 30 cases. Cotty P; Fouquet B; Pleskof L; et al. *J Neuroradiol* 1988; 15: 13
- Spine, collapse**
- postmenopausal osteoporosis: simple screening method for diagnosis before structural failure. Meema HE; Meema S. *Radiology* 1987; 164: 405
- screening for postmenopausal osteoporosis. Korpi CT. *Radiology* 1988; 167: 873
- screening for postmenopausal osteoporosis: reply. Meema HE; Meema S. *Radiology* 1988; 167: 873
- vertebral-body collapse in focal and diffuse disease: patterns of pathologic processes. Sartoris DJ; Clopton P; Nemcek A; Dowd C; Resnick D. *Radiology* 1986; 160: 479
- Spine, CT**
- anulus fibrosus in bulging intervertebral disks. Yu S; Haughton VM; Sether LA; Wagner M. *Radiology* 1988; 169: 761
- asymptomatic calcified herniated thoracic disks: CT recognition. Ryan RW; Lally JF; Kozic Z. *AJNR* 1988; 9: 363

- bone changes in the pathogenesis of persistence-recurrence of low back pain in patients operated for lumbar disk herniation: CT evaluation. Carella A; Resta M; Farchi G; et al. *J Neuroradiol* 1987; 14: 171
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: comparison of measurement methods. Reinbold W-D; Genant HK; Reiser UJ; Harris ST; Ettinger B. *Radiology* 1986; 160: 469
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women. Mazess RB. *Radiology* 1987; 165: 289
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: reply. Genant HK. *Radiology* 1987; 165: 290
- bone mineral measurement in the human spine using computed tomography. Scalzetti EM; Bassano DA. *Invest Radiol* 1986; 21: 858
- cervical kyphosis in diastrophic dwarfism: CT and MR findings. Kreck J; Starshak RJ. *Pediatr Radiol* 1987; 17: 321
- cervical radiolopathy: value of oblique MR imaging. Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Bohlman H. *Radiology* 1987; 163: 227
- comparative study of magnetic resonance imaging and computed tomography-assisted myelography in spinal dysraphism. Jaapan T; Worthington BS; Holland IM. *Br J Radiol* 1988; 61: 445
- computed tomographic myelography in spinal subdural empyema. Knudsen LL; Voldby B; Stagaard M. *Neuroradiol* 1987; 29: 99
- computed tomographic myelography in the investigation of childhood scoliosis and spinal dysraphism. Rothwell CI; Forbes WSC; Gupta SC. *Br J Radiol* 1987; 60: 1197
- computed tomography after lumbar disc surgery. Ilkko E; Lähde S; Koivukangas J; et al. *Acta Radiol* 1988; 29: 179
- computed tomography application to lumbar epidurography. Savolaine ER; Greenblatt SH; Conover SR; et al. *CT* 1987; 11: 193
- computed tomography in low-back-pain after femur-amputation for osteogenic sarcoma. Anda S; Moe PJ. *Pediatr Radiol* 1987; 17: 164
- computed tomography in low back pain before and after myelography: a qualitative comparison. Fagerlund MKJ. *Acta Radiol* 1988; 29: 353
- computed tomography in spinal hemangioma with cord compression: report of two cases. Schnyder P; Fankhauser H; Mansouri B. *Skeletal Radiol* 1986; 15: 372
- computed tomography in spinal trauma. Lynch D; McManus F; Ennis JT. *Clin Radiol* 1986; 37: 71
- computed tomography of acute spinal subdural hematoma. Tantana S; Pilla TJ; Luisiri A. *JCAT* 1986; 10: 891
- computed tomography of spinal chordomas. Firooznia H; Golimbu C; Rafii M; et al. *CT* 1986; 10: 45
- computed tomography of the post-operative lumbar spine: the need for, and optimal dose of, intravenous contrast medium. Dixon AK; Bannan RP. *Br J Radiol* 1987; 60: 215
- computed tomography of the upper cervical spine in Down syndrome. Miller JDR; Grace MGA; Lampard R. *JCAT* 1986; 10: 589
- CT anatomy of the craniovertebral junction in infants and children. Calvy TM; Segall HD; Gilles FH; et al. *AJNR* 1987; 8: 489
- CT and nuclear medicine imaging in vertebral metastases. van Zanten TEG; Teule GJJ; Golding RP; et al. *Clin Nucl Med* 1986; 11: 334
- CT-diskography in the evaluation of the postoperative lumbar spine: preliminary results. Grenier N; Vital J-M; Greselle J-F; et al. *Neuroradiol* 1988; 30: 232
- CT findings in paravertebral synovial sarcoma. Treu EBWM; de Slegte RGM; Golding RP; et al. *JCAT* 1986; 10: 460
- CT measurement of spinal mineral—initial Australian experience using the U.C.S.F. phantom. Alcock MK; Tucker WC; Higgins BA; et al. *Australas Radiol* 1988; 32: 276

- CT/MR spectrum of far lateral and anterior lumbosacral disk herniations. Osborn AG; Hood RS; Sherry RG; et al. *AJNR* 1988; 9: 775
- CT myelography of extradural pigmented villonodular synovitis. Retrum ER; Schmidlin TM; Taylor WK; et al. *AJNR* 1987; 8: 727
- CT of bilateral lumbosacral facet dislocation. Graves VB; Keene JS; Strother CM; et al. *AJNR* 1988; 9: 809
- CT of extraforaminal disc herniation with associated vacuum phenomenon. Anda S; Støvring J; Rø M. *Neuroradiol* 1988; 30: 76
- CT of pyogenic spine infection. (ab). Burke DR; Brant-Zawadzki M. *Radiology* 1986; 158: 860
- CT of the lumbar spine: normal variants and pitfalls. Helms CA; Vogler JB III; Hardy DC. *Radiographics* 1987; 7: 447
- CT of the postoperative lumbar spine: value of intravenous contrast. Weiss T; Treisch J; Kazner E; et al. *Neuroradiol* 1986; 28: 241
- CT patterns of facet fracture dislocations in the thoracolumbar region. Manaster BJ; Osborn AG. *AJNR* 1986; 7: 1007
- CT patterns of facet fracture dislocations in the thoracolumbar region. Manaster BJ; Osborn AG. *AJR* 1987; 148: 335
- CT reconstruction technique in lumbar intraneuroforaminal disc herniation. Volle E; Kern A; Stoltenberg G; et al. *Neuroradiol* 1988; 30: 138
- demonstration of anterior intervertebral disc herniation by CT. Johansen JG. *Neuroradiol* 1987; 29: 214
- device for maintaining cervical spine stabilization and traction during CT scanning. Stimac GK; Burch D; Livingston RR; et al. *AJR* 1987; 149: 345
- diagnosis and evaluation of spondylolisthesis and/or spondylolysis on axial CT. Teplick JG; Laffey PA; Berman A; et al. *AJNR* 1986; 7: 479
- disc calcification in childhood: computed tomographic and magnetic resonance imaging appearances. McGregor JC; Butler P. *Br J Radiol* 1986; 59: 180
- dynamic CT discography: an evaluation of a new technique. Buirski G; Watt I. *Australas Radiol* 1988; 32: 197
- early diagnosis of spinal metastases by CT and MR studies. Colman LK; Porter BA; Redmond J III; et al. *JCAT* 1988; 12: 423
- early sequelae of gunshot wounds to the spine: radiologic diagnosis. Gellad FE; Paul KS; Geisler FH. *Radiology* 1988; 167: 523
- effects of IV contrast administration on intraspinal and paraspinal tissues: a CT study. 1. measurement of CT attenuation numbers. Wilmsink JT; Roukema JG. *AJNR* 1987; 8: 703
- effects of IV contrast administration on intraspinal and paraspinal tissues: a CT study. 2. visual assessment. Wilmsink JT; Roukema JG; van den Burg W. *AJNR* 1988; 9: 191
- enterogenous cyst of cervical spine: clinical and radiological aspects (including CT and MRI). Aoki S; Machida T; Sasaki Y; et al. *Neuroradiol* 1987; 29: 291
- ependymoma of filum terminale: metrizamide-enhanced CT evaluation. Wang A-M; Lin JCT; Haykal HA; et al. *Comput Radiol* 1986; 4: 239
- epidural lipomatosis with lumbar radiculopathy: CT appearance. Randall BC; Muraki AS; Osborn RE; et al. *JCAT* 1986; 10: 1039
- extraspinal abnormalities identified on lumbar spine CT. Frager DH; Elkin CM; Kansler F; et al. *Neuroradiol* 1986; 28: 58
- extrusion of bone graft after lumbar fusion: CT appearance. Coughlan JD. *JCAT* 1986; 10: 399
- foraminal spurs: normal variant in the lumbar spine. Helms CA; Sims RE. *Radiology* 1986; 160: 153
- functional diagnostics of the cervical spine using computer tomography. Dvorak J; Penning L; Hayek J; et al. *Neuroradiol* 1988; 30: 132
- gas in a cervical vertebral body: a case report with CT confirmation. Larsen JL; Smievoll AL. *Eur J Radiol* 1988; 8: 98

- gas in the psoas muscle secondary to an intravertebral vacuum cleft: CT characteristics. Van Bockel SR; Mindelzun RE. *JCAT* 1987; 11: 913
- giant cell tumor of the spine: computed tomography appearance and review of the literature. Bidwell JK; Young JWR; Khalil E. *CT* 1987; 11: 307
- hangman's fracture: radiologic assessment in 27 cases. Mirvis SE; Young JWR; Lim C; Greenberg J. *Radiology* 1987; 163: 713
- herniated lumbar disk shown by dynamic computed tomography. Shen W-C; Yang C-F. *JCAT* 1988; 12: 713
- high-dose IV contrast in CT scanning of the postoperative lumbar spine. Yang PJ; Seeger JF; Dzioba RB; et al. *AJNR* 1986; 7: 703
- high-resolution CT scanning in the evaluation of cervical spine fractures: comparison with plain film examinations. Acheson MB; Livingston RR; Richardson ML; et al. *AJR* 1987; 148: 1179
- Hodgkin's disease of spine: computed tomography and magnetic resonance imaging. Mikhail MA; Paige ML. *CT* 1987; 11: 174
- hypertrophic anterior tubercles of C₃ and C₄ on CT. Nijboer EW; Penning L. *Neuroradiol* 1987; 29: 78
- infection versus tumor in the spine: criteria for distinction with CT. Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SJ; Brown JJ; Zlatkin M; Sartoris DJ; Chevrot A; Resnick CS; Resnick D. *Radiology* 1988; 166: 851
- intradural disc herniation with vacuum phenomenon: CT diagnosis. Anda S; Dale LG; Vassal J. *Neuroradiol* 1987; 29: 407
- intradural herniation of thoracic disc: CT metrizamide myelography. Wang A-M; Zamani AA. *Comput Radiol* 1986; 10: 115
- investigation of sciatica and low back pain syndromes: current trends. Buirski G. *Clin Radiol* 1987; 38: 151
- lap-belt injuries of the lumbar spine in children: a pitfall in CT diagnosis. Taylor GA; Eggli KD. *AJR* 1988; 150: 1355
- large lumbar osteophyte: unusual cause of false clinical impression of common iliac artery aneurysm. Schwab H; Cunningham M; Willard D. *J Ultrasound Med* 1986; 5: 595
- low-dose metrizamide spinal computed tomography in outpatients. Pressman BD; Mink JH; Turner RM; et al. *JCAT* 1986; 10: 817
- lumbar disc disease evaluated by myelography and postmyelography spinal computed tomography. Ketonen L; Gyldesten C. *Neuroradiol* 1986; 28: 144
- lumbar disk herniation: diagnosis with CT or myelography? Schipper J; Kardaun JWW; Braakman R; van Dongen KJ; Blaauw G. *Radiology* 1987; 163: 227
- lumbar hernia: diagnosis by CT. Baker ME; Weinert JL; Andriani RT; et al. *AJR* 1987; 148: 565
- lumbar neurofibromas: CT appearance and differential diagnosis. Lau LSW; Petty PG. *Australas Radiol* 1987; 31: 83
- lumbar spine after surgery: examination with intravenous contrast-enhanced CT. Firooznia H; Kricheff II; Rafii M; Golimbu C. *Radiology* 1987; 163: 221
- measure-set computed tomographic analysis of internal architectures of lumbar disc: clinical and histologic studies. Bahk YW; Lee JM. *Invest Radiol* 1988; 23: 17
- migratory lumbar disc herniation: computerized tomography and surgery. Krause D; Maitrot D; Veillon F; et al. *J Neuroradiol* 1987; 14: 39
- modified method of spinal computed tomography for trabecular bone mineral measurements. Banks LM; Stevenson JC. *JCAT* 1986; 10: 463
- multilevel thoracic disk herniations: CT and MR studies. Alvarez O; Roque CT; Pampati M. *JCAT* 1988; 12: 649
- neuropathic spinal arthropathy: CT and MR findings. Kapila A; Lines M. *JCAT* 1987; 11: 736
- noninvasive bone densitometry: the need for cooperation and respect in research. Sartoris DJ. *Radiology* 1988; 166: 902
- normal and degenerative posterior spinal structures: MR imaging. Grenier N; Kressel HY; Schiebler ML; Grossman RI; Dalinka MK. *Radiology* 1987; 165: 517
- osteoarthritis of the facet joints: accuracy of oblique radiographic assessment. Pathria M; Sartoris DJ; Resnick D. *Radiology* 1987; 164: 227
- Paget disease of the spine: CT with clinical correlation. Zlatkin MB; Lander PH; Hadjipavliou AG; Levine JS. *Radiology* 1986; 160: 155
- paraganglioma metastatic to the cervical spine. Osborn RE; Mojtahedi S. *Comput Radiol* 1986; 4: 167
- parasagittal schwannoma with cystic appearance on CT. Johansen JG; Stenwig JT. *Neuroradiol* 1987; 29: 314
- pediatric patients with achondroplasia: CT evaluation of the craniovertebral junction. Wang H; Rosenbaum AE; Reid CS; Zinreich SJ; Feyeritz RE. *Radiology* 1987; 164: 515
- posterior vertebral body line: importance in the detection of burst fracture. Daffner RH; Deeb ZL; Rothfus WE. *AJR* 1987; 148: 93
- prediction of the compressive strength of vertebral bodies of the lumbar spine by quantitative computed tomography. Biggemann M; Hilweg D; Brinckmann P. *Skeletal Radiol* 1988; 17: 264
- pseudarthrosis following lumbar fusion: detection by direct coronal CT scanning. Chafetz NJ; Cann CE; Morris JM; Steinbach LS; Goldberg HI; Ax L. *Radiology* 1987; 162: 803
- pseudotumor of the craniovertebral junction associated with chronic subluxation: MR imaging studies. Sze G; Brant-Zawadzki M; Wilson CR; Norman D; Newton TH. *Radiology* 1986; 161: 391
- pure thoracolumbar facet dislocation: clinical features and CT appearance. Gellad FE; Levine AM; Joslyn JN; Edwards CC; Bosse M. *Radiology* 1986; 161: 505
- radiologic imaging of symptomatic ligamentum flavum thickening with and without ossification. Stollman A; Pinto R; Benjamin V; et al. *AJNR* 1987; 8: 991
- radiology of lumbar vertebral pedicles: variants, anomalies and pathologic conditions. Patel NP; Kumar R; Kinkhabwala M; Wengrover S. *Radiographics* 1987; 7: 101
- rate of spinal trabecular bone loss in normal perimenopausal women: CT measurement. Firooznia H; Golimbu C; Rafii M; Schwartz MS. *Radiology* 1986; 161: 735
- recognition of gas-containing disc herniation on lateral CT-scoutview. Kaiser MC; Capelus P; Veiga-Pires JA; et al. *Neuroradiol* 1987; 29: 98
- reliability of attenuation measurements in CT of the lumbar spine: evaluation with an anthropomorphic phantom. Moström U; Ytterbergh C. *JCAT* 1988; 12: 474
- role of diskography after negative postmyelography CT scans: retrospective review. Abdelwahab IF; Gould ES. *AJNR* 1988; 9: 187
- sacroccygeal teratoma: computed tomography evaluation. Chan F-L; Cheng C-S; Tam PK-H; et al. *CT* 1987; 11: 200
- spinal deformities and pseudofractures. Boechat ML. *AJR* 1987; 148: 97
- spinal epidural lymphomas: CT features in seven patients. Beres J; Pech P; Berns TF; et al. *AJNR* 1986; 7: 327
- synovial cysts of the lumbar spine: CT evaluation. Wang A-M; Haykal HA; Lin JCT; et al. *Comput Radiol* 1987; 11: 253
- thoracic chordoma with unusual radiographic features. Brooks M; Kleefeld J; O'Reilly GV; et al. *Comput Radiol* 1987; 11: 85
- thoracic disk herniation: MR imaging. Ross JS; Perez-Reyes N; Masaryk TJ; Bohlman H; Modic MT. *Radiology* 1987; 165: 511
- thoracic disk herniation: MR imaging. Williams MP; Cherryman GR. *Radiology* 1988; 167: 874
- thoracic disk herniation: MR imaging: reply. Ross JS. *Radiology* 1988; 167: 875
- three-dimensional computed tomography in acute cervical spine trauma: preliminary report. Wojcik WG; Edeiken-Monroe BS; Harris JH Jr. *Skeletal Radiol* 1987; 16: 261
- trabecular mineral content of the spine in women with hip fracture: CT measurement. Firooznia H; Rafii M; Golimbu C; Schwartz MS; Ort P. *Radiology* 1986; 159: 737
- traction device to improve CT imaging of lower cervical spine. Boger DC. *AJNR* 1986; 7: 719
- tumors of the osseous spine: staging with MR imaging versus CT. Beltran J; Noto AM; Chakares DW; Christoforidis AJ. *Radiology* 1987; 162: 565
- unusual presentation of thyroid papillary carcinoma: enlargement of a cervical intervertebral foramen. Roberts L Jr; Drayer BP; Apple JS; et al. *Comput Radiol* 1986; 10: 45
- usual appearance of the postoperative lumbar spine. Mall JC; Kaiser JA. *Radiographics* 1987; 7: 245
- vacuum phenomenon as a sign of an ununited, unstable dens fracture. Williams AL; Carrera GF; Grogan JP; et al. *AJNR* 1987; 8: 1144
- value of enhanced "dynamic" computed tomography in localizing a spinal juxta-vertebral meningioma: enhanced dynamic CT in localizing a spinal meningioma. Boccardo M; Macchia G; Carloti G; et al. *Neuroradiol* 1987; 29: 313
- value of supplemental prone position scans for CT evaluation of herniated disc. Nov AA. *J Neuroradiol* 1985; 15: 85
- varied computed tomographic appearances of acute spinal epidural haematoma. Williams CE; Nelson M. *Clin Radiol* 1987; 38: 363
- vertebral bone density in children: effect of puberty. Gilsanz V; Gibbens DT; Roe TF; Carlson M; Senac MO; Boechat ML; Huang HK; Schulz EE; Libanati CR; Cann CC. *Radiology* 1988; 166: 847
- vertebral bone mineral analysis: an integrated approach with CT. Kalender WA; Klotz E; Suess C. *Radiology* 1987; 164: 419
- vertebral bone mineral measurement using dual photon absorptiometry and computer tomography. Eriksson S; Isberg B; Lindgren U. *Acta Radiol* 1988; 29: 89
- vertebral hemangiomas: radiologic evaluation. Laredo J-D; Reizine D; Bard M; Merland J-J. *Radiology* 1986; 161: 183
- vertebral mineralization after parathyroidectomy: measurement by quantitative CT. Scalzetti EM; Levinsohn EM; Numann P; et al. *AJR* 1988; 151: 533
- vertebral mineral status: assessment with single- versus multi-section CT. Lambiasi R; Sartoris DJ; Fellingham L; Andre M; Resnick D. *Radiology* 1987; 164: 231
- vertebral trabecular bone: comparison of single and dual-energy CT measurements with chemical analysis. Burgess AE; Colborne B; Zoffmann E. *JCAT* 1987; 11: 506
- who has most epidural fat? information from computed tomography. Dixon AK. *Br J Radiol* 1986; 59: 475

Spine, curvature

- cervical kyphosis in diastrophic dwarfism: CT and MR findings. Krcak J; Starshak RJ. *Pediatr Radiol* 1987; 17: 321
- childhood scoliosis: MR imaging. Nokes SR; Murtagh FR; Jones JD III; Downing M; Arrington JA; Turetsky D; Silbiger ML. *Radiology* 1987; 164: 791
- comparison of different methods used to diagnose pseudarthrosis following posterior spinal fusion for scoliosis. (ab). Dawson EG; Clader TJ; Bassett LW. *Radiology* 1986; 159: 574
- computed tomographic myelography in the investigation of childhood scoliosis and spinal dysraphism. Rothwell CI; Forbes BSC; Gupta SC; Br J Radiol 1987; 60: 1197
- lumbar posterior marginal intra-osseous cartilaginous node. Laredo J-D; Bard M; Chretien J; et al. *Skeletal Radiol* 1986; 15: 201
- MR imaging of syringohydromyelia and Chiari malformations in myelomeningocele patients with scoliosis. Samuelsson L; Bergstrom K; Thuomas K-A; et al. *AJNR* 1987; 8: 539
- radiation dose reduction in the evaluation of scoliosis: application of digital radiography. Kushner DC; Cleveland RH; Herman TE; Zaleske DJ; Ehrlich MG; Correia JA. *Radiology* 1986; 161: 175
- radiologic and pathologic patterns of endplate-based vertebral sclerosis. Katz ME; Teitelbaum SL; Gilula LA; et al. *Invest Radiol* 1988; 23: 447

Spine, curvature

scoliosis examinations: organ dose and image quality with rare-earth screen-film systems, Fearon T; Vucich J; Butler P; et al, *AJR* 1988; 150: 359

spinal compression fractures in osteoporotic women: patterns and relationship in hyperkyphosis, De Smet AA; Robinson RG; Johnson BE; Lukert BP, *Radiology* 1988; 166: 497

total upright large volume columnar myelography in pediatric scoliosis, Jinkins JR, *Neuroradiol* 1987; 29: 200

Spine, cysts

CT-guided needle aspiration biopsy of an intraspinal synovial cyst (ganglion): case report and review of the literature, Abrahams JJ; Wood GW; Eames FA; et al, *AJNR* 1988; 9: 398

demonstration radiologique d'un kyste epidermoide intradural rupture, Boucher J; Heon M; Levesque R-Y, *J Canad Assoc Radiol* 1987; 38: 17

enterogenous cyst of cervical spine: clinical and radiological aspects (including CT and MRI), Aoki S; Machida T; Sasaki Y; et al, *Neuroradiol* 1987; 29: 291

expansile bone lesions of the vertebra, Kumar R; Guinto FC Jr; Madewell JE; David R; Shirkhoda A, *Radiographics* 1988; 8: 749

intraspinal neurenteric cyst containing gastric mucosa: CT and MRI findings, Kantrowitz LR; Pais MJ; Burnett K; et al, *Pediatr Radiol* 1986; 16: 324

magnetic resonance imaging of intraspinal epidermoid cyst: case report, Phillips J; Chiu L, *CT* 1987; 11: 181

MR imaging characteristics of a neurenteric cyst, Geremia GK; Russell EJ; Clasen RA, *AJNR* 1988; 9: 978

post-surgical anterior pseudomeningocele presenting as an abdominal mass, Kolawole TM; Patel PJ; Naim-U-Rahaman, *Comput Radiol* 1987; 11: 237

reversible cause of back pain and sciatica in rheumatoid arthritis: an apophyseal joint cyst, (ab), Jacob JR; Weisman MH; Mink JH; et al, *Radiology* 1986; 161: 575

somatosensory evoked potential measurements in percutaneous fluid aspiration from intraspinal cystic lesions, Quencer RM; Ayvar DR; Angus E; et al, *AJNR* 1988; 9: 551

symptomatic intraspinal synovial cysts: opacification and treatment by percutaneous injection, Björkengren AG; Kurz LT; Resnick D; et al, *AJR* 1987; 149: 105

synovial cyst of the cervical spine: case report and review of the literature, Patel SC; Sanders WP, *AJNR* 1988; 9: 602

Spine, diseases

angiofollicular lymph node hyperplasia (Castleman's disease) associated with vertebral destruction, (ab), Stokes SH; Griffith RC; Thomas PRM, *Radiology* 1986; 158: 570

cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part I. general considerations and disk disease, Enzmann DR; Rubin JB, *Radiology* 1988; 166: 467

degenerative disk disease: assessment of changes in vertebral body marrow with MR imaging, Modic MT; Steinberg PM; Ross JS; Masaryk TJ; Carter JR, *Radiology* 1988; 166: 193

destructive noninfectious spondyloarthropathy in hemodialysis patients: report of four cases, Kaplan PA; Resnick D; Murphy M; Heck L; Phalen J; Egan D; Rutsky E, *Radiology* 1987; 162: 241

destructive noninfectious spondyloarthropathy in hemodialysis patients, Varga J; Fennes A, *Radiology* 1987; 164: 584

destructive noninfectious spondyloarthropathy in hemodialysis patients: reply, Kaplan PA; Resnick D, *Radiology* 1987; 164: 585

destructive spondyloarthropathy in chronic haemodialysis patients, Deraumont H; Sebert JL; Rosat P; et al, *J Neuroradiol* 1987; 14: 27

diskogenic vertebral sclerosis: MR imaging, Sobel DF; Zyffoff J; Thorne RP, *JCAT* 1987; 11: 855

effect of spondylolysis on the outcome of chemonucleolysis, Tehranzadeh J; Kaufman HH; Davis CM; et al, *Skeletal Radiol* 1987; 16: 560

end plate of the discovertebral joint: degenerative change in the elderly adult, Aoki J; Yamamoto I; Kitamura N; Sone T; Itoh H; Torizuka K; Takasu K, *Radiology* 1987; 164: 411

eosinophilic granuloma of the cervical spine without vertebral plana, Baber WW; Numaguchi Y; Nadell JM; et al, *CT* 1987; 11: 346

eosinophilic granuloma of the spine: MR demonstration, Haggstrom JA; Brown JC; Marsh PW, *JCAT* 1988; 12: 344

false-normal bone imaging in spinal tuberculosis, Pui MH; Chin-Sang HB; Rubenstein JD, *Clin Nucl Med* 1986; 11: 245

lumbar disk herniation: diagnosis with CT or myelography?, Schipper J; Kardaun JWP; Braakman R; van Dongen KJ; Blaauw G, *Radiology* 1987; 165: 227

magnetic resonance imaging in non-infective destructive spondyloarthropathy, Patel B; Mistry CD; Kumar EN; et al, *Br J Radiol* 1988; 61: 511

osteoarthritis of the facet joints: accuracy of oblique radiographic assessment, Pathria M; Sartoris DJ; Resnick D, *Radiology* 1987; 164: 227

Paget disease of the spine: CT with clinical correlation, Zlatkin MB; Lian YH; Hadjipavlos AG; Levine JS, *Radiology* 1986; 160: 155

postoperative lumbar spine, Ross JS; Modic MT; Masaryk TJ; et al, *Semin Roentgenol* 1988; 23: 125

solitary eosinophilic granuloma of a cervical neural arch, (ab), Martin N; Helias A; Pottuz GJ; et al, *Radiology* 1986; 158: 571

spinal and paraspinous neurofibromatosis: surface coil MR imaging at 1.5 T, Burk DL Jr; Brunberg JA; Kanal E; Latchaw RE; Wolf GL, *Radiology* 1987; 162: 797

spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, *Radiology* 1988; 169: 765

spinocerebellar degeneration: qualitative and quantitative MR analysis of atrophy, Nabatame H; Fukuyama H; Akiguchi I; et al, *JCAT* 1988; 12: 298

spondyloarthropathy of the cervical spine in long-term hemodialysis, Rafto SE; Dalinka MK; Schiebler ML; Burk DL Jr; Kricun ME, *Radiology* 1988; 166: 201

Spine, dislocation

case of a thoracic vertebral body dislocation without neurological signs in a child with neurofibromatosis, Fasanelli S; Colajacomo M; Gugliattini P; et al, *Pediatr Radiol* 1986; 16: 262

cervical spine fractures and dislocations in children, Apple JS; Kirks DR; Merten DF; et al, *Pediatr Radiol* 1987; 17: 45

CT in low back and sciatic pain due to lumbar canal osseous changes, Rosa M; Capellini C; Canevari MA; et al, *Neuroradiol* 1986; 28: 237

CT of bilateral lumbosacral facet dislocation, Graves VB; Keene JS; Strother CM; et al, *AJNR* 1988; 9: 809

diagnosis and evaluation of spondylolisthesis and/or spondylolysis on axial CT, Teplick IG; Laffey PA; Berman A; et al, *AJNR* 1986; 7: 479

disc damage above a spondylolisthesis, Henson J; McCall IW; O'Brien JP, *Br J Radiol* 1987; 60: 69

hyperextension dislocation of the cervical spine, Edeiken-Monroe B; Wagner LK; Harris JH Jr, *AJNR* 1986; 7: 135

radiographic distinction of degenerative slippage (spondylolisthesis) and retrolisthesis from traumatic slippage of the cervical spine, Lee C; Woodring JH; Rogers LF; et al, *Skeletal Radiol* 1986; 15: 439

roentgenologic assessment of spondylolisthesis: I. a study of measurement variations, Danielson B; Frennered K; Irsam L, *Acta Radiol* 1988; 29: 345

traumatic atlantooccipital dislocation: two cases with survival, Bools JC; Rose BS, *AJNR* 1986; 7: 901

Spine, facet joints

clinical evaluation of cervical facet joint infiltration, Roy DF; Fleury J; Fontaine SB; et al, *J Canad Assoc Radiol* 1988; 39: 118

CT in low back and sciatic pain due to lumbar canal osseous changes, Rosa M; Capellini C; Canevari MA; et al, *Neuroradiol* 1986; 28: 237

CT patterns of facet fracture dislocations in the thoracolumbar region, Manaster BJ; Osborn AG, *AJNR* 1986; 7: 1007

CT patterns of facet fracture dislocations in the thoracolumbar region, Manaster BJ; Osborn AG, *AJR* 1987; 148: 335

facet joint disorders and their role in the production of back pain and sciatica, Schellinger D; Wener L; Ragsdale BD; Patronas NJ, *Radiographics* 1987; 7: 923

facet joint menisci of the cervical spine: correlative MR imaging and cryomicrotomy study, Yu S; Sether L; Houghton VM, *Radiology* 1987; 164: 79

gas in spinal articulations, Yetkin Z; Chintapalli K; Daniels DL; et al, *Neuroradiol* 1986; 28: 150

normal and degenerative posterior spinal structures: MR imaging, Grenier N; Kressel HY; Schiebler ML; Grossman RI; Dalinka MK, *Radiology* 1987; 165: 517

osteoarthritis of the facet joints: accuracy of oblique radiographic assessment, Pathria M; Sartoris DJ; Resnick D, *Radiology* 1987; 164: 227

Spine, fractures

cervical spine fractures and dislocations in children, Apple JS; Kirks DR; Merten DF; et al, *Pediatr Radiol* 1987; 17: 45

CT detection of a Jefferson fracture in a child, Wirth RL; Zatz LM; Parker BR, *AJR* 1987; 149: 1001

CT patterns of facet fracture dislocations in the thoracolumbar region, Manaster BJ; Osborn AG, *AJNR* 1986; 7: 1007

"fat" C2: sign of fracture, Smoker WRK; Dolan KD, *AJNR* 1987; 8: 33

"fingerprints" of vertebral trauma—a unifying concept based on mechanisms, Daffner RH; Deeb ZL; Rothfus WE, *Skeletal Radiol* 1986; 15: 518

fracture of the posterior margin of a lumbar vertebral body, (ab), Takata K; Inoue S-I; Takahashi K; et al, *Radiology* 1988; 169: 293

high-resolution CT scanning in the evaluation of cervical spine fractures: comparison with plain film examinations, Acheson MB; Livingston RR; Richardson ML; et al, *AJR* 1987; 148: 1179

intravertebral vacuum phenomenon, Kumpan W; Salomonowitz E; Seidl G; et al, *Skeletal Radiol* 1986; 15: 444

intravertebral vacuum phenomenon, Harverson G, *Clin Radiol* 1988; 39: 69

osteoporosis with vertebral compression fractures, retropulsed fragments, and neurologic compromise, Kaplan PA; Orton DF; Asleson RJ, *Radiology* 1987; 165: 533

pinhole collimator scintigraphy in differential diagnosis of metastasis, fracture, and infections of the spine, Bahk YW; Kim OH; Chung SK, *J Nucl Med* 1987; 28: 447

pneumorrhachis after jejunal entrapment caused by a fracture dislocation of the lumbar spine, Silver SF; Nadel HR; Flodmark O, *AJR* 1988; 150: 1129

posterior vertebral body line: importance in the detection of burst fracture, Daffner RH; Deeb ZL; Rothfus WE, *AJR* 1987; 148: 93

pseudofractures due to Nec-Loc cervical immobilization collar, Daffner RH; Khoury MB, *Skeletal Radiol* 1987; 16: 460

pseudofractures of the cervical vertebral body, Daffner RH; Deeb ZL; Rothfus WE, *Skeletal Radiol* 1986; 15: 295

radiographic evaluation of modern orthopedic fixation devices, Richardson ML; Kilcoyne RE; Mayo KA; Lamont JG; Hastrup W, *Radiographics* 1987; 7: 685

radiology of posterior lumbar apophyseal ring fractures: report of 13 cases, Dietemann JL; Runge M; Badoz A; et al, *Neuroradiol* 1988; 30: 337

spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945

spinal compression fractures in osteoporotic women: patterns and relationship in hyperkyphosis, De Smet AA; Robinson RG; Johnson BE; Lukert BP, *Radiology* 1988; 166: 497

- spontaneous resolution of spinal canal deformity after burst-dispersion fracture. Chakera TMH; Bedbrook G; Bradley CM. *AJNR* 1988; 9: 779
- subacute osteoporotic compression fracture: misleading magnetic resonance appearance. Frager D; Elkin C; Swerdlow M; et al. *Skeletal Radiol* 1988; 17: 123
- thoracic fractures and dislocations in motorcyclists. Daffner RH; Deeb ZL; Rothfus WE. *Skeletal Radiol* 1987; 16: 280
- thoracolumbar burst fractures: two "new" plain film signs with C.T. correlation. Wang S-C; Grattan-Smith A. *Australas Radiol* 1987; 31: 404
- trabecular mineral content of the spine in women with hip fracture: CT measurement. Firooznia H; Rafii M; Golimbu C; Schwartz MS; Ort P. *Radiology* 1986; 159: 737
- vacuum phenomenon as a sign of an ununited, unstable distal fracture. Williams AL; Carrera GF; Grogan JP; et al. *AJNR* 1987; 8: 1144
- vertebral-body collapse in focal and diffuse disease: patterns of pathologic processes. Sartoris DJ; Clopton P; Nemcek A; Dowd C; Resnick D. *Radiology* 1986; 160: 479

Spine, hemorrhage

- computed tomography of acute spinal subdural hematoma. Tantara S; Pilla TJ; Luisiri A. *JCAT* 1986; 10: 891
- spinal epidural hematoma visualized by magnetic resonance imaging. Bernsen PLJA; Haan J; Vielvoye GJ; et al. *Neuroradiol* 1988; 30: 280
- varied computed tomographic appearances of acute spinal epidural haematoma. Williams CE; Nelson M. *Clin Radiol* 1987; 38: 363

Spine, infection

- chronic recurrent multifocal osteomyelitis. Brown T; Wilkinson RH. *Radiology* 1988; 166: 493
- CT of pyogenic spine infection. (ab). Burke DR; Brant-Zawadzki M. *Radiology* 1986; 158: 860
- diagnosis of discitis by SPECT technetium-99m MDP scintigram: case report. Swanson D; Blecker I; Gahbauer H; et al. *Clin Nucl Med* 1987; 12: 210
- disc space infection in children: magnetic resonance imaging. Heller RM; Szalay EA; Green NE; et al. *Radiol Clin North Am* 1988; 26: 207
- hematogenous pyogenic vertebral osteomyelitis: diagnostic value of radionuclide bone imaging. Adatepe MH; Powell OM; Isaacs GH; et al. *J Nucl Med* 1986; 27: 1680
- infection versus tumor in the spine: criteria for distinction with CT. Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SI; Brown J; Zlatkin M; Sartoris DJ; Chevrot A; Resnik CS; Resnick D. *Radiology* 1988; 166: 851
- intraosseous and intradiscal gas in association with spinal infection: report of three cases. Bielecki DK; Sartoris DJ; Resnick D; et al. *AJR* 1986; 147: 83
- leukocyte scanning of inflammatory processes in the spinal column. (ab). Georgi P; Kaps HP; Sinn HJ. *Radiology* 1986; 158: 569
- magnetic resonance imaging in non-specific discitis. Forster A; Pothmann R; Winter K; et al. *Pediatr Radiol* 1987; 17: 162
- mobile myelographic filling defects: spinal cysticercosis. Savoiardo M; Cimino C; Passerini A; et al. *Neuroradiol* 1986; 28: 166
- MR imaging of spinal epidural sepsis. Anguaco EJC; McConnell JR; Chaddock WM; et al. *AJNR* 1987; 8: 879
- pinhole collimator scintigraphy in differential diagnosis of metastasis, fracture, and infections of the spine. Bahk YW; Kim OH; Chung SK. *J Nucl Med* 1987; 28: 447
- spinal infection: evaluation with MR imaging and intraoperative US. Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA. *Radiology* 1988; 169: 765

Spine, inflammation

See Spondylitis

Spine, injuries

- acute cervical spine trauma: evaluation with 1.5-T MR imaging. Mirvis SE; Geisler FH; Jelinek JJ; Joslyn JN; Gellad F. *Radiology* 1988; 166: 807
- acute intervertebral gas following vertebral fracture: CT demonstration. Tash RR; Weitzner I Jr. *JCAT* 1986; 10: 707
- annulus vacuum sign. Bohrer SP. *Skeletal Radiol* 1986; 15: 233
- cervical spinal stenosis: determination with vertebral body ratio method. Pavlov H; Torg JS; Robie B; Jahre C. *Radiology* 1987; 164: 771
- cervical spinal stenosis: determination with vertebral body ratio method. Chappell BW. *Radiology* 1988; 167: 282
- cervical spinal stenosis: determination with vertebral body ratio method: reply. Pavlov H. *Radiology* 1988; 167: 282
- cervical spine annulus vacuum. Bohrer SP; Chen YM. *Skeletal Radiol* 1988; 17: 324
- computed tomography in spinal trauma. Lynch D; McManus F; Ennis JT. *Clin Radiol* 1986; 37: 71
- CT patterns of facet fracture dislocations in the thoracolumbar region. Manaster BJ; Osborn AG. *AJR* 1987; 148: 335
- early sequelae of gunshot wounds to the spine: radiologic diagnosis. Gellad FE; Paul KS; Geisler FH. *Radiology* 1988; 167: 523
- "fingerprints" of vertebral trauma—a unifying concept based on mechanisms. Daffner RH; Deeb ZL; Rothfus WE. *Skeletal Radiol* 1986; 15: 518
- functional diagnostics of the cervical spine using computer tomography. Dvorak J; Penning L; Hayek J; et al. *Neuroradiol* 1988; 30: 132
- general case of the day: annual meeting. 1986. Foderaro AE; El-Khoury GY; Hingten WL; Hitchon PJ; Franken EA Jr. *Radiographics* 1987; 7: 395
- impact of magnetic resonance on the diagnostic evaluation of acute cervicothoracic spinal trauma. Goldberg AL; Rothfus WE; Deeb ZL; et al. *Skeletal Radiol* 1988; 17: 89
- lap-belt injuries of the lumbar spine in children: a pitfall in CT diagnosis. Taylor GA; Egli KD. *AJR* 1988; 150: 1355
- lumbar arterial injury: radiologic diagnosis and management. Scalfani SJA; Florence LO; Phillips TF; Scales TM; Glanz S; Goldstein AS; Duncan AO; Shafter GW. *Radiology* 1987; 165: 709
- MR imaging of recent spinal trauma. Tarr RW; Drolshagen LF; Kerner TC; et al. *JCAT* 1987; 11: 412
- MR imaging of the acutely injured patient with cervical traction. McArdle CB; Wright JW; Prevost WJ; Dornfest DJ; Amparo EG. *Radiology* 1986; 159: 273
- pseudotumor of the craniocervical junction associated with chronic subluxation: MR imaging studies. Sze G; Brant-Zawadzki M; Wilson CR; Norman D; Newton TH. *Radiology* 1986; 161: 391
- pure thoracolumbar facet dislocation: clinical features and CT appearance. Gellad FE; Levine AM; Joslyn JN; Edwards CC; Bosse M. *Radiology* 1986; 161: 505
- radiographic distinction of degenerative slippage (spondylolisthesis) and traumatic slippage of the cervical spine. Lee C; Woodring JH; Rogers LF; et al. *Skeletal Radiol* 1986; 15: 439
- review of cervical-spine radiographs in casualty patients. Annis JAD; Finlay DBL; Allen MJ; et al. *Br J Radiol* 1987; 60: 1059
- spinal column damage from water ski jumping. Horne J; Cockshott WP; Shannon HS. *Skeletal Radiol* 1987; 16: 612
- surface coil MR of spinal trauma: preliminary experience. McArdle CB; Crofford MJ; Mirfakhraee M; et al. *AJNR* 1986; 7: 885
- thoracic fractures and dislocations in motorcyclists. Daffner RH; Deeb ZL; Rothfus WE. *Skeletal Radiol* 1987; 16: 280
- three-dimensional computed tomography in acute cervical spine trauma: preliminary report. Wojcik WC; Edeiken-Monroe BS; Harris JH Jr. *Skeletal Radiol* 1987; 16: 261

value of retropharyngeal soft tissue measurements in trauma of the adult cervical spine. Templeton PA; Young JWR; Mirvis SE; et al. *Skeletal Radiol* 1987; 16: 98

Spine, intervertebral disks

- acute herniated nucleus pulposus with cauda equina compression syndrome following chemonucleolysis: report of three cases. (ab). Smith S; Leibrock LG; Gelber BK; et al. *Radiology* 1988; 166: 591
- acute intervertebral gas following vertebral fracture: CT demonstration. Tash RR; Weitzner I Jr. *JCAT* 1986; 10: 707
- annulus fibrosus calcification in the cervical spine: radiologic-pathologic correlation. Kerns S; Pope TL Jr; de Lange EE; et al. *Skeletal Radiol* 1986; 15: 605
- annulus vacuum sign. Bohrer SP. *Skeletal Radiol* 1986; 15: 233
- annulus fibrosus in bulging intervertebral disks. Yu S; Haughton VM; Sether LA; Wagner M. *Radiology* 1988; 169: 761
- asymptomatic calcified herniated thoracic disks: CT recognition. Ryan RW; Lally JF; Kozic Z. *AJNR* 1988; 9: 363
- asymptomatic degenerative disk disease and spondylosis of the cervical spine: MR imaging. Teresi LM; Lufkin RB; Reicher MA; Moffitt BJ; Vinuela FV; Wilson GM; Benton JR; Hanafey WN. *Radiology* 1987; 164: 83
- automated percutaneous discectomy: initial patient experience: work in progress. Onik G; Maroon J; Helms CA; Schweigel J; Mooney V; Kahanovitz N; Day A; Morris J; McCulloch JA; Reicher MA. *Radiology* 1987; 162: 129
- bone changes in the pathogenesis of persistence-recurrence of low back pain in patients operated for lumbar disk herniation: CT evaluation. Carella A; Resta M; Farchi G; et al. *J Neuroradiol* 1987; 14: 171
- calcifying discopathy in infancy in the cervical spine: evaluation of vertebral alterations over a period of time. Uno S; Colajacomo M; Migliorini A; et al. *Pediatr Radiol* 1987; 17: 387
- case report 384. Merlino L; Albinetti U; Savini R. *Skeletal Radiol* 1986; 15: 488
- case report 474. Ozdoba C; Kurtz B. *Skeletal Radiol* 1988; 17: 203
- cerebrospinal fluid: detection of tumors and disk herniations with MR spectroscopy. Koschorek F; Gremmel H; Stelten J; Offermann W; Leibfritz D. *Radiology* 1988; 167: 813
- cervical radiculopathy: value of oblique MR imaging. Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Bohlman H. *Radiology* 1987; 163: 227
- cervical spine MR imaging: generating high-signal CSF in sagittal and axial images. Enzmann DR; Rubin JB; Wright A. *Radiology* 1987; 163: 233
- cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part I. general considerations and disk disease. Enzmann DR; Rubin JB. *Radiology* 1988; 166: 467
- chemonucleation and changes observed on lumbar MR scan: preliminary report. Huckman MS; Clark JW; McNeill TW; et al. *AJNR* 1987; 8: 1
- computed tomography after lumbar disc surgery. Ilkko E; Lähde S; Koivukangas J; et al. *Acta Radiol* 1988; 29: 179
- computed tomography in low back pain before and after myelography: a qualitative comparison. Fagerlund MKJ. *Acta Radiol* 1988; 29: 353
- correlation of radiological features to failure of lumbar intervertebral disc chemonucleolysis. (ab). Houser OW; Onofrio BM; Forbes GS; et al. *Radiology* 1987; 163: 295
- CT-diskography in the evaluation of the postoperative lumbar spine: preliminary results. Grenier N; Vital J-M; Gresselle J-F; et al. *Neuroradiol* 1988; 30: 232
- CT/MR spectrum of far lateral and anterior lumbosacral disk herniations. Osborn AG; Hood RS; Sherry RG; et al. *AJNR* 1988; 9: 775
- CT of extraforaminal disc herniation with associated vacuum phenomenon. Anda S; Styrving J; Rø M. *Neuroradiol* 1988; 30: 76

- CT reconstruction technique in lumbar intraneuroforaminal disc herniation, Volle E; Kern A; Stoltenberg G; et al, *Neuroradiol* 1988; 30: 138
- current status of lumbar diskography, Shapiro R, *Radiology* 1986; 159: 815
- current status of lumbar diskography, Shapter AE, *Radiology* 1986; 161: 853
- current status of lumbar diskography: reply, Shapiro R, *Radiology* 1986; 161: 853
- degenerative disk disease: assessment of changes in vertebral body marrow with MR imaging, Modic MT; Steinberg PM; Ross JS; Masaryk TJ; Carter JR, *Radiology* 1988; 166: 193
- degenerative lumbar disk disease: pitfalls and usefulness of MR imaging in detection of vacuum phenomenon, Grenier N; Grossman RJ; Schiebler ML; Yeager BA; Goldberg HI; Kressel HY, *Radiology* 1987; 164: 861
- delayed presentation of posttraumatic cervical disk herniation, Blumenkopf B; Bennett WF, *AJNR* 1986; 7: 722
- demonstration of anterior intervertebral disc herniation by CT, Johansen JG, *Neuroradiol* 1987; 29: 214
- diagnosis of herniated nucleus pulposus by digital spinal plethography with false negative CT and/or radiculoscography, Stadnik TW; Van Tussenbroek FM; Osteaux MJ, *Eur J Radiol* 1987; 7: 209
- disc calcification in childhood: a case report with CT findings, Hatfield KD, *Australas Radiol* 1987; 31: 397
- disc calcification in childhood: computed tomographic and magnetic resonance imaging appearances, McGregor JC; Butler P, *Br J Radiol* 1986; 59: 180
- disc damage above a spondylolisthesis, Henson J; McCall IW; O'Brien JP, *Br J Radiol* 1987; 60: 69
- disc degeneration in the thoracolumbar junctional region: evaluation by radiography and discography in autopsy, Malmivaara A, *Acta Radiol* 1987; 28: 755
- disc space infection in children: magnetic resonance imaging, Heller RM; Szalay EA; Green NE; et al, *Radiol Clin North Am* 1988; 26: 207
- diskogenic disease of the cervical spine, Simon JE; Lukin RR, *Semin Roentgenol* 1988; 23: 118
- diskogenic diseases of the spine: clinical aspects, Heiss JD; Tew JM Jr, *Semin Roentgenol* 1988; 23: 93
- diskogenic vertebral sclerosis: MR imaging, Sobel DF; Zyroff J; Thorne RP, *JCAT* 1987; 11: 855
- disk processes in MR, Heller H; Braitering S; Petsch R; et al, *Eur J Radiol* 1986; 6: 59
- don't discard diskography, Bernard TN Jr, *Radiology* 1987; 162: 285
- dynamic CT discography: an evaluation of a new technique, Burski G; Watt I, *Australas Radiol* 1988; 32: 197
- effect of chymopapain on the meninges studied in an experimental model, Houghton VM; Nguyen CM; Ho K-C, *Radiology* 1988; 169: 475
- effect of spondylolysis on the outcome of chemonucleolysis, Tehranzadeh J; Kaufman HH; Davis CM; et al, *Skeletal Radiol* 1987; 16: 560
- effects of chemonucleolysis demonstrated by MR imaging, Masaryk TJ; Bouthphey F; Modic MT; et al, *JCAT* 1986; 10: 917
- end plate of the discoversal joint: degenerative change in the elderly adult, Aoki J; Yamamoto I; Kitamura N; Sone T; Itoh H; Torizuka K; Takasu K, *Radiology* 1987; 164: 411
- epidural fibrosis and recurrent disk herniation in the lumbar spine: MR imaging assessment, Bundschuh CV; Modic MT; Ross JS; et al, *AJNR* 1988; 9: 169
- extrusion of bone graft after lumbar fusion: CT appearance, Coughlan JD, *JCAT* 1986; 10: 399
- gas in spinal articulations, Yetkin Z; Chintapalli K; Daniels DL; et al, *Neuroradiol* 1986; 28: 150
- herniated lumbar disk shown by dynamic computed tomography, Shen W-C; Yang C-F, *JCAT* 1988; 12: 713
- high-resolution MR imaging of sequestered lumbar intervertebral disks, Masaryk TJ; Ross JS; Modic MT; et al, *AJNR* 1988; 9: 351
- imaging of degenerative disk disease, Modic MT; Masaryk TJ; Ross JS; Carter JR, *Radiology* 1988; 168: 177
- intradural disc herniation with vacuum phenomenon: CT diagnosis, Anda S; Dale LG; Vassal J, *Neuroradiol* 1987; 29: 407
- intradural herniated cervical disc: case report and review of the literature, Eisenberg RA; Bremer AM; Northup HM, *AJNR* 1986; 7: 492
- intradural herniation of thoracic disc: CT metrizamide myelography, Wang A-M; Zamani AA, *Comput Radiol* 1986; 10: 115
- intradural lumbar disk herniation, Graves VB; Finney HL; Mailander J, *AJNR* 1986; 7: 495
- lumbar disk disease evaluated by myelography and postmyelography spinal computed tomography, Ketonen L; Gyldested C, *Neuroradiol* 1986; 28: 144
- lumbar disk herniation: diagnosis with CT or myelography?, Schipper J; Kardaun JWP; Braakman R; van Dongen KJ; Blaauw G, *Radiology* 1987; 165: 227
- lumbar diskography, Scullin DR, *Radiology* 1987; 162: 284
- lumbar diskography, Milette PC; Melanson D, *Radiology* 1987; 163: 828
- lumbar hernia: diagnosis by CT, Baker ME; Weinert JL; Andriani RT; et al, *AJR* 1987; 148: 565
- lumbar herniated disk and related topics, Lukin RR; Gaskill MF; Wiot JG, *Semin Roentgenol* 1988; 23: 828
- lumbar posterior marginal intra-osseous cartilaginous node, Laredo J-D; Bard M; Chretien J; et al, *Skeletal Radiol* 1986; 15: 201
- lumbar spine after surgery: examination with intravenous contrast-enhanced CT, Firooznia H; Kricheff II; Rafii M; Golimbu C, *Radiology* 1987; 163: 221
- lumbar spine: postoperative assessment with surface-coil MR imaging, Ross JS; Masaryk TJ; Modic MT; Bohlman H; Delamater R; Wilber G, *Radiology* 1987; 164: 851
- lumbar spine: postoperative MR imaging with Gd-DTPA, Hueftle MG; Modic MT; Ross JS; Masaryk TJ; Carter JR; Wilber RG; Bohlman HH; Steinberg PM; Delamater RB, *Radiology* 1988; 167: 817
- magnetic resonance imaging in non-specific discitis, Forster A; Pothmann R; Winter K; et al, *Pediatr Radiol* 1987; 17: 162
- magnetic resonance imaging of degenerative disk disease of the spine, Lee SH; Coleman PE; Hahn FJ, *Radiol Clin North Am* 1988; 26: 949
- man-in-the-barrel syndrome: first CT images, Delavelle J; Lalanne B; Megret M, *Neuroradiol* 1987; 29: 501
- measured height of the lumbosacral disc in patients with and without transitional vertebrae, Nicholson AA; Roberts GM; Williams LA, *Br J Radiol* 1988; 61: 454
- measure-set computed tomographic analysis of internal architectures of lumbar disc: clinical and histologic studies, Bahk YW; Lee JM, *Invest Radiol* 1988; 23: 17
- migratory lumbar disk herniation: computerized tomography and surgery, Krause D; Maitrot D; Veillon F; et al, *J Neuroradiol* 1987; 14: 39
- MR imaging of calcified herniated thoracic disk, Roosen N; Dietrich U; Nicola N; et al, *JCAT* 1987; 11: 733
- MR imaging of intradural disk herniation, Holtas S; Nordstrom C-H; Larsson E-M; et al, *JCAT* 1987; 11: 353
- MR imaging of marrow changes adjacent to end plates in degenerative lumbar disk disease, de Roos A; Kressel H; Spritzer C; et al, *AJR* 1987; 149: 531
- MR imaging of the spine, Houghton VM, *Radiology* 1988; 166: 297
- MR imaging of thoracic disk herniations, Francavilla TL; Powers A; Dina T; et al, *JCAT* 1987; 11: 1062
- multilevel thoracic disk herniations: CT and MR studies, Alvarez O; Roque CT; Pampati M, *JCAT* 1988; 12: 649
- neuropathic spinal arthropathy: CT and MR findings, Kapila A; Lines M, *JCAT* 1987; 11: 736
- normal and degenerative posterior spinal structures: MR imaging, Grenier N; Kressel HY; Schiebler ML; Grossman RJ; Dalinka MK, *Radiology* 1987; 165: 517
- nucleolysis and diskography—an experimental study on interaction of chymopapain and contrast medium, Bien S; Schumacher M; Detmar M, *Neuroradiol* 1987; 29: 483
- potential false-negative MR images of the thoracic spine in disk disease with switching of phase- and frequency-encoding gradients, Enzmann DR; Griffin C; Rubin JB, *Radiology* 1987; 165: 635
- progressive and regressive changes in the nucleus pulposus: part I. the neonate, Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Houghton VM, *Radiology* 1988; 169: 87
- progressive and regressive changes in the nucleus pulposus: part II. the adult, Yu S; Houghton VM; Ho PSP; Sether LA; Wagner M; Ho K-C, *Radiology* 1988; 169: 93
- pyogenic spondylodiscitis without disc space collapse, Fontaine S; Dumas J-M; Brassard R; et al, *J Canad Assoc Radiol* 1987; 38: 129
- radiography of the hyperextended lumbar spine: an effective technique for the demonstration of discal vacuum phenomena, Goobar JE; Pate D; Resnick D; et al, *J Canad Assoc Radiol* 1987; 38: 271
- radiology of posterior lumbar apophyseal ring fractures: report of 13 cases, Dietmann JL; Runge M; Badoz A; et al, *Neuroradiol* 1988; 30: 337
- reappraisal of the diagnosis in cervical disc disease: posterior longitudinal ligament perforated or not, Ito T; Iwasaki Y; Miyasaka K; et al, *Neuroradiol* 1986; 28: 215
- recognition of gas-containing disc herniation on lateral CT-scoutview, Kaiser MC; Capesius P; Veiga-Pires JA; et al, *Neuroradiol* 1987; 29: 98
- recurrent postdiskectomy low back pain: MR-surgical correlation, Hochhauser L; Kieffer SA; Cacayorin ED; et al, *AJNR* 1988; 9: 769
- roentgenographic findings following anterior cervical fusion, Gore DR; Gardner GM; Sepic SB; et al, *Skeletal Radiol* 1986; 15: 556
- role of diskography after negative postmyelography CT scans: retrospective review, Abdelwahab IF; Gould ES, *AJNR* 1988; 9: 187
- role of diskography in the 1980s, Errico TJ, *Radiology* 1987; 162: 285
- sonographic demonstration of lumbar disc herniation, Ebner F; Tolly E; Kopp W, *J Ultrasound Med* 1986; 5: 193
- spine: changes in T2 relaxation times from disuse, LeBlanc AD; Schonfeld E; Schneider VS; Evans HJ; Taber KH, *Radiology* 1988; 169: 105
- spondylitis-spondylodiscitis, pathological-anatomical morphology and diagnostic problems, (ab), Adler C-P, *Radiology* 1986; 158: 570
- tears of the annulus fibrosus: correlation between MR and pathologic findings in cadavers, Yu S; Sether LA; Ho PSP; et al, *AJNR* 1988; 9: 367
- thoracic disk herniation, Chambers AA, *Semin Roentgenol* 1988; 23: 111
- thoracic disk herniation: MR imaging, Ross JS; Perez-Reyes N; Masaryk TJ; Bohlman H; Modic MT, *Radiology* 1987; 165: 511
- thoracic disk herniation: MR imaging, Williams MP; Cherryman GR, *Radiology* 1988; 167: 874
- thoracic disk herniation: MR imaging: reply, Ross JS, *Radiology* 1988; 167: 875
- traction osteophytes of the lumbar spine: radiographic-pathologic correlation, Pate D; Goobar J; Resnick D; Haghighi P; Sartoris DJ; Pathria MN, *Radiology* 1988; 166: 843
- value of supplemental prone position scans for CT evaluation of herniated disc, Nov AA, *J Neuroradiol* 1988; 15: 85
- who has most epidural fat? information from computed tomography, Dixon AK, *Br J Radiol* 1986; 59: 475

Spine, lymphoma

- infection versus tumor in the spine: criteria for distinction with CT, Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SI; Brown JJ; Zlatkin M; Sartoris DJ; Chevrot A; Resnick CS; Resnick D, *Radiology* 1988; 166: 851

Spine, mineralization

- accuracy of lumbar spine bone mineral content by dual photon absorptiometry, Gotfredsen A; Pödenphant J; Nørgaard H; et al, *J Nucl Med* 1988; 29: 248
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: comparison of measurement methods, Reinbold W-D; Genant HK; Reiser UJ; Harris ST; Ettinger B, *Radiology* 1986; 160: 469
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women, Mazess RB, *Radiology* 1987; 163: 289
- bone mineral content in early-postmenopausal and postmenopausal osteoporotic women: reply, Genant HK, *Radiology* 1987; 165: 290
- bone mineral measurement in the human spine using computed tomography, Scalzetti EM; Bassano DA, *Invest Radiol* 1986; 21: 858
- C.T. measurement of spinal mineral—initial Australian experience using the U.C.S.F. phantom, Alcock MK; Tucker WG; Higgins BA; et al, *Australas Radiol* 1988; 32: 276
- modified method of spinal computed tomography for trabecular bone mineral measurements, Banks LM; Stevenson JC, *JCAT* 1986; 10: 463
- noninvasive bone densitometry: the need for cooperation and respect in research, Sartoris DJ, *Radiology* 1988; 166: 902
- precision error in dual-photon absorptiometry related to source age, Ross PD; Wanich RD; Vogel JM, *Radiology* 1988; 166: 523
- rate of spinal trabecular bone loss in normal perimenopausal women: CT measurement, Firooznia H; Golimbu C; Rafii M; Schwartz MS, *Radiology* 1986; 161: 735
- trabecular mineral content of the spine in women with hip fracture: CT measurement, Firooznia H; Rafii M; Golimbu C; Schwartz MS; Ori P, *Radiology* 1986; 159: 737
- validity of dual-photon absorptiometry, Glüer C-C; Steiger P; Genant HK, *Radiology* 1988; 166: 574
- vertebral bone density in children: effect of puberty, Gilsanz V; Gibbens DT; Roe TF; Carlson M; Senac MO; Boechat MJ; Huang HK; Schulz EE; Libanati CR; Cann CC, *Radiology* 1988; 166: 847
- vertebral bone mineral measurement using dual photon absorptiometry and computer tomography, Eriksson S; Isberg B; Lindgren U, *Acta Radiol* 1988; 29: 89
- vertebral mineral determination by quantitative computed tomography (QCT): accuracy of single and dual energy measurements, Glüer C-C; Reiser UJ; Davis CA; et al, *JCAT* 1988; 12: 242
- vertebral mineralization after parathyroidectomy: measurement by quantitative CT, Scalzetti EM; Levinsohn EM; Numann P; et al, *AJR* 1988; 151: 533
- vertebral trabecular bone: comparison of single and dual-energy CT measurements with chemical analysis, Burgess AE; Colborne B; Zoffmann E, *JCAT* 1987; 11: 506

Spine, MR studies

- acute cervical spine trauma: evaluation with 1.5-T MR imaging, Mirvis SE; Geisler FH; Jelinek JJ; Joslyn JN; Gellad F, *Radiology* 1988; 166: 807
- asymptomatic degenerative disk disease and spondylosis of the cervical spine: MR imaging, Teresi LM; Lufkin RB; Reicher MA; Moffitt BJ; Vinuela FV; Wilson GM; Benton JR; Hanafee WN, *Radiology* 1987; 164: 83
- bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M, *Radiology* 1987; 165: 541
- cervical kyphosis in diastrophic dwarfism: CT and MR findings, Kreck J; Starshak RJ, *Pediatr Radiol* 1987; 17: 321
- cervical nerves and foramina: local-coil MR imaging, Daniels DL; Hyde JS; Kneeland JB; et al, *AJNR* 1986; 7: 129
- cervical radiculopathy: value of oblique MR imaging, Modic MT; Masaryk TJ; Ross JS; Mulopulos GP; Bundschuh CV; Bohlman H, *Radiology* 1987; 163: 227
- cervical rheumatoid arthritis: value of flexion and extension views in imaging, Reynolds H; Carter SW; Murtagh FR; Silbiger M; Reichtine GR, *Radiology* 1987; 164: 215
- cervical spine anatomy and pathologic processes: applications of new MR imaging techniques, Czervionke LF; Daniels DL, *Radiol Clin North Am* 1988; 26: 921
- cervical spine involvement in rheumatoid arthritis: MR imaging, Aisen AM; Martel W; Ellis JH; McCune WJ, *Radiology* 1987; 165: 159
- cervical spine MR imaging using multislice gradient echo imaging: comparison with cardiac gated spin echo, Kulkarni MV; Narayana PA; McArdle CB; et al, *Magn Res Imag* 1988; 6: 517
- cervical spine: MR imaging with a partial flip angle, gradient-refocused pulse sequence: part I. general considerations and disk disease, Enzmann DR; Rubin JB, *Radiology* 1988; 166: 467
- chemonucleation and changes observed on lumbar MR scan: preliminary report, Huckman MS; Clark JW; McNeill TW; et al, *AJNR* 1987; 8: 1
- childhood scoliosis: MR imaging, Nokes SR; Murtagh FR; Jones JD III; Downing M; Arrington JA; Turetsky D; Silbiger ML, *Radiology* 1987; 164: 791
- chordomas: MR imaging, Sze G; Uichanco LS III; Brant-Zawadzki MN; Davis RL; Gutin PH; Wilson CB; Norman D; Newton TH, *Radiology* 1988; 166: 187
- comparative study of magnetic resonance imaging and computed tomography-assisted myelography in spinal dysraphism, Jaspas T; Worthington BS; Holland IM, *Br J Radiol* 1988; 61: 445
- comparison of T1 and T2 weighted images of the lumbar spine, Moffitt B; Reicher M; Lufkin RB; et al, *Comput Med Imag Graph* 1988; 12: 271
- CSF-gated MR imaging of the spine: theory and clinical implementation, Rubin JB; Enzmann DR; Wright A, *Radiology* 1987; 163: 784
- CT/MR spectrum of far lateral and anterior lumbosacral disk herniations, Osborn AG; Hood RS; Snerry RG; et al, *AJNR* 1988; 9: 775
- degenerative disk disease: assessment of changes in vertebral body marrow with MR imaging, Modic MT; Steinberg PM; Ross JS; Masaryk TJ; Carter JR, *Radiology* 1988; 166: 193
- degenerative lumbar disk disease: pitfalls and usefulness of MR imaging in detection of vacuum phenomenon, Grenier N; Grossman RI; Schiebler ML; Yeager BA; Goldberg HI; Kressler H, *Radiology* 1987; 164: 861
- disc calcification in childhood: computed tomographic and magnetic resonance imaging appearances, McGregor JC; Butler P, *Br J Radiol* 1986; 59: 180
- disc space infection in children: magnetic resonance imaging, Heller RM; Szalay EA; Green NE; et al, *Radiol Clin North Am* 1988; 26: 207
- diskogenic vertebral sclerosis: MR imaging, Sobel DF; Zyffroff J; Thorne RP, *JCAT* 1987; 11: 855
- disk processes in MR, Heller H; Braitering S; Petsch R; et al, *Eur J Radiol* 1986; 6: 59
- early diagnosis of spinal-epidural metastasis by magnetic resonance imaging, (ab), Sarpel S; Sarpel G; Yu E; et al, *Radiology* 1987; 164: 887
- early diagnosis of spinal metastases by CT and MR studies, Colman LK; Porter BA; Redmond J III; et al, *JCAT* 1988; 12: 423
- effects of chemonucleolysis demonstrated by MR imaging, Masaryk TJ; Boumphey F; Modic MT; et al, *JCAT* 1986; 10: 917
- enterogenous cyst of cervical spine: clinical and radiological aspects (including CT and MRI), Aoki S; Machida T; Sasaki Y; et al, *Neuroradiol* 1987; 29: 291
- eosinophilic granuloma of the spine: MR demonstration, Hagstrom JA; Brown JC; Marsh PW, *JCAT* 1988; 12: 344
- epidural fibrosis and recurrent disk herniation in the lumbar spine: MR imaging assessment, Bundschuh CV; Modic MT; Ross JS; et al, *AJNR* 1988; 9: 169

- facet joint menisci of the cervical spine: correlative MR imaging and cryomicrotomy study, Yu S; Sether L; Haughton VM, *Radiology* 1987; 164: 79
- focal fat deposition in axial bone marrow: MR characterization, Hajek PC; Baker LL; Goobar JE; Sartoris DJ; Hesselink JR; Haghighi P; Resnick D, *Radiology* 1987; 162: 245
- FRODO pulse sequences: a new means of eliminating motion, flow, and wraparound artifacts, Edelman RR; Atkinson DJ; Silver MS; Loiaza FL; Warren WS, *Radiology* 1988; 166: 231
- gadolinium-DTPA-enhanced MR imaging of spinal neoplasms: preliminary investigation and comparison with unenhanced spin-echo and STIR sequences, Stimac GK; Porter BA; Olson DO; et al, *AJNR* 1988; 9: 839
- gadolinium-DTPA in spinal disease, Sze G, *Radiol Clin North Am* 1988; 26: 1009
- gadolinium-DTPA in the evaluation of intradural extramedullary spinal disease, Sze G; Abramson A; Krol G; et al, *AJNR* 1988; 9: 153
- gradient echo (GRASS) MR imaging in cervical radiculopathy, Hedberg MC; Drayer BP; Flom RA; et al, *AJNR* 1988; 9: 145
- high field, thin section nuclear magnetic resonance imaging of the cervical spine, Dee GJ; Bello JA; Hilal SK, *Cardiovasc Intervent Radiol* 1986; 8: 283
- high resolution MRI: imaging anatomy of the lumbosacral spine, Clarke LP; Schnitzlein HN; Murtagh FR; et al, *Magn Res Imag* 1986; 4: 515
- high-resolution MR imaging of sequestered lumbar intervertebral disks, Masaryk TJ; Ross JS; Modic MT; et al, *AJNR* 1988; 9: 351
- high resolution surface coil magnetic resonance imaging of the spine: normal and pathologic anatomy, Berger PE; Atkinson D; Wilson WJ; Wilts L, *Radiographics* 1986; 6: 573
- imaging of degenerative disk disease, Modic MT; Masaryk TJ; Ross JS; Carter JR, *Radiology* 1988; 168: 177
- imaging spinal osteomyelitis and epidural abscess with short T1 inversion recovery (STIR), Bertino RE; Porter BA; Stimac GK; et al, *AJNR* 1988; 9: 563
- imaging strategies for MR of the spine, Hyman RA; Gorey MT, *Radiol Clin North Am* 1988; 26: 505
- impact of magnetic resonance on the diagnostic evaluation of acute cervicothoracic spinal trauma, Goldberg AL; Rothfus WE; Deeb ZL; et al, *Skeletal Radiol* 1988; 17: 89
- impact of MR imaging on clinical diagnosis and management: prospective study, Franken EA Jr; Berbaum KS; Dunn V; Smith WL; Ehrhardt JC; Levitz GS; Breckenridge RE, *Radiology* 1986; 161: 377
- increased sensitivity of magnetic resonance imaging compared to radionuclide bone scintigraphy in the detection of lymphoma of the spine, Weaver GR; Sandler MP, *Clin Nucl Med* 1987; 12: 333
- intradural disease of the spine: diagnosis using gadolinium-DTPA-enhanced MR imaging, Sze G; Krol G; Zimmerman RD; et al, *AJNR* 1988; 9: 847
- in vitro ¹H NMR "mapping" of human intervertebral discs, Furo I; Bobest M; Pocsik I; et al, *Magn Res Med* 1986; 3: 146
- iophendylate (Pantopaque) and MR imaging of the spine, Anand AK; Halthore SN; Wani S, *Comput Radiol* 1987; 11: 165
- lumbar spine: motion compensation for cerebrospinal fluid on MR imaging, Rubin JB; Wright A; Enzmann DR, *Radiology* 1988; 167: 225
- lumbar spine: postoperative assessment with surface-coil MR imaging, Ross JS; Masaryk TJ; Modic MT; Bohlman H; Delamater R; Wilber G, *Radiology* 1987; 164: 851
- lumbar spine: postoperative MR imaging with Gd-DTPA, Hueftle MG; Modic MT; Ross JS; Masaryk TJ; Carter JR; Wilber RG; Bohlman H; Steinberg PM; Delamater RB, *Radiology* 1988; 167: 817

- magnetic resonance imaging in non-infective destructive spondyloarthropathy, Patel B; Mistry CD; Kumar EN; et al, *Br J Radiol* 1988; 61: 511
- magnetic resonance imaging in non-specific discitis, Forster A; Pothmann R; Winter K; et al, *Pediatr Radiol* 1987; 17: 162
- magnetic resonance imaging in occult spinal dysraphism, Roos RAC; Vielvoje GJ; Voormolen JHC; et al, *Pediatr Radiol* 1986; 16: 412
- magnetic resonance imaging in the evaluation of patients with rheumatoid arthritis and subluxations of the cervical spine, (ab), Breedveld FC; Algra PR; Vielvoje GJ; et al, *Radiology* 1987; 165: 886
- magnetic resonance imaging of bone after radiation, Remedios PA; Colletti PM; Raval JK; et al, *Magn Res Imag* 1988; 6: 301
- magnetic resonance imaging of degenerative disk disease of the spine, Lee SH; Coleman PE; Hahn FJ, *Radiol Clin North Am* 1988; 26: 949
- magnetic resonance imaging of intraspinal epidermoid cyst: case report, Phillips J; Chiu L, *CT* 1987; 11: 181
- magnetic resonance imaging of multiple spinal neurofibromata—neurofibromatosis, Lewis TT; Kingsley DPE, *Neuroradiol* 1987; 29: 562
- magnetic resonance imaging of the brain and spine: is clinical efficacy established after the first decade?, (ab), Kent DL; Larson EB, *Radiology* 1988; 169: 589
- magnetic resonance imaging of the craniocervical junction, Lufkin RB; Vinuela F; Benton JR; et al, *Comput Med Imag Graph* 1988; 12: 281
- magnetic resonance imaging of the lower vertebral column in patients with multiple myeloma, Fruehwald FXJ; Tscholokoff D; Schwaighofer B; et al, *Invest Radiol* 1988; 23: 193
- magnetic resonance imaging of the pediatric spine, Walker HS; Dietrich RB; Flannigan BD; Lufkin RB; Peacock WJ; Kangaroo H, *Radiographics* 1987; 7: 1029
- magnetic resonance imaging of the spine, Modic MT; Masaryk TJ; Paushter DM, *Radiol Clin North Am* 1986; 24: 229
- magnetic resonance imaging of the spine in children, (ab), Bale JF Jr; Bell WE; Dunn V; et al, *Radiology* 1987; 163: 295
- malignant extradural spinal tumors: MR imaging with Gd-DTPA, Sze G; Krol G; Zimmerman RD; Deck MDF, *Radiology* 1988; 167: 217
- mimicker of a postoperative spinal mass: Gelfoam in a laminectomy site, Dubin LM; Quencer RM; Green BA, *AJNR* 1988; 9: 217
- motion artifacts in brain and spine MR, Hinks RS; Quencer RM, *Radiol Clin North Am* 1988; 26: 737
- MR characteristics of iophendylate (Pantopaque), Hackney DB; Grossman RI; Zimmerman RA; et al, *JCAT* 1986; 10: 401
- MR imaging characteristics of a neurenteric cyst, Ceremita GK; Russell EJ; Clasen RA, *AJNR* 1988; 9: 978
- MR imaging of anterior sacral meningocele, Martin B; Boyer de Latour F, *JCAT* 1988; 12: 166
- MR imaging of a spinal teratoma, Monajati A; Spitzer RM; Wiley JL; et al, *JCAT* 1986; 10: 307
- MR imaging of calcified herniated thoracic disk, Roosen N; Dietrich U; Nicola N; et al, *JCAT* 1987; 11: 733
- MR imaging of hemorrhagic conditions of the head and neck, Grossman RI; Gomori JM; Goldberg HJ; Hackney DB; Atlas SW; Kemp SS; Zimmerman RA; Bilaniuk LT, *Radiographics* 1988; 8: 441
- MR imaging of intradural disk herniation, Holtas S; Nordstrom C-H; Larsson E-M; et al, *JCAT* 1987; 11: 353
- MR imaging of intraspinal extension of neuroblastoma, Siegel MJ; Jamroz GA; Glazer HS; et al, *JCAT* 1986; 10: 593
- MR imaging of recent spinal trauma, Tarr RW; Drolshagen LF; Kerner TC; et al, *JCAT* 1987; 11: 412
- MR imaging of spinal dysraphism, Altman NR; Altman DH, *AJNR* 1987; 8: 533
- MR imaging of spinal epidural sepsis, Angtuaco EJC; McConnell JR; Chadduck WM; et al, *AJNR* 1987; 8: 879
- MR imaging of the acutely injured patient with cervical traction, McArdle CB; Wright JW; Prevost WJ; Dorfner DJ; Amparo EG, *Radiology* 1986; 159: 273
- MR imaging of the cervical spine in rheumatoid arthritis, Pettersson H; Larsson EM; Holtas S; et al, *AJNR* 1988; 9: 573
- MR imaging of the cervical spine: neurovascular anatomy, Flannigan BD; Lufkin RB; McGlade C; et al, *AJNR* 1987; 8: 27
- MR imaging of the lumbar spine: anatomic correlations and the effects of technical variations, Reicher MA; Gold RH; Halbach VV; et al, *AJR* 1986; 147: 891
- MR imaging of the spine, Houghton VM, *Radiology* 1988; 166: 297
- MR imaging of the spine in children, Duthoy MJ; Lund G, *Eur J Radiol* 1988; 8: 188
- MR imaging of thoracic disk herniations, Francavilla TL; Powers A; Dina T; et al, *JCAT* 1987; 11: 1062
- MR imaging of unusual chordomas, Yuh WTC; Flickinger FW; Barloon TJ; et al, *JCAT* 1988; 12: 30
- MR imaging with Gd-DTPA in leptomeningeal spread of lymphoma, Berns DH; Blaser S; Ross JS; et al, *JCAT* 1988; 12: 499
- MRI of tuberculous spondylitis, de Roos A; van Persijn van Meerten Els L; Bloem JL; et al, *AJR* 1986; 147: 79
- MR of intramedullary spinal cysticercosis, Castillo M; Quencer RM; Post MJD, *AJNR* 1988; 9: 393
- multilevel thoracic disk herniations: CT and MR studies, Alvarez O; Roque CT; Pampati M, *JCAT* 1988; 12: 649
- myelopathic cervical spondylotic lesions demonstrated by magnetic resonance imaging, (ab), Al-Mefty O; Harkey LH; Middleton TH; et al, *Radiology* 1988; 169: 590
- neuropathic spinal arthropathy: CT and MR findings, Kapila A; Lines M, *JCAT* 1987; 11: 736
- normal and degenerative posterior spinal structures: MR imaging, Grenier N; Kressel HY; Schiebler ML; Grossman RI; Dalinka MK, *Radiology* 1987; 165: 517
- oblique plane MR imaging of the cervical spine, Yenerich DO; Houghton VM, *JCAT* 1986; 10: 823
- optimizing conventional MR imaging of the spine, Rubin JB; Enzmann DR, *Radiology* 1987; 163: 777
- Pantopaque mimicking spinal lipoma: MR pitfall, Suojanen J; Wang A-M; Winston KR, *JCAT* 1988; 12: 346
- postoperative cervical spine: MR assessment, Ross JS; Masaryk TJ; Modic MT, *JCAT* 1987; 11: 955
- preoperative evaluation of cervical radiculopathy and myelopathy by surface-coil MR imaging, Brown BM; Schwartz RH; Frank E; et al, *AJNR* 1988; 9: 859
- progressive and regressive changes in the nucleus pulposus: part I. the neonate, Ho PSP; Yu S; Sether LA; Wagner M; Ho K-C; Houghton VM, *Radiology* 1988; 169: 87
- progressive and regressive changes in the nucleus pulposus: part II. the adult, Yu S; Houghton VM; Ho PSP; Sether LA; Wagner M; Ho K-C, *Radiology* 1988; 169: 93
- pseudotumor of the craniocervical junction associated with chronic subluxation: MR imaging studies, Sze G; Brant-Zawadzki M; Wilson CR; Norman D; Newton TH, *Radiology* 1986; 161: 391
- recurrent postdiskectomy low back pain: MR-surgical correlation, Hochhauser L; Kieffer SA; Cacayorin ED; et al, *AJNR* 1988; 9: 769
- rheumatoid arthritis of the cervical spine: surface-coil MR imaging, Bundschuh CV; Modic MT; Kearney F; et al, *AJNR* 1988; 9: 565
- role of MR imaging in evaluating metastatic spinal disease, Smoker WRK; Godersky JC; Knutson RK; et al, *AJNR* 1987; 8: 901
- selective three-dimensional MR imaging of the spine, Gallimore GW Jr; Harms SE, *JCAT* 1987; 11: 124
- spinal abnormalities in pediatric patients: MR imaging findings compared with clinical, myelographic, and surgical findings, Davis PC; Hoffman JC Jr; Ball TL; Wyly JB; Braun IF; Fry SM; Drvaric DM, *Radiology* 1988; 166: 679
- spinal and paraspinous neurofibromatosis: surface coil MR imaging at 1.5 T, Burk DL Jr; Brunberg JA; Kanal E; Latchaw RE; Wolf GL, *Radiology* 1987; 162: 797
- spinal epidural hematoma visualized by magnetic resonance imaging, Bernsen PLJA; Haan J; Vielvoje GJ; et al, *Neuroradiol* 1988; 30: 280
- spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, *Radiology* 1988; 169: 765
- spinal MR imaging: multiplanar representation from a single high resolution 3D acquisition, Sherry CS; Harms SE; McCroskey WK, *JCAT* 1987; 11: 859
- spinal subarachnoid tumor seeding from intracranial metastasis: MR findings, Barloon TJ; Yuh WTC; Yang CJC; et al, *JCAT* 1987; 11: 242
- spine: changes in T2 relaxation times from disease, LeBlanc AD; Schonfeld E; Schneider VS; Evans HJ; Taber KH, *Radiology* 1988; 169: 105
- spine: device to facilitate surface coil MR imaging, Williamson MR; Angtuaco EJC; Jackson JC; Pruitt WB, *Radiology* 1988; 167: 273
- spondyloarthropathy of the cervical spine in long-term hemodialysis, Rafto SE; Dalinka MK; Schiebler ML; Burk DL Jr; Kricun ME, *Radiology* 1988; 166: 201
- straight and narrow path to good head and spine MRI, Runge VM; Wood ML; Kaufman DM; Traill MR; Nelson KL, *Radiographics* 1988; 8: 507
- subacute osteoporotic compression fracture: misleading magnetic resonance appearance, Frager D; Elkin C; Swerdlow M; et al, *Skeletal Radiol* 1988; 17: 123
- surface coil assembly with switchable field of view, Arakawa M; Krasnor S; Fehn J; McCarten B; Kaufman L, *Radiology* 1987; 164: 872
- surface coil MR of spinal trauma: preliminary experience, McArdle CB; Crofford MJ; Mirfakhraee M; et al, *AJNR* 1986; 7: 885
- surface coil with variable geometry: a new tool for MR imaging of the spine, Requaert H; Offermann J; Kess H; Krause N; Weber H, *Radiology* 1987; 165: 574
- table-top support plate for imaging the entire spine with surface-coil MR, Krol G; Sze G; Amster J, *AJNR* 1988; 9: 396
- tears of the annulus fibrosus: correlation between MR and pathologic findings in cadavers, Yu S; Sether LA; Ho PSP; et al, *AJNR* 1988; 9: 367
- technical aspects on magnetic resonance imaging of the spine at 1.5 tesla, Holtas SL; Plewes DB; Simon JH; et al, *Acta Radiol* 1987; 28: 375
- thoracic disk herniation: MR imaging, Ross JS; Perez-Reyes N; Masaryk TJ; Bohman H; Modic MT, *Radiology* 1987; 165: 511
- thoracic disk herniation: MR imaging, Williams MP; Cherryman GR, *Radiology* 1988; 167: 874
- thoracic disk herniation: MR imaging: reply, Ross JS, *Radiology* 1988; 167: 875
- thoracic spinal metastasis from unexpected cerebellar medulloblastoma: value of MRI, Wang A-M; Jolesz F; Rumbaugh CL; et al, *Comput Radiol* 1986; 4: 161
- truncation artifact in MR images of the intervertebral disk, Breger RK; Czervionke LF; Kass EG; et al, *AJNR* 1988; 9: 825
- tumors of the osseous spine: staging with MR imaging versus CT, Beltran J; Noto AM; Chakares DW; Christoforidis AJ, *Radiology* 1987; 162: 565
- vertebral hemangiomas: MR imaging, Ross JS; Masaryk TJ; Modic MT; Carter JR; Mapstone T; Dengel FH, *Radiology* 1987; 165: 165
- Spine, necrosis
- gas in the psoas muscle secondary to an intravertebral vacuum cleft: CT characteristics, Van Bockel SR; Mindelzun RE, *JCAT* 1987; 11: 913

Spine, neoplasms

See Spine, primary neoplasms; Spine, secondary neoplasms

Spine, primary neoplasms

- about one case of vertebral chondroblastoma, Hoeffel JC; Brasse F; Schmitt M; et al, *Pediatr Radiol* 1987; 17: 392
- bone marrow diseases of the spine: differentiation with T1 and T2 relaxation times in MR imaging, Sugimura K; Yamasaki K; Kitagaki H; Tanaka Y; Kono M, *Radiology* 1987; 165: 541
- case report 351, Abdelwahab IF; Frankel VH; Klein MJ, *Skeletal Radiol* 1986; 15: 164
- case report 357, Abdelwahab IF; O'Leary PF; Steiner GC; et al, *Skeletal Radiol* 1986; 15: 242
- chordoma: role of radiation therapy, Amendola BE; Amendola MA; Oliver E; McClatchey KD, *Radiology* 1986; 158: 839
- computed tomography of spinal chordomas, Firooznia H; Colimbu C; Rafii M; et al, *CT* 1986; 10: 45
- CT findings in paravertebral synovial sarcoma, Treu EBWM; de Slegte RGM; Golding RP; et al, *JCAT* 1986; 10: 460
- ependymoma of filum terminale: metrizamide-enhanced CT evaluation, Wang A-M; Lin JCT; Haykal HA; et al, *Comput Radiol* 1986; 4: 239
- expansile bone lesions of the vertebra, Kumar R; Quinto FC Jr; Madewell JE; David R; Shirkhoda A, *Radiographics* 1988; 8: 749
- focal uptake on bone imaging in an asymptomatic Schmorl's node, Kagen S; Rafii M; Kramer EL, *Clin Nucl Med* 1988; 13: 615
- giant cell tumor of the spine: computed tomography appearance and review of the literature, Bidwell JK; Young JWR; Khalil E, *CT* 1987; 11: 307
- giant cell tumors of bone: treatment with radiation therapy, Seider MJ; Rich TA; Ayala AG; Murray JA, *Radiology* 1986; 161: 537
- Hodgkin's disease of the spine: computed tomography and magnetic resonance imaging, Mikhael MA; Paige ML, *CT* 1987; 11: 174
- impact of MR imaging on clinical diagnosis and management: prospective study, Frankel EA Jr; Berbaum KS; Dunn V; Smith WL; Ehrhardt JC; Levitz GS; Breckenridge RE, *Radiology* 1986; 161: 377
- increased sensitivity of magnetic resonance imaging compared to radionuclide bone scintigraphy in the detection of lymphoma of the spine, Weaver GR; Sandler MP, *Clin Nucl Med* 1987; 12: 333
- infection versus tumor in the spine: criteria for distinction with CT, Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SJ; Brown JJ; Zlatkin M; Sartoris DJ; Chevro A; Resnick CS; Resnick D, *Radiology* 1988; 166: 851
- intramedullary disease of the spine: diagnosis using gadolinium-DTPA-enhanced MR imaging, Sze G; Krol G; Zimmerman RD; et al, *AJNR* 1988; 9: 847
- intraosseous lipomas: radiologic and pathologic manifestations, Milgram JW, *Radiology* 1988; 167: 155
- lumbar neurofibromas: CT appearance and differential diagnosis, Lau LSW; Petty PG, *Australas Radiol* 1987; 31: 83
- malignant extradural spinal tumors: MR imaging with Gd-DTPA, Sze G; Krol G; Zimmerman RD; Deck MDF, *Radiology* 1988; 167: 217
- malignant fibrous histiocytoma of the spine: computed tomography appearance and review of the literature, Bidwell JK; Young JWR; Saylor L, *CT* 1987; 11: 355
- MR imaging of a spinal teratoma, Monajati A; Spitzer RM; Wiley JL; et al, *JCAT* 1986; 10: 307
- MR imaging of unusual chordomas, Yuh WTC; Flickinger FW; Barloon TJ; et al, *JCAT* 1988; 12: 30
- MR imaging with Gd-DTPA in leptomeningeal spread of lymphoma, Berns DH; Blaser S; Ross JS; et al, *JCAT* 1988; 12: 499
- osteoid osteoma and osteoblastoma of the spine in children: report of 22 cases with brief literature review, Azouz EM; Kozlowski K; Marton D; et al, *Pediatr Radiol* 1986; 16: 25

- plasmacytoma of the lumbar spine by SPECT, Hartshorne MF; Cawthon MA; Bauman JM, *Clin Nucl Med* 1986; 11: 65
- radiologic staging of primary bone sarcoma: CT, MR imaging, scintigraphy, and angiography correlated with pathologic examination, Bloem JL; Taminiau AHM; Eulderink F; Hermans J; Pauwels EKJ, *Radiology* 1988; 169: 805
- sacroccygeal teratoma: computed tomography evaluation, Chan F-L; Cheng C-S; Tam PK-H; et al, *CT* 1987; 11: 200
- solitary plasmacytoma of the spine (a case report and review of literature), Mohan V; Sabri T; Marklund T; et al, *Australas Radiol* 1988; 32: 272
- spinal and paraspinal neurofibromatosis: surface coil MR imaging at 1.5 T, Burk DL Jr; Brunberg JA; Kanal E; Latchaw RE; Wolf GL, *Radiology* 1987; 162: 797
- spinal chordoma: radiologic features in 14 cases, de Bruine FT; Kroon HM, *AJR* 1988; 150: 861
- spinal epidural lymphomas: CT features in seven patients, Beres J; Pech P; Berns TF; et al, *AJNR* 1986; 7: 327
- spinal extradural angiolipoma: MR and CT diagnosis, Matsumura K; Shinohara Y; Yamamoto M; et al, *JCAT* 1987; 11: 1104
- syringomyelia as a consequence of compressive extramedullary lesions: postoperative clinical and radiological manifestations, Castillo M; Quencer RM; Green BA; et al, *AJNR* 1987; 8: 973
- thoracic chordoma with unusual radiographic features, Brooks M; Kleefeld J; O'Reilly GV; et al, *Comput Radiol* 1987; 11: 85
- tumors of the osseous spine: staging with MR imaging versus CT, Beltran J; Noto AM; Chakres DW; Christoforidis AJ, *Radiology* 1987; 162: 565
- value of enhanced "dynamic" computed tomography in localizing a spinal juxta-articular meningioma: enhanced dynamic CT in localizing a spinal meningioma, Boccardo M; Macchia G; Carloti G; et al, *Neuroradiol* 1987; 29: 313
- vertebral-body collapse in focal and diffuse disease: patterns of pathologic processes, Sartoris DJ; Clopton P; Nemcek A; Dowd C; Resnick D, *Radiology* 1986; 160: 479
- vertebral hemangiomas: MR imaging, Ross JS; Masaryk TJ; Modic MT; Carter JR; Mapstone T; Dengel FH, *Radiology* 1987; 165: 165
- Spine, radiography**
- atlantoaxial distance in patients with Down syndrome: standardization of measurement, Singer SJ; Rubin IL; Strauss KJ, *Radiology* 1987; 164: 871
- cervical spinal stenosis: determination with vertebral body ratio method, Pavlov H; Torg JS; Robie B; Jahre C, *Radiology* 1987; 164: 771
- cervical spinal stenosis: determination with vertebral body ratio method, Chappell BW, *Radiology* 1988; 167: 282
- cervical spinal stenosis: determination with vertebral body ratio method: reply, Pavlov H, *Radiology* 1988; 167: 282
- current status of lumbar diskography, Shapiro R, *Radiology* 1986; 159: 815
- current status of lumbar diskography, Shapter AE, *Radiology* 1986; 161: 853
- current status of lumbar diskography: reply, Shapiro R, *Radiology* 1986; 161: 853
- don't discard diskography, Bernard TN Jr, *Radiology* 1987; 162: 285
- effect of restricting the indications for lumbosacral spine radiography in patients with acute back symptoms, Baker SR; Rabin A; Lantos G; et al, *AJR* 1987; 149: 535
- lumbar diskography, Scullin DR, *Radiology* 1987; 162: 284
- lumbar diskography, Millette PC; Melanson D, *Radiology* 1987; 163: 828
- posterior vertebral body line: importance in the detection of burst fracture, Daffner RH; Deeb ZL; Rothfus WE, *AJR* 1987; 148: 93
- pure thoracolumbar facet dislocation: clinical features and CT appearance, Gellad FE; Levine AM; Joslyn JN; Edwards CC; Bosse M, *Radiology* 1986; 161: 505

- radiographic features of the spine in fluoride therapy for osteoporosis, (ab), Schnitzler CM; Sweet MBE; Blumenfeld TS; et al, *Radiology* 1987; 164: 886
- roentgenographic findings following anterior cervical fusion, Gore DR; Gardner GM; Sepic SB; et al, *Skeletal Radiol* 1986; 15: 556
- role of diskography in the 1980s, Errico TJ, *Radiology* 1987; 162: 285
- scoliosis examinations: organ dose and image quality with rare-earth screen-film systems, Fearon T; Vucich J; Butler P; et al, *AJR* 1988; 150: 359
- spine imaging: history, achievements, remaining frontiers, Hesselink JR, *AJR* 1988; 150: 1223
- Spine, radionuclide studies**
- anatomic and position-induced increased radiopharmaceutical uptake in the cervical spine on bone imaging, Black RR; Fernandez-Ulloa M, *Clin Nucl Med* 1988; 13: 483
- are scintigrams of the spine useful in vertebral osteoporosis?, Hordorn LD; Francis RM; Marshall DH; et al, *Clin Radiol* 1986; 37: 487
- CT and nuclear medicine imaging in vertebral metastases, van Zanen TBG; Teule GJ; Golding RP; et al, *Clin Nucl Med* 1986; 11: 334
- diagnosis of discitis by SPECT technetium-99m MDP scintigram: case report, Swanson D; Blecker I; Gahbauer H; et al, *Clin Nucl Med* 1987; 12: 210
- false-normal bone imaging in spinal tuberculosis, Pui MH; Chin-Sang HB; Rubenstein JD, *Clin Nucl Med* 1986; 11: 245
- focal uptake on bone imaging in an asymptomatic Schmorl's node, Kagen S; Rafii M; Kramer EL, *Clin Nucl Med* 1988; 13: 615
- hematogenous pyogenic vertebral osteomyelitis: diagnostic value of radionuclide bone imaging, Adatepe MH; Powell OM; Isaacs GH; et al, *J Nucl Med* 1986; 27: 1680
- increased sensitivity of magnetic resonance imaging compared to radionuclide bone scintigraphy in the detection of lymphoma of the spine, Weaver GR; Sandler MP, *Clin Nucl Med* 1987; 12: 333
- incidental vertebral lesions identified during technetium-99m sulfur colloid liver-spleen imaging, Shih W-J; Domstad PA; DeLand FH; et al, *Clin Nucl Med* 1986; 11: 585
- leukocyte scanning of inflammatory processes in the spinal column, (ab), Georgi P; Kaps HP; Sinn HJ, *Radiology* 1986; 158: 569
- normal anatomy of the lumbosacral spine and pelvis: a correlation of SPECT and radiographic techniques, Gates GF, *Clin Nucl Med* 1988; 13: 327
- painful pseudarthrosis following lumbar spinal fusion: detection by combined SPECT and planar bone scintigraphy, Slizofski WJ; Collier BD; Flatley TJ; et al, *Skeletal Radiol* 1987; 16: 136
- "photopenic" bone lesion secondary to erector spinae muscle infiltration by breast carcinoma, Eiber AM; Wiener SN, *Clin Nucl Med* 1986; 11: 194
- pinhole collimator scintigraphy in differential diagnosis of metastasis, fracture, and infections of the spine, Bahk YW; Kim OH; Chung SK, *J Nucl Med* 1987; 28: 447
- scintigraphic patterns in osteoid osteoma and spondylolysis, Wells RG; Miller JH; Sty JR, *Clin Nucl Med* 1987; 12: 39
- scintigraphy of persistent vertebral transverse process epiphysis, Mandell GA; Harcze HT, *Clin Nucl Med* 1987; 12: 359
- significance of solitary spine abnormalities on technetium-99m bone imaging, Thivolle P; Mathieu L; Mathieu P; et al, *Clin Nucl Med* 1988; 13: 527
- vertebral "void" on radiological imaging after radiation therapy, Spencer RF; Arrow JR; Kayani N; et al, *Clin Nucl Med* 1988; 13: 303
- Spine, secondary neoplasms**
- bone scan-positive and radiograph- and CT-negative vertebral lesion in a woman with locally advanced breast cancer, Mink JH; Weitz I; Kagan AR; et al, *AJR* 1987; 148: 341

- breast cancer imaging with In-111 human IgM monoclonal antibodies: preliminary studies, Ryar KP; Dillman RO; DeNardo SJ; DeNardo GL; Beauregard J; Hagan PL; Amos DG; Clutter ML; Burnett KG; Rulot CM; Sobol RE; Abramson I; Bartholomew RK; Frincke JM; Birdwell CR; Carlo DJ; O'Grady LF; Halpern SE, *Radiology* 1988; 167: 71
 - CT and nuclear medicine imaging in vertebral metastases, van Zanten TEG; Teule GJJ; Golding RP; et al, *Clin Nucl Med* 1986; 11: 334
 - early diagnosis of spinal-epidural metastasis by magnetic resonance imaging, (ab), Sarpel S; Sarpel G; Yu E; et al, *Radiology* 1987; 164: 887
 - early diagnosis of spinal metastases by CT and MR studies, Colman LK; Porter BA; Redmond J III; et al, *JCAT* 1988; 12: 423
 - incidental vertebral lesions identified during technetium-99m sulfur colloid liver-spleen imaging, Shih W-J; Domstad PA; DeLand FH; et al, *Clin Nucl Med* 1986; 11: 585
 - intraspinal epidermoid tumors caused by lumbar puncture, (ab), McDonald JV; Klump TE, *Radiology* 1987; 163: 592
 - MR imaging of intraspinal extension of neuroblastoma, Siegel MJ; Jamroz GA; Glazer HS; et al, *JCAT* 1986; 10: 593
 - paraganglioma metastatic to the cervical spine, Osborn RE; Mojtahedi S, *Comput Radiol* 1986; 4: 167
 - pinhole collimator scintigraphy in differential diagnosis of metastasis, fracture, and infections of the spine, Bahk YW; Kim OH; Chung SK, *J Nucl Med* 1987; 28: 447
 - risk of intradural spinal metastases in patients with brain metastases from bronchogenic carcinomas, Mirimanoff RO; Choi NC, *Int J Radiat Oncol Biol Phys* 1986; 12: 2131
 - role of MR imaging in evaluating metastatic spinal disease, Smoker WRK; Godersky JC; Knutzen RK; et al, *AJNR* 1987; 8: 901
 - spinal subarachnoid tumor seeding from intracranial metastasis: MR findings, Barloon TJ; Yuh WTC; Yang CJC; et al, *JCAT* 1987; 11: 242
 - thoracic spinal metastasis from unexpected cerebellar medulloblastoma: value of MRI, Wang A-M; Jolesz F; Rumbaugh CL; et al, *Comput Radiol* 1986; 4: 161
- ## Spine, stenosis
- bilateral synovial cysts creating spinal stenosis: CT diagnosis, Conrad MR; Pitkethly DT, *JCAT* 1987; 11: 196
 - CT in low back and sciatic pain due to lumbar canal osseous changes, Rosa M; Capellini C; Canevari MA; et al, *Neuroradiol* 1986; 28: 237
 - developmental stenosis of the cervical spine in children, Starshak RJ; Kass GA; Samarawera RN, *Pediatr Radiol* 1987; 17: 291
 - epidural lipomatosis with lumbar radiculopathy: CT appearance, Randall BC; Muraki AS; Osborn RE; et al, *JCAT* 1986; 10: 1039
 - lumbar spine: postoperative assessment with surface-coil MR imaging, Ross JS; Masaryk TJ; Modic MT; Bohlman H; Delamater R; Wilber G, *Radiology* 1987; 164: 851
- ## Spine, surgery
- automated percutaneous discectomy: initial patient experience: work in progress, Onik G; Maroon J; Helms CA; Schweigel J; Mooney V; Kahanovitz N; Day A; Morris J; McCulloch JA; Reicher MA, *Radiology* 1987; 162: 129
 - intraoperative sonography in spinal surgery: current state of the art, Montalvo BM; Quencer RM, *Neuroradiol* 1986; 28: 551
 - lumbar spine after surgery: examination with intravenous contrast-enhanced CT, Firooznia H; Kricheff II; Rafii M; Colimbu C, *Radiology* 1987; 163: 221
 - lumbar spine: postoperative assessment with surface-coil MR imaging, Ross JS; Masaryk TJ; Modic MT; Bohlman H; Delamater R; Wilber G, *Radiology* 1987; 164: 851
 - lumbar spine: postoperative MR imaging with Gd-DTPA, Hueftle MG; Modic MT; Ross JS; Masaryk TJ; Carter JR; Wilber RG; Bohlman HH; Steinberg PM; Delamater RB, *Radiology* 1988; 167: 817
 - pseudarthrosis following lumbar fusion: detection by direct coronal CT scanning, Chafetz NJ; Cann CE; Morris JM; Steinbach LS; Goldberg HI; Ax L, *Radiology* 1987; 162: 803
 - recurrent postdiscectomy low back pain: MR-surgical correlation, Hochhauser L; Kieffer SA; Cacayorin ED; et al, *AJNR* 1988; 9: 769
 - roentgenographic findings following anterior cervical fusion, Gore DR; Gardner GM; Sepic SB; et al, *Skeletal Radiol* 1986; 15: 556
 - usual appearance of the postoperative lumbar spine, Mall JC; Kaiser JA, *Radiographics* 1987; 7: 245
- ## Spine, therapeutic radiology
- charged particle irradiation of chordoma and chondrosarcoma of the base of skull and cervical spine: the Lawrence Berkeley Laboratory experience, Benion AM; Castro JR; Petti P; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 559
 - giant cell tumors of bone: treatment with radiation therapy, Seider MJ; Rich TA; Ayala AG; Murray JA, *Radiology* 1986; 161: 537
 - magnetic resonance imaging of bone after radiation, Remedios PA; Colletti PM; Raval JK; et al, *Magn Res Imag* 1988; 6: 301
- ## Spine, US studies
- fetal spine, Russ PD; Pretorius DH; Manco-Johnson ML; et al, *Neuroradiol* 1986; 28: 398
 - intraoperative sonography in spinal dysraphism and syringomyelia, Quencer RM; Montalvo BM; Naidich TP; et al, *AJNR* 1987; 8: 329
 - intraoperative sonography in spinal surgery: current state of the art, Montalvo BM; Quencer RM, *Neuroradiol* 1986; 28: 551
 - large lumbar osteophyte: unusual cause of false clinical impression of common iliac artery aneurysm, Schwab H; Cunningham M; Willard D, *J Ultrasound Med* 1986; 5: 595
 - pediatric spinal sonography, part II: malformations and mass lesions, Zieger MM; Dörr U; Schulz RD, *Pediatr Radiol* 1988; 18: 105
 - real-time sonographic display of caudal spinal anomalies, Naidich TP; Radkowski MA; Britton J, *Neuroradiol* 1986; 28: 512
 - sonographic demonstration of lumbar disc herniation, Ebner F; Tolly E; Kopp W, *J Ultrasound Med* 1986; 5: 193
 - sonography of intraoperative spinal arteriovenous malformations, Randel S; Gooding GAW; Dillon WP, *J Ultrasound Med* 1987; 6: 539
 - spinal infection: evaluation with MR imaging and intraoperative US, Post MJD; Quencer RM; Montalvo BM; Katz BH; Eismont FJ; Green BA, *Radiology* 1988; 169: 765
 - spinal ultrasonography: intraoperative and pediatric applications, Rubin JM; DiPietro MA; Chandler WF; et al, *Radiol Clin North Am* 1988; 26: 1
 - transcutaneous sonography of the postoperative spine, Horii SC; Raghavendra BN, *Neuroradiol* 1986; 28: 599
 - ultrasonic anatomy of the normal neonatal and infant spine: correlation with cryomicrotome sections and CT, Gusnard DA; Naidich TP; Yousefzadeh DK; et al, *Neuroradiol* 1986; 28: 493
- ## Spleen
- liver metastases: detection by phase-contrast MR imaging, Stark DD; Wittenberg J; Middleton MS; Ferrucci JT Jr, *Radiology* 1986; 158: 327
 - uptake and dissolution of particulate iodipamide ethyl ester in the spleen: a morphologic study, Lauteala L; Kormanno M; Violante MR, *Invest Radiol* 1987; 22: 829
- ## Spleen, abnormalities
- abdominal crisis with "absent" spleen, Ginsberg F; Szklis JJ; Spencer RF, *Clin Nucl Med* 1987; 12: 328
 - abdominal pain in sickle cell disease: role of CT, Magid D; Fishman EK; Charache S; Siegelman SS, *Radiology* 1987; 163: 325
 - abdominal trauma with leukocytosis and Howell-Jolly bodies: idiopathic functional asplenia, Spencer RF; Grimmond AP; Treschuk-Bahn J, *Clin Nucl Med* 1988; 13: 544
 - accessory spleen: presentation as a large abdominal mass in an asymptomatic young woman, Mostbeck G; Sommer G; Haller J; et al, *Gastrointest Radiol* 1987; 12: 337
 - biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J, *Radiology* 1987; 163: 377
 - case of biliary atresia and polysplenia: evaluation by hepatobiliary scintigraphy, Sullivan RF; Madell SJ; Oates E; et al, *Clin Nucl Med* 1987; 12: 55
 - computed tomography of the polysplenic syndrome in the adult, Vossen PG; van Hedent EF; Degryse HR, *Gastrointest Radiol* 1987; 12: 209
 - congenital spleen thinning mimicking a space-occupying lesion, McCullough RW; Moonan D; Schatz S; et al, *Clin Nucl Med* 1986; 11: 262
 - displaced spleen, Moreno AJ; Spicer MJ; Farnum GD; et al, *Semin Nucl Med* 1986; 16: 216
 - Hodgkin's disease in a patient with polysplenia, Curran JG; Ryan MJ, *Br J Radiol* 1987; 60: 929
 - liver-spleen scan of hepatic cirrhosis in a patient with situs inversus, Stewart CA; Hays TJ, *Clin Nucl Med* 1988; 13: 301
 - multicystic wandering spleen, Siniluoto T; Päivänsalo M; Lohela P, *JCU* 1987; 15: 475
 - noninvasive diagnosis of intrathoracic splenosis using technetium-99m heat-damaged red blood cells, Schiff RG; Leonidas J; Shende A; et al, *Clin Nucl Med* 1987; 12: 785
 - omphalocele and ectopic spleen, Williams JL; Bush D; Wright PG, *JCU* 1987; 15: 409
 - radionuclide angiography of azygos continuation of inferior vena cava in left atrial isomerism (polysplenia syndrome), Roguin N; Lam M; Frenkel A; et al, *Clin Nucl Med* 1987; 12: 708
 - splenosis: ultrasound and CT findings in a case complicated by an intraperitoneal implant traumatic hematoma, Delamarre J; Capron J-P; Drouard F; et al, *Gastrointest Radiol* 1988; 13: 275
 - technetium-99m red blood cell blood-pool imaging in functional asplenia due to leukemic infiltration, Yoo JHK; Orzel JA; Bagnall JW; et al, *Clin Nucl Med* 1986; 11: 493
 - torsion of a wandering spleen, Franic S; Pirani M; Stevenson GW, *J Canad Assoc Radiol* 1988; 39: 232
 - truly wandering spleen, Kinori I; Rifkin MD, *J Ultrasound Med* 1988; 7: 101
 - value of scintigraphy in the evaluation of a wandering spleen, Groshar D; Israel O; Barzilai A; et al, *Clin Nucl Med* 1986; 11: 42
 - wandering spleen, Phillips GWL; Hemingway AP, *Br J Radiol* 1987; 60: 188
- ## Spleen, abscess
- fungus splenic abscesses in the immunosuppressed patient: correlation of imaging modalities, Vasquez TE; Evans DG; Schiffman H; et al, *Clin Nucl Med* 1987; 12: 36
 - hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, *Radiology* 1988; 166: 417
 - interventional radiology in the spleen, Quinn SF; vanSonnenberg E; Casola G; Wittich GR; Neff CC, *Radiology* 1986; 161: 289
 - left upper quadrant pain and intermittent bacteremia, Foster WL Jr; Heinsimer JA; Parrish DE, *Invest Radiol* 1986; 21: 488
 - splenic abscess on ultrasonography, Iko BO, *Eur J Radiol* 1986; 6: 116
 - subacute splenic abscess: appearance on indium-111 leukocyte, gallium-67, and technetium-99m sulfur colloid imaging, Ammann W; Chiu BK; Wright JM, *Clin Nucl Med* 1986; 11: 165

- ultrasound demonstration of amebic splenic abscess, Gupta RK; Pant CS; Ganguly SK, JCU 1987; 15: 555
- wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, Radiology 1988; 169: 578
- wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, Radiology 1988; 169: 579
- Spleen, accessory**
utility of SPECT liver-spleen imaging in the evaluation of a possible accessory spleen, Guze BH; Hawkins R, Clin Nucl Med 1988; 13: 496
- Spleen, biopsy**
aspiration biopsy of the spleen in patients with sarcoidosis, Taavitsainen M; Koivuniemi A; Helminen J; et al, Acta Radiol 1987; 28: 723
- interventional radiology in the spleen, Quinn SF; vanSonnenberg E; Casola G; Wittich GR; Neff CC, Radiology 1986; 161: 289
- ultrasonically guided staging splenic tissue core biopsy in patients with non-Hodgkin's lymphoma, (ab), Suzuki T; Shibuya H; Yoshimatsu S; et al, Radiology 1988; 166: 585
- Spleen, CT**
abdominal pain in sickle cell disease: role of CT, Magid D; Fishman E; Charache S; Siegelman SS, Radiology 1987; 163: 325
- computed tomographic enhancement of liver and spleen in the dog with iodipamide ethyl ester particulate suspensions, Sands MS; Violante MR; Gadeholt G, Invest Radiol 1987; 22: 408
- computed tomography follow-up of nonsurgical treatment for hypersplenism, Tihansky DP; Llinor E, CT 1986; 10: 227
- computed tomography of splenic sarcoidosis, Mathieu D; Vanderstigel M; Schaeffer A; et al, JCAT 1986; 10: 679
- computed tomography of the polysplenia syndrome in the adult, Vossen PG; van Hedent EF; Degryse HR, Gastrointest Radiol 1987; 12: 209
- CT diagnosis of splenic multifocal lesions and abdominal lymphadenopathy secondary to sarcoidosis, Alvarez FJ; Escalada J; Comet R; et al, Comput Med Imag Graph 1988; 12: 255
- CT evaluation of limited splenic trauma, Sutton CS; Haaga JR, JCAT 1987; 11: 167
- CT findings in splenic hemangiomas in the Klippel-Trenaunay-Weber syndrome, Pakter RL; Fishman EK; Nussbaum A; et al, JCAT 1987; 11: 88
- delineation of the spleen by a combination of proliposomes with water-soluble contrast media: an experimental study using computed tomography, Payne NI; Whitehouse GH, Br J Radiol 1987; 60: 535
- focal splenic disease demonstrated by ultrasound and computed tomography, (ab), Costello P; Kane RA; Oster J; et al, Radiology 1986; 158: 287
- hemangioma of the spleen: radiologic-pathologic correlation in ten cases, Ros PR; Moser RP Jr; Dachman AH; Murari PJ; Olmsted WW, Radiology 1987; 162: 73
- hepatic and splenic injury in children: role of CT in the decision for laparotomy, Brick SH; Taylor GA; Potter BM; Eichelberger MR, Radiology 1987; 165: 643
- hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, Radiology 1988; 166: 417
- hepatosplenic fungal infection: CT and pathologic evaluation after treatment with liposomal amphotericin B, Shirkhoda A; Lopez-Berestein G; Holbert JM; Luna MA, Radiology 1986; 159: 349
- left lobe of the liver mimicking perisplenic collections, Crivello MS; Peterson IM; Austin RM, JCU 1986; 14: 697
- multiple cavernous hemangiomas of the spleen: CT findings, Moss CN; Van Dyke JA; Koehler RE; et al, JCAT 1986; 10: 338
- radiographic appearance of diffuse splenic hemangiomatosis, Rose SC; Kump DA; Manco-Johnson ML, Gastrointest Radiol 1986; 11: 342
- simulated splenic rupture on computed tomography, Savit RM, Br J Radiol 1987; 60: 713
- spleen in non-Hodgkin lymphoma: diagnostic value of computed tomography, Strijk SP; Boetes C; Bogman MJT; et al, Acta Radiol 1987; 28: 139
- splenic lymphangiomatosis: CT diagnosis, Pistoia F; Markowitz SK, AJR 1988; 150: 121
- splenic penetration by benign gastric ulcer: preoperative recognition with CT, Glick SN; Levine MS; Teplick SK; Gasparitis A, Radiology 1987; 163: 637
- splenic pseudocyst as a complication of ventriculoperitoneal shunt: CT features, Mata JM; Alegret X; Llauger J, JCAT 1986; 10: 341
- splenic trauma: evaluation with CT, Federle MP; Griffiths B; Minagi H; Jeffrey RB Jr, Radiology 1987; 162: 69
- splenic trauma: false-negative CT diagnosis in cases of delayed rupture, Pappas D; Mirvis SE; Crepps JT, AJR 1987; 149: 727
- three-dimensional demonstration of liver and spleen by a computer graphics technique, Kashiwagi T; Mitsuhashi N; Koizumi T; et al, Acta Radiol 1988; 29: 27
- wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, Radiology 1988; 169: 578
- wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shawker TH, Radiology 1988; 169: 579
- Spleen, cysts**
epithelial (true) splenic cysts: pathogenesis of the mesothelial and so-called epidermoid cyst of the spleen, (ab), Burrrig K-F, Radiology 1988; 169: 286
- hemangioma of the spleen: radiologic-pathologic correlation in ten cases, Ros PR; Moser RP Jr; Dachman AH; Murari PJ; Olmsted WW, Radiology 1987; 162: 73
- nonparasitic splenic cysts: report of 52 cases with radiologic-pathologic correlation, Dachman AH; Ros PR; Murari PJ; et al, AJR 1986; 147: 537
- non-surgical treatment of a congenital splenic cyst, Jequier S; Guttman F; Lalorune M, Pediatr Radiol 1987; 17: 248
- place of liver-spleen scanning in the workup of giant secondary cysts of the spleen, Hartshorne MF; Heggen WD; Crooks L; et al, Clin Nucl Med 1986; 11: 4
- sonography and percutaneous aspiration of splenic epidermoid cyst, Goldfinger M; Cohen MM; Steinhart M; et al, JCU 1986; 14: 147
- splenic pseudocyst as a complication of ventriculoperitoneal shunt: CT features, Mata JM; Alegret X; Llauger J, JCAT 1986; 10: 341
- Spleen, diseases**
CT diagnosis of splenic multifocal lesions and abdominal lymphadenopathy secondary to sarcoidosis, Alvarez FJ; Escalada J; Comet R; et al, Comput Med Imag Graph 1988; 12: 255
- CT findings in hepatic and splenic amyloidosis, Suzuki S; Takizawa K; Nakajima Y; et al, JCAT 1986; 10: 332
- focal splenic disease demonstrated by ultrasound and computed tomography, (ab), Costello P; Kane RA; Oster J; et al, Radiology 1986; 158: 287
- Gaucher disease: sonographic appearance of the spleen, Hill SC; Reining JW; Barranger JA; Fink J; Shawker TH, Radiology 1986; 160: 631
- hepatosplenic fungal infection: CT and pathologic evaluation after treatment with liposomal amphotericin B, Shirkhoda A; Lopez-Berestein G; Holbert JM; Luna MA, Radiology 1986; 159: 349
- widespread Castleman disease: CT and US findings, Libson E; Fields S; Strauss S; Bloom RA; Okon E; Galun E; Pollack A, Radiology 1988; 166: 753
- Spleen, hemorrhage**
post-traumatic splenic hematoma hidden by an overdistended stomach: use of nasogastric to avoid pitfalls, Ginaldi S, Comput Radiol 1987; 11: 203
- subacute subcapsular hematoma of the spleen complicating pancreatitis: successful percutaneous drainage, Vyborny CJ; Merrill TN; Reda J; Geurkink RE; Smith SJ, Radiology 1988; 169: 161
- Spleen, infarction**
atypical sonographic findings in splenic infarction, Kaulzaric D; Passega E, JCU 1986; 14: 461
- computed tomography follow-up of nonsurgical treatment for hypersplenism, Tihansky DP; Llinor E, CT 1986; 10: 227
- sonographic patterns in splenic infarct, Mareca G; Mirk P; De Gaetano AM; et al, JCU 1986; 14: 23
- Spleen, injuries**
colloid shift following blunt trauma, Briggs RC; Amberson SM, J Nucl Med 1987; 28: 188
- CT evaluation of limited splenic trauma, Sutton CS; Haaga JR, JCAT 1987; 11: 167
- detection of splenosis by radionuclide scanning, Derin H; Yetkin E; Ozkiliç H; et al, Br J Radiol 1987; 60: 873
- hepatic and splenic injury in children: role of CT in the decision for laparotomy, Brick SH; Taylor GA; Potter BM; Eichelberger MR, Radiology 1987; 165: 643
- post-traumatic splenic hematoma hidden by an overdistended stomach: use of nasogastric to avoid pitfalls, Ginaldi S, Comput Radiol 1987; 11: 203
- president's address: caring for the major trauma victim: role for radiology, McCort JJ, Radiology 1987; 163: 1
- scintigraphic demonstration of splenosis, Stewart CA; Sakimura IT; Siegel ME, Clin Nucl Med 1986; 11: 161
- scintigraphic demonstration of viable splenic autotransplant, Szasz LJ; Nagy A, Clin Nucl Med 1986; 11: 209
- scintigraphic evaluation of traumatic splenic lesions in children, Erasmus U; Mortenson W; Persson U; et al, Acta Radiol 1988; 29: 121
- splenic trauma during colonoscopy, Levine E; Wetzel LH, AJR 1987; 149: 939
- splenic trauma: evaluation with CT, Federle MP; Griffiths B; Minagi H; Jeffrey RB Jr, Radiology 1987; 162: 69
- splenosis: ultrasound and CT findings in a case complicated by an intraperitoneal implant traumatic hematoma, Delamarre J; Capron J-P; Drouard F; et al, Gastrointest Radiol 1988; 13: 275
- ultrasound diagnosis of splenic injuries in children—the importance of free peritoneal fluid, Booth AJ; Bruce DI; Steiner GM, Clin Radiol 1987; 38: 395
- ultrasound of the traumatized spleen: left butterfly sign in lesions masked by echogenic blood clots, Weill F; Rohmer P; Didier D; et al, Gastrointest Radiol 1988; 13: 169
- use of CT in acute trauma victims, Young JWR; Burgess AR, Radiology 1988; 166: 903
- use of CT in acute trauma victims: reply, McCort JJ, Radiology 1988; 166: 903
- Spleen, interventional procedure**
partial splenic embolization for painful splenomegaly, Grassi CJ; Bost LM; Bettmann MA, Cardiovasc Intervent Radiol 1987; 10: 291
- Spleen, MR studies**
changes in proton relaxation times of the rat spleen during adjuvant-induced immunologic reaction, Terrier F; Revel D; Hricak H; et al, Invest Radiol 1986; 21: 221
- ferromagnetic particles as contrast agents for magnetic resonance imaging of liver and spleen, Dias MHM; Lauterbur PC, Magn Res Med 1986; 3: 328
- focal lesions of the spleen: preliminary results with fast MR imaging at 1.5 T, Hess CF; Griebel J; Schmiedl U; et al, JCAT 1988; 12: 569
- gadolinium-labeled liposomes: targeted MR contrast agents for the liver and spleen, Kabalka G; Buonocore E; Hubner K; Moss T; Norley N; Huang L, Radiology 1987; 163: 255
- Gaucher disease: assessment with MR imaging, Lanir A; Hadar H; Cohen I; Tal Y; Benmair J; Schreiber R; Clouse ME, Radiology 1986; 161: 239
- MR imaging of focal splenic tumors, Hahn PF; Weissleder R; Stark DD; et al, AJR 1988; 150: 823
- MRI of the spleen: normal appearance and findings in sickle-cell anemia, Adler DD; Glazer GM; Aisen AM, AJR 1986; 147: 843

Spleen, MR studies

- MR relaxation times and iron content of thalassemic spleens: an *in vitro* study, Gomori JM; Grossman RI; Drott HR, *AJR* 1988; 150: 567
- nuclear magnetic resonance of the liver, spleen, and pancreas, Stark DD; Moss AA; Goldberg HL, *Cardiovasc Intervent Radiol* 1986; 8: 329
- quantitation of MR relaxation effects of iron oxide particles in liver and spleen, Majumdar S; Zoghbi S; Pope CF; Gore JC, *Radiology* 1988; 169: 653
- splenic lymphoma: ferrite-enhanced MR imaging in rats, Weissleder R; Stark DD; Rummeny EJ; Compton CC; Ferrucci JT, *Radiology* 1988; 166: 423
- superparamagnetic iron oxide: enhanced detection of focal splenic tumors with MR imaging, Weissleder R; Hahn PF; Stark DD; Elizondo G; Saini S; Todd LE; Wittenberg J; Ferrucci JT, *Radiology* 1988; 169: 399
- Spleen, neoplasms**
- attempt to characterize malignant lymphoma in spleen, liver and lymph nodes with magnetic resonance imaging, Nyman R; Rhen S; Ericsson A; et al, *Acta Radiol* 1987; 28: 527
- focal lesions of the spleen: preliminary results with fast MR imaging at 1.5 T, Hess CF; Griebel J; Schmiedl U; et al, *JCAT* 1988; 12: 569
- hemangioma of the spleen: radiologic-pathologic correlation in ten cases, Ros PR; Moser RP Jr; Dachman AH; Murari PJ; Olmsted WW, *Radiology* 1987; 162: 73
- interventional radiology in the spleen, Quinn SF; vanSonnenberg E; Casola G; Wittich GR; Neff CC, *Radiology* 1986; 161: 289
- MR imaging of focal splenic tumors, Hahn PF; Weissleder R; Stark DD; et al, *AJR* 1988; 150: 823
- MR imaging of splenic metastases: ferrite-enhanced detection in rats, Weissleder R; Hahn PF; Stark DD; et al, *AJR* 1987; 149: 723
- splenectomy for splenic metastasis from carcinoma of colon, Slavin JD Jr; Mathews J; Spencer RP, *Clin Nucl Med* 1986; 11: 491
- superparamagnetic iron oxide: enhanced detection of focal splenic tumors with MR imaging, Weissleder R; Hahn PF; Stark DD; Elizondo G; Saini S; Todd LE; Wittenberg J; Ferrucci JT, *Radiology* 1988; 169: 399
- ultrasonographic patterns of focal hepatic and splenic lesions in Hodgkin's and non-Hodgkin's lymphoma, Werneck K; Peters PE; Kruger K-G, *Br J Radiol* 1987; 60: 655
- Spleen, radiography**
- safe splenopography, Brazzini A; Hunter DW; Darcy MD; Smith TP; Cragg AH; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 162: 607
- Spleen, radionuclide studies**
- anterior dynamic imaging of the liver and spleen, David R; Shirkhoda A; McCartney WH, *Clin Nucl Med* 1988; 13: 402
- colloid shift following blunt trauma, Briggs RC; Amberson SM, *J Nucl Med* 1987; 28: 188
- colloid shift in technetium-99m sulfur colloid liver-spleen scans of trauma patients, Lee HK; Kajubi S, *Clin Nucl Med* 1987; 12: 801
- congenital spleen thinning mimicking a space-occupying lesion, McCullough RW; Moorman D; Schatz S; et al, *Clin Nucl Med* 1986; 11: 262
- detection of splenosis by radionuclide scanning, Derin H; Yetkin E; Ozkiliç H; et al, *Br J Radiol* 1987; 60: 873
- diagnosis of diffuse hepatocellular diseases using SPECT, Kodama T; Watanabe K; Hoshi H; et al, *J Nucl Med* 1986; 27: 616
- false-positive spleen imaging: splenic cleft and accessory spleen, Slavin JD Jr; Vento JA; Spencer RP, *Clin Nucl Med* 1986; 11: 509
- indium-111 leukocyte scintigraphy in Wegener's granulomatosis involving the spleen, Morayati SJ; Fink-Bennett D, *J Nucl Med* 1986; 27: 1864
- noninvasive diagnosis of intrathoracic splenosis using technetium-99m heat-damaged red blood cells, Schiff RG; Leonidas J; Shende A; et al, *Clin Nucl Med* 1987; 12: 785
- normal hepatic and splenic size in children: scintigraphic determination, Markisz JA; Treves ST; Davis RT, *Pediatr Radiol* 1987; 17: 273
- place of liver-spleen scanning in the workup of giant secondary cysts of the spleen, Hartshorne MF; Heggen WD; Crooks L; et al, *Clin Nucl Med* 1986; 11: 4
- pseudo defect of the spleen in an adolescent with fever of unknown origin, Hinton AA; Sandler MP; Shaff MI, *Clin Nucl Med* 1987; 12: 471
- quantitative single photon emission computed tomography applied to a comparison of propanetetrathionate and albumin colloid for liver and spleen scintigraphy, Axelsson B; Jacobsson H, *Acta Radiol* 1988; 29: 321
- radiocolloid scintigraphy in Felty's syndrome, Shih W-J; Domstad PA; Li C-Y; et al, *AJR* 1986; 147: 181
- radiogallium hot spleen in Trousseau's syndrome with splenic vein occlusion, Dey HM; Karimeddini MK; Ciesielski TE; et al, *Clin Nucl Med* 1986; 11: 640
- radionuclide imaging in histiocytosis X, Schaub T; Ash JM; Gilday DL, *Pediatr Radiol* 1987; 17: 397
- radionuclide imaging of the spleen with heat denatured technetium-99m RBC when the splenic reticuloendothelial system seems impaired, Owunwanne A; Halkar R; Al-Rasheed A; et al, *J Nucl Med* 1988; 29: 320
- scintigraphic demonstration of viable splenic autotransplant, Szasz JJ; Nagy A, *Clin Nucl Med* 1986; 11: 209
- scintigraphic evaluation of traumatic splenic lesions in children, Erasmus U; Mortenson W; Persson U; et al, *Acta Radiol* 1988; 29: 121
- scintigraphic findings in Gaucher's disease, Israel O; Jerushalmi J; Front D, *J Nucl Med* 1986; 27: 1557
- scintigraphic findings in infantile hemangioendothelioma, Noel AW; Heyman S, *Clin Nucl Med* 1986; 11: 413
- spleen/liver ratio in RES-scintigraphy: a comparison between posterior registration and emission computed tomography, Friman L; Söderberg B, *Acta Radiol* 1987; 28: 439
- splenectomy for splenic metastasis from carcinoma of colon, Slavin JD Jr; Mathews J; Spencer RP, *Clin Nucl Med* 1986; 11: 491
- splenic "disappearance" during gated exercise nuclear angiocardiology, Gates GF; Ames AW, *Clin Nucl Med* 1986; 11: 683
- splenic hemangioma presenting as a "hot spot" on radiocolloid scintigraphy, Gulenchyn KY; Dover MR; Kelly S, *J Nucl Med* 1986; 27: 804
- splenic implants: evaluation with radionuclide methods, Abu-Nema T; Nawaz K; Sadek S; Ayyash K; Tibblin S; Al-Mohannadi S; Abdel-Dayem HM, *Radiology* 1987; 163: 641
- splenic uptake in bone imaging, Shukla LW; Lin DS; Kutka N, *Semin Nucl Med* 1988; 18: 71
- subacute splenic abscess: appearance on indium-111 leukocyte, gallium-67, and technetium-99m sulfur colloid imaging, Ammann W; Chiu BK; Wright JM, *Clin Nucl Med* 1986; 11: 165
- technetium-99m red blood cell blood-pool imaging in functional asplenia due to leukemic infiltration, Yoo JHK; Orzel JA; Bagnall JW; et al, *Clin Nucl Med* 1986; 11: 493
- utility of SPECT liver-spleen imaging in the evaluation of a possible accessory spleen, Guze BH; Hawkins R, *Clin Nucl Med* 1988; 13: 496
- value of scintigraphy in the evaluation of a wandering spleen, Groshar D; Israel O; Barzilai A; et al, *Clin Nucl Med* 1986; 11: 42
- visualization of the spleen with radiophosphate in severe combined immunodeficiency disease, Charron M; Rosenthal L, *Clin Nucl Med* 1988; 13: 339
- wandering spleen and advanced age, Sawaf NW; Orzel JA, *Clin Nucl Med* 1987; 12: 561
- wandering spleen: the use of decubitus views during hepatic imaging, Bajakian RL; Swayne LC; Buhlinger C, *Clin Nucl Med* 1988; 13: 66
- Spleen, rupture**
- rupture of the spleen by penetration of pancreatic pseudocysts, Scherer K; Kramann B, *Eur J Radiol* 1987; 7: 67
- splenic trauma: false-negative CT diagnosis in cases of delayed rupture, Pappas D; Mirvis SE; Crepps JT, *AJR* 1987; 149: 727
- Spleen, size**
- normal hepatic and splenic size in children: scintigraphic determination, Markisz JA; Treves ST; Davis RT, *Pediatr Radiol* 1987; 17: 273
- splenic size on routine chest films in AIDS: diagnostic and prognostic significance, Pugh P; Brenner M; Milne ENC, *J Thorac Imag* 1988; 3-2: 40
- Spleen, surgery**
- pseudocyst following splenectomy: impact of CT and ultrasound on its diagnosis and management, Winsett MZ; Kumar R; Balachandran S; et al, *Gastrointest Radiol* 1988; 13: 177
- splenic implants: evaluation with radionuclide methods, Abu-Nema T; Nawaz K; Sadek S; Ayyash K; Tibblin S; Al-Mohannadi S; Abdel-Dayem HM, *Radiology* 1987; 163: 641
- Spleen, therapeutic radiology**
- new radioisotope technique of splenic localization for radiation treatment, Mittal BB; Spies WG; Markwell R; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 221
- Spleen, transplantation**
- technetium-99m sulfur colloid imaging of vascular thrombosis in pancreaticosplenic transplant, Grassi CJ; Lee RGL; Hill TC; et al, *Clin Nucl Med* 1986; 11: 558
- Spleen, US studies**
- atypical sonographic findings in splenic infarction, Kauzlaric D; Passee E, *JCU* 1986; 14: 461
- biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J, *Radiology* 1987; 163: 377
- differentiation of mononucleosis from hepatitis by sonographic measurement of spleen size, Ishibashi H; Okumura Y; Higuchi N; et al, *JCU* 1987; 15: 313
- focal splenic disease demonstrated by ultrasound and computed tomography, (ab), Costello P; Kane RA; Oster J; et al, *Radiology* 1986; 158: 287
- Gaucher disease: sonographic appearance of the spleen, Hill SC; Reing JW; Barranger JA; Fink J; Shawker TH, *Radiology* 1986; 160: 631
- hemangioma of the spleen: radiologic-pathologic correlation in ten cases, Ros PR; Moser RP Jr; Dachman AH; Murari PJ; Olmsted WW, *Radiology* 1987; 162: 73
- hepatosplenic candidiasis: wheels within wheels, Pastakia B; Shawker TH; Thaler M; O'Leary T; Pizzo PA, *Radiology* 1988; 166: 417
- left lobe of the liver mimicking perisplenic collections, Crivello MS; Peterson IM; Austin RM, *JCU* 1986; 14: 697
- left upper quadrant pseudolesion secondary to normal variants in liver and spleen, Arenson AM; McKee JD, *JCU* 1986; 14: 558
- perfluorochemicals as US contrast agents for tumor imaging and hepatosplenography: preliminary clinical results, Mattrey KF; Strich G; Shelton RE; Gosink BB; Leopold GR; Lee T; Forsythe J, *Radiology* 1987; 163: 339
- pseudo perisplenic "fluid collections": clue to normal liver and spleen echogenic texture, Li DKB; Cooperberg PL; Graham MF; et al, *J Ultrasound Med* 1986; 5: 397
- radiographic appearance of diffuse splenic hemangiomatosis, Rose SC; Kumpe DA; Manco-Johnson ML, *Gastrointest Radiol* 1986; 11: 342
- sonographic evaluation of liver, spleen, and splanchnic vessels following partial liver resection, Zoli M; Melli A; Viti G; et al, *J Ultrasound Med* 1986; 5: 563

- sonographic patterns in splenic infarct, Maresca G; Mirk P; De Gaetano AM; et al. JCU 1986; 14: 23
- sonography and percutaneous aspiration of splenic epidermoid cyst, Goldfinger M; Cohen MM; Steinhardt MI; et al. JCU 1986; 14: 147
- splenic abscess on ultrasonography, Iko BO, Eur J Radiol 1986; 6: 116
- splenic involvement in Gaucher's disease: sonographic findings, Stevens PG; Kumari-Subaiya SS; Kahn LB, JCU 1987; 15: 397
- truly wandering spleen, Kinori I; Rifkin MD, J Ultrasound Med 1988; 7: 101
- ultrasonographic patterns of focal hepatic and splenic lesions in Hodgkin's and non-Hodgkin's lymphoma, Werneck K; Peter PE; Kruger K-G, Br J Radiol 1987; 60: 655
- ultrasound demonstration of amebic splenic abscess, Gupta RK; Pant CS; Ganguly SK, JCU 1987; 15: 555
- ultrasound diagnosis of splenic injuries in children—the importance of free peritoneal fluid, Booth AJ; Bruce DI; Steiner GM, Clin Radiol 1987; 38: 395
- ultrasound of the traumatized spleen: left butterfly sign in lesions masked by echogenic blood clots, Weill F; Rohmer P; Didier D; et al. Gastrointest Radiol 1988; 13: 169
- unusual ultrasound appearance of the spleen—a case of hereditary spherocytosis, Gupta R; Woodham CH, Br J Radiol 1986; 59: 284
- wheel-within-a-wheel patterns in hepatosplenic infections, Fletcher BD; Magill HL, Radiology 1988; 169: 578
- wheel-within-a-wheel patterns in hepatosplenic infections: reply, Pastakia B; Shaker TH, Radiology 1988; 169: 579
- Spondylitis**
- ankylosing spondylitis presenting as juxta-articular masses in females, Lindsay HB; De Smet AA; Neff JR, Skeletal Radiol 1987; 16: 142
- case of the season, Byrne JV, Semin Roentgenol 1986; 21: 101
- case report 344, Dowd CF; Sartoris DJ; Haghighi P; et al. Skeletal Radiol 1986; 15: 65
- case report 396, Hall FM; Harris AK, Skeletal Radiol 1986; 15: 589
- case report 469, Manaster BJ, Skeletal Radiol 1988; 17: 144
- cauda equina syndrome: a rare extra-articular manifestation of ankylosing spondylitis—a case report, Travis RC; Byrne P, Australas Radiol 1987; 31: 395
- chylothorax associated with tuberculous spondylitis, Menzies R; Hidvegi R, J Canad Assoc Radiol 1988; 39: 238
- destructive noninfectious spondyloarthropathy in hemodialysis patients: report of four cases, Kaplan PA; Resnick D; Murphy M; Heck L; Phalen J; Egan D; Rutsky E, Radiology 1987; 162: 241
- destructive noninfectious spondyloarthropathy in hemodialysis patients, Varga J; Fenves A, Radiology 1987; 164: 584
- destructive noninfectious spondyloarthropathy in hemodialysis patients: reply, Kaplan PA; Resnick D, Radiology 1987; 164: 585
- destructive spondyloarthropathy in hemodialysis patients: report of four cases and prospective study, Kerr R; Bjorkengren A; Bielecki DK; et al. Skeletal Radiol 1988; 17: 176
- estimated radiation doses to different organs among patients treated for ankylosing spondylitis with a single course of X rays, Lewis CA; Smith PG; Stratton IM; et al. Br J Radiol 1988; 61: 212
- MRI and CT of ankylosing spondylitis with vertebral scalloping, Abelló R; Rovira M; Sanz MP; et al. Neuroradiol 1988; 30: 272
- MRI of tuberculous spondylitis, de Roos A; van Persijn van Meerten Els L; Bloem LJ; et al. AJR 1986; 147: 79
- pyogenic spondylodiscitis without disc space collapse, Fontaine S; Dumas J-M; Brassard R; et al. J Canad Assoc Radiol 1987; 38: 129
- sarcoidosis and ankylosing spondylitis, Drane WE; Martland WH, Clin Nucl Med 1987; 12: 938
- spinal involvement in alveolar echinococcosis: assessment of two cases, Claudon M; Bracard S; Plenat F; Regent D; Bernadac P; Picard L, Radiology 1987; 162: 571
- spinal pseudarthrosis complicating ankylosing spondylitis: comparison of CT and conventional tomography, Chan F-L; Ho EKW; Chau EMT, AJR 1988; 150: 611
- spinal pseudarthrosis in ankylosing spondylitis, Chan FL; Ho EKW; Fang D; et al. Acta Radiol 1987; 28: 383
- spondylitis-spondylodiscitis, pathological-anatomical morphology and diagnostic problems, (ab), Adler C-P, Radiology 1986; 158: 570
- spondyloarthropathy from long-term hemodialysis, Naidich JB; Mossey RT; McHaffey-Atkinson B; Karmel MI; Bluestone PA; Mailloux LU; Stein HL, Radiology 1988; 167: 761
- spondyloarthropathy of the cervical spine in long-term hemodialysis, Rafto SE; Dalinka MK; Schiebler ML; Burk DL Jr; Kricun ME, Radiology 1988; 166: 201
- Spondylolisthesis**
- See Spine, dislocation
- Spondylolysis**
- bone scintigraphy in symptomatic spondylolysis, (ab), van den Oever M; Merrick MV; Scott JHS, Radiology 1987; 165: 885
- bone scintigraphy in the assessment of spondylolysis in patients attending a sports injury clinic, Elliott S; Hutson MA; Wastie ML, Clin Radiol 1988; 39: 269
- cervical spinal cord injuries in patients with cervical spondylolysis, Regenbogen VS; Rogers LF; Atlas SW; et al. AJR 1986; 146: 277
- diagnosis and evaluation of spondylolisthesis and/or spondylolysis on axial CT, Teplick JG; Laffey PA; Berman A; et al. AJNR 1986; 7: 479
- myelopathic cervical spondylotic lesions demonstrated by magnetic resonance imaging, (ab), Al-Melty O; Harkey LH; Middleton TH; et al. Radiology 1988; 169: 590
- scintigraphic patterns in osteoid osteoma and spondylolysis, Wells RC; Miller JH; Sty JR, Clin Nucl Med 1987; 12: 39
- spondylolysis: what does this mean? a review, Pierce ME, Australas Radiol 1987; 31: 391
- Sporotrichosis**
- abnormal bone and gallium scans in a case of multifocal systemic sporotrichosis, Anees A; Ali A; Fordham EW, Clin Nucl Med 1986; 11: 663
- pulmonary sporotrichosis: review of treatment and outcome, (ab), Pluss JL; Opal SM, Radiology 1987; 162: 290
- Sprue**
- duodenal manifestations of nontropical sprue, Mann CS; Gore RM; Ghahremani GG, Gastrointest Radiol 1986; 11: 30
- jejunal fold separation in adult celiac disease: relevance of enterocystitis, Herlinger H; Maglente DDT, Radiology 1986; 158: 605
- Staphylococci**
- experimental *Staphylococcus aureus* brain abscess, Enzmann DR; Britt RR; Obana WG; et al. AJNR 1986; 7: 395
- State-of-art reviews**
- advances in hepatobiliary radiology, Ferrucci JT; Freeny PC; Stark DD; Foley WD; Mueller PR; May G; Burhenne HJ, Radiology 1988; 168: 319
- breast cancer: considerations in local and regional treatment, Hellman S; Harris JR, Radiology 1987; 164: 593
- characteristics of partial flip angle and gradient reversal MRI imaging, Winkler ML; Ortendahl DA; Mills TC; Crooks LE; Sheldon PE; Kaufman L; Kramer DM, Radiology 1988; 166: 17
- colorectal carcinoma: radiologic and clinical review, Kelvin FM; Maglente DDT, Radiology 1987; 164: 1
- economic and utilization analysis of MR imaging units in the United States in 1987, Evans RG; Evans RG Jr, Radiology 1988; 166: 27
- hepatic CT: state of the art, Freeny PC, Radiology 1988; 168: 319
- imaging of degenerative disk disease, Modic MT; Masaryk TJ; Ross JS; Carter JR, Radiology 1988; 168: 177
- imaging of the aging brain: part I. normal findings, Drayer BP, Radiology 1988; 166: 785
- imaging of the aging brain: part II. pathological conditions, Drayer BP, Radiology 1988; 166: 797
- MR imaging of the brain, Brant-Zawadzki N, Radiology 1988; 166: 1
- MR imaging of the liver, kidneys, and adrenal glands, Glazer GM, Radiology 1988; 166: 303
- MR imaging of the pelvis, Heiken JP; Lee JKT, Radiology 1988; 166: 11
- MR imaging of the spine, Houghton VM, Radiology 1988; 166: 297
- percutaneous transthoracic needle biopsy, Westcott JL, Radiology 1988; 169: 593
- pneumonia in children and some of its variants, Griscom NT, Radiology 1988; 167: 297
- present status of the radiologic examination of the colon, Margulis AR; Thoenen RF, Radiology 1988; 167: 1
- pulmonary embolism: diagnosis with multiple imaging modalities, Alderson PO; Martin EC, Radiology 1987; 164: 297
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, Radiology 1988; 166: 553
- urinary tract infection in children: putting radiology in its place, Lebowitz RL; Mandell J, Radiology 1987; 165: 1
- Statistical analysis**
- alternative approaches to receiver operating characteristic analyses, Hanley JA, Radiology 1988; 168: 568
- assessment of radiologic tests: control of bias and other design considerations, Begg CB; McNeil BJ, Radiology 1988; 167: 565
- "lemon" sign: a clinical perspective, Filly RA, Radiology 1988; 167: 573
- predictive value, sensitivity, and specificity in breast cancer screening, Moskowitz M, Radiology 1988; 167: 576
- Steatorrhea**
- case report: floating faeces in steatorrhea—a new sign, Hornsby VPL, Clin Radiol 1988; 39: 454
- Sterility**
- assessment of testicular metabolic integrity with P-31 MR spectroscopy, Bretan PN Jr; Vigneron DB; Hricak H; McClure RD; Yen TS; Mosley M; Tanagho EA; James TL, Radiology 1987; 162: 867
- case of female infertility investigated by contrast-enhanced echo-gynecography, Davison GB; Leeton J, JCU 1988; 16: 44
- comparative study of hysterosalpingography and endoscopy/laparotomy in infertile patients, Nielsen DT; Rasmussen F; Justesen P, Eur J Radiol 1987; 7: 260
- diagnosis of subclinical varicocele in infertility, Gonda RL Jr; Karo JJ; Forte RA; et al. AJR 1987; 148: 71
- fallopian tube obstruction: selective salpingography and recanalization. work in progress, Thurmond AS; Novy M; Uchida BT; Rosch J, Radiology 1987; 163: 511
- fluoroscopic transcervical fallopian tube catheterization for diagnosis and treatment of female infertility caused by tubal obstruction, Thurmond AS; Rosch J; Patton PE; Burry KA; Novy M, Radiographics 1988; 8: 621
- in vitro fertilization 1986: new procedures and new questions, Quigley MM, Invest Radiol 1986; 21: 503
- in vitro fertilization and embryo transfer complicated by simultaneous ectopic and intrauterine twin gestation, Simpson EL; Coleman BG; Sondheimer SJ; et al. J Ultrasound Med 1986; 5: 49
- in vitro fertilization: sonographic perspective, Hann LE; Crivello M; McArdle CB; Seibel M; Fein V; Taymor M, Radiology 1987; 163: 665
- magnetic resonance imaging: its application to male infertility, (ab), McClure RD; Hricak H, Radiology 1986; 160: 285
- management of male infertility: roles of contact thermography, spermatic venography, and embolization, Pochaczewsky R; Lee WJ; Mallett E, AJR 1986; 147: 97
- paternity after irradiation for testicular cancer, Fossa SD; Almas B; Jetne V; et al. Acta Oncol 1986; 25: 33
- percutaneous spermatic vein occlusion: evaluation of sclerosing agents in experimental animals, Kinnison ML; Kadir S; Strandberg JD; Anderson JH; White RI Jr, Radiology 1986; 161: 299

- right-sided varicocele: technique and clinical results of balloon embolotherapy from the femoral approach, Shuman L; White RI Jr; Mitchell SE; Kadir S; Kaufman SL; Chang R. *Radiology* 1986; 158: 787
- scrotal ultrasound in the infertile man: detection of subclinical unilateral and bilateral varicoceles, (ab), McClure RD; Hricak H. *Radiology* 1986; 160: 858
- selective transcervical fallopian tube catheterization: technique update, Rösch J; Thurmond AS; Uchida BT; Sovak M. *Radiology* 1988; 168: 1
- solitary or predominantly right-sided varicocele: a possible sign of situs inversus, Wilms GE; Oyen R; Casselman J; et al. *Urol Radiol* 1988; 9: 243
- sonographic assessment of the endometrium in patients undergoing in vitro fertilization, Thickman D; Arger P; Tureck R; et al. *J Ultrasound Med* 1986; 5: 197
- sonographic evaluation of normal and induced ovulation, Ritchie WGM. *Radiology* 1986; 161: 1
- spermatic vein embolization with hot contrast material: fertility results, Smith TP; Hunter DW; Cragg AH; Darcy MD; Castaneda-Zuniga WR; Sinclair TR; Ercole C; Hulbert JC; Kaye KW; Anplatz K. *Radiology* 1988; 168: 137
- terbutaline in diagnosis of interstitial fallopian tube obstruction, Thurmond AS; Novy M; Rösch J. *Invest Radiol* 1988; 23: 209
- transvaginal oocyte retrieval controlled by vaginal probe for in vitro fertilization: a comparative study, Feldberg D; Goldman JA; Ashkenazi J; et al. *J Ultrasound Med* 1988; 7: 339
- transvaginal ultrasound directed oocyte collection for in vitro fertilization: successes and complications, Baber R; Porter R; Pickler R; et al. *J Ultrasound Med* 1988; 7: 377
- tubal intramural polyps: incidence and radiographic demonstration, Reasbeck J; Wynn-Williams G; Gillett W. *Australas Radiol* 1988; 32: 117
- use of a vaginal transducer for oocyte retrieval in an IVF/ET program, Wikland M; Enk L; Hammarberg K; et al. *JCU* 1987; 15: 245
- uterine leiomyomas in the infertile patient: preoperative localization with MR imaging versus US and hysterosalpingography, Dudiak CM; Turner DA; Patel SK; Archie JT; Silver B; Norusis M. *Radiology* 1988; 167: 627
- Sternum**
- avulsion of the innominate artery associated with fracture of the sternum, Ben-Menachem Y. *AJR* 1988; 150: 621
- insufficiency fractures of the sternum: a consequence of thoracic kyphosis?, Cooper KL. *Radiology* 1988; 167: 471
- radionuclide and radiographic diagnosis of sternocostoclavicular hyperostosis, Rosenthal L; Burke DL. *Clin Nucl Med* 1986; 11: 322
- Sternum, abnormalities**
- case of the season, Eyal A. *Semin Roentgenol* 1988; 23: 145
- episternal ossicles, Stark P; Watkins GE; Hildebrandt-Stark HE; Dunbar RD. *Radiology* 1987; 165: 143
- sternocostoclavicular hyperostosis: review and report of 11 cases, Sartoris DJ; Schreiman JS; Kerr R; Resnick CS; Resnick D. *Radiology* 1986; 158: 125
- Sternum, CT**
- CT of the sternum, Stark P; Jaramillo D. *AJR* 1986; 147: 72
- episternal ossicles, Stark P; Watkins GE; Hildebrandt-Stark HE; Dunbar RD. *Radiology* 1987; 165: 143
- Sternum, neoplasms**
- cold sternal image as a sign of metastatic involvement, Carrio I; Estorch M. *Clin Nucl Med* 1986; 11: 417
- computed tomography evaluation of primary and secondary sternal neoplasms, Shin MS; Berland LL; Ho K-J. *CT* 1986; 10: 27
- thallium-201 uptake by the sternum, Intenzo CM; Desai AG; Park CH. *Clin Nucl Med* 1986; 11: 214
- Sternum, radionuclide studies**
- clinical significance of isolated scintigraphic sternal lesions in patients with breast cancer, Kwai AH; Stomper PC; Kaplan WD. *J Nucl Med* 1988; 29: 324
- thallium-201 uptake by the sternum, Intenzo CM; Desai AG; Park CH. *Clin Nucl Med* 1986; 11: 214
- Steroids**
- CT demonstration of rapid improvement of retroperitoneal fibrosis in response to steroid therapy, Smith SJ; Bosniak MA; Megibow AJ; et al. *Urol Radiol* 1986; 8: 104
- neurosarcoidosis responding to steroids, Reed LD; Abbas S; Markivvee CR; et al. *AJR* 1986; 146: 819
- pretreatment with corticosteroids to alleviate reactions to intravenous contrast material, (ab), Lasser EC; Berry CC; Talner LB; et al. *Radiology* 1988; 167: 592
- pretreatment with corticosteroids to prevent reactions to IV contrast material: overview and implications, Lasser EC. *AJR* 1988; 150: 257
- Takayasu's arteritis: decrease in aortic wall thickening following steroid therapy, documented by CT, Hayashi K; Fukushima T; Matsunaga N; et al. *Br J Radiol* 1986; 59: 281
- use of steroids to suppress vascular response to radiation, Evans ML; Graham MM; Mahler PA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 563
- Steroids, complications**
- case report 352, Shpall EJ; Efremidis AP; Kasambalides E; et al. *Skeletal Radiol* 1986; 15: 170
- effect of steroid ingestion on pancreatic echogenicity, Gupta AK; Aronson A-M; McKee JD; et al. *JCU* 1987; 15: 171
- epidural lipomatosis, Quint DJ; Boulos RS; Sanders WP; Mehta BA; Patel SC; Tiel RL. *Radiology* 1988; 169: 485
- epidural lipomatosis with lumbar radiculopathy: CT appearance, Randall BC; Muraki AS; Osborn RE; et al. *JCAT* 1986; 10: 1039
- medically treated steroid-induced epidural lipomatosis, Maehara T; Tanohata K; Noda M; et al. *Neuroradiol* 1988; 30: 281
- resolution of a contraceptive-steroid-induced hepatic adenoma with subsequent evolution into hepatocellular carcinoma, (ab), Gordon SC; Reddy KR; Livingstone AS; et al. *Radiology* 1987; 165: 586
- sickle cell crisis following intraarticular steroid therapy for rheumatoid arthritis, (ab), Gladman DD; Bombardier C. *Radiology* 1988; 167: 295
- spinal cord compression induced by steroid therapy: CT findings, Jungreis CA; Cohen WA. *JCAT* 1987; 11: 245
- steroid-induced spinal epidural lipomatosis: CT survey, Buthiau D; Piette JC; Ducervieu MN; et al. *JCAT* 1988; 12: 501
- tuberculous pleural effusion occurring during corticosteroid treatment of sarcoidosis, (ab), Knox AJ; Wardman AG; Page RL. *Radiology* 1987; 162: 884
- Still disease**
- See Arthritis, rheumatoid
- Stomach**
- See also Gastrointestinal tract
- radiology of normal and abnormal gastric mucus, Samuel E. *Br J Radiol* 1987; 60: 987
- Stomach, abnormalities**
- acute gastric dilatation: rare cause of portal venous gas, Radin DR; Rosen RS; Halls JM. *AJR* 1987; 148: 279
- anastomotic strictures of the upper gastrointestinal tract: results of balloon dilation, de Lange EE; Shaffer HA Jr. *Radiology* 1988; 167: 45
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubenstein SE; Herlinger H; Laufer I. *Radiology* 1988; 168: 593
- gastric and duodenal pneumatosis in a child with annular pancreas, Franquet T; Gonzalez A. *Pediatr Radiol* 1987; 17: 262
- prenatal ultrasonic diagnosis of congenital duplication of the stomach, Bidwell JK; Nelson A. *J Ultrasound Med* 1986; 5: 589
- Stomach, anatomy**
- normal stomach wall and gastric cancer: evaluation with high-resolution operative US, Machi J; Takeda J; Sigel B; Kakegawa T. *Radiology* 1986; 159: 85
- Stomach, CT**
- computed tomographic staging of gastrointestinal tract malignancies. part I. esophagus and stomach, Halvorsen RA Jr; Thompson WM. *Invest Radiol* 1987; 22: 2
- computed tomography in the preoperative evaluation of gastric carcinoma, Kleinhaus U; Militianu D. *Gastrointest Radiol* 1988; 13: 97
- computed tomography of calcified gastric carcinoma: a case report, Wise AG; Sage MR. *Australas Radiol* 1987; 31: 267
- computed tomography of emphysematous gastritis, de Lange EE; Slutsky VS; Swanson S; et al. *JCAT* 1986; 10: 139
- CT findings after uncomplicated percutaneous gastrostomy, Wojtowycz MM; Arata JA Jr; Micklos TJ; et al. *AJR* 1988; 151: 307
- cyst formation in gastric heterotopic pancreas: report of two cases, Claudon M; Verain AL; Bigard MA; Boissel P; Poisson P; Floquet J; Regent D. *Radiology* 1988; 169: 659
- exogastric cystic gastric leiomyoblastoma with unusual CT appearance, Choi BI; Ok ID; Im J-G; et al. *Gastrointest Radiol* 1988; 13: 109
- exogastric neuroilemmoma presenting as acute abdomen: role of computed tomography in diagnosis, Nussinson E; Vigder L; Kaveh Z; et al. *Gastrointest Radiol* 1988; 13: 306
- gastric adenocarcinoma: CT versus surgical staging, Sussman SK; Halvorsen RA Jr; Illescas FF; Cohen RH; Saeed M; Silverman PM; Thompson WM; Meyers WC. *Radiology* 1988; 167: 335
- gastric cardia metastasis in esophageal carcinoma, Glick SN; Teplitz SK; Levine MS; Caroline DF. *Radiology* 1986; 160: 627
- gastric diverticulum mimicking adrenal mass: CT demonstration, Silverman PM. *JCAT* 1986; 10: 709
- gastric diverticulum simulating an adrenal mass: CT appearance and embryogenesis, Schwartz AA; Goiney RC; Graney DO. *AJR* 1986; 146: 553
- gastric duplication cyst: GI series and CT correlation, Hulnick DH; Balthazar EJ. *Gastrointest Radiol* 1987; 12: 106
- splenic penetration by benign gastric ulcer: preoperative recognition with CT, Glick SN; Levine MS; Teplitz SK; Gasparitis A. *Radiology* 1987; 163: 637
- Stomach, cysts**
- cyst formation in gastric heterotopic pancreas: report of two cases, Claudon M; Verain AL; Bigard MA; Boissel P; Poisson P; Floquet J; Regent D. *Radiology* 1988; 169: 659
- gastric duplication cyst: GI series and CT correlation, Hulnick DH; Balthazar EJ. *Gastrointest Radiol* 1987; 12: 106
- gastric pneumatosis secondary to an intramural feeding catheter, Mandell GA; Finkelstein M. *Pediatr Radiol* 1988; 18: 418
- pediatric case of the day: annual meeting, 1985, Bisset GS III; Towbin RB. *Radiographics* 1986; 6: 917
- subdiaphragmatic bronchogenic cyst with gastric communication, Braffman B; Keller R; Gendal ES; et al. *Gastrointest Radiol* 1988; 13: 309
- Stomach, dilatation**
- gastric dilatation observed on radionuclide studies: spherical approximation and effective wall thickness, Spencer RP; Kayani N; Karimeddini MK. *Clin Nucl Med* 1986; 11: 704
- Stomach, diseases**
- gastric trichobezoar: sonographic findings, McCracken S; Jongeward R; Silver TM; Jafri SZH. *Radiology* 1986; 161: 123
- gastric tuberculosis: manifestation of acquired immunodeficiency syndrome, Brody JM; Miller DK; Zeman RK; Klappenbach RS; Jaffe MH; Clark LR; Benjamin SB; Choyke PL. *Radiology* 1986; 159: 347
- Menetrier's disease in childhood associated with cytomegalovirus infection: case report and review of the literature, Coad NAG; Shah KJ. *Br J Radiol* 1986; 59: 615
- pediatric hypertrophic gastropathy, Marks MP; Lanza MV; Kahlstrom EJ; et al. *AJR* 1986; 147: 1031
- sarcoidosis as a cause of linitis plastica, Bellan L; Semelka R; Warren CPW. *J Canad Assoc Radiol* 1988; 39: 72
- sonography of the normal and abnormal stomach (excluding hypertrophic pyloric stenosis) in children, Stringer DA; Daneman A; Brunelle F; et al. *J Ultrasound Med* 1986; 5: 183

- splenic penetration by benign gastric ulcer: preoperative recognition with CT, Glick SN; Levine MS; Teplick SK; Gasparaitis A, *Radiology* 1987; 163: 637
- Stomach, diverticula**
- gastric diverticulum mimicking adrenal mass: CT demonstration, Silverman PM, *JCAT* 1986; 10: 709
- gastric diverticulum simulating an adrenal mass: CT appearance and embryogenesis, Schwartz AN; Goiney RC; Graney DO, *AJR* 1986; 146: 553
- Stomach, hemorrhage**
- case report: radiographic and ultrasound appearances of an intra-mural haematoma of the pylorus, Bisset RAL; Gupta SC; Zammit-Maempel I, *Clin Radiol* 1988; 39: 316
- submucosal gastric haematoma: a case report and review of the literature, Elliott S; Bruce J, *Br J Radiol* 1987; 60: 1132
- Stomach, infection**
- invasive gastric candidiasis, Pugh TF; Fitch SJ, *Pediatr Radiol* 1986; 16: 67
- Stomach, inflammation**
- See Gastritis
- Stomach, interventional procedure**
- anastomotic strictures of the upper gastrointestinal tract: results of balloon dilation, de Lange EE; Shaffer HA Jr, *Radiology* 1988; 167: 45
- balloon techniques for percutaneous gastrostomy in a patient with partial gastrectomy, Varney RA; vanSonnenberg E; Casola G; Sukthankar R, *Radiology* 1988; 167: 69
- percutaneous gastrostomy, Wills JS; Oglesby JT, *Radiology* 1988; 167: 41
- percutaneous gastrostomy and percutaneous gastrojejunostomy in children: antegrade approach, Towbin RB; Ball WS Jr; Bisset GS III, *Radiology* 1988; 168: 473
- Stomach, ischemia**
- ischemic or infarcted bowel: CT findings, Alpern MB; Glazer GM; Francis IR, *Radiology* 1988; 166: 149
- Stomach, motility**
- proximal, distal and total stomach emptying of a digestible solid meal in normal subjects, Collins PJ; Horowitz M; Chatterton BE, *Br J Radiol* 1988; 61: 12
- Stomach, MR studies**
- MR imaging of diffusely infiltrating gastric carcinoma, Winkler ML; Hricak H; Higgins CB, *JCAT* 1987; 11: 337
- ³¹P NMR spectroscopy of the stomach by zig-zag coil, Nakada T; Kwee IL; Miyazaki T, et al, *Magn Res Med* 1987; 5: 449
- Stomach, mucosa**
- effect of barium suspension viscosity on the delineation of areae gastricae, Rubesin SE; Herlinger H, *AJR* 1986; 146: 35
- heterotopic gastric mucosa in the duodenum: radiographic findings, Agha FP; Gahremani GG; Tsang T-K; et al, *AJR* 1988; 150: 291
- multiple transverse folds in the gastric antrum, Cho KC; Gold BM; Printz DA, *Radiology* 1987; 164: 339
- radiologic findings of linear gastric erosions, Momoshima S; Imai Y; Sugino Y; et al, *AJR* 1986; 147: 701
- symptomatic congenital ectopic gastric mucosa in the upper esophagus, Williams SM; May C; Krause DW; et al, *AJR* 1987; 148: 147
- Stomach, neoplasms**
- calcified gastric cancer: report of a case and review of literature, Rotondo A; Grassi R; Smaltino F; et al, *Br J Radiol* 1986; 59: 405
- case of minute gastric cancer preoperatively diagnosed, Kusumoto S; Tsukino H; Watanabe K; et al, *Eur J Radiol* 1987; 7: 65
- case report: gastric and periurethral metastases from seminoma testis, Fowle S; Taylor RE; Preston P; et al, *Clin Radiol* 1987; 38: 63
- cavitating metastases of the stomach and duodenum, Radin DR; Halls JM, *CT* 1987; 11: 283
- comparative features of esophageal and gastric adenocarcinomas: recent changes in type and frequency, (ab), Wang HH; Antonioli DA; Goldman H, *Radiology* 1986; 161: 858
- computed tomographic staging of gastrointestinal tract malignancies. part I. esophagus and stomach, Halvorsen RA Jr; Thompson WM, *Invest Radiol* 1987; 22: 2
- computed tomography in the preoperative evaluation of gastric carcinoma, Kleinhaus U; Militianu D, *Gastrointest Radiol* 1988; 13: 97
- computed tomography of calcified gastric carcinoma: a case report, Wisc AG; Sage MR, *Australas Radiol* 1987; 31: 267
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubesin SE; Herlinger H; Laufer I, *Radiology* 1988; 168: 593
- early gastric cancer: 21-year experience, (ab), Bringaze WL III; Chappuis CW; Cohn I Jr; et al, *Radiology* 1987; 162: 586
- exogastric cystic gastric leiomyoblastoma with unusual CT appearance, Choi BL; Ok ID; Im J-G; et al, *Gastrointest Radiol* 1988; 13: 109
- exogastric leiomyoblastoma: rare gastric neoplasm mimicking left hepatic mass on computed tomography, Stanley JH; Ravenel D; Parker TH; et al, *CT* 1986; 10: 187
- exogastric neurilemmoma presenting as acute abdomen: role of computed tomography in diagnosis, Nussinson E; Vigder L; Kaveh Z; et al, *Gastrointest Radiol* 1988; 13: 306
- gallium-67 detection of occult gastric lymphoma in AIDS, Gianfelice D; Rosenthal L; Falut J, *AJR* 1987; 149: 305
- gastric adenocarcinoma complicating Gardner's syndrome in a North American woman, (ab), Coffey RJ Jr; Knight CD Jr; van heerden JA; et al, *Radiology* 1986; 158: 568
- gastric adenocarcinoma: CT versus surgical staging, Suseman SK; Halvorsen RA Jr; Illescas FF; Cohan RH; Saeed M; Silverman PM; Thompson WM; Meyers WC, *Radiology* 1988; 167: 335
- gastric and duodenal polyps in familial adenomatous polyposis: a prospective study of the nature and prevalence of upper gastrointestinal polyps, (ab), Sarre RG; Frost AG; Jagelman DG; et al, *Radiology* 1987; 165: 588
- gastric cardia metastasis in esophageal carcinoma, Glick SN; Teplick SK; Levine MS; Caroline DF, *Radiology* 1986; 160: 627
- gastric emphysema demonstrated by computed tomography, Martin DF; Hartley G, *Br J Radiol* 1986; 59: 505
- gastric hamartomatous polyp without polyposis coli: radiologic diagnosis, Sato T; Sakai Y; Ishiguro S; et al, *Gastrointest Radiol* 1988; 13: 19
- gastric involvement by omental cakes: radiographic findings, Rubesin SE; Levine MS; Glick SN, *Gastrointest Radiol* 1986; 11: 223
- gastric leiomyosarcoma: comparative value of barium examinations, ultrasonography and CT scans, Bruneton JN; Caramella E; Cazenave P; et al, *Eur J Radiol* 1987; 7: 160
- gastric wall thickness in normal and neoplastic subjects: a prospective study performed by abdominal ultrasound, Rapacini GL; Aliotta A; Pompili M; et al, *Gastrointest Radiol* 1988; 13: 197
- gastroduodenal intussusception secondary to prolapsing gastric tumors, Kleinhaus U; Weich YL; Maox Z, *Gastrointest Radiol* 1986; 11: 229
- general case of the day: annual meeting, 1985, Muhm JR, *Radiographics* 1986; 6: 914
- increased risk of cancer at multiple sites after gastric surgery for peptic ulcer, (ab), Caygill CPJ; Hill MJ; Hall CN; et al, *Radiology* 1988; 167: 586
- inflammatory fibroid polyp of the stomach in a child, Schroeder BA; Wells RG; Sty JR, *Pediatr Radiol* 1987; 17: 71
- malignant gastric sarcoma—diagnosis by ultrasound and endoscopy, Schneider K; Dickerhoff R; Bertele RM, *Pediatr Radiol* 1986; 16: 69
- MR imaging of diffusely infiltrating gastric carcinoma, Winkler ML; Hricak H; Higgins CB, *JCAT* 1987; 11: 337
- multiple transverse folds in the gastric antrum, Cho KC; Gold BM; Printz DA, *Radiology* 1987; 164: 339
- natural history of fundic gland polyposis in patients with familial adenomatous coli/Gardner's syndrome, (ab), Iida M; Yao T; Itoh H; et al, *Radiology* 1986; 160: 573
- normal stomach wall and gastric cancer: evaluation with high-resolution operative US, Machi J; Takeda J; Sigel B; Kakegawa T, *Radiology* 1986; 159: 85
- peptic ulcer and gastric carcinoma: diagnosis with biphasic radiography compared with fiberoptic endoscopy, Shaw PC; van Romunde LKJ; Griffioen G; Janssens AR; Kreuning J; Eilers GAM, *Radiology* 1987; 163: 39
- percutaneous gastrostomy: applications in gastric carcinoma and gastroplasty stoma dilatation, Wills JS, *AJR* 1986; 147: 826
- primary B-cell gastric lymphoma, (ab), Isaacson PG; Spenser J; Finn T, *Radiology* 1986; 161: 858
- primary gastric lymphoma versus gastric carcinoma: endoscopic US evaluation, Bolondi L; Casanova P; Caletti GC; Grigioni W; Zani L; Barbera L, *Radiology* 1987; 165: 821
- radiation therapy for advanced gastric cancer, Tsukiyama I; Akine Y; Kajura Y; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 123
- radiographic appearance of the esophagus and stomach after laser treatment of obstructing carcinoma, Wolf EL; Frager J; Brandt LJ; et al, *AJR* 1986; 146: 519
- radiologic manifestations of early gastric lymphoma, Sato T; Sakai Y; Ishiguro S; et al, *AJR* 1986; 146: 513
- radiotherapy of gastric cancer with a three field combination: feasibility, tolerance, and survival, Caudry M; Escarmant P; Maire JP; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1821
- risk of stomach cancer in association with serum cholesterol and beta-lipoprotein, Törnberg SA; Carstensen JM; Holm L-E, *Acta Oncol* 1988; 27: 39
- sonography of focal foveolar hyperplasia causing gastric obstruction in an infant, McAlister WH; Katz ME; Perlman JM; et al, *Pediatr Radiol* 1988; 18: 79
- ultra-sonographic diagnosis of submucosal tumors of the stomach: the "bridging layers" sign, Miyamoto Y; Tsujimoto F; Tada S, *JCU* 1988; 16: 251
- villous tumors of the stomach, Gaitini D; Kleinhaus U; Munichor M; et al, *Gastrointest Radiol* 1988; 13: 105
- Stomach, polyps**
- See Stomach, neoplasms
- Stomach, radiography**
- double-contrast upper gastrointestinal examination: technique and interpretation, Levine MS; Rubesin SE; Herlinger H; Laufer I, *Radiology* 1988; 168: 593
- effect of glucagon-(1-21)-peptide on gastrooduodenal motility during upper gastrointestinal examination: randomized trials, Strandberg C; Falkenberg P; Dorph S; et al, *Acta Radiol* 1988; 29: 49
- gastric cardia metastasis in esophageal carcinoma, Glick SN; Teplick SK; Levine MS; Caroline DF, *Radiology* 1986; 160: 627
- multiphasic examinations of the stomach, Op den Orth JO, *Radiology* 1987; 165: 583
- multiphasic examinations of the stomach: efficacy of individual techniques and combinations of techniques in detecting 153 lesions, Gelfand DW; Chen YM; Ott DJ, *Radiology* 1987; 162: 829
- multiphasic examinations of the stomach: reply, Gelfand DW; Ott DJ; Chen YM, *Radiology* 1987; 165: 584
- negative double-contrast barium meal—qualified reassurance, Arfeen S; Salter RH; Girdwood TG, *Clin Radiol* 1987; 38: 49
- percutaneous contrast examination of the stomach after gastric bypass, McNeely GF; Kinard RE; Macgregor AM; et al, *AJR* 1987; 149: 928
- Stomach, radionuclide studies**
- biphasic nature of gastric emptying, (ab), Siegel JA; Urbair JL; Adler LP; et al, *Radiology* 1988; 168: 586
- communicating gastric-subphrenic abscess proven by combined technetium-99m pertechnetate and sulfur colloid imaging, Cohen AJ; Bridges R; Rowen SJ, *Clin Nucl Med* 1987; 12: 403

Stomach, radionuclide studies

- comparison of technetium-99m sulfur colloid and technetium-99m albumin colloid labeled solid meals for gastric emptying studies, Taillefer R; Dousnard J-M; Beauchamp G; et al, *Clin Nucl Med* 1987; 12: 597
- delayed gastric emptying associated with gastric bezoar, Singh A; Barthel J, *Semin Nucl Med* 1988; 18: 173
- gastric dilatation observed on radionuclide studies: spherical approximation and effective wall thickness, Spencer RP; Kayani N; Karimeddini MK, *Clin Nucl Med* 1986; 11: 704
- gastric emptying studies in the morbidly obese before and after gastropylasty, Christian PE; Datz FL; Moore JG, *J Nucl Med* 1986; 27: 1686
- gastric ulcer localization by direct in vivo labeling of sucralate, Tietze P; Gratz KF; Hundeshagen H, *Radiology* 1986; 161: 569
- gastric ulcer localization by direct in vivo labeling of sucralate: reply, Seevers RH, *Radiology* 1986; 161: 569
- gender-related differences in gastric emptying, Datz FL; Christian PE; Moore J, *J Nucl Med* 1987; 28: 1204
- radionuclide gastric emptying studies in patients with anorexia nervosa, Domstad PA; Shih W-J; Humphries L; et al, *J Nucl Med* 1987; 28: 816
- resolution of massive technetium-99m methylene diphosphonate uptake in the stomach in vitamin D intoxication, Corstens F; Kerremans A; Claessens R, *J Nucl Med* 1986; 27: 219
- scintigraphic evaluation of duodenogastric reflux: problems, pitfalls, and technical review, Drane WE; Karvelis K; Johnson DA; et al, *Clin Nucl Med* 1987; 12: 377
- Stomach, reflux**
- disorders of gallbladder function related to duodenogastric reflux in technetium-99m DISIDA hepatobiliary scintigraphy, Shih W-J; Coupal JJ; Domstad PA; et al, *Clin Nucl Med* 1987; 12: 857
- effects of aspirin and prostaglandin E₂ on interdigestive motility complex and duodenogastric reflux in man, (ab), Dooley CP; Mello WD; Valenzuela JE, *Radiology* 1986; 158: 568
- enterogastric reflux in suspected acute cholecystitis, Colletti PM; Barakos JA; Siegel ME; et al, *Clin Nucl Med* 1987; 12: 533
- scintigraphic evaluation of duodenogastric reflux: problems, pitfalls, and technical review, Drane WE; Karvelis K; Johnson DA; et al, *Clin Nucl Med* 1987; 12: 377
- scintigraphic study of duodenal-gastric reflux in cases of primary gastropathy, chronic ulcer of the duodenal bulb, and Moynihan's disease, Dufresne F; Carrier L; Gagnon M; et al, *J Nucl Med* 1988; 29: 17
- Stomach, stenosis or obstruction**
- anastomotic strictures of the upper gastrointestinal tract: results of balloon dilation, de Lange EE; Shaffer HA Jr, *Radiology* 1988; 167: 45
- chronic traumatic diaphragmatic hernia: the significance of pleural effusion, Aronchick JM; Epstein DM; Geffer WB; Miller WT, *Radiology* 1988; 168: 675
- Stomach, surgery**
- direct percutaneous jejunostomy, Gray RR; Ho C-S; Yee A; et al, *AJR* 1987; 149: 931
- gastric emptying before and after transverse gastropylasty for morbid obesity, Vezina WC; Grace DM; Chamberlain MJ; et al, *Clin Nucl Med* 1986; 11: 308
- gastric emptying studies in the morbidly obese before and after gastropylasty, Christian PE; Datz FL; Moore JG, *J Nucl Med* 1986; 27: 1686
- increased risk of cancer at multiple sites after gastric surgery for peptic ulcer, (ab), Caygill CP; Hill MJ; Hall CN; et al, *Radiology* 1988; 167: 586
- interventional radiologic treatment of complications following gastric bypass surgery for morbid obesity, Mishkin JD; Meranze SG; Burke DR; et al, *Gastrointest Radiol* 1988; 13: 9
- morbid obesity treated by gastropylasty: radionuclide gastric emptying studies, Drane WE, *Radiology* 1986; 159: 816
- morbid obesity treated by gastropylasty: radionuclide gastric emptying studies: reply, Arnstein NB; Shapiro B, *Radiology* 1986; 159: 816
- partial gastrectomy: a risk factor for carcinoma of the pancreas? (ab), Offerhaus GJA; Giardiello FM; Moore GW; et al, *Radiology* 1987; 164: 588
- percutaneous contrast examination of the stomach after gastric bypass, McNeely CF; Kinard RE; Macgregor AM; et al, *AJR* 1987; 149: 928
- radiographic findings after incomplete pyloromyotomy, Jamroz GA; Blocker SH; McAlister WH, *Gastrointest Radiol* 1986; 11: 139
- radiologically guided dilatation of stenotic gastroduodenal anastomosis, Hegedus V; Raaschou HO, *Gastrointest Radiol* 1986; 11: 27
- radiologic findings after fundoplication compared with a pH reflux test and symptoms, Fransson SG; Sokjer H; Johansson K-E; et al, *Acta Radiol* 1986; 27: 33
- retroanastomotic herniation mimicking biliary leakage in a cholecystographic pattern, Liu R-S; Yen T-C; Kuo S-J; et al, *Clin Nucl Med* 1987; 12: 673
- Stomach, therapeutic radiology**
- radiation therapy for advanced gastric cancer, Tsukiyama I; Akine Y; Kajura Y; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 123
- radiotherapy of gastric cancer with a three field combination: feasibility, tolerance, and survival, Caudry M; Escarmant P; Maire JP; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1821
- Stomach, ulcer**
- See Peptic ulcer
- Stomach, US studies**
- cyst formation in gastric heterotopic pancreas: report of two cases, Claudon M; Verain AL; Bigard MA; Boissel P; Poisson P; Floquet J; Regent D, *Radiology* 1988; 169: 659
- gastric trichobezoar: sonographic findings, McCracken S; Jongeward R; Silver TM; Jafri SZH, *Radiology* 1986; 161: 123
- gastric wall thickness in normal and neoplastic subjects: a prospective study performed by abdominal ultrasound, Rapaccini GL; Aliotta A; Pompili M; et al, *Gastrointest Radiol* 1988; 13: 197
- measurement of gastric emptying time by real-time ultrasonography, (ab), Bolondi L; Bortolotti M; Santi V; et al, *Radiology* 1986; 160: 573
- normal stomach wall and gastric cancer: evaluation with high-resolution operative US, Machi J; Takeda J; Sigel B; Kakegawa T, *Radiology* 1986; 159: 85
- primary gastric lymphoma versus gastric carcinoma: endoscopic US evaluation, Bolondi L; Casanova P; Caletti CC; Grigioni W; Zani L; Barbara L, *Radiology* 1987; 165: 821
- sonographic appearance of the normal gastric wall: in vitro study, Bolondi L; Casanova P; Santi V; et al, *Ultrasound Med Biol* 1986; 12: 991
- sonography of the normal and abnormal stomach (excluding hypertrophic pyloric stenosis) in children, Stringer DA; Daneman A; Brunelle F; et al, *J Ultrasound Med* 1986; 5: 183
- ultrasonic demonstration of acute multiple gastric ulcers in a child, Tomooka Y; Koga T; Shimoda Y; et al, *Br J Radiol* 1987; 60: 290
- ultrasonic evaluation of gastric clearing in young infants, Lambrecht L; Robberecht F; Deschynkel K; et al, *Pediatr Radiol* 1988; 18: 314
- ultrasonographic diagnosis of submucosal tumors of the stomach: the "bridging layers" sign, Miyamoto Y; Tsujimoto F; Tada S, *JCU* 1988; 16: 251
- ultrasonography of gastric phytobezoar, Bidula MM; Rifkin MD; McCoy RI, *JCU* 1986; 14: 49
- Stomach, varices**
- extensive gastric varices demonstrated by technetium-99m red blood cell scintigraphy, Shih W-J; Domstad PA; Loh F-G; et al, *Clin Nucl Med* 1987; 12: 290
- Stomach, volvulus**
- angiographic diagnosis of gastric volvulus with report of a complication following left gastric artery embolization, Robbins SM; Tuten TU; Clements JL; et al, *Gastrointest Radiol* 1988; 13: 112
- differential retrocardiac air-fluid level: sign of intrathoracic gastric volvulus, Scott RL; Felker R; Winer-Muram HT; et al, *J Canad Assoc Radiol* 1986; 37: 119
- Streptokinase**
- arterial and venous embolization: declothing of dialysis shunts by direct injection of streptokinase, Zeit RM, *Radiology* 1986; 159: 639
- case report: popliteal artery perforation during low dose intra-arterial streptokinase infusion, Earnshaw JJ; Gregson RSH; Lowe JS; et al, *Clin Radiol* 1987; 38: 321
- early treatment of acute myocardial infarction with intravenous streptokinase: a high-risk syndrome, (ab), Koren G; Luria MH; Weiss AT; et al, *Radiology* 1987; 163: 836
- effects of intracoronary thrombolysis on global left ventricular function assessed by an automated edge detection technique, van der Wall EE; Res JC; van Eenige MJ; et al, *J Nucl Med* 1986; 27: 478
- efficacy of low-dose streptokinase in acute arterial occlusion and graft thrombosis, (ab), Kakkasseri JS; Cranley JJ; Arbaugh JJ; et al, *Radiology* 1986; 158: 282
- fibrinolytic therapy, Klatte EC; Becker GJ; Holden RE; Yune HY, *Radiology* 1986; 159: 619
- forceful pulsatile local infusion of enzyme accelerates thrombolysis: in vivo evaluation of a new delivery system, Kandarpa K; Drinker PA; Singer SJ; Caramore D, *Radiology* 1988; 168: 739
- incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, (ab), Brown BG; Gallery CA; Badger RS; et al, *Radiology* 1986; 160: 859
- intraarterial fibrinolysis: in vitro and prospective clinical evaluation of three thrombolytic agents, Pilger E; Lammer J; Bertsch H; Steiner H, *Radiology* 1986; 161: 597
- intraarterial fibrinolysis: long-term results, Lammer J; Pilger E; Neumayer K; Schreyer H, *Radiology* 1986; 161: 159
- intraarterial fibrinolytic therapy for popliteal and tibial artery obstruction: comparison of streptokinase and urokinase, Traugott PD; Cook PS; Micklos TJ; et al, *AJR* 1987; 149: 453
- intraarterial low-dose streptokinase infusion in the treatment of acute renal thromboembolism, Wilms GE; Vermeylen J; Baert AL, *Eur J Radiol* 1987; 7: 72
- intracoronary administration of streptokinase in a canine model: disturbances in thromboxane A₂-prostaglandin balance, Becker GJ; Kreipke DL; Holden RW; et al, *Invest Radiol* 1986; 21: 206
- low-dose streptokinase thrombolysis of axillary-subclavian vein thrombosis, Huey H; Morris DC; Nichols DM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 92
- methodology and results of intravenous thrombolysis in acute myocardial infarction, Neuhaus K-L, *Cardiovasc Intervent Radiol* 1986; 9: 253
- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Mietasch A; Bruckl R, *Radiology* 1987; 163: 753
- selective low-dose streptokinase infusion in the treatment of acute transplant renal vein thrombosis, Robinson JM; Cockrell CH; Tisnado J; et al, *Cardiovasc Intervent Radiol* 1986; 9: 86
- streptokinase, urokinase, and tissue plasminogen activator: pharmacokinetics, relative advantages, and methods for maximizing rates and consistency of lysis, Maizel AS; Bookstein JJ, *Cardiovasc Intervent Radiol* 1986; 9: 236
- technique and results of "higher-dose" infusion, McNamara T, *Cardiovasc Intervent Radiol* 1988; 11: 548
- technique and results of "low-dose" infusion, Katzen BT, *Cardiovasc Intervent Radiol* 1988; 11: 541
- treatment of frostbite with IV streptokinase: an experimental study of rabbits, Salimi Z; Wolverson MK; Herbold DR; et al, *AJR* 1987; 149: 773

- treatment of grafts and major vessel thrombosis with low-dose streptokinase in children, (ab), LeBlanc JG; Culham JAG; Chan K-W; et al, *Radiology* 1986; 161: 864
- treatment of massive acute pulmonary embolism: the use of low doses of intrapulmonary arterial streptokinase combined with full doses of systemic heparin, (ab), Leeper KV Jr; Popovich J Jr; Lesser BA; et al, *Radiology* 1988; 169: 681
- treatment of peripheral arterial obstruction with streptokinase: results in arterial vs graft occlusions, LeBolt SA; Tisnado J; Cho S-R, *AJR* 1988; 151: 589
- urokinase versus streptokinase in local thrombolysis, van Breda A; Katzen BT; Deutsch AS, *Radiology* 1987; 165: 109
- ### Subarachnoid space
- penetration of subarachnoid contrast medium into rabbit spinal cord: comparison between metrizamide and iohexol, Holtas S; Morris TW; Ekholm SE; et al, *Invest Radiol* 1986; 21: 151
- ### Subarachnoid space, CT
- interpeduncular fossa sign: CT criterion of subarachnoid hemorrhage, Yeakley JW; Patchall LL; Lee KF, *Radiology* 1986; 158: 699
- ### Subarachnoid space, hemorrhage
- interpeduncular fossa sign: CT criterion of subarachnoid hemorrhage, Yeakley JW; Patchall LL; Lee KF, *Radiology* 1986; 158: 699
- MR identification of bleeding site in subarachnoid hemorrhage with multiple intracranial aneurysms, Hackney DB; Lesnick JE; Zimmerman RA; et al, *JCAT* 1986; 10: 878
- ### Subclavian steal syndrome
- percutaneous transluminal angioplasty of subclavian arteries, Burke DR; Gordon RL; Mishkin JD; McLean GK; Meranze SG, *Radiology* 1987; 164: 699
- right subclavian steal associated with aberrant right subclavian artery, Rowe DM; Becker GJ; Scott JA; et al, *AJNR* 1988; 9: 604
- subclavian aneurysm producing the subclavian steal syndrome, Otto R; Tan WS; Spigos DG, *Cardiovasc Intervent Radiol* 1986; 9: 90
- subclavian artery steal syndrome: treatment by percutaneous transluminal angioplasty, Erstein RA; Wholey KH; Smoot S, *AJR* 1988; 151: 291
- ### Subtraction
- dynamic variable background subtraction: simple means of displaying radiolabeled monoclonal antibody scintigrams, Wahl RL; Tuscan MC; Botti JM, *J Nucl Med* 1986; 27: 545
- rotator cuff disruption: diagnosis with digital arthrography, Stiles RG; Resnick D; Sartoris DJ; Andre MP, *Radiology* 1988; 168: 705
- ### Subtraction, dual-energy
- bone mineral assessment: new dual-energy CT approach, Nickoloff EL; Feldman F; Atherton JV, *Radiology* 1988; 168: 223
- breast imaging: dual-energy projection radiography with digital radiography, Asaga T; Chiyaasu S; Mastuda S; Mastuura H; Kato H; Ishida M; Komaki T, *Radiology* 1987; 164: 869
- calcification in pulmonary nodules: detection with dual-energy digital radiography, Fraser RG; Hickey NM; Niklason LT; Sabbagh EA; Luna RF; Alexander CB; Robinson CA; Katzenstein A-LA; Barnes GT, *Radiology* 1986; 160: 595
- dual-energy projection radiography using condenser x-ray generator and digital radiography apparatus, Nishitani H; Umezaki Y; Ogawa K; Yuzuriha H; Tanaka H; Matsura K, *Radiology* 1986; 161: 533
- effect of collagen on bone mineral analysis with CT, Goodsitt MM; Kilcoyne RF; Gutcheck RA; Richardson ML; Rosenthal DL, *Radiology* 1988; 167: 787
- one-shot dual-energy subtraction chest imaging with computed radiography: clinical evaluation of film images, Ishigaki T; Sakuma S; Ikeda M, *Radiology* 1988; 168: 67
- one-shot dual-energy subtraction imaging, Ishigaki T; Sakuma S; Horikawa Y; Ikeda M; Yamaguchi H, *Radiology* 1986; 161: 271
- ### Surfactant
- exogenous lung surfactant: effect on radiographic appearance in premature infants, Wood BP; Sinkin RA; Kendig JW; Notter RH; Shapiro DL, *Radiology* 1987; 165: 11
- radiologic observations in severe neonatal respiratory distress syndrome treated with the isolated phospholipid fraction of natural surfactant, Mortenson W; Noack G; Curstedt T; et al, *Acta Radiol* 1987; 28: 389
- ### Surgery, complications
- bladder infarct, Nino-Murcia M; Friedland GW, *Urol Radiol* 1988; 9: 234
- chest radiograph after extrathoracic surgery, Shipley RT, *Semin Roentgenol* 1988; 23: 49
- CT and ultrasound findings of surgically retained sponges and towels, Yamato M; Ido K; Izutsu M; et al, *JCAT* 1987; 11: 1003
- CT appearance of a surgically retained towel (gossypiboma), Sheward SE; Williams AG Jr; Mettler FA Jr; et al, *JCAT* 1986; 10: 343
- dilated abdominal paraortic lymphatic duct: a possible pitfall in retroperitoneal US, Verbanck JJ; Vermeulen JT; Rutgeerts LJ; Depuyt FG; Ghillebert GL; Segaert MF; Naessens MH, *Radiology* 1988; 167: 701
- extracardiac complications of cardiac surgery, Thorsen MK; Goodman LR, *Semin Roentgenol* 1988; 23: 32
- lymphoceles: imaging characteristics and percutaneous management, vanSonnenberg E; Wittich GR; Casola G; Wing VW; Halasz NA; Lee AS; Withers C, *Radiology* 1986; 161: 593
- MRI differentiation of recurrent colorectal carcinoma from postoperative fibrosis, Gomberg JS; Friedman AC; Radecki PD; et al, *Gastrointest Radiol* 1986; 11: 361
- MR imaging of complications of aortic surgery, Auffermann W; Olofsson P; Stoney R; et al, *JCAT* 1987; 11: 982
- phrenic nerve paralysis after pediatric cardiac surgery, (ab), Watanabe T; Trusler GA; Williams WG; et al, *Radiology* 1988; 168: 296
- postappendectomy fluid collections in children: incidence, nature, and evolution evaluated using US, Baker DE; Silver TM; Coran AG; McMillin KI, *Radiology* 1986; 161: 341
- preoperative chest radiography, Mann H, *Radiology* 1988; 167: 282
- preoperative chest radiography: reply, Mendelson DS; Rabinowitz JG, *Radiology* 1988; 167: 282
- preoperative chest radiography: value as a baseline examination for comparison, Mendelson DS; Khilnani N; Wagner LD; Rabinowitz JG, *Radiology* 1987; 163: 341
- radiography after orthognathic surgery: part II. surgical complications, Kaplan PA; Tu HK; Koment MA; Ruskin JD; Bennion J, *Radiology* 1988; 167: 195
- refractory afferent loop problems: percutaneous transhepatic management of two cases, Lee LL; Teplick SK; Haskin PH; Sammon JK; Wolfert C; Amron G, *Radiology* 1987; 165: 49
- retained surgical sponges: CT and US appearance, Kokubo T; Itai Y; Ohtomo K; Yoshikawa K; Iio M; Atomi Y, *Radiology* 1987; 165: 415
- subcutaneous emphysema after percutaneous gastrostomy, Wojtowycz MM; Arata JA Jr, *AJR* 1988; 151: 311
- ultrasound scanning of post-operative wounds—the risks of cross-infection, Spencer P; Spencer RC, *Clin Radiol* 1988; 39: 245
- ### Swallowing
- See Pharynx
- ### Synovial fluid
- knee arthrography: effects of various contrast media and epinephrine on synovial fluid, Corbetti F; Malatesta V; Camposampiero A; Mazzi A; Punzi L; Angelini F; Vigo M; Todesco S, *Radiology* 1986; 161: 195
- ### Synovial membrane
- case report 451, Lagier R, *Skeletal Radiol* 1987; 16: 660
- magnetic resonance imaging of lesions of synovial origin, Sundaram M; McGuire MH; Fletcher J; et al, *Skeletal Radiol* 1986; 15: 110
- transient synovitis of the hip in children: role of US, Marchal GJF; Van Holsbeek MT; Raes M; Favril AA; Verbeke EE; Casteels-Vandaele M; Baert AL; Lauweryns JM, *Radiology* 1987; 162: 825
- ### Synovial membrane, cysts
- bilateral synovial cysts creating spinal stenosis: CT diagnosis, Conrad MR; Pitkethly DT, *JCAT* 1987; 11: 196
- magnetic resonance imaging of lesions of synovial origin, Sundaram M; McGuire MH; Fletcher J; et al, *Skeletal Radiol* 1986; 15: 110
- symptomatic intraspinal synovial cysts: opacification and treatment by percutaneous injection, Björkengren AG; Kurz LT; Resnick D; et al, *AJR* 1987; 148: 105
- synovial cysts of the lumbar spine: CT evaluation, Wang A-M; Haykal HA; Lin JCT; et al, *Comput Radiol* 1987; 11: 253
- ### Synovitis
- case report 348, Present DA; Bertoni F; Enneking WF, *Skeletal Radiol* 1986; 15: 236
- case report 463, Zwass A; Abdelwahab IF; Klein MJ, *Skeletal Radiol* 1988; 17: 81
- characterization of "transient synovitis of the hip" in children, (ab), Hauelsen DC; Weiner DS; Weiner SD, *Radiology* 1986; 159: 824
- concentric joint space narrowing of the hip associated with hemodysiderotic synovitis (HS) including pigmented villonodular synovitis (PVNS), Abrahams TG; Pavlov H; Kansal M; et al, *Skeletal Radiol* 1987; 17: 37
- conventional radiography in transient synovitis of the hip in children, Egund N; Haneegawa Y; Petterson H; et al, *Acta Radiol* 1987; 28: 193
- CT myelography of extradural pigmented villonodular synovitis, Retrum ER; Schmidlin TM; Taylor WK; et al, *AJNR* 1987; 8: 727
- hip joint fluid in the presence of the vacuum phenomenon, Middleton WD; McAlister WH, *Pediatr Radiol* 1986; 16: 171
- Legg-Calve-Perthes disease: detection of cartilaginous and synovial changes with MR imaging, Rush BH; Bramson RT; Ogden JA, *Radiology* 1988; 167: 473
- magnetic resonance imaging of pigmented villonodular synovitis: report of two cases, Spritzer CE; Dalinka MK; Kressel HY, *Skeletal Radiol* 1987; 16: 316
- pigmented villonodular synovitis: report of MR imaging in two cases, Kottal RA; Vogler JB III; Matamoros A; Alexander AH; Cookson JL, *Radiology* 1987; 163: 551
- transient synovitis of the hip in children: role of US, Marchal GJF; Van Holsbeek MT; Raes M; Favril AA; Verbeke EE; Casteels-Vandaele M; Baert AL; Lauweryns JM, *Radiology* 1987; 162: 825
- validity of radiographic assessment of childhood transient synovitis of the hip, Rosenberg M; Mortenson W, *Acta Radiol* 1986; 27: 85
- ### Syphilis
- meningovascular syphilis: CT and MR findings, Holland BA; Perrett LV; Mills CM, *Radiology* 1986; 158: 439
- radiological findings in syphilitic proctitis, Singcharoen T; Fraisantrangkul O-A, *Br J Radiol* 1987; 60: 1137
- radionuclide imaging in a case of tertiary syphilis involving the liver and bones, Cronin EB; Williams WH; Tow DE, *J Nucl Med* 1987; 28: 1047
- tertiary syphilis of the liver: CT appearance, Shapiro MP; Gale ME, *JCAT* 1987; 11: 546
- ### Syringomyelia
- conventional and CT metrizamide myelography in Arnold-Chiari I malformation and syringomyelia, Li KC; Chui MC, *AJNR* 1987; 8: 11
- C T. metrizamide myelography in syringohydromyelia, Kao VRK; Mandalam R; Soueiera R; et al, *J Neurosurg* 1987; 14: 82

Syringomyelia

- early sequelae of gunshot wounds to the spine: radiologic diagnosis, Gellad FE; Paul KS; Geisler EH, *Radiology* 1988; 167: 523
- idiopathic spinal arachnoid cyst and syringomyelia, Clifton AG; Ginsberg L; Webb WJS; et al, *Br J Radiol* 1987; 60: 1023
- magnetic resonance imaging (MRI) appearances of syringomyelia, Houang MTW; Stern M; Brew B; et al, *Australas Radiol* 1988; 32: 172
- magnetic resonance imaging (MRI) of pseudosyrinxes, Houang MTW; Stern M; Brew B; et al, *Australas Radiol* 1988; 32: 178
- magnetic resonance imaging of syringomyelia occurring after operation on spinal intramedullary tumours by Cavitron ultrasonic aspirator, Avrahami E; Herskovitz PI; Cohn DF, *Br J Radiol* 1987; 60: 701
- MR appearance of syringomyelia: new observations, Sherman JL; Barkovich AJ; Citrin CM, *AJNR* 1986; 7: 985
- MRI in syringomyelia of congenital, infectious, traumatic or idiopathic origin: a study of 142 cases, Aubin ML; Baleriaux D; Cosnard G; et al, *J Neuroradiol* 1987; 14: 313
- MR imaging with gadolinium-DTPA in the differentiation of tumor, syrinx, and cyst of the spinal cord, Slasky BS; Bydder GM; Niendorf HP; et al, *JCAT* 1987; 11: 845
- MR of postoperative syringomyelia, Barkovich AJ; Sherman JL; Citrin CM; et al, *AJNR* 1987; 8: 319
- neuropathic arthropathy as a complication of post-traumatic syringomyelia, Kolawole T; Banna M; Hawass N; et al, *Br J Radiol* 1987; 60: 702
- post metrizamide CT in the diagnosis of syringomyelia, Foulner D; Khangure MS; Chakera TMH, *Australas Radiol* 1987; 31: 246
- syringobulbia extending to the basal ganglia, Valentini MC; Forni C; Bracchi M, *AJNR* 1988; 9: 205
- syringomyelia and cervical spondylosis: clinicoradiological investigation, Yu YL; Moseley IF, *Neuroradiol* 1987; 29: 143
- syringomyelia as a consequence of compressive extramedullary lesions: postoperative clinical and radiological manifestations, Castillo M; Quencer RM; Green BA; et al, *AJNR* 1987; 8: 973
- syringomyelia associated with intradural extramedullary masses of the spinal canal, Quencer RM; El Gammal T; Cohen G, *AJNR* 1986; 7: 143
- syringomyelia in association with posterior fossa cysts, Banna M, *AJNR* 1988; 9: 867
- syringomyelia: myelography, computed tomography, and magnetic resonance imaging, Deeb ZL; Daffner RH; Rothfus WE; et al, *CT* 1988; 12: 1
- syrinx-like artifacts on MR images of the spinal cord, Bronschi MJ; McVeigh ER; Kucharczyk W; Henkelman RM, *Radiology* 1988; 166: 485

T

Takayasu arteritis

- aortic pseudoaneurysm complicating Takayasu disease: CT appearance, Peterson IM; Guthaner DF, *JCAT* 1986; 10: 676
- case report: renovascular hypertension in Takayasu's disease treated by percutaneous transluminal angioplasty, Cook PG; Wells IP; Marshall AJ, *Clin Radiol* 1986; 37: 583
- digital subtraction angiography in Takayasu arteritis, Matsunaga N; Hayashi K; Aikawa H; et al, *Acta Radiol* 1987; 28: 247
- initial pulmonary artery involvement in Takayasu arteritis, Hayashi K; Nagasaki M; Matsunaga N; Hombi Z-I; Imamura T, *Radiology* 1986; 159: 401
- pulseless disease associated with multiple intracranial aneurysms, Masuzawa T; Kurokawa T; Oguro K; et al, *Neuroradiol* 1986; 28: 17
- radionuclide demonstration of systemic arterial supply to the lung in Takayasu's arteritis, Hardoff R; Halon D; Front A, *Clin Nucl Med* 1987; 12: 479

- Takayasu arteritis: radiographic and angiographic findings in 59 patients, Yamato M; Lecky JW; Hiramatsu K; Kohda E, *Radiology* 1986; 161: 329
- Takayasu's arteritis: decrease in aortic wall thickening following steroid therapy, documented by CT, Hayashi K; Fukushima T; Matsunaga N; et al, *Br J Radiol* 1986; 59: 281
- Takayasu's arteritis of the aortic arch: endovascular treatment and correlation with positron emission tomography, Theron J; Tyler JL, *AJNR* 1987; 8: 621
- Takayasu's disease: report of 3 cases, (ab), Du Toit DF; Warren B; McCormick M; et al, *Radiology* 1986; 158: 574
- vascular imaging with MRI: inadequacy in Takayasu's arteritis compared with angiography, Miller DL; Reinig JW; Volkman DJ, *AJR* 1986; 146: 949
- ventilation/perfusion mismatch of one lung in a patient with Takayasu's arteritis, Suzuki Y, *Clin Nucl Med* 1986; 11: 733

Talc

- talc: understanding its manifestations in the chest, Feigin DS, *AJR* 1986; 146: 295

Technetium, radioactive

- airflow measurement inaccuracies in aerosol imaging, Sirt SA; Miltz-Miller S; Notman DNH; Boyle MJ; Boudreau RJ; Loken MK, *Radiology* 1986; 159: 268
- aluminemic disturbance of technetium-99m DTPA renal function measurement, Specht HD; Belsey R; Hanada J, *J Nucl Med* 1987; 28: 383
- chemical breakdown of technetium-99m DTPA during nebulization, Waldman DL; Weber DA; Oberdorster G; et al, *J Nucl Med* 1987; 28: 378
- comparison of technetium-99m MAC₃ kit with HPLC-purified technetium-99m MAC₃ and OIH in rats, Coveney JR; Robbins MS, *J Nucl Med* 1987; 28: 1881
- "critical colloid dose" in studies of reticuloendothelial function, Bergqvist L; Sundberg R; Ryden S; et al, *J Nucl Med* 1987; 28: 1424
- detection of hemangiomas using whole-body imaging with technetium-99m labeled RBCs, Hollerman JJ; Bernstein MA; Froelich JW; et al, *Clin Nucl Med* 1986; 11: 716
- development of nonreducible technetium-99m(III) cations as myocardial perfusion imaging agents: initial experience in humans, Deutsch E; Venderheyden J-L; Gerundini P; et al, *J Nucl Med* 1987; 28: 1870
- dissolution rate and transit times of technetium-99m DTPA-labeled tablets, Maubiant JC; Sournac M; Aiache J-M; et al, *J Nucl Med* 1987; 28: 1199
- effects of varying geometry on dose calibrator response: cobalt-57 and technetium-99m, Calhoun JM; Golas DB; Harris SG, *J Nucl Med* 1987; 28: 1478
- evaluation in dogs and humans of three potential technetium-99m myocardial perfusion agents, Gerundini P; Savi A; Gilardi MC; et al, *J Nucl Med* 1986; 27: 409
- evaluation of Tc-99m mercaptoacetyltyrosine in patients with impaired renal function, Taylor A Jr; Eshima D; Christian PE; Milton W, *Radiology* 1987; 162: 365
- evaluation of technetium-99m DTPA for localization of site of acute upper gastrointestinal bleeding, Abdel-Dayem HM; Mahajan KK; Ericsson S; et al, *Clin Nucl Med* 1986; 11: 788
- inflammation: imaging with Tc-99m HMPAO-labeled leukocytes, Roddie ME; Peters AM; Danpure HJ; Osman S; Henderson BL; Lavender JP; Carroll MJ; Neirinx RD; Kelly JD, *Radiology* 1988; 166: 767
- intraperitoneal hemorrhage diagnosed by technetium-99m labeled RBC imaging, Czarnecki DJ, *Clin Nucl Med* 1986; 11: 617
- intrathoracic abnormalities demonstrated by technetium-99m sulfur colloid imaging, Shih W-J; Domstad PA; Friedman B; et al, *Clin Nucl Med* 1986; 11: 792
- in vivo inorganic chemistry of technetium cations, Deutsch E; Hirth W, *J Nucl Med* 1987; 28: 1491
- kinetic analysis of technetium-99m d,l-HM-PAO decomposition in aqueous media, Hung JC; Corlija M; Volkert WA; et al, *J Nucl Med* 1988; 29: 1568

- leukocyte labeling with technetium-99m tin colloids, Mock BH; English D, *J Nucl Med* 1987; 28: 1471

- localization and stability of technetium-99m-Sn-pyrophosphate in rat neutrophils, Schmelter RF; Loo C-Y, *J Nucl Med* 1988; 29: 1406

- microautoradiographic study of technetium-99m colloid uptake by the rat liver, Hindie E; Colas-Linhart N; Petiet A; et al, *J Nucl Med* 1988; 29: 1118

- pitfalls of gastrointestinal bleeding studies with ^{99m}Tc sulfur-colloid, Lecklitter ML, Semin Nucl Med 1986; 16: 155

- protein binding studies of technetium-99m-labeled phosphine and isocyanide cationic complexes, Zanelli GD; Cook N; Lahiri A; et al, *J Nucl Med* 1988; 29: 62

- quality control of technetium-99m DTPA: correlation of analytic tests with in vivo protein binding in man, Russell CD; Rowell K; Scott JW, *J Nucl Med* 1986; 27: 560

- radiation absorbed dose from technetium-99m DTPA, Smith T; Zanelli GD; Veall N, *J Nucl Med* 1987; 28: 240

- renal arteriovenous transit times of technetium-99m-labeled chelates, Conrad GR; Wesolowski CA; Berbaum KS; et al, *J Nucl Med* 1987; 28: 1134

- suppression by perchlorate of technetium-99m and iodine-123 secretion in milk of lactating goats, Mountford PJ; Heap RB; Hamen M; et al, *J Nucl Med* 1987; 28: 1187

- synthesis and biological evaluation of technetium-99m MAC₃ as a hippuran replacement, Fritzberg AR; Kasina S; Behima D; et al, *J Nucl Med* 1986; 27: 111

- ^{99m}Tc-MDP and ^{99m}Tc-DPD in pathologic bone lesions: a visual and quantitative comparison, Lantto T; Vorne M; Mokka R; et al, *Acta Radiol* 1987; 28: 631

- technetium-99m-d,l-HM-PAO: new radiopharmaceutical for imaging regional brain perfusion using SPECT—comparison with iodine-123 HIPDM, Leonard J-P; Nowotnik DP; Neirinx RD, *J Nucl Med* 1986; 27: 1819

- technetium-99m DTPA uptake and transit in bone: effect on blood clearance in rabbits, Sampson WFD, *J Nucl Med* 1987; 28: 1461

- technetium-99m-labeled lymphocytes: radiotoxicity study, Merz T; Tatum J; Hirsch J, *J Nucl Med* 1986; 27: 105

- technetium-99m-labeled phosphonic acid analog of serine: bone uptake, Surh Y; Spencer RP; Spitznagle LA; et al, *J Nucl Med* 1986; 27: 847

- technetium-99m labeling of murine monoclonal antibody fragments, Rhodes BA; Zamora PO; Newell KD; et al, *J Nucl Med* 1986; 27: 685

- technetium-99m labeling of red blood cells: in vitro evaluation of a new approach, Kelbaek H, *J Nucl Med* 1986; 27: 1770

- technetium-99m MDP vs technetium-99m dicarboxypropane diphosphonate: clinical comparison in various pathologic conditions, Godart G; Durez M; Bevilacqua M; et al, *Clin Nucl Med* 1986; 11: 92

- technetium-99m radiopharmaceutical preparation by surface adsorbed stannous ions, Salehi N; Lichtenstein M; Pojer PM, *J Nucl Med* 1987; 28: 1041

- uptake of hexakis(t-butylisonitrile) technetium (I) and hexakis(isopropylisonitrile) technetium (I) by neonatal rat myocytes and human erythrocytes, Sands H; Delano ML; Gallagher BM, *J Nucl Med* 1986; 27: 404

- utilization of technetium-99m CPI as a myocardial perfusion imaging agent in exercise studies, Sia STB; Holman BL; Campbell S; et al, *Clin Nucl Med* 1987; 12: 681

- visualization of the left hepatic lobe during radioisotopic venography/lung imaging with technetium-99m MAA, Bartold S; Fancher M; Abghari R, *Clin Nucl Med* 1986; 11: 259

Technetium-MDP

- exercise-induced muscle uptake of technetium-99m MDP, duCret RP; Boudreau RJ; Block JB; et al, *Clin Nucl Med* 1987; 12: 354

- extraosseous uptake of technetium-99m MDP in secondary deposits of neuroblastoma. Mandell GA; Heyman S. *Clin Nucl Med* 1986; 11: 337
- technetium-99m MDP demonstration of neoplastic lesions involving bone and adjacent soft tissues. Mathews J; Slavin JD Jr; Spencer RF. *Clin Nucl Med* 1986; 11: 98
- technetium-99m MDP vs technetium-99m diphosphonate: clinical comparison in various pathologic conditions. Godart G; Durez M; Bevilacqua M; et al. *Clin Nucl Med* 1986; 11: 92
- Technologists**
- effect of radiologist supervision on technician performance and image quality in radiography of middle face trauma. Kinnunen J; Gøthlin JH; Hopfner; Hallikainen D. *Eur J Radiol* 1988; 8: 2
- productivity standards for technologists: how to use them. Janower ML. *Radiology* 1988; 166: 276
- radiology department management system: technologists' costs. Janower ML. *Radiology* 1986; 159: 566
- radiology department management system: technologists' costs: reply. McNeil BJ. *Radiology* 1986; 159: 566
- radiology work-load measurements reflecting variables specific to hospital, patient, and examination: results of a collaborative study. Triasoli MJ; Boswell SB; Johnson SK; McNeil BJ. *Radiology* 1988; 166: 247
- Teeth**
- dental material artifacts on MR images. Hinshaw DB Jr; Holshouser BA; Engstrom HIM; Tian AHL; Christiansen EL; Catelli WF. *Radiology* 1988; 166: 777
- dental radiography: efficacy in the assessment of intraosseous lesions of the face and jaws in asymptomatic patients. Zeichner SJ; Ruttmann UE; Webber RL. *Radiology* 1987; 162: 691
- Telangiectasia**
- haematuria: red herring? Kenney IJ; Mackay IG. *Br J Radiol* 1986; 59: 417
- Osler's disease diagnosed by ultrasound. Goes E; Van Tussenbroeck F; Cottenie F; et al. *JCU* 1987; 15: 129
- peripheral embolization of diffuse hepatic arteriovenous malformations in a patient with hereditary hemorrhagic telangiectasia. Derauf BJ; Hunter DW; Sirt SA; et al. *Cardiovasc Intervent Radiol* 1987; 10: 80
- predictive value of skin telangiectasia for late radiation effects in different normal tissues. Turesson I; Notter G. *Int J Radiat Oncol Biol Phys* 1986; 12: 603
- pulmonary arteriovenous malformations: techniques and long-term outcome of embolotherapy. White RI Jr; Lynch-Nyhan A; Terry P; Buescher PC; Farmllett EJ; Charnas L; Shuman KR; Kim W; Kinnell ML; Mitchell SE. *Radiology* 1988; 169: 663
- quantitation of right-to-left shunt ratio in patients with pulmonary telangiectasia by technetium-99m MAA lung perfusion imaging. Suzuki Y. *Clin Nucl Med* 1986; 11: 84
- radiotherapeutic management of medulloblastoma in a pediatric patient with ataxia telangiectasia. Hart RM; Kurler BF; Evans RG; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1237
- telangiectatic osteosarcoma. Gomes H; Menanteau B; Gaillard D; et al. *Pediatr Radiol* 1986; 16: 140
- treatment of post-radiotherapy telangiectasia by injection sclerotherapy. Gordon AB; Harmer CL; O'Sullivan M. *Clin Radiol* 1987; 38: 25
- Teleradiology**
- See Video systems
- Temporal bone**
- cholesterol granuloma of the petrous apex. (ab). Gherini SG; Brackmann DE; Lo WWM; et al. *Radiology* 1986; 159: 574
- congenital cholesteatoma of the petrous pyramid. (ab). Horn KL; Shea JJ III; Brackmann DE. *Radiology* 1986; 160: 860
- intratemporal vascular tumors: evaluation with CT. Lo WWM; Horn KL; Carberry JN; Solti-Bohman LG; Wade CT; Brackmann DE; Waluch V. *Radiology* 1986; 159: 181
- Temporal bone, abnormalities**
- asymmetric temporal bone pneumatization: an MR imaging pitfall. Haynes RC; Amy JR. *AJNR* 1988; 9: 803
- congenital middle-ear deafness: CT study. Swartz JD; Glazer AU; Faerber EN; Capitanio MA; Popky GL. *Radiology* 1986; 159: 187
- Temporal bone, CT**
- bilateral temporal bone involvement with eosinophilic granuloma. Ginsberg HN; Swayne LC; Peron DL; et al. *Comput Med Imag Graph* 1988; 12: 107
- computed tomography in histiocytosis X of the temporal bone. Feuchot M; Effekhari F; Van Tassel P; et al. *CT* 1988; 12: 9
- congenital middle-ear deafness: CT study. Swartz JD; Glazer AU; Faerber EN; Capitanio MA; Popky GL. *Radiology* 1986; 159: 187
- direct sagittal CT in the evaluation of temporal bone disease. Mafee MF; Kumar A; Tahmouresi CN; et al. *AJNR* 1988; 9: 371
- high resolution computed tomography in the evaluation of glomus tumours of the petrous temporal bone. Gratian-Smith JD; Doust BD; Fagan PA. *Australas Radiol* 1988; 32: 190
- histiocytosis X of the temporal bone: CT findings. Cunningham MJ; Curtin HD; Butkiewicz BL. *JCAT* 1988; 12: 70
- intraosseous petrous apex neuroma: CT findings. Solodnik P; Som PM; Shugar JMA; et al. *JCAT* 1986; 10: 1027
- labyrinthine portion of the facial canal: comparative radioanatomic investigation. Wadin K; Wilbrand H. *Acta Radiol* 1987; 28: 17
- labyrinthine portion of the facial canal in patients with Bell's palsy investigated by computed tomography. Wadin K; Thomander L; Wilbrand H. *Acta Radiol* 1987; 28: 25
- modern high resolution computed tomography (CT) diagnosis of longitudinal fractures of the petrous bone. Avrahami E; Chen Z; Solomon A. *Neuroradiol* 1988; 30: 166
- MR and CT correlation of cholesterol cysts of the petrous bone. Griffin C; DeLaPaz R; Enzmann D. *AJNR* 1987; 8: 825
- noninvasive imaging of the normal temporal bone: comparison of sagittal surface coil imaging and high-resolution computed tomography. (ab). Bie B; Koltai PJ; Wood GW; et al. *Radiology* 1988; 169: 295
- "ossifying" hemangiomas of the temporal bone: evaluation with CT. Curtin HD; Jensen JE; Barnes L Jr; May M. *Radiology* 1987; 164: 831
- os supra-petrous of Meckel: CT appearance. Alemdaroglu A. *JCAT* 1986; 10: 164
- radiation doses to the eye lenses in computed tomography of the orbit and the petrous bone. Neufang KFR; Zanella FE; Ewen K. *Eur J Radiol* 1987; 7: 203
- recognizing tympanostomy tubes on temporal bone CT: typical and atypical appearances. Klein MA; Kelly JK; Eggleston D. *AJR* 1988; 150: 1411
- temporal bone fractures and their complications: examination with high resolution CT. Schubiger O; Valavanis A; Stuckmann G; et al. *Neuroradiol* 1986; 28: 93
- Temporal bone, cysts**
- giant cholesterol cyst of the petrous apex: distinct clinical entity. (ab). Graham MD; Kemink JL; Latack JT; et al. *Radiology* 1986; 161: 862
- MR and CT correlation of cholesterol cysts of the petrous bone. Griffin C; DeLaPaz R; Enzmann D. *AJNR* 1987; 8: 825
- Temporal bone, diseases**
- petrous apicitis: surgical anatomy. (ab). Chole RA. *Radiology* 1986; 159: 287
- Temporal bone, fractures**
- magnetic resonance imaging in temporal bone fracture. Zimmerman RA; Bilaniuk LT; Hackney DB; et al. *Neuroradiol* 1987; 29: 246
- modern high resolution computed tomography (CT) diagnosis of longitudinal fractures of the petrous bone. Avrahami E; Chen Z; Solomon A. *Neuroradiol* 1988; 30: 166
- temporal bone fractures and their complications: examination with high resolution CT. Schubiger O; Valavanis A; Stuckmann G; et al. *Neuroradiol* 1986; 28: 93
- unusual complications of temporal bone fractures. (ab). Ghorayeb BY; Yeakley JW; Hall JW III; et al. *Radiology* 1988; 166: 295
- Temporal bone, MR studies**
- asymmetric temporal bone pneumatization: an MR imaging pitfall. Haynes RC; Amy JR. *AJNR* 1988; 9: 803
- facial nerve enhancement in MR imaging. Daniels DL; Czervionke LF; Pojunaas KW; et al. *AJNR* 1987; 8: 605
- magnetic resonance imaging in temporal bone fracture. Zimmerman RA; Bilaniuk LT; Hackney DB; et al. *Neuroradiol* 1987; 29: 246
- MR and CT correlation of cholesterol cysts of the petrous bone. Griffin C; DeLaPaz R; Enzmann D. *AJNR* 1987; 8: 825
- noninvasive imaging of the normal temporal bone: comparison of sagittal surface coil imaging and high-resolution computed tomography. (ab). Bie B; Koltai PJ; Wood GW; et al. *Radiology* 1988; 169: 295
- temporal bone region: high-resolution MR imaging using surface coils. Koenig H; Lenz M; Sauter R. *Radiology* 1986; 159: 191
- Temporal bone, neoplasms**
- chemodectoma of the temporal bone: a comparison of surgical and radiotherapeutic results. Wang M-L; Hussey DH; Doornbos JF; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 643
- chondroblastoma of temporal bone. Tanohata K; Noda M; Katoh H; et al. *Neuroradiol* 1986; 28: 367
- Ewing sarcoma of the temporal bone: CT appearance. Carroll R; Miketic LM. *JCAT* 1987; 11: 362
- high resolution computed tomography in the evaluation of glomus tumours of the petrous temporal bone. Gratian-Smith JD; Doust BD; Fagan PA. *Australas Radiol* 1988; 32: 190
- intraosseous petrous apex neuroma: CT findings. Solodnik P; Som PM; Shugar JMA; et al. *JCAT* 1986; 10: 1027
- intratemporal vascular tumors: evaluation with CT. Lo WWM; Horn KL; Carberry JN; Solti-Bohman LG; Wade CT; Brackmann DE; Waluch V. *Radiology* 1986; 159: 181
- "ossifying" hemangiomas of the temporal bone: evaluation with CT. Curtin HD; Jensen JE; Barnes L Jr; May M. *Radiology* 1987; 164: 831
- osteomas of the temporal bone: report of three cases. Beale DJ; Phelps PD. *Clin Radiol* 1987; 38: 67
- tumours of the petrous apex: a clinical series. Charachon R; Crouzet G; Vasdev A; et al. *J Neuroradiol* 1988; 15: 186
- Tendinitis**
- Achilles tendon: MR imaging at 1.5 T. Quinn SF; Murray WT; Clark RA; Cochran CF. *Radiology* 1987; 164: 767
- Achilles tendon of pathologic conditions: US diagnosis. work in progress. Blei CL; Nirschl RP; Grant EG. *Radiology* 1986; 159: 765
- Achilles tendon: US examination. Fornage BD. *Radiology* 1986; 159: 759
- bone scintigraphic findings in patellar tendinitis. Kahn D; Wilson MA. *J Nucl Med* 1987; 28: 1768
- calcific tendinitis in unusual sites associated with cortical bone erosion. Hayes CW; Rosenthal DI; Plata MJ; et al. *AJR* 1987; 149: 967
- calcific tendinitis of the longus coli: diagnosis by CT. Hall FM; Docken WF; Curtis HW; et al. *AJR* 1986; 147: 742
- computed tomography and ultrasound imaging of jumper's knee—patellar tendinitis. Mourad K; King J; Guggiana P. *Clin Radiol* 1988; 39: 162
- computed tomography of acute cervical spine tendinitis. Newmark H III; Blackford D; Ro-Certs D; et al. *CT* 1986; 10: 373
- magnetic resonance images of chronic patellar tendinitis. Bodne D; Quinn SF; Murray WT; et al. *Skeletal Radiol* 1988; 17: 24
- retropharyngeal calcific tendinitis. Biome SA. *Australas Radiol* 1987; 31: 142
- rotator cuff impingement syndrome: MR imaging. Kieft GJ; Bloem JL; Rozing PM; Obermann WR. *Radiology* 1988; 166: 211

Tendons

Tendons

- Achilles tendon: US examination, Fornage BD, Radiology 1986; 159: 759
- case report 427, Burnstein M; Buckwalter KA; Martel W; et al, Skeletal Radiol 1987; 16: 346
- snapping tendon syndrome: hip tenography with fluoroscopic monitoring, Staple TW; Jung D; Mork A, Radiology 1988; 166: 873
- tendon echogenicity: ex vivo study, Crass JR; van de Vegte GL; Harkavy LA, Radiology 1988; 167: 499

Tendons, CT

- ankle tendons: evaluation with CT, Rosenberg ZS; Feldman F; Singson RD; Kane R, Radiology 1988; 166: 221
- peroneal tendon injuries: CT analysis, Rosenberg ZS; Feldman F; Singson RD, Radiology 1986; 161: 743
- peroneal tendon injury associated with calcaneal fractures: CT findings, Rosenberg ZS; Feldman F; Singson RD; et al, AJR 1987; 149: 125
- rupture of posterior tibial tendon: CT and MR imaging with surgical correlation, Rosenberg ZS; Cheung Y; Jahss MH; Noto AM; Norman A; Leeds NE, Radiology 1988; 169: 229
- rupture of the posterior tibial tendon: CT and surgical findings, Rosenberg ZS; Jahss MH; Noto AM; Shereff MJ; Cheung Y; Frey CC; Norman A, Radiology 1988; 167: 489

Tendons, injuries

- Achilles tendon: MR imaging at 1.5 T, Quinn SF; Murray WT; Clark RA; Cochran CF, Radiology 1987; 164: 767
- Achilles tendon of pathologic conditions: 1.5 diagnosis, work in progress, Blei CL; Nirschl RP; Grant EG, Radiology 1986; 159: 765
- Achilles tendon: US examination, Fornage BD, Radiology 1986; 159: 759
- ankle tendons: evaluation with CT, Rosenberg ZS; Feldman F; Singson RD; Kane R, Radiology 1988; 166: 221
- arthrography of the biceps tendon, Ahovuo J; Linden H; Hovi I; et al, Eur J Radiol 1988; 8: 196
- magnetic resonance imaging in acute tendon ruptures, Daffner RH; Riener BL; Lupetin AR; et al, Skeletal Radiol 1986; 15: 619
- MR appearance of bilateral, spontaneous patellar tendon rupture in systemic lupus erythematosus, Gould ES; Taylor S; Naidich JB; et al, JCAT 1987; 11: 1096
- peroneal tendon injuries: CT analysis, Rosenberg ZS; Feldman F; Singson RD, Radiology 1986; 161: 743
- peroneal tendon injury associated with calcaneal fractures: CT findings, Rosenberg ZS; Feldman F; Singson RD; et al, AJR 1987; 149: 125
- rupture of the posterior tibial tendon: CT and surgical findings, Rosenberg ZS; Jahss MH; Noto AM; Shereff MJ; Cheung Y; Frey CC; Norman A, Radiology 1988; 167: 489
- snapping tendon syndrome: hip tenography with fluoroscopic monitoring, Staple TW; Jung D; Mork A, Radiology 1988; 166: 873
- sonographic diagnosis of partial Achilles tendon rupture and healing, Leekam RN; Salsberg BB; Bogoch E; et al, J Ultrasound Med 1986; 5: 115
- tendons: high-field-strength, surface coil MR imaging, Beltran J; Noto AM; Herman LJ; Lubbers LM, Radiology 1987; 162: 735
- ultrasonography as a differential diagnostic aid in achillobursitis, Laine HR; Harjula ALJ; Peltokallio P, J Ultrasound Med 1987; 6: 351

Tendons, MR studies

- Achilles tendon: MR imaging at 1.5 T, Quinn SF; Murray WT; Clark RA; Cochran CF, Radiology 1987; 164: 767
- magnetic resonance images of chronic patellar tendinitis, Bodine D; Quinn SF; Murray WT; et al, Skeletal Radiol 1988; 17: 24
- magnetic resonance imaging in acute tendon ruptures, Daffner RH; Riener BL; Lupetin AR; et al, Skeletal Radiol 1986; 15: 619

- rotator cuff impingement syndrome: MR imaging, Kieft CJ; Bloem JL; Rozing PM; Obermann WR, Radiology 1988; 166: 211
- rupture of posterior tibial tendon: CT and MR imaging with surgical correlation, Rosenberg ZS; Cheung Y; Jahss MH; Noto AM; Norman A; Leeds NE, Radiology 1988; 169: 229
- tendons: high-field-strength, surface coil MR imaging, Beltran J; Noto AM; Herman LJ; Lubbers LM, Radiology 1987; 162: 735

Tendons, US studies

- Achilles tendon of pathologic conditions: US diagnosis, work in progress, Blei CL; Nirschl RP; Grant EG, Radiology 1986; 159: 765
- Achilles tendon: US examination, Fornage BD, Radiology 1986; 159: 759
- hypochoic normal tendon: pitfall, Fornage BD, J Ultrasound Med 1987; 6: 19
- sonographic diagnosis of partial Achilles tendon rupture and healing, Leekam RN; Salsberg BB; Bogoch E; et al, J Ultrasound Med 1986; 5: 115
- sonography of the Achilles tendon and adjacent bursae, Mathieson JR; Connell DG; Cooperberg PL; et al, AJR 1988; 151: 127
- ultrasonography as a differential diagnostic aid in achillobursitis, Laine HR; Harjula ALJ; Peltokallio P, J Ultrasound Med 1987; 6: 351
- ultrasound examination of tendons, Fornage BD; Rifkin MD, Radiol Clin North Am 1988; 26: 87

Tenosynovitis

- Achilles tendon of pathologic conditions: US diagnosis, work in progress, Blei CL; Nirschl RP; Grant EG, Radiology 1986; 159: 765
- acute suppurative tenosynovitis of the hand: diagnosis with US, Jeffrey RB Jr; Laing FC; Schechter WP; Markison RE; Barton RM, Radiology 1987; 162: 741
- case report 466, Waggenspack GA; Amparo EG, Skeletal Radiol 1988; 17: 133
- tenosynovitis of the wrist: a sonographic demonstration, Gooding GAW, J Ultrasound Med 1988; 7: 225

Teratoma

- abdominal computed tomography in teratoma of the testis: its accuracy in Stage I disease and an assessment of the distribution of retroperitoneal lymph-node metastases in other stages of the disease, Bradley N; Johnson RJ; Read G, Br J Radiol 1987; 60: 487
- case report: malignant teratoma presenting with an adrenal mass, McMillan A; Horwich A, Clin Radiol 1987; 38: 327
- case report: metastatic teratoma associated with an intra-abdominal abscess, Dunn KS; Goepel JR, Clin Radiol 1988; 39: 321
- computed tomography in retroconversion of hepatic metastases from immature ovarian teratoma, Lentini JF; Love MB; Ritchie WGM; et al, JCAT 1986; 10: 1060
- computed tomography of benign cystic teratoma of the omentum, Ralls FW; Hartman B; White W; et al, JCAT 1987; 11: 548
- computed tomography of benign mature teratomas of the mediastinum, Brown LR; Muhl JR; Aughenbaugh CL; et al, J Thorac Imag 1987; 2: 66
- CT diagnosis of an atypical nasopharyngeal teratoma in a newborn, Senac MO Jr; Segall HD, AJNR 1987; 8: 710
- CT evaluation of posterior mediastinal teratoma, Dobranowski J; Martin LFW; Bennett WF, JCAT 1987; 11: 156
- CT features of cystic teratoma of the diaphragm, Müller NL, JCAT 1986; 10: 325
- cystic sacrococcygeal teratoma: ultrasound diagnosis and perinatal management, Hogge WA; Thiagarajah S; Barber VG; et al, J Ultrasound Med 1987; 6: 707
- extraosseous localization of technetium-99m MDP in benign cystic teratoma, Fuller C; Leonard JC, Clin Nucl Med 1986; 11: 574
- fetal teratomas: antenatal diagnosis and clinical management, Teal LN; Angtuaco TL; Jimenez JF; et al, JCU 1988; 16: 329
- gastrointestinal teratomas: CT and US appearance with pathologic correlation, Bowen B; Ros FR; McCarthy MJ; Olmsted WW; Hjermstad BM, Radiology 1987; 162: 431

- growing teratoma syndrome: an unusual manifestation of treated, nonseminomatous germ cell tumors of the testis, Lorigan JC; Eftekhari F; David CL; et al, AJR 1988; 151: 325

- infants presenting with respiratory distress due to anterior mediastinal teratomas: a report of three cases and a review of the literature, Kenny JB; Carty HML, Br J Radiol 1988; 61: 241

- intradural spinal teratoma: case report and review of the literature, Smoker WRK; Biller J; Moore SA; et al, AJNR 1986; 7: 905
- intrapericardial teratoma: ultrasonic and pathological features, Rasmussen SL; Hwang WS; Harder J; et al, J Ultrasound Med 1987; 6: 159

- malignant teratoma of the parapharyngeal space in an adult: rare lesion presenting as cervical cord compression, Sacher M; Som PM; Lanzieri CF; et al, CT 1986; 10: 37
- MR findings of malignant intracranial teratoma in a neonate, Uken P; Sato Y; Smith W, Pediatr Radiol 1986; 16: 504

- MR imaging of a spinal teratoma, Monajati A; Spitzer RM; Wiley JL; et al, JCAT 1986; 10: 307

- prenatal diagnosis of an intrapericardial teratoma: a cause for nonimmune hydrops, Cyr DR; Guntheroth WG; Nyberg DA; et al, J Ultrasound Med 1988; 7: 87

- prenatal diagnosis of sacrococcygeal teratoma: sonographic-pathologic correlation, Sheth S; Nussbaum AR; Sanders RC; Hamper UM; Davidson AJ, Radiology 1988; 169: 131

- sacrococcygeal teratoma: computed tomography evaluation, Chan F-L; Cheng C-S; Tam P-K-H; et al, CT 1987; 11: 200

- shard-like calcifications in retroperitoneal teratomas, Schey WL; Vesely JJ; Radkowski MA, Pediatr Radiol 1986; 16: 82
- struma ovarii: hyperthyroidism in a postmenopausal woman, March DE; Desai AG; Park CH; et al, J Nucl Med 1988; 29: 263

- torsion of a teratoma in an undescended intra-abdominal testis: ultrasonographic findings, Nelson DW Jr; Calley N, JCU 1987; 15: 401

- ultrasonography of mediastinal teratoma, Ikezoe F; Morimoto S; Arisawa J; et al, JCU 1986; 14: 513

- variable sonographic appearances of ovarian teratomas: correlation with CT, Sheth S; Fishman EK; Buck JL; et al, AJR 1988; 151: 331

Testis, abnormalities

- bilobed testicle, McAlister WH; Manley CB, Pediatr Radiol 1987; 17: 82
- case report: demonstration of true hermaphroditism by computed tomography, English RE; Tulloch DN; Blagiere RM, Clin Radiol 1986; 37: 593

- polychordism: evaluation by MR, Baker LL; Hajek PC; Burkhardt TK; et al, AJR 1987; 148: 305

- seminoma in an atrophic testis: ultrasound evaluation, Schwimer SR; Jacobson E; Lebovic J, J Ultrasound Med 1987; 6: 97

- sonographic findings in polychordism, Goldberg RM; Chilcote W; Kay R; et al, JCU 1987; 15: 412

- testes and scrotum: MR imaging at 1.5 T, Seidenwurm D; Smathers RL; Lo RK; Carrol CL; Bassett J; Hoffman AR, Radiology 1987; 164: 393

- testicular infarction following ethanol embolization of a renal neoplasm, Siniluoto TMJ; Hellström PA; Päivänsalo MJ; et al, Cardiovasc Intervent Radiol 1988; 11: 162

Testis, abscess

- testicular abscess: diagnosis by ultrasonography, (ab), Mevorach RA; Lerner RM; Dvoretzky PM; et al, Radiology 1987; 163: 588

Testis, calculi

- testicular microlithiasis: unique sonographic appearance, Doherty FJ; Mullins TL; Sant GR; et al, J Ultrasound Med 1987; 6: 389

Testis, CT

- alterations in the CT image following retroperitoneal lymphadenectomy in early stage non-seminomatous testicular tumor, (ab), von Krogh J; Lien HH; Ous S; et al, Radiology 1986; 159: 286

case report: demonstration of true hermaphroditism by computed tomography, English RE; Tulloch DN; Blaquiere RM, Clin Radiol 1986; 37: 593

computed tomography of testicular tumours: distribution of abdominal lymphadenopathy, Dixon AK; Ellis M; Sikora K, Clin Radiol 1986; 37: 519

CT evaluation of advanced seminoma treated with chemotherapy, Stomper PC; Jochelson MS; Friedman EL; et al, AJR 1986; 146: 745

influence of computed tomography scanning and lymphography on the management of testicular germ-cell tumours, Taylor RE; Duncan W; Best JJK, Clin Radiol 1986; 37: 539

retracted testis mimicking lymphomatous recurrence: CT demonstration, Neumann DR; Pearlstein AE, JCAT 1986; 10: 159

Testis, cysts

testicular cysts: differentiation with US and clinical findings, Hamm B; Fobbe F; Loy V, Radiology 1988; 168: 19

testicular cysts: US findings, Gooding GAW; Leonhardt W; Stein R, Radiology 1987; 163: 537

Testis, inflammation

See Orchitis

Testis, MR studies

assessment of testicular metabolic integrity with P-31 MR spectroscopy, Bretan PN Jr; Vigneron DB; Hricak H; McClure RD; Yen TSB; Moseley M; Tanagho EA; James TL, Radiology 1987; 162: 867

imaging the testis: comparison between MR imaging and US, Thurnher S; Hricak H; Carroll PR; Pöbel RS; Filly RA, Radiology 1988; 167: 631

MR imaging of the scrotum: normal anatomy, Baker LL; Hajek PC; Burkhard TK; Dicapua L; Leopold GR; Hesselink JR; Mattrey RF, Radiology 1987; 163: 89

MR imaging of the scrotum: pathologic conditions, Baker LL; Hajek PC; Burkhard TK; Dicapua L; Landa HM; Leopold GR; Hesselink JR; Mattrey RF, Radiology 1987; 163: 93

MR imaging of the scrotum with a high-resolution surface coil, Rholl KS; Lee JKT; Ling D; Heiken JP; Glazer HS, Radiology 1987; 163: 99

nonpalpable testes in young boys: evaluation with MR imaging, Kier R; McCarthy S; Rosenfield AT; Rosenfield NS; Rapoport S; Weiss RM, Radiology 1988; 169: 429

polychordism: evaluation by MR, Baker LL; Hajek PC; Burkhard TK; et al, AJR 1987; 148: 305

testes and scrotum: MR imaging at 1.5 T, Seidenwurm D; Smathers RL; Lo RK; Carroll CL; Bassett J; Hoffman AR, Radiology 1987; 164: 393

undescended testis: value of MR imaging, Fritzsche PJ; Hricak H; Kogan BA; Winkler ML; Tanagho EA, Radiology 1987; 164: 169

Testis, neoplasms

abdominal computed tomography in teratoma of the testis: its accuracy in Stage I disease and an assessment of the distribution of retroperitoneal lymph-node metastases in other stages of the disease, Bradley N; Johnson RJ; Read G, Br J Radiol 1987; 60: 487

accuracy of radiological staging procedures in non-seminomatous testis cancer compared with findings from surgical exploration and histopathological studies of extirpated tissue, Samuelsson L; Forsberg L; Olsson AM, Br J Radiol 1986; 59: 131

alterations in the CT image following retroperitoneal lymphadenectomy in early stage non-seminomatous testicular tumor, (ab), von Krogh J; Lien HH; Ous S; et al, Radiology 1986; 159: 286

antibody-guided radiolocalisation of tumours in patients with testicular or ovarian cancer using two radioiodinated monoclonal antibodies to placental alkaline phosphatase, Epenetos AA; Carr D; Johnson PM; et al, Br J Radiol 1986; 59: 117

benign intracranial hypertension during chemotherapy for testicular teratoma, Marsh LF; Morgan DAL; Jefferson D, Br J Radiol 1988; 61: 692

benign thymic enlargement in adults after chemotherapy: CT demonstration, Kissin CM; Husband JE; Nicholas D; Eversman W, Radiology 1987; 163: 67

case report: bilateral testicular plasmacytoma, Taylor RE; Duncan W; Parker AC, Clin Radiol 1986; 37: 293

case report: gastric and periurethral metastases from seminoma testis, Fowle S; Taylor RE; Preston P; et al, Clin Radiol 1987; 38: 63

classical and anaplastic seminoma: difference in survival, Bobba VS; Mittal BB; Hoover SV; Kepka A, Radiology 1988; 167: 849

computed tomography of testicular tumours: distribution of abdominal lymphadenopathy, Dixon AK; Ellis M; Sikora K, Clin Radiol 1986; 37: 519

CT evaluation of advanced seminoma treated with chemotherapy, Stomper PC; Jochelson MS; Friedman EL; et al, AJR 1986; 146: 745

detection of retroperitoneal metastases in early-stage nonseminomatous testicular cancer: analysis of different CT criteria, Stomper PC; Fung CY; Socinski MA; et al, AJR 1987; 149: 1187

effect on fertility, libido and sexual function of post-operative radiotherapy and chemotherapy for cancer of the testicle, Levison V, Clin Radiol 1986; 37: 161

evaluation of extratesticular findings in scrotal neoplasms, Worthy L; Miller EI; Chinn DH, J Ultrasound Med 1986; 5: 261

failure patterns of nonseminomatous testicular germ cell tumors: radiographic analysis of 51 cases, Stomper PC; Socinski MA; Kaplan WD; Garnick MB, Radiology 1988; 167: 641

growing teratoma syndrome: an unusual manifestation of treated, nonseminomatous germ cell tumors of the testis, Lorigan JG; Eftekhari F; David CL; et al, AJR 1988; 151: 325

high resolution sonography in diagnosing testicular neoplasms: clinical significance of false positive scans, (ab), Tackett RE; Ling D; Catalana WJ; et al, Radiology 1986; 160: 858

horseshoe kidney simulation by paraortic metastases from a testicular tumor, Gray HW, Clin Nucl Med 1987; 12: 75

imaging the testis: comparison between MR imaging and US, Thurnher S; Hricak H; Carroll PR; Pöbel RS; Filly RA, Radiology 1988; 167: 631

impact of treatment errors on postoperative radiotherapy for testicular tumors, (ab), Pearcey RG; Griffiths SE, Radiology 1986; 159: 572

incidental detection of impalpable testicular neoplasm by sonography, Stoll S; Goldfinger M; Rothberg R; et al, AJR 1986; 146: 349

influence of computed tomography scanning and lymphography on the management of testicular germ-cell tumours, Taylor RE; Duncan W; Best JJK, Clin Radiol 1986; 37: 539

influence of section spacing on reliability of abdominal computed tomography in early stage non-seminomatous testicular tumor, Lien HH; Stenwig AE; Ous S; et al, Acta Radiol 1987; 28: 169

intraabdominal hematoma following orchiectomy: potential pitfall in using CT for staging of testicular cancer, Kullmann G; Lien HH, Radiology 1987; 163: 129

intrathoracic manifestations of metastatic testicular seminoma: a comparison of chest radiographic and CT findings, Williams MP; Husband JE; Heron CW, AJR 1987; 149: 473

invasion of the inferior vena cava by testicular seminoma: demonstration by computed tomography and venography, O'Brien WM; Choyke PL; Lynch JH; et al, Urol Radiol 1986; 8: 108

low-attenuation thoracic metastases in testicular malignancy, Yousem DM; Scarlata JC; Fishman EK; et al, AJR 1986; 146: 291

malignant lymphoma of the testis, (ab), Doll DC; Weiss RB, Radiology 1987; 163: 290

myeloma of the testicle: sonographic appearance, Gale JT; Bowie JD; Mahony BS, JCU 1987; 15: 280

papillary adenocarcinoma of the rete testis: sonographic findings, Smith SJ; Vogelzang RL; Smith WM; et al, AJR 1987; 148: 1147

paternity after irradiation for testicular cancer, Fossa SD; Almaas B; Jetne V; et al, Acta Oncol 1986; 25: 33

radiation treatment of testicular relapse in acute lymphoblastic leukemia, Tombolini V; Banelli E; Capua A; et al, Acta Oncol 1986; 25: 29

residual masses after successful chemotherapy for testicular carcinoma, Glowalla M, AJR 1986; 146: 1184

role of radiation in stage II testicular seminoma, Zagars GK; Babaian RJ, Int J Radiat Oncol Biol Phys 1987; 13: 163

sarcomatous reaction of hilar and paratracheal lymph nodes in patients treated for testicular cancer, (ab), Fossa SD; Abeler V; Marton FF; et al, Radiology 1986; 159: 572

shape of retroperitoneal lymph nodes at computed tomography does not correlate to metastatic disease in early stage non-seminomatous testicular tumors, Lien HH; Lindaköld L; Stenwig AE; et al, Acta Radiol 1987; 28: 271

sonographic detection of testicular plasmacytoma, Benson CB; Deligdisch CK; Loughlin KR, JCU 1987; 15: 490

stage I nonseminomatous germ cell tumors of the testis: radiologic follow-up after orchidectomy, Williams MP; Husband JE; Heron CW, Radiology 1987; 164: 671

stage I testicular seminoma: rationale for postorchidectomy radiation therapy, Zagars GK; Babaian RJ, Int J Radiat Oncol Biol Phys 1987; 13: 153

testes and scrotum: MR imaging at 1.5 T, Seidenwurm D; Smathers RL; Lo RK; Carroll CL; Bassett J; Hoffman AR, Radiology 1987; 164: 393

testicular carcinoma: curable malignancy, (ab), Dahl O, Radiology 1986; 158: 576

testicular cysts: differentiation with US and clinical findings, Hamm B; Fobbe F; Loy V, Radiology 1988; 168: 19

testicular cysts: US findings, Gooding GAW; Leonhardt W; Stein R, Radiology 1987; 163: 537

testicular seminoma: analysis of treatment results and failures, Lester SG; Morris JG II; Hornback NB, Int J Radiat Oncol Biol Phys 1986; 12: 353

testicular tumors: prospective analysis of real-time US patterns and abdominal staging, Schwerk WB; Schwerk WN; Rodeck G, Radiology 1987; 164: 369

torsion of a teratoma in an undescended intra-abdominal testis: ultrasonographic findings, Nelson DW Jr; Calley N, JCU 1987; 15: 401

ultrasound demonstration of a benign mesothelioma of tunica vaginalis testis, Aquino NM; Vazquez R; Matari H, JCU 1986; 14: 310

ultrasound diagnosis of a benign calcified testicular mass: report of a case, Lipinski JK; Rao CR, J Canad Assoc Radiol 1986; 37: 112

usefulness of gallium-67 citrate scanning in testicular seminoma, Willan BD; Penney H; Castor WR; et al, Clin Nucl Med 1987; 12: 813

Testis, radionuclide studies

caudal view: aid in testicular scanning, Kruback AJ; Akhtar R, Clin Nucl Med 1987; 12: 614

evolution of acute epididymitis to testicular infarction: scintigraphic demonstration, Vieras F, Clin Nucl Med 1986; 11: 158

hernia mimicking testicular torsion, Wood MJ, Clin Nucl Med 1987; 12: 142

radionuclide imaging of sequential torsions of the appendix testis, Fischman AJ; Palmer EL; Scott JA, J Nucl Med 1987; 28: 119

scintiscan for acute intrascrotal conditions, Dunn EK; Macchia RJ; Chauhan PS; et al, Clin Nucl Med 1986; 11: 381

usefulness of gallium-67 citrate scanning in testicular seminoma, Willan BD; Penney H; Castor WR; et al, Clin Nucl Med 1987; 12: 813

Testis, therapeutic radiology

classical and anaplastic seminoma: difference in survival, Bobba VS; Mittal BB; Hoover SV; Kepka A, Radiology 1988; 167: 849

Testis, therapeutic radiology

- effect on fertility, libido and sexual function of post-operative radiotherapy and chemotherapy for cancer of the testicle, *Levison V, Clin Radiol* 1986; 37: 161
- impact of treatment errors on postoperative radiotherapy for testicular tumours, (ab), *Pearcey RG, Griffiths SE, Radiology* 1986; 159: 572
- paternity after irradiation for testicular cancer, *Fossa SD; Almaas B; Jetne V; et al, Acta Oncol* 1986; 25: 33
- radiation treatment of testicular relapse in acute lymphoblastic leukemia, *Tombolini V; Banelli E; Capua A; et al, Acta Oncol* 1986; 25: 29
- recovery of spermatogenesis following pelvic irradiation for Hodgkin's disease, *Pedrick TJ; Hoppe RT, Int J Radiat Oncol Biol Phys* 1986; 12: 117
- role of radiation in stage II testicular seminoma, *Zagars GK; Babaian RJ, Int J Radiat Oncol Biol Phys* 1987; 13: 163
- stage I testicular seminoma: rationale for postorchietomy radiation therapy, *Zagars GK; Babaian RJ, Int J Radiat Oncol Biol Phys* 1987; 13: 155
- testicular seminoma: analysis of treatment results and failures, *Lester SG; Morphis JG II; Hornback NB, Int J Radiat Oncol Biol Phys* 1986; 12: 353
- Testis, torsion**
- assessment of testicular metabolic integrity with P-31 MR spectroscopy, *Bretan PN Jr; Vigneron DB; Hricak H; McClure RD; Yen TSB; Moseley M; Tanagho EA; James TL, Radiology* 1987; 162: 867
- extratesticular hemorrhage associated with torsion of the spermatic cord: sonographic demonstration, *Vick CW; Bird K; Rosenfield AT; Klein FA; Schneider V; Walsh JW; Brewer WH, Radiology* 1986; 158: 401
- radionuclide imaging of sequential torsions of the appendix testis, *Fischman AJ; Palmer EL; Scott JA, J Nucl Med* 1987; 28: 119
- Testis, ultrasound**
- high resolution real-time ultrasonography in the localization of the undescended testis, (ab), *Weiss RM; Carter AR; Rosenfield AT, Radiology* 1986; 161: 575
- liquid crystal thermography in the localization of undescended testicles, *Göblyös P; Szűle E Jr, Eur J Radiol* 1987; 7: 266
- nonpalpable testes in young boys: evaluation with MR imaging, *Kier R; McCarthy S; Rosenfield AT; Rosenfield NS; Rapoport S; Weiss RM, Radiology* 1988; 169: 429
- spermatic venography in undescended testes, *Riebel T; Gonnermann D; Willig R-P, Pediatr Radiol* 1987; 17: 39
- torsion of a teratoma in an undescended intra-abdominal testis: ultrasonographic findings, *Nelson DW Jr; Calley N, JCU* 1987; 15: 401
- ultrasonography in undescended testes, *Johansen TEB; Larmo A, Acta Radiol* 1988; 29: 159
- undescended testis: value of MR imaging, *Fritzsch PJ; Hricak H; Kogan BA; Winkler ML; Tanagho EA, Radiology* 1987; 164: 169
- unsuspected urological anomalies in asymptomatic cryptorchid boys, *Pappas CH; Argianas SA; Bousgas D; et al, Pediatr Radiol* 1988; 18: 51
- Testis, US studies**
- bilobed testicle, *McAlister WH; Manley CB, Pediatr Radiol* 1987; 17: 82
- evaluation of extratesticular findings in scrotal neoplasms, *Worthy L; Miller EL; Chinn DH, J Ultrasound Med* 1986; 5: 261
- extratesticular hemorrhage associated with torsion of the spermatic cord: sonographic demonstration, *Vick CW; Bird K; Rosenfield AT; Klein FA; Schneider V; Walsh JW; Brewer WH, Radiology* 1986; 158: 401
- high resolution real-time ultrasonography in the localization of the undescended testis, (ab), *Weiss RM; Carter AR; Rosenfield AT, Radiology* 1986; 161: 575
- high resolution sonography in diagnosing testicular neoplasms: clinical significance of false positive scans, (ab), *Tackett RE; Ling D; Catalana WJ; et al, Radiology* 1986; 160: 858
- imaging the testis: comparison between MR imaging and US, *Thurnher S; Hricak H; Carroll PR; Fobiel RS; Filly RA, Radiology* 1988; 167: 631
- incidental detection of impalpable testicular neoplasm by sonography, *Stoll S; Goldfinger M; Rothberg R; et al, AJR* 1986; 146: 349
- MR imaging of the scrotum with a high-resolution surface coil, *Rholl KS; Lee JKT; Ling D; Heiken JP; Glazer HS, Radiology* 1987; 163: 99
- myeloma of the testicle: sonographic appearance, *Gale JT; Bowie JD; Mahony BS, JCU* 1987; 15: 280
- papillary adenocarcinoma of the rete testis: sonographic findings, *Smith SJ; Vogelzang RL; Smith WM; et al, AJR* 1987; 148: 1147
- scrotal cup for testicular ultrasound, *Cazenave CR; Williams JL, JCU* 1987; 15: 357
- seminoma in an atrophic testis: ultrasound evaluation, *Schwimer SR; Jacobson E; Lebovic J, J Ultrasound Med* 1987; 6: 97
- sonographic detection of testicular plasmacytoma, *Benson CB; Deligdisch CK; Loughlin KR, JCU* 1987; 15: 490
- sonographic findings in polyorchidism, *Goldberg RM; Chilcote W; Kay R; et al, JCU* 1987; 15: 412
- sperm granuloma, *Ramanathan K; Yaghoobian J; Pinck RL, JCU* 1986; 14: 155
- testicular abscess: diagnosis by ultrasonography, (ab), *Mevorach RA; Lerner RM; Dvoretzky PM; et al, Radiology* 1987; 163: 588
- testicular cysts: differentiation with US and clinical findings, *Hamm B; Fobbe F; Loy V, Radiology* 1988; 168: 19
- testicular cysts: US findings, *Gooding GAW; Leonhardt W; Stein R, Radiology* 1987; 163: 537
- testicular microlithiasis: unique sonographic appearance, *Doherty FJ; Mullins TL; Sant GR; et al, J Ultrasound Med* 1987; 6: 389
- testicular tumors: prospective analysis of real-time US patterns and abdominal staging, *Schwerk WB; Schwertk WN; Rodeck G, Radiology* 1987; 164: 369
- tissue characterization of the testes using ultrasonic CT: work in progress, *Bland PH; DiPietro MA; Chenevert TL; Hutchinson RJ; Carson PL, Radiology* 1986; 159: 101
- ultrasonography in undescended testes, *Johansen TEB; Larmo A, Acta Radiol* 1988; 29: 159
- ultrasound and spermatogenesis in the rat, *Urry RL; Dougherty KA; Child SA; et al, Ultrasound Med Biol* 1988; 14: 213
- ultrasound demonstration of a benign mesothelioma of tunica vaginalis testis, *Aquino NM; Vazquez R; Matari H, JCU* 1986; 14: 310
- ultrasound diagnosis of a benign calcified testicular mass: report of a case, *Lipinski JK; Rao CR, J Canad Assoc Radiol* 1986; 37: 112
- uncommon causes of scrotal and inguinal swelling in children: sonographic appearance, *Han BK, JCU* 1986; 14: 421
- varicoceles: combined sonography and thermography in diagnosis and posttherapeutic evaluation, *Hamm B; Fobbe F; Sorensen R; Felsenberg D, Radiology* 1986; 160: 419
- Test objects**
- See also Phantoms
- CT of the pulmonary nodule: cooperative study, *Zerhouni EA; Stitik FP; Siegelman SS; Naidich DP; Sagel SS; Proto AV; Muhm JR; Walsh JW; Martinez CR; Heelan RT; Brantley P; Bozeman RE; Disantis DJ; Ettenger N; McCauley D; Aughenbaugh GL; Brown LR; Miller WE; Litt AW; Leo FF; Fishman EK; Khouri NF, Radiology* 1986; 160: 319
- IV, protocols and test objects for the assessment of MRI equipment, *EEC Concerted Research Project, Magn Res Imag* 1988; 6: 195
- section thickness and contiguity phantom for MR imaging, *Gray JE; Felmlee JP, Radiology* 1987; 164: 193
- set of x-ray test objects for image quality control in digital subtraction fluorography. I: design considerations, *Cowen AR; Haywood JM; Workman A; et al, Br J Radiol* 1987; 60: 1001
- set of x-ray test objects for image quality control in digital subtraction fluorography. II: application and interpretation of results, *Cowen AR; Workman A; Haywood JM; et al, Br J Radiol* 1987; 60: 1011
- use of a simple Leeds test object for rapid assessment of image intensifiers, *Grant AM; Kehoe TM; Law J, Br J Radiol* 1987; 60: 1019
- vertebral bone mineral analysis: an integrated approach with CT, *Kalender WA; Klotz E; Suess C, Radiology* 1987; 164: 419
- V, multi-center trial with protocols and prototype test objects for the assessment of MRI equipment, *Lerski RA; McRobbie DW; Straughan K; et al, Magn Res Imag* 1988; 6: 201
- Tetralogy of Fallot**
- accuracy of fetal echocardiography, *Benacerraf BR; Pober BR; Sanders SP, Radiology* 1987; 165: 847
- aneurysms of the right ventricular outflow tract after tetralogy of Fallot repair: role of radiology, *Ascuitto RJ; Ross-Ascuitto NT; Markowitz RI; Kopf GS; Hellenbrand WE; Fahney JT; Kleinman CS, Radiology* 1988; 167: 115
- coronary artery anomalies in tetralogy of Fallot, *Shrivastava S; Mohan JC; Mukhopadhyay S; et al, Cardiovasc Intervent Radiol* 1987; 10: 215
- postoperative evaluation of complex congenital heart disease by magnetic resonance imaging, *Soulen RL; Donner RM; Capitanio M, Radiographics* 1987; 7: 975
- right ventricular infarction in tetralogy of Fallot: thallium myocardial imaging, *Williams CR; Kottamasu SR; Keller CE, Clin Nucl Med* 1988; 13: 125
- three-dimensional magnetic resonance imaging of congenital heart disease, *Vannier MW; Gutierrez FR; Laschinger JC; Gronemeyer S; Canter CE; Knapp RH, Radiographics* 1988; 8: 857
- Thalassemia**
- See Anemia
- Thallium, radioactive**
- analysis of thallium-201 "washout" from parametric color coded images, *Botvinick EH; O'Connell WJ; Dae MW; et al, J Nucl Med* 1988; 29: 302
- arm vein uptake of thallium-201 during exercise: incidence and clinical significance, *Gal R; Port SC, J Nucl Med* 1986; 27: 1353
- breast attenuation artifacts in TI-201 scintigraphy, *Botvinick EH, Radiology* 1988; 168: 878
- breast attenuation artifacts in TI-201 scintigraphy: reply, *Goodgold HM; Rehder JG; Samuels LD; Chaitman BR, Radiology* 1988; 168: 879
- clinical decision making: dipyridamole thallium imaging, *Gill JB; Miller DD; Boucher CA; et al, J Nucl Med* 1986; 27: 132
- effect of eating on thallium myocardial imaging, (ab), *Wilson RA; Sullivan PJ; Okada RD; et al, Radiology* 1986; 160: 574
- effect of hypoxia on thallium kinetics in cultured chick myocardial cells, *Friedman BJ; Beihn R; Friedman JP, J Nucl Med* 1987; 28: 1453
- exercise thallium stress testing compared with coronary angiography in patients without exclusions for suboptimal exercise or cardioactive medications, *Vincent NR; Denis L, Clin Nucl Med* 1986; 11: 688
- Hodgkin's disease with hypercalcemia detected by thallium-201 scintigraphy, *Linde R; Basso L, J Nucl Med* 1987; 28: 112
- improved interpretation of exercise TI-201 myocardial perfusion scintigraphy in women: characterization of breast attenuation artifacts, *Goodgold HM; Rehder JG; Samuels LD; Chaitman BR, Radiology* 1987; 165: 361
- limits to parathyroid imaging with thallium-201 confirmed by tissue uptake and phantom studies, *Gimlette TMD; Brownless SM; Taylor WH; et al, J Nucl Med* 1986; 27: 1262

- myocardial perfusion studies: lessons from a decade of clinical use, Strauss HW; Boucher CA, *Radiology* 1986; 160: 577
- Nal(Tl) camera crystals: imaging capabilities of hydrated regions on the crystal surface, Keszei-Landori S, *Radiology* 1986; 158: 823
- pharmacokinetics of thallium-201 in normal individuals after routine myocardial scintigraphy, Krahwinkel W; Herzog H; Feinendegen LE, *J Nucl Med* 1988; 29: 1582
- prediction of death, myocardial infarction, and worsening chest pain using thallium scintigraphy and exercise electrocardiography, Staniloff HM; Forrester JS; Berman DS; et al, *J Nucl Med* 1986; 27: 1842
- quantitation of extent, depth, and severity of planar thallium defects in patients undergoing exercise thallium-201 scintigraphy, Reisman S; Maddahi J; Van Train K; et al, *J Nucl Med* 1986; 27: 1273
- quantitative relationship between global left ventricular thallium uptake and blood flow: effects of propranolol, quabain, dipyridamole, and coronary artery occlusion, Melin JA; Becker LC, *J Nucl Med* 1986; 27: 641
- radioiodine therapy of hyperthyroidism precludes thallium-201 myocardial scintigraphy, Orzel JA; Krayer WB; Borchert RD, *Clin Nucl Med* 1987; 12: 110
- recurrent medullary carcinoma of the thyroid demonstrated by thallium-201 scintigraphy, Arnstein NB; Juni JE; Sisson JC; et al, *J Nucl Med* 1986; 27: 1564
- role of exercise thallium-201 imaging in decision making, (ab), Iskandrian AS; Hakk A-H; Segal BL; et al, *Radiology* 1986; 161: 575
- role of thallium-201 total-body scintigraphy in follow-up of thyroid carcinoma, Hoefnagel CA; Delprat CC; Marcuse HR; et al, *J Nucl Med* 1986; 27: 1854
- sex-specific criteria for interpretation of thallium-201 myocardial uptake and washout studies, Rabinovitch M; Suissa S; Elstein J; et al, *J Nucl Med* 1986; 27: 1837
- SPECT thallium-201 scintigraphy for the detection of left-ventricular aneurysm, Morton KA; Alazraki NP; Taylor AT; et al, *J Nucl Med* 1987; 28: 168
- thallium-201 brain tumor imaging: comparative study with pathologic correlation, Kaplan WD; Takvorian T; Morris JH; et al, *J Nucl Med* 1987; 28: 47
- thallium-201 imaging in the follow-up of differentiated thyroid carcinoma, Brendal AJ; Guyot M; Jeandot R; et al, *J Nucl Med* 1988; 29: 1515
- ### Therapeutic radiology
- advances in hypoxanthine radiotherapy, Neumeister K; Revez L, *Int J Radiat Oncol Biol Phys* 1987; 13: 427
- anemia: problem or an opportunity in radiotherapy?, Hirst DG, *Int J Radiat Oncol Biol Phys* 1986; 12: 2009
- arteriovenous malformations—a summary of 6 cases treated with radiation therapy, Poulsen MG, *Int J Radiat Oncol Biol Phys* 1987; 13: 1553
- brachytherapy implants with differently spaced Ir-192 seeds: a dosimetric study, Muller-Runkel R; Vijayakumar S, *Radiology* 1987; 165: 271
- cancer: the failure of treatment, Thomlinson RH, *Br J Radiol* 1987; 60: 735
- Clatterbridge high-energy neutron therapy facility: measurements of beam parameters for clinical use, Shaw JE; Bonnett DE; Blake SW, *Br J Radiol* 1988; 61: 47
- Clatterbridge high-energy neutron therapy facility: specification and performance, Bonnett DE; Blake SW; Shaw JE; et al, *Br J Radiol* 1988; 61: 38
- clinical summary: challenge of local tumor control and its impact on survival, Brady LW; Cox JD; Markoe AM, *Int J Radiat Oncol Biol Phys* 1986; 12: 705
- combinations of CCNU, MISO, and fractionated radiotherapy, Siemann DW; Alliet KL, *Int J Radiat Oncol Biol Phys* 1986; 12: 1379
- comparison of clinical and laboratory data on neutron therapy for locally advanced tumors, Catterall M; Errington RD; Bewley DK, *Int J Radiat Oncol Biol Phys* 1987; 13: 1783
- computer-aided instructional module for radiological physics, Starkschall G; Riggs JD; Lowther JR II, *Int J Radiat Oncol Biol Phys* 1986; 12: 421
- development and use of a computer system in a radiotherapy department: SISGRAD, Costa A; Lalanne C-M; Marcié S; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1949
- development of a hospital-based proton beam treatment center, Slater JM; Miller DW; Archambeau JO, *Int J Radiat Oncol Biol Phys* 1988; 14: 761
- does radiotherapy have a role in hemangiopericytoma management? report of 14 new cases and a review of the literature, Jha N; McNeese M; Barkley HT Jr; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1399
- dose-volume considerations in small field thoracic irradiation, Hamilton CS; Eberl M, *Australas Radiol* 1987; 31: 34
- effect of combined modality therapy on local control and survival, DeVita VT; Lippman M; Hubbard SM; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 487
- enhancement of radiation-induced cell kill by platinum complexes (carboplatin and iproplatin) in V79 cells, O'Hara JA; Douple EB; Richmond RC, *Int J Radiat Oncol Biol Phys* 1986; 12: 1419
- European Organization for Research and Treatment of Cancer (EORTC), Tubiana M, *Int J Radiat Oncol Biol Phys* 1988; 14: 513
- evaluation of the response of unresectable carcinoid tumors to radiotherapy, Samlowski WE; Eyre HJ; Sause WT, *Int J Radiat Oncol Biol Phys* 1986; 12: 301
- evaluation of treatment response to radiotherapy in head and neck cancer with fluorine-18 fluorodeoxyglucose, Minn H; Paul R; Ahonen A, *J Nucl Med* 1988; 29: 1521
- evaluation of unplanned interruptions in radiotherapy treatment schedules, Lindberg RD; Jones K; Garner HH; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 811
- exclusion of an interactive effect of combined x-irradiation and activated cyclophosphamide in tissue culture, Byfield JE; Lynch M; Kulhanian F, *Int J Radiat Oncol Biol Phys* 1986; 12: 1441
- failure of radiotherapy to reverse progressive pulmonary fibrosis caused by paraquat, Bloodworth LL; Kershaw JB; Stevens PE; et al, *Br J Radiol* 1986; 59: 1037
- final report of phase I trial of WR-2721 before protracted fractionated radiation therapy, Kligerman MM; Turrisi AT III; Urtasun RC; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1119
- graphical method for the analysis of decisions in clinical oncology, Munro AJ, *Clin Radiol* 1986; 37: 263
- growing points in radiotherapy since 1930: 65th Mackenzie Davidson Memorial Lecture 1984, Ellis F, *Br J Radiol* 1987; 60: 51
- growth delay in a murine squamous cell tumor after local radiation and concurrent infusion of 5-fluorouracil treatment, Weinberg MJ; Lapointe TA; Rauth AM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1449
- hemoglobin, radiation, morbidity and survival, Dische S; Saunders M; Warburton MF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1335
- impact of improved local control on survival, Suit HD; Westgate SJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 453
- implications of the density of clonogenic infestation in radiotherapy, Fletcher GH, *Int J Radiat Oncol Biol Phys* 1986; 12: 1675
- improvement of tumor spheroid oxygenation by tetrachloroethoxide, Mueller-Klieser W; Vaupel P, *Int J Radiat Oncol Biol Phys* 1987; 13: 49
- induction of hypoxia in normal and malignant tissues by changing the oxygen affinity of hemoglobin—implications for therapy, Adams GE; Barnes DWH; du Boulay C; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1299
- interaction of iododeoxyuridine and its primary metabolite, iodouracil on radiation response, Kinsella TJ; Dobson PP; Mitchell JB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1519
- intercalator-induced, topoisomerase II-mediated DNA cleavage and its modification by antineoplastic antimetabolites, Zwelling LA; Silberman L; Estey E, *Int J Radiat Oncol Biol Phys* 1986; 12: 1041
- intercapillary distance measurement as an indicator of hypoxia in carcinoma of the cervix uteri, Awwad HK; el Naggar M; Mocktar N; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1329
- interferon review, Stanton GJ; Weigant DA; Fleischmann WR Jr; et al, *Invest Radiol* 1987; 22: 259
- intracranial vascular malformations: imaging of charged-particle radiosurgery, part I, results of therapy, Marks MP; Delapaz RL; Fabrikant JI; Frankel KA; Phillips MH; Levy RP; Enzmann DR, *Radiology* 1988; 168: 447
- investigation into the daily reproducibility of patient positioning for 'mantle' treatments, Pearcey RG; Griffiths SE, *Clin Radiol* 1986; 37: 43
- irradiation with misonidazole and hyperbaric oxygen: final report on a randomized trial in advanced head and neck cancer, Sealy R; Cridland S; Barry L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1343
- late effects of radiation on the blood brain barrier, Remler MP; Marcusen WH; Tiller-Bornisch J, *Int J Radiat Oncol Biol Phys* 1986; 12: 1965
- late results of a trial of hyperbaric oxygen and radiotherapy in head and neck cancer: a rationale for hypoxic cell sensitizers?, Henk JM, *Int J Radiat Oncol Biol Phys* 1986; 12: 1339
- let your patient be your guide, Rider WD, *Int J Radiat Oncol Biol Phys* 1987; 13: 1285
- long-term results of pion therapy at Los Alamos, von Esen CF; Bagshaw MA; Bush SE; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1389
- low-dose total-body irradiation in the management of refractory rheumatoid arthritis, Kardamakis D; Berry RJ, *Br J Radiol* 1987; 60: 297
- manpower crisis facing radiation oncology, Davis LW; Cox J; Diamond J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1873
- mechanisms of DNA repair and their potential modification for radiotherapy, Ward JF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1027
- nitrogen-13 glutamate uptake and perfusion in Walker 256 carcinosarcoma before and after single-dose irradiation, Knapp WH; Helus F; Layer K; et al, *J Nucl Med* 1987; 28: 1604
- optimization of radiation therapy, III: method of assessing complication probabilities from dose-volume histograms, Lyman JT; Wolbarst AB, *Int J Radiat Oncol Biol Phys* 1987; 13: 103
- outcome study of the RTOG Cancer Control program, Gillespie BW; Diamond JJ; Davis LW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2157
- outline of research activities in radiotherapy of the medical research council's (U.K.) cancer therapy committee, Cancer Therapy Committee, *Int J Radiat Oncol Biol Phys* 1988; 14: 517
- oxygen distribution in squamous cell carcinoma metastases and its relationship to outcome of radiation therapy, Gatenby RA; Kessler HB; Rosenblum JS; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 831
- paraortic lymph node irradiation in cervical carcinoma without prior lymphadenectomy, Crawford JS; Haniadadi L; McGowan L; Rogers CB, *Radiology* 1987; 164: 255
- phase I combined modality clinical trial of alpha-2-interferon and radiotherapy, Torrisi J; Berg C; Harter K; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1453
- postgraduate training in radiation oncology in the United States, 1986, Cox JD; Flynn DF; Pittman DD; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1383
- potential for improvement in radiation therapy, Suit HD; Becht J; Leong J; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 777

Therapeutic radiology

- practice patterns of palliative care for the United States 1984-1985, Coia LR; Hanks GE; Martz K; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1261
- predicting late normal tissue responses, Withers HR, *Int J Radiat Oncol Biol Phys* 1986; 12: 693
- preliminary results of alternating combination chemotherapy (CT) and hyperfractionated radiotherapy (HART) in advanced rhabdomyosarcoma (RMS), Mandell LR; Ghavimi F; Ekelby P; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 197
- preservation of intestinal integrity during radiotherapy using live *Lactobacillus acidophilus* cultures, Salminen E; Elomaa I; Minkinen J; et al, *Clin Radiol* 1988; 39: 435
- problems associated with comparisons of response-defined subsets of patients in randomized trials: treatment-related bias and response migration, Brincker H, *Acta Oncol* 1987; 26: 425
- radiation-chemotherapy interactions, Trott K-R, *Int J Radiat Oncol Biol Phys* 1986; 12: 1409
- radiation enhancement of radiolabelled antibody deposition in tumors, Märikallä JS; Klein JL; Schroeder J; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1839
- radiation oncology in Australia: an increasing crisis, Wigg DR, *Australas Radiol* 1988; 32: 24
- radiation therapy and conservation surgery for primary and recurrent carcinoma of the vulva: report of 40 patients and a review of the literature, Pao WM; Perez CA; Kuske RR; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1123
- radiation therapy of hemangiomas, 1909-1959: a cohort based on 50 years of clinical practice at Radiumhemmet, Stockholm, Furst CJ; Lundell M; Holm L-E, *Acta Oncol* 1987; 26: 33
- radiation therapy oncology group-1987, Brady LW, *Int J Radiat Oncol Biol Phys* 1988; 15: 537
- radiation therapy oncology group: an outline of clinical research activities, Brady LW; Kramer S; Wasserman TH; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 53
- radiobiological evaluation of a newly synthesized cysteamine derivative, Biscay P; Lespinasse F; Oiry J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1469
- radiotherapeutic prophylaxis of estrogen-induced gynecostoma: study of late sequelae, Fass D; Steinfield A; Brown J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 407
- radiotherapy of Kaposi's sarcoma, Hamilton CR; Cummings BJ; Harwood AR, *Int J Radiat Oncol Biol Phys* 1986; 12: 1931
- Re-186(Sn) HEDP for treatment of multiple metastatic foci in bone: human biodistribution and dosimetric studies, Maxon HR; Deutsch EA; Thomas SR; Libson K; Lukes SJ; Williams CC; Ali S, *Radiology* 1988; 166: 501
- reactions of tumors and normal tissues in mice to irradiation in the presence and absence of a perfluorochemical emulsion, Rockwell S; Mate TP; Irwin CG; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1315
- role of radiotherapy in recurrent and metastatic malignant melanoma: clinical radiobiological study, Overgaard J, *Int J Radiat Oncol Biol Phys* 1986; 12: 867
- scientific perspectives on recent progress in radiation oncology, Fowler JF, *Int J Radiat Oncol Biol Phys* 1986; 12: 709
- sensitization to x ray by 5-chloro-2'-deoxycytidine co-administered with tetrahydrofuran in several mammalian cell lines and studies of 2'-chloro derivatives, Perez LM; Greer S, *Int J Radiat Oncol Biol Phys* 1986; 12: 1523
- sequential chemo-radiotherapy in locally advanced squamous cell carcinoma of the head and neck, Wendt TG; Chucholowski M; Hartenstein R; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 397
- special report, the stereotactic radiosurgery unit in Sheffield, Bradshaw JD, *Clin Radiol* 1986; 37: 277
- structure of radiation oncology practices in the continental United States, Diamond JJ; Hanks GE; Kramer S, *Int J Radiat Oncol Biol Phys* 1988; 14: 547
- thermochemotherapy (combined cyclophosphamide and hyperthermia) with or without hyperglycemia as an adjunct to radiotherapy, Urano M; Kahn J; Kenton LA, *Int J Radiat Oncol Biol Phys* 1986; 12: 45
- trends in radiation therapy demographics-1974 to 1983, Diamond JJ; Kramer S; Hanks GE, *Int J Radiat Oncol Biol Phys* 1986; 12: 1673
- tumor oxygenation and reoxygenation during radiation therapy: their importance in predicting tumor response, Kallman RF; Dorie MJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 681
- use of non-hypoxic cell sensitizers in radiobiology and radiotherapy, Mitchell JB; Russo A; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1513
- whither radiotherapy, Ross WM, *Clin Radiol* 1987; 38: 107
- ### Therapeutic radiology, comparative studies
- comparative review of the Hammersmith (1971-75) and Edinburgh (1977-82) neutron therapy trials of certain cancers of the oral cavity, oropharynx, larynx and hypopharynx, Medical Research Council Neutron Therapy Working Group, *Br J Radiol* 1986; 59: 429
- comparison of helium-ion radiation therapy and split-course megavoltage irradiation for unresectable adenocarcinoma of the pancreas: final report of a Northern California oncology group randomized prospective clinical trial, Linstadt D; Quivey JM; Castro JR; Andejeski Y; Phillips TL; Hannigan J; Gribble M, *Radiology* 1988; 168: 261
- comparison of misondazole sensitized radiation therapy to radiation therapy alone for the palliation of hepatic metastases: results of a radiation therapy oncology group randomized prospective trial, Leibel SA; Pajak TF; Massullo V; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1057
- esophageal carcinoma: modest benefits from combined modality therapy, Hancock SL; Coffinet DR; Carlson RW; Mark JBD, *Radiology* 1987; 164: 603
- iodine-125 implants versus external beam therapy for stages 1, 2, B, and C prostate cancer, Morton JD; Peschel RE, *Int J Radiat Oncol Biol Phys* 1988; 14: 1153
- ovarian carcinoma: results of radiation therapy and chemotherapy in 83 patients, Shehata WM; Meyer RL; Cormier WJ; Jazy FK, *Radiology* 1987; 163: 539
- prostatic cancer therapy: comparison of external-beam radiation and I-125 seed implantation treatment of stages B and C neoplasms, Morton JD; Harrison LB; Peschel RE, *Radiology* 1986; 159: 249
- ### Therapeutic radiology, complications
- See Radiations, injurious effects, complications of therapeutic radiology
- ### Therapeutic radiology, computer-assisted
- radiotherapy planning: direct tumor location on simulation and port films using CT. part I. principles, Haynor DR; Borning AW; Griffin BA; Jacky JP; Kalet J; Shuman WP, *Radiology* 1986; 158: 537
- ### Therapeutic radiology, dosimetry
- See Dosimetry
- ### Therapeutic radiology, electrons
- comparative study of dose distribution of a high-energy electron beam and chromosome aberration frequencies, Matsubara S; Kuwabara Y; Horiuchi J; et al, *Br J Radiol* 1986; 59: 1001
- determination of depth for electron breast boosts, Solin LJ; Chu JCH; Larsen R; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1915
- electron arc therapy: beam data requirements and treatment planning, Lam KS; Lam WC; O'Neill MJ; et al, *Clin Radiol* 1987; 38: 379
- indications for total cutaneous electron beam radiation therapy of mycosis fungoides, Le Bourgeois JP; Haddad E; Marinello G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 189
- intraoperative US as an aid to intraoperative electron beam radiation therapy, Schoenecker SA; Mack LA; Russell AH; Cyr DR; Shuman WP; Lennard ES; Montana MA, *Radiology* 1986; 160: 251
- matching intraoperative electron-beam fields: dosimetric and clinical considerations, Shaw EG; Blackwell CR; McCullough EC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1303
- response of canine esophagus to intraoperative electron beam radiotherapy, Sindelar WF; Hoekstra HJ; Kinsella TJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 663
- ### Therapeutic radiology, experimental
- acute and long-term alterations in the granulocyte/macrophage progenitor cell (GM-CFC) compartment of dogs after partial-body irradiation: irradiation of the upper body with a single myeloablative dose, Nothdurft W; Calvo W; Klinner V; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 949
- additivity versus repair inhibition in fractionated treatments combining drugs and x rays: theoretical analysis, Begg AC, *Int J Radiat Oncol Biol Phys* 1987; 13: 921
- adriamycin resistance, heat resistance and radiation response in Chinese hamster fibroblasts, Wallner K; Li GC, *Int J Radiat Oncol Biol Phys* 1986; 12: 829
- altered turnover and synthesis rates of lung surfactant following thoracic irradiation, Coultas FG; Ahier RG; Anderson RL, *Int J Radiat Oncol Biol Phys* 1987; 13: 233
- applicability of animal tumor data to cancer therapy in humans, Moulder JE; Dutreix J; Rockwell S; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 918
- benchmark measurements for lung dose corrections for X-ray beams, Rice RK; Mijnheer BJ; Chin LM, *Int J Radiat Oncol Biol Phys* 1988; 15: 399
- boron distribution analysis by alpha-autoradiography, Abe M; Amano K; Kitamura K; et al, *J Nucl Med* 1986; 27: 677
- brachytherapy implants with differentially spaced Ir-192 seeds: a dosimetric study, Muller-Runkel R; Vijayakumar S, *Radiology* 1987; 165: 271
- cellular growth and metabolic adaptations to nutrient stress environments in tumor microregions, Sutherland R; Freyer J; Mueller-Klieser W; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 611
- co-cultured transformed and untransformed C3H 10T $\frac{1}{2}$ cells: preferential killing of transformed cells by low dose rate irradiation, Zeman EM; Bedford JS, *Int J Radiat Oncol Biol Phys* 1986; 12: 51
- comparison of helium-ion radiation therapy and split-course megavoltage irradiation for unresectable adenocarcinoma of the pancreas: final report of a Northern California oncology group randomized prospective clinical trial, Linstadt D; Quivey JM; Castro JR; Andejeski Y; Phillips TL; Hannigan J; Gribble M, *Radiology* 1988; 168: 261
- comparison of radiosensitivities of human autologous normal and neoplastic thyroid epithelial cells, Miller RC; Kopecky KJ; Hiraoka T; et al, *Br J Radiol* 1986; 59: 127
- comparison of the heat and radiation sensitivity of rodent and human derived cells cultured *in vitro*, Roizin-Towle L; Pirro JF; McDowell J, *Int J Radiat Oncol Biol Phys* 1986; 12: 647
- contrasting effects of the differentiating agent sodium butyrate on recovery processes after x-irradiation in heterogeneous human colon tumor cells, Arundel CM; Kenney SM; Leith JT; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 959
- CT-guided laser therapy in resistant human tumors: phase I clinical trials, Gatenby RA; Hartz WH; Engstrom RF; Rosenblum JS; Hammond ND; Kessler HB; Moldofsky PJ; Clair MR; Unger E; Broder GJ, *Radiology* 1987; 163: 172
- distribution of radiation sensitivities for human tumor cells of specific histological types: comparison of *in vitro* to *in vivo* data, Malaise EF; Fertil B; Chavaudra N; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 617
- dose-response relationships for photodynamic injury to murine skin, Moore JV; Keene JP; Land EJ, *Br J Radiol* 1986; 59: 257

- effect of MR imaging on spleen colony formation following gamma irradiation, Montour JL; Fatouros PP; Prasad UR, *Radiology* 1988; 168: 259
- effect of x-irradiation dose rate on the clonogenic survival of human and experimental animal hematopoietic tumor cell lines: evidence for heterogeneity, Fitzgerald TJ; McKenna M; Kase K; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 69
- effects of nutritional state on the expression of radiation injury in two tumor subpopulations obtained from a heterogeneous human colon carcinoma, Arundel CM; Leith JT, *Int J Radiat Oncol Biol Phys* 1986; 12: 59
- evaluation of mouse lip mucosa reactions after combinations of cis-diammine-1,1-cyclobutanedicarboxylate platinum (II) (CBDCA) and irradiation: single and fractionated treatments, Landuyt W; Keizer J; Chin A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1367
- experimental studies on the incidence of metastases after failure of radiation treatment and the effect of salvage surgery, Ramsay J; Suit HD; Sedlacek R, *Int J Radiat Oncol Biol Phys* 1988; 14: 1165
- hepatic artery injection of I-131-labeled lipiodol, part II. preliminary results of therapeutic use in patients with hepatocellular carcinoma and liver metastases, Bretagne J-F; Raoul J-L; Bourguet P; Duvauferrier R; Deugnier Y; Faroux R; Ramée A; Herry J-Y; Gastard J, *Radiology* 1988; 168: 547
- influence of prior total body irradiation on the tissue distribution of mouse lymphoma/leukemia, Cobb LM; Butler SA, *Int J Radiat Oncol Biol Phys* 1986; 12: 83
- influence of WR 2721 on radiation response of canine soft tissue sarcomas, McChesney SL; Gillette EL; Dewhurst MW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1957
- interaction of irradiation and microwave-induced hyperthermia in the Dunning R3327G prostatic adenocarcinoma model, Gottlieb CF; Seibert GB; Block NL, *Radiology* 1988; 169: 243
- investigation of changes in relative biological effectiveness (RBE) with depth for x-ray beams generated between 100 and 250 kVp using the mouse foot as biological test system, Hering ER, *Int J Radiat Oncol Biol Phys* 1986; 12: 815
- magnetic resonance imaging evaluation of radiation-induced changes in experimentally implanted renal cell carcinoma, Demas BE; Hricak H; Williams RD; et al, *Invest Radiol* 1987; 22: 206
- modification of tumor and normal tissue radioresponse in mice by N-methylformamide, Iwakawa M; Milas L; Hunter N; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 55
- palliative radiotherapy of a mouse mammary carcinoma, Mason KA; Wu J-T; Withers HR; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1875
- pions and pig skin: preclinical evaluation of RBE for early and late damage, Douglas BG; Grulkey WR; Chaplin DJ; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 221
- potential for increasing the differential response between tumors and normal tissues: can proliferation rate be used?, Fowler JF, *Int J Radiat Oncol Biol Phys* 1986; 12: 641
- protection of mouse jejunal crypt cells by WR-2721 after small doses of radiation, Travis EL; Thames HD Jr; Tucker SL; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 807
- radiation response of human melanoma multicellular spheroids measured as single cell survival, growth delay, and spheroid cure: comparisons with the parent tumor xenograft, Rofstad EK; Wahl A; Brustad T, *Int J Radiat Oncol Biol Phys* 1986; 12: 975
- radiation survival of human mammary carcinoma cells: criteria for an agar-based clonogenic assay, Besch GJ; Tanner MA; Sattler CA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 75
- radiobiological equivalence condition for radiotherapy regimens incorporating protective shielding of vulnerable normal organs, O'Donoghue JA; Wheldon TE, *Br J Radiol* 1986; 59: 709
- radioresistant and repair proficient cells may determine radiocurability in human tumors, Weichselbaum RR, *Int J Radiat Oncol Biol Phys* 1986; 12: 637
- response of canine oral carcinomas to heat and radiation, Gillette EL; McChesney SL; Dewhurst MW; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1861
- response of cells of human origin, normal and malignant, to acute and low dose rate irradiation, Hall EJ; Marchese MJ; Astor MB; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 655
- response of human neuroblastoma and melanoma multicellular tumor spheroids (MTS) to single dose irradiation, Evans SM; Labs LM; Yuhua JM, *Int J Radiat Oncol Biol Phys* 1986; 12: 969
- response of the mediastinal and thoracic viscera of the dog to intraoperative radiation therapy (IORT), Barnes M; Pass H; DeLuca A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 371
- size dependent changes in tumor phosphate metabolism after radiation therapy as detected by ³¹P NMR spectroscopy, Koutcher JA; Okunieff P; Neuringer L; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1851
- suppressor cells induced by total lymphoid irradiation affect proliferation and lymphokine production of murine T helper cell clones, Mate TP; Ruddle NH, *Int J Radiat Oncol Biol Phys* 1987; 13: 61
- tissue population configuration as a modifier of organ dose response, Archambeau JO; Shymko RM, *Int J Radiat Oncol Biol Phys* 1988; 15: 727
- tolerance of canine portal vein anastomosis to intraoperative x-irradiation, Ohara K; Takeshima T, *Acta Oncol* 1987; 26: 459
- tolerance of the canine bladder to intraoperative radiation therapy: an experimental study, Kinsella TJ; Sindelar WF; DeLuca AM; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 939
- tumor bed effect: dependence of tumor take, growth rate, and metastasis on the time interval between irradiation and tumor cell transplantation, Milas L; Hunter N; Peters LJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 379
- tumor radioresponsiveness versus fractionation sensitivity, Thames HD; Suit HD, *Int J Radiat Oncol Biol Phys* 1986; 12: 687
- tumor size dependent changes in a murine fibrosarcoma: use of *in vivo* ³¹P NMR for non-invasive evaluation of tumor metabolic status, Okunieff PG; Koutcher JA; Gerweck L; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 793
- tumor therapy with hematoporphyrin derivative and lasers via a percutaneous fiberoptic technique: preclinical experiments, Gatenby RA; Hammond ND; Brown DQ, *Radiology* 1987; 163: 167
- WR 2721 modification of type II cell and endothelial cell function in mouse lung after single doses of radiation, Travis EL; Newman RA; Helbing SJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1355
- Therapeutic radiology, in infants and children**
- brain stem tumors in children: results of a survey of 62 patients treated with radiotherapy, Freeman CR; Suisse S, *Int J Radiat Oncol Biol Phys* 1986; 12: 1823
- early radiation swelling remains a problem in the management of paediatric brain tumours, Plowman PN; Fuentes J; Harnett AN, *Br J Radiol* 1987; 60: 931
- failure patterns and survival in pediatric soft tissue sarcoma, Brizel DM; Weinstein H; Hunt M, *Int J Radiat Oncol Biol Phys* 1988; 15: 37
- hyperfractionated radiotherapy in brain stem tumors: results of a pediatric oncology group study, Freeman CR; Krischer J; Sanford RA; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 311
- incidence of late endocrine dysfunction following irradiation for childhood medulloblastoma, Abayomi OK; Sadeghi-Nejad A, *Int J Radiat Oncol Biol Phys* 1986; 12: 945
- pediatric radiation oncology, Halperin EC, *Invest Radiol* 1986; 21: 429
- pre-irradiation chemotherapy for infants and poor prognosis children with medulloblastoma, Loeffler JS; Kretschmar CS; Sallan SE; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 177
- radiation therapy in the management of neuroblastoma: Duke University Medical Center experience 1967-1984, Halperin EC; Cox EB, *Int J Radiat Oncol Biol Phys* 1986; 12: 1829
- radiation therapy of tumors of the brainstem and midbrain in children: experience of the Joint Center for Radiation Therapy and Children's Hospital Medical Center (1971-1981), Eifel FJ; Cassidy JR; Belli JA, *Int J Radiat Oncol Biol Phys* 1987; 13: 847
- unresectable gliomas in children: tumor-volume response to radiation therapy, Wechsler-Jentzsch K; Witt JH; Fitz CR; McCullough DC; Harisiadis L, *Radiology* 1988; 169: 237
- Therapeutic radiology, interstitial and intracavitary**
- accuracy of the line and point source approximations in ¹⁹²Ir-192 dosimetry, Williamson JF, *Int J Radiat Oncol Biol Phys* 1986; 12: 409
- accurate method of ¹⁹²Ir wire implantation for locally advanced carcinoma of breast, Teo P; Chung D, *Acta Oncol* 1987; 26: 273
- afterloaded applicator for the interstitial irradiation of brain tumours, Mantell BS; Klevenhagen SC; Afshar F, *Clin Radiol* 1986; 37: 35
- afterloading vaginal applicator, Biggs PJ; Wang CC; Gitterman MM, *Int J Radiat Oncol Biol Phys* 1986; 12: 247
- algorithm for planning stereotactic brain implants, Renner WD; Pugh NO; Ross DB; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 631
- associated x-ray spectra of Amersham caesium-137 afterloading sources, Bradley DA; Chong CS, *Br J Radiol* 1987; 60: 175
- automatic digital contrast enhancement of radiotherapy films, Sherouse GW; Rosenman J; McMurry HL; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 801
- brachytherapy implants with differently spaced ¹⁹²Ir seeds: a dosimetric study, Muller-Runkel R; Vijayakumar S, *Radiology* 1987; 165: 271
- brachytherapy of tumour recurrences in the region of the pharynx and oral cavity by means of a remote-controlled afterloading technique, Bauer M; Schulz-Wendland R; Fritz P; et al, *Br J Radiol* 1987; 60: 477
- brachytherapy trials, Wilson JF; Chassagne D; Joslin C, *Int J Radiat Oncol Biol Phys* 1988; 14: 557
- cervical cancer: intracavitary dose specification and prescription, Potish RA; Gerbi BJ, *Radiology* 1987; 165: 555
- CF-252 neutron brachytherapy of short duration for bulky neck tumors, Maruyama Y; Beach JL, *Int J Radiat Oncol Biol Phys* 1986; 12: 761
- combined external irradiation and interstitial implantation for T1 and T2 epidermoid carcinomas of base of tongue: the Creteil experience (1971-1981), Crook J; Mazeron J-J; Marinello G; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 105
- combined gold seed implantation and external radiotherapy for Stage B2 or C prostate cancer, (ab) Carey PO; Lippert MC; Constable WC; et al, *Radiology* 1988; 169: 588
- computerized optimization of ¹²⁵I implants in brain tumors, Bauer-Kirpes B; Sturm V; Schlegel W; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1013
- cosmetic results in early breast cancer treated with lumpectomy, peri-operative interstitial irradiation, and external beam radiation, Krishnan L; Jewell WR; Mansfield CM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 205
- CT-assisted assessment of bladder and rectum dose in gynecological implants, Ling CC; Schell MC; Working KR; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1577

Therapeutic radiology, interstitial and intracavitary

- CT body stereotaxic system for placement of needle arrays, Onik G; Cosman E; Wells T; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 121
- CT guided interstitial therapy of pancreatic carcinoma, Haaga JR; Owens DB; Kelleymeyer RW; et al, *JCAT* 1987; 11: 1077
- development of an ^{241}Am applicator for continuous low-dose-rate irradiation of the rat sarcoma BA1112, Nath R; Martin DF; Park CH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1883
- development of an ^{241}Am applicator for intracavitary irradiation of gynecologic cancers, Nath R; Peschel RE; Park CH; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 969
- diverging gynecological template for radioactive interstitial/intracavitary implants of the cervix, John B; Scarbrough EC; Nguyen PD; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 461
- dose distributions around selectron applicators, Pla C; Evans MDC; Podgorsak EB, *Int J Radiat Oncol Biol Phys* 1987; 13: 1761
- dose distributions of model 6702 I-125 seeds in water, Schell MC; Ling CC; Gromadzki ZC; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 795
- dose-volume and complications in interstitial implants for breast carcinoma, McRae D; Rodgers J; Dritschilo A, *Int J Radiat Oncol Biol Phys* 1987; 13: 525
- dosimetric calculations and measurements of gold plaque ophthalmic irradiators using iridium-192 and iodine-125 seeds, Luxton G; Astrahan MA; Liggett PE; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 167
- dosimetry of CT-guided volumetric IR-192 brain implant, Abrath FG; Henderson SD; Simpson JR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 359
- dosimetry studies on prototype ^{241}Am sources for brachytherapy, Nath R; Gray L, *Int J Radiat Oncol Biol Phys* 1987; 13: 897
- early experience with combined interstitial hyperthermia and brachytherapy, Dunlop PRC; Dickinson RJ; Hand JW; et al, *Br J Radiol* 1986; 59: 525
- endocavitary irradiation for rectal cancer and villous adenomas, Kovalic JJ, *Int J Radiat Oncol Biol Phys* 1988; 14: 261
- endocavitary rectal irradiation technique, Podgorsak EB; Evans MDC, *Int J Radiat Oncol Biol Phys* 1987; 13: 1937
- enhancement of IUDR radiosensitization by low energy photons, Nath R; Bongiorno P; Rockwell S, *Int J Radiat Oncol Biol Phys* 1987; 13: 1071
- geometry adopted by Manchester radium applicators and Selectron afterloading applicators in intracavitary treatment for carcinoma cervix uteri, Jones DA; Notley HM; Hunter RD, *Br J Radiol* 1987; 60: 481
- hepatic malignancies: improved treatment with intraarterial Y-90, Herba MJ; Illescas FF; Thirlwell MP; Boos GJ; Rosenthal L; Atri M; Bret PM, *Radiology* 1988; 169: 311
- high dose rate ^{60}Co remote afterloading irradiation in cancer of the cervix in Haiti, 1977-1984, Streeter OE Jr; Goldson AI; Chevallier C; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1159
- high-dose-rate intracavitary irradiation in the treatment of carcinoma of the uterine cervix: early experience with 84 patients, Akine Y; Arimoto H; Ogino T; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 893
- high-dose rate intracavitary therapy for carcinoma of the uterine cervix: I. general figures of survival and complication, Teshima T; Chatani M; Hata K; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1035
- high-dose rate intracavitary therapy for carcinoma of the uterine cervix: II. risk factors for rectal complication, Teshima T; Chatani M; Hata K; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 281
- improved control of primary vaginal tumours by combined external-beam and interstitial radiotherapy, MacNaught R; Symonds RP; Hole D; et al, *Clin Radiol* 1986; 37: 29
- improved dose distribution with customized I-125 source loading in temporary interstitial implants, Ling CC; Huang DY; Barnett C; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 769
- improved precision of interstitial brain tumor irradiation using the BRW CT stereotaxic guidance system, Sapozink MD; Moeller JM; McDonald PN; et al, *Int J Radiat Oncol Biol Phys* 1987; 15: 1753
- improvement of the Boitein-Zacharopoulos radiation applicator, Selim MA; Derda H; Neuman MR; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 251
- inoperable adenocarcinoma of endometrium: radiation therapy, Wang M-L; Hussey DH; Vigliotti APG; Benda J; Wen B-C; Doornbos JF; Anderson B, *Radiology* 1987; 165: 561
- integrated system for interstitial ^{192}Ir implants, Bourland JD; Reynolds KL; Chaney EL; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 455
- interaction of interstitial photodynamic therapy and interstitial hyperthermia in a rat rhabdomyosarcoma—a pilot study, Levendag FC; Marijnissen HFA; de Ru VJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 139
- interstitial and external radiotherapy in carcinoma of the soft palate and uvula, Esche BA; Haie CM; Gerbaulet AP; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 619
- interstitial ^{125}I implantation in the retreatment of retroperitoneal soft tissue sarcoma: report of a case, Kumar PP; Good RR, *Acta Oncol* 1986; 25: 37
- interstitial parametrial implants in carcinoma of the cervix stage II-B, Aristizabal SA; Woolfitt B; Valencia A; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 445
- interstitial radiation therapy for hepatic metastases: sonographic guidance for applicator placement, Dritschilo A; Grant EG; Harter KW; et al, *AJR* 1986; 147: 275
- interstitial radiation therapy for squamous cell carcinoma of the tonsillar region: Creteil experience (1971-1981), Mazon JJ; Lusini A; Marinello G; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 895
- interstitial radiation therapy in the treatment of childhood soft-tissue sarcomas, Curran WJ Jr; Littman P; Raney RB, *Int J Radiat Oncol Biol Phys* 1988; 14: 169
- intracavitary cone system for electron beam therapy using a Therac 20 linear accelerator, Wilson DL; Sharma SC; Jose B, *Int J Radiat Oncol Biol Phys* 1986; 12: 1007
- intracavitary irradiation of endometrial cancer of large uteri using a two-phase afterloading technique, Kaupila A; Sipilä P; Koivula A, *Br J Radiol* 1987; 60: 1093
- ^{125}I iodine implantation after lymphadenectomy in early carcinoma of the prostate, Giles GM; Brady LW, *Int J Radiat Oncol Biol Phys* 1986; 12: 2117
- ^{192}Ir nomogram system for single plane implants, Murphy DJ Jr; Memula N; Doss LL, *Int J Radiat Oncol Biol Phys* 1986; 12: 267
- limited external beam and interstitial ^{192}Ir irradiation in the treatment of carcinoma of the base of the tongue: a ten year experience, Puthawala AA; Syed AMN; Eads DL; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 839
- malignant biliary obstruction: intracavitary treatment with a high-dose-rate remote afterloading device, Haffty BG; Mate TP; Greenwood LH; Peschel RE; Weissberg JB, *Radiology* 1987; 164: 374
- mini-colpostats in the treatment of carcinoma of the uterine cervix, Kuske RR; Perez CA; Jacobs AJ; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 899
- modified Selectron vaginal applicator, Thomas R; Corner GA; Watson ER, *Br J Radiol* 1986; 59: 397
- Monte Carlo and analytic calculation of absorbed dose near ^{125}I intracavitary sources, Williamson JF, *Int J Radiat Oncol Biol Phys* 1988; 15: 227
- new catheter system with remote tip guidance for endobronchial brachytherapy, Rieke JW; Goffinet DR; Mariscal JM; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 449
- new methods for implanting plastic tubes for ^{192}Ir brachytherapy using steel needles, Colthart RS; Newman HFV; Watson JV, *Clin Radiol* 1987; 38: 275
- on the choice of phantom material for the dosimetry of ^{192}Ir sources, Meli JA; Meigooni AS; Nath R, *Int J Radiat Oncol Biol Phys* 1988; 14: 587
- our experience of conservative treatment of anal canal carcinoma combining external irradiation and interstitial implant: 32 cases treated between 1973 and 1982, Ng Ying Kin NYK; Pigneux J; Auvray H; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 253
- palliative radiotherapy in the management of pancreatic carcinoma: combined interstitial and external beam therapy, Kersh CR; Constable WC; Eisert DK; et al, *Br J Radiol* 1988; 61: 408
- perioperative interstitial irradiation in the conservative management of early breast cancer, Krishnan L; Jewell WR; Mansfield CM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1661
- place of brachytherapy in the treatment of carcinoma of the tonsil with lingual extension, Leborgne JH; Leborgne F; Barlocchi LA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1787
- preoperative irradiation, lymphadenectomy, and ^{125}I iodine implantation for patients with localized carcinoma of the prostate, DeLaney TF; Shipley WU; O'Leary MP; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1779
- preoperative planning of breast implants using the breast implant planning device (BIPD), Bedwinek J, *Int J Radiat Oncol Biol Phys* 1988; 14: 817
- preservation of potency after external beam irradiation for prostate cancer, Banker FL, *Int J Radiat Oncol Biol Phys* 1988; 15: 219
- prospective comparison of ultrasound and computed tomography in the evaluation of the size of the uterus: can these methods be used for intracavitary treatment planning of carcinoma of the uterus?, Girinski T; Leclerc J; Pejovic MH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 789
- radiation therapy for carcinoma of the pinna using iridium 192 wires: series of 70 patients, Mazon JJ; Ghalle R; Zeller J; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1757
- radioactive needle implants in the treatment of anorectal cancer, Price A; Kerr GR; Arnott SJ, *Clin Radiol* 1988; 39: 186
- radiotherapy for carcinoma of the uterine cervix by remotely controlled afterloading intracavitary system with high-dose-rate, Koga K; Watanabe K; Kawano M; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 615
- relationship between the bladder and the cervix in patients undergoing intracavitary therapy, Lukka HR; Moore CJ; Hunter RD, *Br J Radiol* 1987; 60: 355
- remote afterloading techniques for the treatment of nasopharyngeal and endometrial cancer, Denham JW; Baldacchino AC; Gutte J; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 191
- remote interstitial afterloading in cancer of the prostate: preliminary experience with the MicroSelectron, Porter AT; Scrimger JW; Pocha JS, *Int J Radiat Oncol Biol Phys* 1988; 14: 571
- results of intracavitary radium treatment for adenocarcinoma of the body of the uterus, Jones DA; Strout R, *Clin Radiol* 1986; 37: 169
- retrospective study of three treatment techniques for T1-T2 base of tongue lesions: surgery plus postoperative radiation, external radiation plus interstitial implantation and external radiation alone, Housset M; Baillet F; Dessard-Diana B; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 511

- role of brachytherapy in the management of desmoid tumors, Assad WA; Nori D; Hilaris BS; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 901
- role of point A in the era of computerized dosimetry, Potliff RA; Gerbi BJ. *Radiology* 1986; 158: 827
- salvage irradiation of oropharyngeal cancers using iridium 192 wire implants: 5-year results of 70 cases, Mazeron J-J; Langlois D; Glabbeir D; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 957
- salvage irradiation of oropharynx and mobile tongue about 192 iridium brachytherapy in Centre Alexis Vautrin, Langlois D; Hoffstetter S; Malissard L; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 849
- seed loss in interstitial radiotherapy of prostatic carcinoma with I-125, Sommerkamp H; Rupperecht M; Wannemacher M. *Int J Radiat Oncol Biol Phys* 1988; 14: 389
- simple device for calculating removal times for brachytherapy sources, Poulsen MG; Fitchew RS. *Australas Radiol* 1987; 31: 428
- single radium insertion for treatment of early carcinoma of the cervix: rationale and results, Bond WH; Mould J. *Clin Radiol* 1986; 37: 573
- specimen histology after one or two preoperative CF-252 implants for bulky stage IB cervical cancer, Maruyama Y; van Nagell JR; Feola JM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1473
- spreadsheet program for brachytherapy planning, Sherouse GW; Naves JL; Varia MA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 639
- surface mold using iridium-192 seeds, Rosen I; Gordon W Jr; Loyd M. *Int J Radiat Oncol Biol Phys* 1986; 12: 2203
- technique for interstitial nasopharyngeal brachytherapy, Harrison LB; Weissberg JB. *Int J Radiat Oncol Biol Phys* 1987; 13: 451
- template-guided interstitial implants: Cs-137 reusable sources as a substitute for Ir-192, Williamson JF; Seminoff T. *Radiology* 1987; 165: 265
- theoretical shape of cavity to locate ovoid sources, Biggs PJ. *Int J Radiat Oncol Biol Phys* 1987; 13: 1409
- transrectal ultrasonography as a follow-up method in prostatic carcinoma after external beam and interstitial radiotherapy, Eggen G; Pirker E; Rapp C; et al. *Eur J Radiol* 1988; 8: 37
- treatment of bladder cancer with interstitial iridium-192 implantation and external beam irradiation, Straus KL; Littman P; Wein AJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 265
- using measured dose distribution data of the Fletcher-Suit-Delcos colpostat in brachytherapy treatment planning, Yorke ED; Schell MC; Gaskill JW; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1413
- value of pre-operative intracavitary radiotherapy in patients treated by radical hysterectomy and pelvic lymphadenectomy for invasive carcinoma of the cervix, Pearcey RG; Peel KR; Thorogood J; et al. *Clin Radiol* 1988; 39: 95
- Therapeutic radiology, intraoperative**
- cost-effective, available-on-demand intraoperative radiation therapy, Archambeau JO; Aitken D; Potts TM; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 775
- design and dosimetric properties of an intraoperative radiation therapy system using an orthovoltage x ray unit, Piontek RW; Kase KR. *Int J Radiat Oncol Biol Phys* 1986; 12: 255
- intraoperative and external beam irradiation \pm 5-FU for locally advanced pancreatic cancer, Gunderson LL; Martin JK; Kvoils LK; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 319
- intraoperative irradiation of the canine abdominal aorta and vena cava, Hoopes PJ; Gillette EL; Withrow SJ. *Int J Radiat Oncol Biol Phys* 1987; 13: 715
- intraoperative radiation therapy at the National Cancer Institute: technical innovations and dosimetry, (ab), Fraass BA; Miller RW; Kinsella TJ; et al. *Radiology* 1986; 158: 576
- intraoperative radiation therapy for advanced or recurrent head and neck cancer, Garrett P; Pugh N; Ross D; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 785
- intraoperative radiation therapy of hepatic metastases: technical aspects and report of a pilot study, Dritschilo A; Harter KW; Thomas D; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1007
- intraoperative trials, Calvo FA; Hanks GE. *Int J Radiat Oncol Biol Phys* 1988; 14: S111
- intraoperative US as an aid to intraoperative electron beam radiation therapy, Schoenecker SA; Mack LA; Russell AH; Cyr DR; Shuman WF; Lennard ES; Montana MA. *Radiology* 1986; 166: 251
- matching intraoperative electron-beam fields: dosimetric and clinical considerations, Shaw EG; Blackwell CR; McCullough EC; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1303
- pathologic response of the pancreas and duodenum to experimental intraoperative irradiation, Ahmadu-Suka F; Gillette EL; Withrow SJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1197
- practical and technical considerations in establishing an intraoperative radiation therapy program in the community practice, Wolkov HB; Chenery SG; Asche DR; McPeck EC; Hanks GE; Holmes TW. *Radiology* 1988; 168: 255
- quality control parameters of intraoperative radiation therapy, Tepper JE; Gunderson LL; Goldson AL; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1687
- response of canine esophagus to intraoperative electron beam radiation therapy, Sindelar WF; Hoekstra HJ; Kinsella TJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 663
- response of pancreatic tumor to intraoperative radiotherapy: medical imaging and pathologic system approach, Nishimura A; Otsu H; Itoh I; et al. *CT* 1987; 11: 5
- response of the mediastinal and thoracic viscera of the dog to intraoperative radiation therapy (IORT), Barnes M; Pass H; DeLuca A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 371
- tolerance of canine portal vein anastomosis to intraoperative x-irradiation, Ohara K; Takeshima T. *Acta Oncol* 1987; 26: 459
- tolerance of the canine bladder to intraoperative radiation therapy: an experimental study, Kinsella TJ; Sindelar WF; DeLuca AM; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 939
- Therapeutic radiology, nutrition**
- effect of the hydrolytic state of dietary protein on post-irradiation morbidity and mucosal cell regeneration, Beilner MK; Maier PA; Yamanaka WK; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 385
- energy and protein intake and nutritional status in non-surgically treated patients with small cell anaplastic carcinoma of the lung, Enig B; Winther E; Hesov I. *Acta Oncol* 1986; 25: 19
- tube feeding enteral nutritional support in patients receiving radiation therapy for advanced head and neck cancer, Fexner RD; Archambeau JO; Lipsett JA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 935
- Therapeutic radiology, photons**
- head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, Prows J; Janjan NA; Gillin MT; Wilson JF. *Radiology* 1988; 169: 831
- hyperfractionated photon radiation therapy in the treatment of advanced squamous cell carcinoma of the oral cavity, pharynx, larynx, and sinuses, using radiation therapy as the only planned modality: (preliminary report) by the Radiation Therapy Oncology Group (RTOG), Marcial VA; Pajak TF; Chang C; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 41
- radiotherapeutic computed tomography with scanned photon beams, Brahme A; Lind B; Nafstad P. *Int J Radiat Oncol Biol Phys* 1987; 13: 95
- results of a randomised trial of mixed-schedule (neutron/photon) irradiation in the treatment of supratentorial grade III and grade IV astrocytoma, Duncan W; McLelland J; Jack WJL; et al. *Br J Radiol* 1986; 59: 379
- treatment planning with external beams: introduction and historical overview, Rozenfeld M. *Radiographics* 1988; 8: 557
- Therapeutic radiology, physics**
- biophysical basis of hypoxic radioprotection by deoxygenated dextran-hemoglobin, Wong JT-F; Hill RP. *Int J Radiat Oncol Biol Phys* 1986; 12: 1303
- comparison of two radiological path length algorithms, Kalet JJ; Kennedy DR. *Int J Radiat Oncol Biol Phys* 1988; 13: 1957
- new ruthenium radiosensitizer: RuCl₂(DMSO)₂(4-nitroimidazole), Chan PKL; Skov KA; James BR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1059
- optimal dose distribution for eradication of heterogeneous tumors, Brahme A; Agren A-K. *Acta Oncol* 1987; 26: 377
- oxygen depletion in irradiated aqueous solutions containing electron affinic hypoxic cell radiosensitizers, Michaels HB. *Int J Radiat Oncol Biol Phys* 1986; 12: 1055
- quality assurance/physics/dosimetry, Suntharalingam N; Johansson K-A. *Int J Radiat Oncol Biol Phys* 1988; 14: S21
- scatter dose summation for irregular fields: speed and accuracy study, DeWynne JK; Siddon RL; Bjarnagard BE. *Int J Radiat Oncol Biol Phys* 1986; 12: 839
- some implications of the linear quadratic model for tumor control probability, Yarn RJ. *Int J Radiat Oncol Biol Phys* 1988; 14: 147
- template-guided interstitial implants: Cs-137 reusable sources as a substitute for Ir-192, Williamson JF; Seminoff T. *Radiology* 1987; 165: 265
- unified approach to dose-effect relationships in radiotherapy: I. modified TDF and linear quadratic equations, Orton CG; Cohen L. *Int J Radiat Oncol Biol Phys* 1988; 14: 549
- Therapeutic radiology, postoperative**
- adjuvant postoperative radiation therapy following radical hysterectomy in Stage IB CA of the cervix—analysis of treatment failure, Kim RY; Salter MM; Shingleton HM. *Int J Radiat Oncol Biol Phys* 1988; 14: 445
- adjuvant postoperative radiotherapy in carcinoma of the rectum and recto-sigmoid, Wiggensad R; Ravasz LA; Probst-van Zuylen FE. *Int J Radiat Oncol Biol Phys* 1988; 15: 753
- adjuvant post-operative radiotherapy in operable node positive mammary cancer: comparison of three treatment protocols, Treumiet-Donker AD; Helle PA; van Putten WJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 2067
- breast cancer: considerations in local and regional treatment, Hellman S; Harris JR. *Radiology* 1987; 164: 593
- chordoma: role of radiation therapy, Amendola BE; Amendola MA; Oliver E; McClatchey KD. *Radiology* 1986; 158: 839
- definitive radiotherapy following prostatectomy: results and complications, Forman JD; Wharam MD; Lee DJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 185
- does adjuvant radiotherapy have a role in the postmastectomy management of patients with operable breast cancer—revisited, Edland RW. *Int J Radiat Oncol Biol Phys* 1988; 15: 519
- human cancer natural history, radiation induced immunodepression and post-operative radiation therapy, Tubiana M; Arriagada R; Sarrazin D. *Int J Radiat Oncol Biol Phys* 1986; 12: 477
- is there a role for post-operative adjuvant radiation in breast cancer? beautiful hypothesis versus ugly facts: 1987 Gilbert H. Fletcher lecture, Levitt SH. *Int J Radiat Oncol Biol Phys* 1988; 14: 787
- postoperative adjuvant radiotherapy for adenocarcinoma of the rectum and rectosigmoid, Vigliotti A; Rich TA; Romsdahl MM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 999
- postoperative radiation therapy for pathologic stage C prostate cancer, Jacobson GM; Smith JA Jr; Stewart JR. *Int J Radiat Oncol Biol Phys* 1987; 13: 1021
- postoperative radiation therapy in the management of lung cancer, Emami B; Kim T; Roper C; Simpson JR; Pilepich MV; Hederman MA. *Radiology* 1987; 164: 251

- radiation therapy in operable breast cancer: results from the Stockholm trial on adjuvant radiotherapy. Wallgren A; Arner O; Bergstrom J; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 533
- radiotherapy for the prevention of local-regional recurrence in high risk patients post mastectomy receiving adjuvant chemotherapy. Fowle B; Glick J; Goodman R. *Int J Radiat Oncol Biol Phys* 1988; 15: 627
- soft-tissue sarcoma: neutrons versus photons for post-operative irradiation. Glaholm J; Harmer C. *Br J Radiol* 1988; 61: 829
- stage I testicular seminoma: rationale for postorchectomy radiation therapy. Zagars GK; Babian RJ. *Int J Radiat Oncol Biol Phys* 1987; 13: 155
- use of postoperative irradiation for the prevention of heterotopic bone formation after total hip replacement. Sylvester JE; Greenberg P; Selch MT; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 471
- Therapeutic radiology, preoperative**
- breast cancer: considerations in local and regional treatment. Hellman S; Harris JR. *Radiology* 1987; 164: 593
- dose response to preoperative irradiation in rectal cancer: implications for local control and complications associated with sphincter sparing surgery and abdominoperineal resection. Fortier GA; Krochak RJ; Kim JA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1559
- high dose preoperative radiation and sphincter preservation in the treatment of rectal cancer. Mohiuddin M; Marks GJ. *Int J Radiat Oncol Biol Phys* 1987; 13: 839
- planned preoperative irradiation in the management of clinical stage B2-C (T3) bladder carcinoma. Parsons JT; Million RR. *Int J Radiat Oncol Biol Phys* 1988; 14: 797
- preoperative irradiation in oral cavity carcinoma: a study with special reference to DNA pattern, histological response and prognosis. Franzen G; Olofsson J; Tytor M; et al. *Acta Oncol* 1987; 26: 349
- Therapeutic radiology, quality assurance**
- quality assurance/physics/dosimetry. Suntharalingam N; Johansson K-A. *Int J Radiat Oncol Biol Phys* 1988; 14: 521
- quality control in radiotherapy: the reduction of field placement errors. Griffiths SE; Pearcey RG; Thorogood J. *Int J Radiat Oncol Biol Phys* 1987; 13: 1583
- quality control of radiation therapy in multi-institutional randomized clinical trial for localized prostate cancer. (ab). Hafermann MD; Gibbons RP; Murphy GP. *Radiology* 1988; 169: 289
- quality control parameters of intraoperative radiation therapy. Tepper JE; Gunderson LL; Goldson AL; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1687
- technique for verifying treatment fields using portal images with diagnostic quality. Shiu AS; Hogstrom KK; Janjan NA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1589
- Therapeutic radiology, technology**
- accelerated fractionation in the radiation treatment of head and neck cancer: a critical comparison of different strategies. Peters LJ; Ang KK; Thames HD Jr. *Acta Oncol* 1988; 27: 185
- adjuvant post-operative radiotherapy in operable node positive mammary cancer: comparison of three treatment protocols. Treurniet-Donker AD; Helle PA; van Putten WJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 2067
- Amsterdam fast neutron therapy project: a final report. Battermann JJ; Mijneer BJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 2093
- application of the linear-quadratic model to fractionated radiotherapy when there is incomplete normal tissue recovery between fractions, and possible implications for treatments involving multiple fractions per day. Dale RG. *Br J Radiol* 1986; 59: 919
- arbitrary oblique image sections for 3-D radiation treatment planning. Mohan R; Brewster LJ; Barest G; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1247
- automatic digital contrast enhancement of radiotherapy films. Sherouse GW; Rosenman J; McMurry HL; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 801
- backscatter radiation at bone-titanium interface from high-energy X and gamma rays. Mian TA; Van Putten MC Jr; Kramer DC; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1943
- beam width improving device for a 25 MV x ray beam. Biggs PJ; Shipley WJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 131
- causes and consequences of inhomogeneous dose distributions in radiation therapy. Goitein M. *Int J Radiat Oncol Biol Phys* 1986; 12: 701
- choice of optimum megavoltage for accelerators for photon beam treatment. Laughlin JS; Mohan R; Kutcher GJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 1551
- combined treatment of radiation and cis-diamminedichloroplatinum (II): review of experimental and clinical data. Dewitt L. *Int J Radiat Oncol Biol Phys* 1987; 13: 403
- comparison of conventional and split-course radiotherapy as primary treatment in carcinoma of the larynx. Overgaard J; Hjeltn-Hansen M; Johansen LV; et al. *Acta Oncol* 1988; 27: 147
- computer-assisted rotation and multiple stationary irradiation technique. newly designed overrunning multi-leaf collimators for conformation radiotherapy. Ishigaki T; Sakuma S; Watanabe M. *Eur J Radiol* 1988; 8: 76
- concentrations achieved in human tumors after administration of misonidazole, SR-2508 and RO 03-8799. Dische S; Saunders MJ; Dunphy EP; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1109
- conformation therapy: method of improving the tumour treatment volume ratio. Tate T; Brace JA; Morgan H; et al. *Clin Radiol* 1986; 37: 267
- construction of three-dimensional moiré compensators using a simplified moiré camera. Chu JCH; Larsen RR. *J Canad Assoc Radiol* 1988; 39: 42
- CT body stereotaxic system for placement of needle arrays. Onik G; Cosman E; Wells T; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 121
- CT measurement of lung density: the role of patient position and value for total body irradiation. Lagrange JL; Brassard N; Costa A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 941
- design principles and clinical possibilities with a new generation of radiation therapy equipment: a review. Brahme A. *Acta Oncol* 1987; 26: 403
- display of organs and isodoses as shaded 3-D objects for 3-D therapy planning. Bauer-Kirpes B; Schlegel W; Boesecke K; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 135
- dose distribution in total skin electron beam irradiation using the six-field technique. Niroomand-Rad A; Gillin MT; Komaki R; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 415
- dosimetric aspects of radiolabeled antibodies for tumor therapy. Humm JL. *J Nucl Med* 1986; 27: 1490
- dynamic stereotactic radiosurgery. Podgorsak EB; Olivier A; Pla M; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 115
- evaluation of the effects of photoradiation therapy on brain tumors with in vivo P-31 MR spectroscopy. Naruse S; Horikawa Y; Tanaka C; Higuchi T; Sekimoto H; Ueda S; Hirakawa K. *Radiology* 1986; 160: 827
- Ewing's sarcoma: trial of adjuvant chemotherapy and sequential half-body irradiation. Berry MP; Jenkin RDT; Harwood AR; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 19
- external beam treatment technique for retinoblastoma. Chin LM; Harter KW; Svensson GK; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 455
- facing fearful odds—conference summary. Hall EJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 1023
- fast neutron therapy for squamous cell carcinoma in the head and neck region: results of a randomized trial. Duncan W; Orr JA; Arnott SJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 171
- flatness and calibration monitor for accelerator photon and electron beams. Martell E; Galbraith D; Munro P; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 271
- given dose, Agard ET. *Radiology* 1988; 169: 581
- guidelines for radiotherapeutic techniques for cervical metastases from an unknown primary. Carlson LS; Fletcher GH; Oswald MJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 2101
- hemi-body radiotherapy in the management of metastatic carcinoma. Wilkins MF; Keen CW. *Clin Radiol* 1987; 38: 267
- high efficiency iodination of monoclonal antibodies for radiotherapy. Mather SJ; Ward BG. *J Nucl Med* 1987; 28: 1034
- high LET: heavy particle trials. Griffin TW; Wambersie A; Laramore G; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 583
- hyperthermia in combination with definitive radiotherapy: results of a phase I/II RTOG study. Scott R; Gillespie B; Perez CA; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 711
- hypofractionated radiotherapy for sarcomas. Ashby MA; Ago CT; Harner CL. *Int J Radiat Oncol Biol Phys* 1986; 12: 13
- implications of in-vitro radiation-survival curves for the optimal scheduling of total-body irradiation with bone marrow rescue in the treatment of leukaemia. O'Donoghue JA; Wheldon TE; Gregor A. *Br J Radiol* 1987; 60: 279
- improved external beam radiotherapy for the treatment of retinoblastoma. Harnett AN; Hungerford JL; Lambert GD; et al. *Br J Radiol* 1987; 60: 753
- improved system of customised photon shielding for radiotherapy. Plant GR; Challenor D; Morgan DAL. *Br J Radiol* 1986; 59: 930
- improved total-body irradiation dosimetry. Doughty D; Lambert GD; Hirst A; et al. *Br J Radiol* 1987; 60: 269
- intercomparison of two dynamic treatment techniques, ring scan and spot scan, for head and neck tumors with the Piotron. Takai M; Blattmann H; Pedroni E. *Int J Radiat Oncol Biol Phys* 1988; 14: 1025
- intervals between multiple fractions per day: differences between early and late radiation reactions. Fowler JF. *Acta Oncol* 1988; 27: 181
- iodine-125 plaque for radiotherapy of the eye: manufacture and dosimetry considerations. Harnett AN; Thomson ES. *Br J Radiol* 1988; 61: 835
- large field trials. Rubin P; Heilmann H-P. *Int J Radiat Oncol Biol Phys* 1988; 14: 565
- local control with pre-operative radiotherapy alone versus "sandwich" radiotherapy for rectal carcinoma. Shank B; Enker W; Santana J; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 111
- mailable TLD system for photon and electron therapy beams. Kirby TH; Hanson WF; Gastorf RJ; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 261
- malignant biliary obstruction: intracavitary treatment with a high-dose-rate remote afterloading device. Haffty BG; Mate TP; Greenwood LH; Peschel RE; Weissberg JB. *Radiology* 1987; 164: 574
- megavoltage radiotherapy using water bolus in the treatment of Kaposi's sarcoma. Weshler S; Loewinger E; Loewenthal E; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 2029
- method of radiation treatment for advanced neck node metastases. Peracchia G; Salti C. *Int J Radiat Oncol Biol Phys* 1986; 12: 2197
- microwave hyperthermia as an adjunct to radiation therapy: summary experience of 256 multifraction treatment cases. Bicher HI; Wolfstein RS; Lewinsky BS; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1667
- minimum data input computer program for Selectron treatment calculation. Smith O. *Br J Radiol* 1987; 60: 181
- modified mesh panel for radiation therapy treatment table. Bagne F; Dobelbower RR. *Radiology* 1987; 163: 579

- new catheter system with remote tip guidance for endobronchial brachytherapy, Riecke JW; Goffinet DR; Mariscal JM; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 449
- new stereotactic X-ray knife, Barish RJ; Barish SV, *Int J Radiat Oncol Biol Phys* 1988; 14: 1295
- once-a-week lower hemibody irradiation (HBI) for metastatic cancers, Nag S; Shah V, *Int J Radiat Oncol Biol Phys* 1986; 12: 1003
- on-line electronic portal imaging system for external beam radiotherapy, Lam KS; Partowmah M; Lam WC, *Br J Radiol* 1986; 59: 1007
- on-line measurement of field placement errors in external beam radiotherapy, Lam WC; Partowmah M; Lee DJ; et al, *Br J Radiol* 1987; 60: 361
- optimization of beam weights under dose-volume restrictions, Langer M; Leong J, *Int J Radiat Oncol Biol Phys* 1987; 13: 1255
- optimization of dose-time factors for a tumor and multiple associated normal tissues, Cohen L, *Int J Radiat Oncol Biol Phys* 1987; 13: 251
- patient activation with a 25 MV therapeutic x-ray beam, Dunscombe PB; McLellan J; Huda W; et al, *Br J Radiol* 1988; 61: 843
- perfluorochemicals and hyperbaric oxygen in radiation therapy, Fischer JJ; Rockwell S; Martin DF, *Int J Radiat Oncol Biol Phys* 1986; 12: 95
- phase I study of mixed (neutron and photon) irradiation using two fractions per day in the treatment of high-grade astrocytomas, Duncan W; McLellan J; Davey P; et al, *Br J Radiol* 1986; 59: 441
- phase I study of the combination of two hypoxic cell radiosensitizers, Ro 33-6799 and SR-2508: toxicity and pharmacokinetics, Newman HFV; Bleehen NM; Workman P, *Int J Radiat Oncol Biol Phys* 1986; 12: 1113
- phase I trial of the hypoxic cell radiosensitizer SR-2508: results of the five to six week drug schedule, Coleman CN; Wasserman TH; Urtsan RC; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1105
- practical approach to uniform total body photon irradiation, Engler MJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2033
- practical method of delivering the posterior axillary boost for the treatment of patients with breast cancer, Solin LJ; Fowble B; Miller-Wilson P; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 2041
- predicted allowable doses to normal organs for biologically targeted radiotherapy, O'Donoghue JA; Wheldon TE, *Br J Radiol* 1988; 61: 264
- problem in rotation therapy with x-rays, Cormack AM, *Int J Radiat Oncol Biol Phys* 1987; 13: 623
- problem in rotation therapy with x-rays: dose distributions with an axis of symmetry, Cormack AM; Cormack RA, *Int J Radiat Oncol Biol Phys* 1987; 13: 1921
- radiation therapy in hyperbaric oxygen for head and neck cancer at Royal Adelaide Hospital—1964 to 1980, Denham JW; Yeoh EK; Wittwer G; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 201
- radiosensitization of hypoxic cells at low doses, Skarsgard LD; Harrison I; Durand RE; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1075
- radiotherapy employing three fractions in each day over a continuous period of 12 days, Saunders MI; Dische S, *Br J Radiol* 1986; 59: 523
- radiotherapy employing three fractions on each of twelve consecutive days, Saunders MI; Dische S; Fowler JF; et al, *Acta Oncol* 1988; 27: 163
- rectal carcinoma: treatment with Papillon technique and fiberoptic-guided methods, Matar JR; Coffey C II; Maruyama Y, *Radiology* 1988; 168: 562
- regional lung function impairment following post-operative radiotherapy for breast cancer using direct or tangential field techniques, Groth S; Zaric A; Sorenson PB; et al, *Br J Radiol* 1986; 59: 445
- sensitizers and radiation dose fractionation: results and interpretations, Hill RP, *Int J Radiat Oncol Biol Phys* 1986; 12: 1049
- Sheffield stereotactic radiosurgery unit: physical characteristics and principles of operation, Walton L; Bombard CK; Ramsden D, *Br J Radiol* 1987; 60: 897
- shielding block mounting with double-stick tape, Barish RJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 133
- short and long fractionated schedules in radiotherapy and a proposed improvement, Fowler JF, *Br J Radiol* 1987; 60: 777
- simple device for calculating removal times for brachytherapy sources, Poulsen MG; Fitchew RS, *Australas Radiol* 1987; 31: 428
- simple graphical method for deriving kinetics of repair from fractionated and protracted irradiations, Scalliet P; Erffmann RKL; Landuyt W; et al, *Br J Radiol* 1988; 61: 90
- solid tumor models for the assessment of different treatment modalities: XXV. comparison of the effect of one radiation fraction per day with multiple fractions per day (MFD) given either continuously or intermittently on tumor response and normal tissue reaction, Looney WB; Hopkins HA, *Int J Radiat Oncol Biol Phys* 1986; 12: 203
- solid tumor models for the assessment of different treatment modalities: XXVI. estimates of cell survival from tumor growth delay after alternating radiotherapy and chemotherapy, Hopkins HA; Looney WB, *Int J Radiat Oncol Biol Phys* 1987; 13: 217
- special report: the stereotactic radiosurgery unit in Sheffield, Bradshaw JD, *Clin Radiol* 1986; 37: 277
- split-course versus continuous radiotherapy: analysis of a randomized trial from 1964 to 1967, Holsti LR; Mäntylä M, *Acta Oncol* 1988; 27: 153
- stereotactic localization of intracranial targets, Siddons RL; Barth NH, *Int J Radiat Oncol Biol Phys* 1987; 13: 1241
- synergism between hyperthermia and ionising radiation, Holt JAG; Stanford RW, *Br J Radiol* 1986; 59: 795
- system for stereotactic radiosurgery with a linear accelerator, Lutz W; Winston KR; Maleki N, *Int J Radiat Oncol Biol Phys* 1988; 14: 373
- technique for delivering uniform dose at the junction of two spinal fields, Wu A; Sternick ES; Shahabi S; et al, *Br J Radiol* 1986; 59: 929
- technique for external beam treatment for mesothelioma, Kutcher GJ; Kestler C; Greenblatt D; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1747
- technique for image density matching in radiotherapy planning radiographs, Samarasekera MG; Hudson FR, *Br J Radiol* 1988; 61: 697
- technique for verifying treatment fields using portal images with diagnostic quality, Shiu AS; Hogstrom KR; Janjan NA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1589
- theoretical shape of cavity to locate ovoid sources, Biggs PJ, *Int J Radiat Oncol Biol Phys* 1987; 13: 1409
- thiol-induced biochemical modification of chemo- and radioresponses, Clark EP, *Int J Radiat Oncol Biol Phys* 1986; 12: 1121
- three-field isocentric technique for breast irradiation using individualized shielding blocks, Conte G; Nascimben O; Turcato G; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1299
- transmission block to simplify combined pelvic and inguinal radiation therapy, Kalnicki S; Zide A; Maleki N; DeWynagaert JK; Lipsztein R; Dalton JF; Bloomer WD, *Radiology* 1987; 164: 578
- treatment of advanced head and neck cancer with accelerated fractionation, Gray AJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 9
- update on low dose rate irradiation for cancers of the oropharynx—May 1986, Pierquin B; Calitchi E; Mazeron JJ; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 259
- use of positron emission tomography in pion radiotherapy, Goodman GB; Lam CKY; Harrison RW; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1867
- using measured dose distribution data of the Fletcher-Suit-Delefos colpostat in brachytherapy treatment planning, Yorke ED; Schell MC; Cankill JW; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1413
- vicryl carrier for I-125 seeds: percutaneous transperineal insertion, Kumar PP; Good RR, *Radiology* 1986; 159: 276
- ⁹⁰yttrium antiferritin—new therapeutic radiolabeled antibody, Order SE; Klein JL; Lechner FK; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 277
- Therapeutic radiology, treatment planning**
See Treatment planning
- Thermography**
liquid crystal thermography in the localization of undescended testicles, Göblyös P; Szüle E Jr, *Eur J Radiol* 1987; 7: 266
- palpable solid breast masses: retrospective single- and multimodality evaluation of 201 lesions, van Dam PA; Van Goethem MJA; Kerschoot E; Vervliet J; Van den Veyver IBM; De Schepper A; Buytaert P, *Radiology* 1988; 166: 435
- thermography and the sensory dermatome, Ash CJ; Shealy CN; Young PA; et al, *Skeletal Radiol* 1986; 15: 40
- thermography: reevaluation, Edeiken J; Shaber G, *Skeletal Radiol* 1986; 15: 545
- use and limitations of thermography in patients with clinically suspected venous thrombosis, Leung K; Gallus AS; Sage MR, *Australas Radiol* 1987; 31: 424
- varicoceles: combined sonography and thermography in diagnosis and posttherapeutic evaluation, Hamm B; Fobbe F; Sorensen R; Felsenberg D, *Radiology* 1986; 160: 419
- Thigh**
osteomyelitis: detection with US: work in progress, Abiri MM; Kirpekar M; Ablow RC, *Radiology* 1988; 169: 795
- Thigh, CT**
computed axial tomographic scanning of the thigh: an alternative method of nutritional assessment in pediatrics, (ab), Lerner A; Feld LG; Riddlesberger MM; et al, *Radiology* 1987; 162: 296
- Thigh, US studies**
osteomyelitis: detection with US: work in progress, Abiri MM; Kirpekar M; Ablow RC, *Radiology* 1988; 169: 795
- sonography of thigh abscess: detection, diagnosis, and drainage, vanSonnenberg E; Wittich GR; Casola G; et al, *AJR* 1987; 149: 769
- Thoracic duct**
demonstration of the thoracic duct by ¹²⁵I heptadecanoic acid: report of a case, Hvid-Jacobsen K; Nielsen SL; Jensen VJ; et al, *Acta Radiol* 1987; 28: 783
- subcutaneous lymphocele following trauma to the thoracic duct, Saibil EA; Howard RA; McKee JD; et al, *J Canad Assoc Radiol* 1986; 37: 213
- thoracic duct cyst: diagnosis with needle aspiration, Morestin LB; Allen TE, *Radiology* 1986; 161: 437
- Thoracocentesis**
complications associated with thoracocentesis, (ab), Seneff MG; Corwin W; Gold LH; et al, *Radiology* 1987; 162: 291
- value of chest: ultrasonography versus decubitus roentgenography for thoracocentesis, (ab), Kohan JM; Poë RH; Israel RH; et al, *Radiology* 1986; 161: 574
- Thoracolumbar fractures**
See Spine, fractures
- Thorax**
See also Bronchi; Heart; Lung; Mediastinum; Ribs; etc.
- pulmonary sarcoidosis in the older patient: conventional radiographic features, Conant EF; Glickstein MF; Mahab P; Miller WT, *Radiology* 1988; 169: 315
- Thorax, abnormalities**
chest tube tracks, Panicek DM; Randall PA; Witanowski LS; Raach BN; Heitzman ER, *Radiographics* 1987; 7: 321
- complementary roles of ultrasound and plain film radiography in differentiating pediatric chest abnormalities, Rosenberg HK, *Radiographics* 1986; 6: 427
- extrapleural fat prolapse mimicking recurrent bronchogenic carcinoma, Sullivan WT, CT 1986; 10: 277

Thorax, abnormalities

false-positive iodine-131 whole body scan due to pectus excavatum, Muherji S; Ziessman HA; Earli JM; et al, *Clin Nucl Med* 1988; 13: 207

incidence and implications of chest radiographic abnormalities following orthotopic liver transplantation, Costello P; Williams CR; Jenkins RW; et al, *J Canad Assoc Radiol* 1987; 38: 90

intrathoracic abnormalities demonstrated by technetium-99m sulfur colloid imaging, Shih W-J; Domstad PA; Friedman B; et al, *Clin Nucl Med* 1986; 11: 792

Thorax, anatomy

episternal ossicles, Stark P; Watkins GE; Hildebrandt-Stark HE; Dunbar RD, *Radiology* 1987; 165: 143

thoracic venous anatomy, Godwin JD; Chen JTT, *AJR* 1986; 147: 674

Thorax, biopsy

computed tomographic-guided stereotactic biopsy of thoracic lesions, Costello P; G; Cosman E, *J Thorac Imag* 1987; 2: 27

percutaneous transthoracic needle biopsy, Westcott JL, *Radiology* 1988; 169: 593

timing of chest film follow-up after transthoracic needle aspiration, Perlmut LM; Braun SD; Newman GE; et al, *AJR* 1986; 146: 1049

transthoracic needle biopsy of the hilum and mediastinum, Westcott JL, *J Thorac Imag* 1987; 2: 41

Thorax, CT

appearances on computed tomography following thoracoplasty for pulmonary tuberculosis, Moore NR; Phillips MS; Shneerson JM; et al, *Br J Radiol* 1988; 61: 573

computed tomographic evaluation of the solitary nonpulmonic nodule, Thackman D, *Comput Radiol* 1987; 11: 29

computed tomography evaluation of primary and secondary sternal neoplasms, Shin MS; Berland LL; Ho K-J, *CT* 1986; 10: 27

computed tomography in blunt chest trauma, Tocino IM; Miller MH, *J Thorac Imag* 1987; 2: 45

computed tomography of a symptomatic infarcted thoracic lipoma, Geis JR; Russ PD; Adcock KA, *CT* 1988; 12: 54

computed tomography of pectoral flaps, Leitman BS; Naidich DF; McCauley DL, *JCAT* 1988; 12: 392

concepts in computed tomography of the thorax, Chasen MH; McCarthy MJ; Gilliland JD; Floyd JL, *Radiographics* 1986; 6: 793

cost effectiveness of chest CT in TINOMO lung cancer, Black WC; Armstrong P; Daniel TM, *Radiology* 1988; 167: 373

CT assessment of silicosis in exposed workers, Begin R; Bergeron D; Samson L; et al, *AJR* 1987; 148: 509

CT differentiation of pleural effusion from ascites: evaluation of four signs using blinded analysis of 52 cases, Halvorsen RA Jr; Fedayshin PJ; Korobkin M; et al, *Invest Radiol* 1986; 21: 391

cystic fibrosis: comparison of computed tomography and plain chest radiographs, Jacobson LE; Houston CS; Habbick BF; et al, *J Canad Assoc Radiol* 1986; 37: 17

diagnosis of anemia on computed tomography scans of the thorax, Corcoran HL; Cook DE; Proto AV, *CT* 1988; 12: 116

diagnosis of emphysema: computed tomographic-pathologic correlation, (ab), Bergin CJ; Müller NL; Nichols DM; et al, *Radiology* 1986; 160: 856

elastofibroma dorsi: CT demonstration, Marin ML; Austin JHM; Markowitz AM, *JCAT* 1987; 11: 675

evaluation of a chest phantom for CT nodule densitometry, de Geer G; Gamsu G; Cann CE; et al, *AJR* 1986; 147: 21

extension of ascites into the chest with hiatal hernia: visualization on CT, Godwin JD; McGregor JM, *AJR* 1987; 148: 31

extrapleural fat prolapse mimicking recurrent bronchogenic carcinoma, Sullivan WT, *CT* 1986; 10: 277

Hodgkin disease: contributions of chest CT in the initial staging evaluation, Castellino RA; Blank N; Hoppe RT; Cho C, *Radiology* 1986; 160: 603

intrafissural fat: CT correlation with chest radiography, Gale ME; Greif WL, *Radiology* 1986; 160: 333

large-image intensifier photofluorography and conventional radiography in pulmonary emphysema: correlation with computed tomography, Manninen H; Partanen K; Soimakallio S; et al, *Acta Radiol* 1988; 29: 293

limitations of CT in evaluation of neoplasms involving chest wall, Pearlberg JL; Sandler MA; Beute GH; et al, *JCAT* 1987; 11: 290

mammographic and CT detection of extrathoracic lung herniation, Seibel DG; Hopper KD; Ghaed N, *JCAT* 1987; 11: 537

narrow superior mediastinum and pseudomasses: CT features, Jardin M; Lemaitre L; Remy J, *JCAT* 1986; 10: 603

nonfatal venous air embolism after contrast-enhanced CT, Woodring JH; Fried AM, *Radiology* 1988; 167: 405

pain in the hand in the presence of mediastinal mass, Hicks IP; Carr DH, *Br J Radiol* 1986; 59: 77

role of chest CT in non-Hodgkin lymphoma, Khoury MB; Godwin JD; Halvorsen RA Jr; Hanun Y; Putman CE, *Radiology* 1986; 158: 659

role of CT in excluding major arterial injury after blunt thoracic trauma, Mirvis SE; Kostrubak I; Whitley NO; et al, *AJR* 1987; 149: 601

role of CT in the study of recurrences of Hodgkin's disease on the chest wall: report on 12 cases, Frijia J; Bellin M-F; Laval-Jeantet M; et al, *Eur J Radiol* 1987; 7: 229

thoracic CT in detecting occult disease in critically ill patients, Mirvis SE; Tobin KD; Kostrubak I; et al, *AJR* 1987; 148: 685

thoracic radiology: RSNA '87 meeting notes, Greene R; Levitt RG; Miller WT; Anderson DJ; Geffer WB; Glazer HS; Jost RG; Molina PL; Oestmann JW; Sagel S; Stark P; Steiner R, *Radiology* 1988; 166: 920

thymus in the superior mediastinum simulating adenopathy: appearance on CT, Cory DA; Cohen MD; Smith JA, *Radiology* 1987; 162: 457

transient thoracic venous collaterals: incidental CT finding, Gerard PS; Lefkowitz Z; Golbey SH; et al, *JCAT* 1986; 10: 75

value of thoracic computed tomography in the detection of recurrent Hodgkin's disease, Heron CW; Husband JE; Williams MP; et al, *Br J Radiol* 1988; 61: 567

variation in the thickness of the diaphragmatic crura with respiration, Williamson BR; Gouse JC; Rohrer DG; Teates CD, *Radiology* 1987; 163: 683

Thorax, cysts

spontaneous radiographic resolution of malignant and benign cysts, Shin MS; Ho K-J, *CT* 1986; 10: 99

Thorax, diseases

chest radiographic findings in the adult with cystic fibrosis, Friedman PJ, Semin Roentgenol 1987; 22: 114

surgery for thoracic hydatid disease: a North American experience, (ab), Novick RJ; Tchernyov CI; Wilson JA; et al, *Radiology* 1987; 165: 882

Thorax, hemorrhage

interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Panicek DM; Ewing DK; Markarian B; Heitzman ER, *Radiology* 1987; 162: 165

interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Milne ENC; Cyriak D, *Radiology* 1987; 164: 286

interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply, Panicek DM; Heitzman ER; Ewing DK; Markarian B, *Radiology* 1987; 164: 286

scintigraphic documentation of hemorrhage from coronary artery bypass graft, Orzel JA; Baisden CE, *Clin Nucl Med* 1986; 11: 760

Thorax, injuries

bioprosthetic mitral valve dysfunction following blunt chest trauma, (ab), Reinfield HB; Agatston AS; Robinson MJ; et al, *Radiology* 1987; 162: 294

blunt thoracic trauma: analysis of 515 patients, (ab), Shorr RM; Crittenden M; Ineck M; et al, *Radiology* 1988; 166: 909

chest radiography after minor chest trauma, Rosen B; Laursen NO; Just S, *Acta Radiol* 1987; 28: 53

computed tomography in blunt chest trauma, Tocino IM; Miller MH, *J Thorac Imag* 1987; 2: 45

CT diagnosis of traumatic rupture of the cisternal chyli, Watanabe AT; Jeffrey RB Jr, *JCAT* 1987; 11: 175

false-positive aortography following blunt chest trauma: case report, Orron DE; Porter DH; Kim D; et al, *Cardiovasc Intervent Radiol* 1988; 11: 132

Hornor syndrome occurring as a complication of chest tube placement, Bertino RE; Wesbey GE; Johnson RJ, *Radiology* 1987; 164: 745

iatrogenic trauma to the thorax, Ovensfors C-O, *J Thorac Imag* 1987; 2: 18

lung alterations in thoracic trauma, Greene R, *J Thorac Imag* 1987; 2: 1

mammographic and CT detection of extrathoracic lung herniation, Seibel DG; Hopper KD; Ghaed N, *JCAT* 1987; 11: 537

pediatric case of the day: annual meeting, 1986, Kaufman RA; Towbin RB; Ball WS Jr, *Radiographics* 1987; 7: 597

pediatric chest trauma, Bender TM; Oh KS; Medina JL; et al, *J Thorac Imag* 1987; 2: 60

posttraumatic tension pneumopericardium: "small heart" sign, Mirvis SE; Ineck M; Schorr RM; Diaconis JN, *Radiology* 1986; 158: 663

prevalence and significance of missed scapular fractures in blunt chest trauma, Harris RD; Harris JH Jr, *AJR* 1988; 151: 747

role of CT in excluding major arterial injury after blunt thoracic trauma, Mirvis SE; Kostrubak I; Whitley NO; et al, *AJR* 1987; 149: 601

scintigraphy of major closed chest cardiac trauma in childhood, Williams HT; Miller JH, *Pediatr Radiol* 1988; 18: 74

thoracic cardiovascular trauma, Godwin JD; Tolentino CS, *J Thorac Imag* 1987; 2: 32

traumatic pulmonary artery aneurysm: CT evaluation, Crivello MS; Hayes C; Thurer RL; et al, *JCAT* 1986; 10: 503

value of chest radiography in excluding traumatic aortic rupture, Mirvis SE; Bidwell JK; Buddemeyer EU; Diaconis JN; Pais SO; Whitley JE; Goldstein LD, *Radiology* 1987; 163: 487

value of SPECT in identifying false-positive PYP myocardial imaging due to DC burn: a case report, Al-Sultan S; Tayer M; Bahar RH; et al, *Clin Nucl Med* 1987; 12: 755

Thorax, MR studies

chest applications of magnetic resonance imaging: an update, Geffer WB, *Radiol Clin North Am* 1988; 26: 573

chest MRI in children, Kangaroo H, *Radiol Clin North Am* 1988; 26: 263

comparison of respiratory triggering and gating techniques for the removal of respiratory artifacts in MR imaging, Lewis CE; Prato FS; Drost DJ; Nicholson RL, *Radiology* 1986; 160: 803

gated acquisition of MR images of the thorax: advantages for the study of the hila and mediastinum, Mark AS; Winkler ML; Peltzer M; et al, *Magn Res Imag* 1987; 5: 57

magnetic resonance imaging in young adults with cystic fibrosis, (ab), Fiel SB; Friedman AC; Caroline DF; et al, *Radiology* 1987; 164: 882

magnetic resonance imaging of Morgagni hernia, Yeager BA; Guglielmi GE; Schiebler ML; et al, *Gastrointest Radiol* 1987; 12: 296

magnetic resonance imaging of the hila and mediastinum, Webb WR, *Cardiovasc Intervent Radiol* 1986; 9: 306

magnetic resonance imaging of the pediatric thorax: initial experience, Laurin S; Williams JL; Fitzsimmons JR, *Eur J Radiol* 1986; 6: 36

MRI evaluation of mediastinal and thoracic inlet venous obstruction, Weinreb JC; Mootz A; Cohen JM, *AJR* 1986; 146: 679

MR imaging of the thorax: a comparison of axial, coronal, and sagittal imaging planes, Batra P; Brown K; Steckel RJ; et al, *JCAT* 1988; 12: 75

- MRI visualization of the aortic nipple, Medrea M; Meydam K; Schmitt WG, Cardiovasc Intervent Radiol 1988; 11: 29
- thoracic radiology: RSNA '87 meeting notes, Greene R; Levitt RG; Miller WT; Anderson DJ; Geffer WB; Glazer HS; Jost RG; Molina PL; Oestmann JW; Sagel S; Stark P; Steiner R, Radiology 1988; 166: 920
- three-dimensional flash MR imaging of thorax and abdomen without triggering or gating, Matthaei D; Frahm J; Haase A; et al, Magn Res Imag 1986; 4: 381
- tracheobronchial tree and pulmonary arteries: MR imaging using electronic axial rotation, Ross JS; O'Donovan PB; Paushter DM, Radiology 1986; 160: 839
- Thorax, neoplasms**
- atypical transmurular thoracic lipoma: CT diagnosis, Buxton RC; Tan CS; Khine NM; et al, JCAT 1988; 12: 196
- case report 414, Sullivan WT; Solonick DM, Skeletal Radiol 1987; 16: 166
- chest-wall invasion by carcinoma of the lung: detection by MR imaging, Haggard AM; Pearlberg JL; Froelich JW; et al, AJR 1987; 148: 1075
- chest wall tumors: experience with 100 consecutive patients, (ab), Pailorero PC; Arnold PG, Radiology 1986; 159: 569
- computed tomography evaluation of primary and secondary sternal neoplasms, Shin MS; Berland LL; Ho K-J, CT 1986; 10: 27
- internal mammary lymphadenopathy in breast carcinoma: CT appraisal of anatomic distribution, Scatarige JC; Fishman EK; Zinreich ES; Brem RF; Almaraz R, Radiology 1988; 167: 89
- intrathoracic manifestations of lymphoma, Khan A; Herman PG, Semin US CT MR 1986; 7: 18
- intrathoracic manifestations of metastatic testicular seminoma: a comparison of chest radiographic and CT findings, Williams MP; Husband JE; Heron CW, AJR 1987; 149: 473
- large unilateral chest tumors in children, (ab), Cumming WA; Sabbah R, Radiology 1986; 159: 576
- limitations of CT in evaluation of neoplasms involving chest wall, Pearlberg JL; Sandler MA; Beute GH; et al, JCAT 1987; 11: 290
- low-attenuation thoracic metastases in testicular malignancy, Yousem DM; Scatarige JC; Fishman EK; et al, AJR 1986; 146: 291
- radiation-induced sarcomas of the chest wall, (ab), Souba WW; McKenna RJ Jr; Meis J; et al, Radiology 1986; 160: 857
- radiologic investigation of thoracic metastases from unknown primary sites, Marglin SI; Mortimer J; Castellino RA, J Thorac Imag 1987; 2: 38
- Thorax, radiography**
- advanced multiple-beam equalization radiography in chest radiology: a simulated nodule detection study, Schultze Kool LJ; Buscher DLT; Vlasbloom H; Hermans J; Merwe PCvd; Algra PR; Herstel W, Radiology 1988; 169: 35
- AMBER: a scanning multiple-beam equalization system for chest radiography, Vlasbloom H; Schultze Kool LJ, Radiology 1988; 169: 29
- aortic dissection: statistical analysis of the usefulness of plain chest radiographic findings, Jagannath AS; Soe TA; Lockhart SH; et al, AJR 1986; 147: 1123
- aortopulmonary window lesions: detection with chest radiography, Jolles PR; Shin MS; Jones WP, Radiology 1986; 159: 647
- apical opacity: normal finding on posteroanterior chest radiographs, Proto AV; Chaliff MI, Radiology 1986; 161: 429
- basic imaging properties of a large image intensifier-TV digital chest radiographic system, Fujita H; Doi K; MacMahon H; et al, Invest Radiol 1987; 22: 328
- chest radiograph after extrathoracic surgery, Shipley RT, Semin Roentgenol 1988; 23: 49
- chest radiographic findings in the adult with cystic fibrosis, Friedman PJ, Semin Roentgenol 1987; 22: 114
- chest radiograph in whooping cough, Bellamy EA; Johnston DA; Wilson AG, Clin Radiol 1987; 38: 39
- chest radiographs obtained with shaped filters: evaluation by observer performance tests, Kelsey CA; Lane RG; Moseley RD Jr; Klettler JA Jr; Rosenberg RD; Williams AG; Garcia JF; Feldman BS; Boardman RE, Radiology 1986; 159: 653
- chest radiography after minor chest trauma, Rossen B; Laursen NO; Just S, Acta Radiol 1987; 28: 53
- chest radiography in the follow-up of breast cancer, Hietanen P, Acta Oncol 1986; 25: 15
- chest tube tracks, Panicek DM; Randall PA; Witanowski LS; Raasch BN; Heitzman ER, Radiographics 1987; 7: 321
- complementary roles of ultrasound and plain film radiography in differentiating pediatric chest abnormalities, Rosenberg HK, Radiographics 1986; 6: 427
- compliance with the Royal College of Radiologists' guidelines on the use of pre-operative chest radiographs, Fowkes FGR; Davies ER; Evans KT; et al, Clin Radiol 1987; 38: 45
- cystic fibrosis: comparison of computed tomography and plain chest radiographs, Jacobsen LE; Houston CS; Habbick BF; et al, J Canad Assoc Radiol 1986; 37: 17
- detailed study of radiation dose and radiographic technique during chest radiography, Faulkner K; Gordon MDH; Miller J, Br J Radiol 1986; 59: 245
- digital and conventional chest images: observer performance with film digital radiography system, Goodman LR; Foley WD; Wilson CR; Rimm AA; Lawson TL, Radiology 1986; 158: 27
- digital and conventional chest imaging: modified ROC study of observer performance using simulated nodules, Chakraborty DP; Breatnach ES; Yester MV; Soto B; Barnes GT; Fraser RG, Radiology 1986; 158: 35
- digital beam attenuator technique for compensated chest radiography, Hasegawa BH; Naimuddin S; Dobbins JT III; Mistretta CA; Peppeler WW; Hangiandreou NJ; Cusma JT; McDermott JC; Kudva BV; Melbye KM, Radiology 1986; 159: 537
- digital chest imaging: comparison of two film image digitizers with a classification task, Kundel HL; Mezrich JL; Brickman I; Siegel R; Miller WT; Epstein DM; Geffer WB; Arenson RL; Seshadri SB; Khalas S, Radiology 1987; 165: 747
- digital projection radiography of the chest, Kundel HL, Radiology 1986; 158: 274
- digital radiographic imaging system with multiple-slit scanning x-ray beam: preliminary report, Doi K; Fujita H; Ohana K; Ono K; Matsui H; Giger ML; Chan H-P, Radiology 1986; 161: 513
- digital radiography of subtle pulmonary abnormalities: ROC study of the effect of pixel size on observer performance, MacMahon H; Vyborny CJ; Metz CE; Doi K; Sabetti V; Solomon SL, Radiology 1986; 158: 21
- digital radiography of the chest: promises and problems, Goodman LR; Wilson CR; Foley WD, AJR 1988; 150: 1241
- effects of image processing on nodule detection rates in digitized chest radiographs: ROC study of observer performance, Sherrier RH; Chiles C; Wilkinson WE; Johnson GA; Ravin CE, Radiology 1988; 166: 447
- efficacy of chest radiography in a respiratory intensive care unit: prospective study, (ab), Bekemeyer WB; Crapo RO; Calhoun S; et al, Radiology 1986; 159: 820
- evaluation of optical unsharp masking and contrast enhancement of low-scatter chest radiographs, Sorenson JA; Mitchell CR, AJR 1987; 149: 275
- evaluation of pre-operative chest x-ray, Jeavons SJ; Siddle KJ; Mitchell C; et al, Australas Radiol 1987; 31: 256
- Hodgkin disease: contributions of chest CT in the initial staging evaluation, Castellino RA; Blank N; Hoppe RT; Cho C, Radiology 1986; 160: 603
- image-intensifier photofluorography and conventional chest radiography: comparison of diagnostic efficacy, Manninen H; Partanen K; Soimakallio S; et al, AJR 1988; 150: 539
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Panicek DM; Ewing DK; Markarian B; Heitzman ER, Radiology 1987; 162: 165
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture, Milne ENC; Cyralak D, Radiology 1987; 164: 286
- interstitial pulmonary hemorrhage from mediastinal hematoma secondary to aortic rupture: reply, Panicek DM; Heitzman ER; Ewing DK; Markarian B, Radiology 1987; 164: 286
- intrafissural fat: CT correlation with chest radiography, Gale ME; Greif WL, Radiology 1986; 160: 333
- large-image intensifier photofluorography and conventional radiography in pulmonary emphysema: correlation with computed tomography, Manninen H; Partanen K; Soimakallio S; et al, Acta Radiol 1988; 29: 293
- low-dose flying spot digital radiography of the chest: sensitivity studies, Kushner DC; Cleveland RH; Herman TE; McCloud TC; Waltman AC; Shepard JO; Dedrick CG; Kopans DB; Greene RE, Radiology 1987; 163: 665
- magnetic resonance imaging, chest radiography, computed tomography and ultrasonography in malignant lymphoma, Nyman R; Rehn S; Glimelius B; et al, Acta Radiol 1987; 28: 253
- monitoring the monitors: the radiology of thoracic catheters, wires, and tubes, Wechsler RJ; Steiner RM; Kinori I, Semin Roentgenol 1988; 23: 61
- nocardiosis of the lung: chest radiographic findings in 21 cases, Feigin DS, Radiology 1986; 159: 9
- oxygen reservoir rebreathing mask simulating pneumothorax, Shapiro MP; Gerzof SG, Radiology 1987; 164: 743
- plain chest radiograph in uncomplicated Epstein's disease, Mu-Sheng T; Partridge J; Radford D, Clin Radiol 1986; 37: 551
- plain chest radiograph with computed radiography: improved sensitivity for the detection of coronary artery calcification, Sakuma H; Takeda K; Hirano T; et al, AJR 1988; 151: 27
- pneumothorax and other lung diseases: effect of altered resolution and edge enhancement on diagnosis with digitized radiographs, Goodman LR; Foley WD; Wilson CR; Tikofsky RS; Hoffmann RG, Radiology 1988; 167: 83
- posttraumatic tension pneumopericardium: "small heart" sign, Mirvis SE; Ineck M; Schorr RM; Diaconis JN, Radiology 1986; 158: 663
- pulmonary edema and other acute causes of a butterfly pattern in the postoperative chest, Wells GA, Semin Roentgenol 1988; 23: 4
- radiology of the chest after thoracic surgery, Spinn FW; Gross GW; Wechsler RJ; et al, Semin Roentgenol 1988; 23: 9
- reinforced endotracheal tube placement: radiographic misdiagnosis, Corback MS; Ravin CE, Radiology 1987; 162: 579
- role of chest CT in non-Hodgkin lymphoma, Khoury MB; Godwin JD; Halvorsen RA Jr; Hanun Y; Putman CE, Radiology 1986; 158: 659
- role of chest radiography in predicting the extent of airway disease in patients with suspected pulmonary embolism, Smith R; Ellis K; Alderson PO, Radiology 1986; 159: 391
- spatial resolution requirements for digital chest radiographs: ROC study of observer performance in selected cases, Lams PM; Cocklin ML, Radiology 1986; 158: 11
- tentative diagnoses facilitate the detection of diverse lesions in chest radiographs, Berbaum KS; Franken EA Jr; Dorfman DD; et al, Invest Radiol 1986; 21: 532
- thoracic venous anatomy, Godwin JD; Chen JTT, AJR 1986; 147: 674
- timing of chest film follow-up after transthoracic needle aspiration, Perlmutt LM; Braun SD; Newman GE; et al, AJR 1986; 146: 1049
- value of chest ultrasonography versus decubitus roentgenography for thoracentesis, (ab), Kohan JM; Poe RH; Israel RH; et al, Radiology 1986; 161: 574

Thorax, radionuclide studies

Thorax, radionuclide studies

- effect of previous thoracic surgery on gallium uptake in the chest, Hatfield MK; MacMahon H; Martin WB; et al, *J Nucl Med* 1987; 28: 1831
- gallium-67 scans of the chest in patients with acquired immunodeficiency syndrome, Kramer EL; Sanger JJ; Garay SM; et al, *J Nucl Med* 1987; 28: 1107
- intrathoracic abnormalities demonstrated by technetium-99m sulfur colloid imaging, Shih W-J; Domstad PA; Friedman B; et al, *Clin Nucl Med* 1986; 11: 792
- scintigraphic documentation of hemorrhage from coronary artery bypass graft, Orzel JA; Baisden CE, *Clin Nucl Med* 1986; 11: 760
- scintigraphy of major closed chest cardiac trauma in childhood, Williams HT; Miller JH, *Pediatr Radiol* 1988; 18: 74
- unilateral thoracic soft-tissue accumulation of bone agent in lung cancer, Levy HA; Park CH, *J Nucl Med* 1987; 28: 1275

Thorax, surgery

- radiology of the chest after thoracic surgery, Spirn PW; Gross GW; Wechsler RJ; et al, *Semin Roentgenol* 1988; 23: 9

Thorax, therapeutic radiology

- adult respiratory distress syndrome after limited thoracic radiotherapy, (ab), Fulkerson WJ; McLendon RE; Prosnitz LR, *Radiology* 1986; 161: 573
- daily reproducibility of large, complex-shaped radiotherapy fields to the thorax and neck, Griffiths SE; Pearcey RG, *Clin Radiol* 1986; 37: 39
- dose-volume considerations in small field thoracic irradiation, Hamilton CS; Eberl M, *Australas Radiol* 1987; 31: 34
- electron arc therapy: chest wall irradiation of breast cancer patients, McNeely LK; Jacobson GM; Leavitt DD; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1287

Thorax, tomography

- retrocardiac phantom image on hypocycloidal chest tomograms, Stenoi R; Mootz AR; Landay MJ II, *Radiology* 1986; 161: 671

Thorax, US studies

- complementary roles of ultrasound and plain film radiography in differentiating pediatric chest abnormalities, Rosenberg HK, *Radiographics* 1986; 6: 427
- diagnostic value of ultrasonography in hydatid disease in abdomen and chest, Pant CS; Gupta RK, *Acta Radiol* 1987; 28: 743
- pneumothorax: evaluation by ultrasound—preliminary results, Werneck K; Galanski M; Peters PE; et al, *J Thorac Imag* 1987; 2: 76
- ultrasound examination of extracardiac chest masses in children: Doppler diagnosis of a vascular etiology, O'Laughlin MP; Huhta JC; Murphy DJ Jr, *Ultrasound Med* 1987; 6: 151
- value of chest ultrasonography versus decubitus roentgenography for thoracentesis, (ab), Kohan JM; Poe RH; Israel RH; et al, *Radiology* 1986; 161: 574

Thorium oxide

- computed tomography of thorotrastosis, Findley A; Childress MH, *CT* 1987; 11: 188
- renal thorium deposition associated with transitional cell carcinoma: radiologic demonstration in two patients, Oyen RH; Gielen JL; Van Poppel HP; Verbeken EK; Van Damme BJ; Baert LV; Baert AL, *Radiology* 1988; 169: 705

Thromboembolism

- See Embolism; Thrombosis

Thrombolysis

- technique and results of "higher-dose" infusion, McNamara T, *Cardiovasc Intervent Radiol* 1988; 11: 548
- technique and results of "low-dose" infusion, Katzen BT, *Cardiovasc Intervent Radiol* 1988; 11: 541
- thrombolysis of occluded arterial bypass grafts, Gardiner GA Jr, *Cardiovasc Intervent Radiol* 1988; 11: 558

Thrombophlebitis

- contrast venography of the leg: diagnosis efficacy, tolerance, and complication rates with ionic and nonionic contrast media, Hüpscher DN, *Radiology* 1988; 168: 878
- contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media, Bettmann MA; Robbins A; Braun SD; Wetzner S; Dunnick NR; Finkelstein J, *Radiology* 1987; 165: 113

- contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media: reply, Bettmann MA, *Radiology* 1988; 168: 878

- deep venous thrombophlebitis: detection with 4-hour versus 24-hour platelet scintigraphy, Seabold JE; Conrad GR; Ponto JA; Kimball DA; Frey EE; Ahmed F; Coughlan JD; Jensen KC, *Radiology* 1987; 165: 355

- initial detection of lower extremity septic deep venous thrombophlebitis by indium-111 WBC imaging in a patient with bacteremia, Fancher M; Abghari R; Bartold KP, *Clin Nucl Med* 1986; 11: 206

- septic portal vein thrombophlebitis: computed tomography appearance. case report, Castillo M; Murphy B, *Comput Radiol* 1986; 10: 289

- thrombophlebitis: potential cause for diffuse lower extremity uptake on bone imaging, Milton WJ; Datz FL, *Clin Nucl Med* 1986; 11: 26

- ultrasonographic diagnosis of septic pelvic thrombophlebitis, Rudoff JM; Astrauskas LJ; Rudoff JC; et al, *J Ultrasound Med* 1988; 7: 287

- unsuspected deep venous thrombophlebitis detected by gallium-67 imaging, Ford PV; Parker HG, *Clin Nucl Med* 1987; 12: 556

Thrombosis

- See also individual vessels, e.g., Cerebral blood vessels, thrombosis; Hepatic veins, thrombosis

- aged venous thrombi: radioimmunoimaging with fibrin-specific monoclonal antibody, Rosebrough SF; Grossman ZD; McAfee JG; Kudryk BJ; Subramanian G; Ritter-Hrncirik CA; Witanowski LS; Tillapaugh-Fay G; Urrutia E, *Radiology* 1987; 162: 575

- breast necrosis associated with thromboembolic disorders, Andersson I; Adler DD; Ljungberg O, *Acta Radiol* 1987; 28: 517

- case of the month: fit in a young woman, Vali A; McKinstry CS; Dick D, *Br J Radiol* 1988; 61: 335

- fibrinolytic therapy, Klatte EC; Becker GJ; Holden RE; Yune HY, *Radiology* 1986; 159: 619

- indium-111 labeled platelet deposition following transfemoral angiography, O'Connor MK; Brennan SS; Shanik DG, *Radiology* 1986; 158: 191

- iodine-131-labeled fibrinogen: potential agent for imaging atherosclerotic lesion and thrombus, Uehara A; Isaka Y; Hashikawa K; et al, *J Nucl Med* 1988; 29: 1264

- steel occlusion coils: pretreatment with thrombin, McLean GK; Stein EJ; Burke DR; Meranze SG, *Radiology* 1986; 158: 549

- thrombolysis of peripheral arterial bypass grafts: surgical thrombectomy compared with thrombolysis: a preliminary report, (ab), Graor RA; Rissius B; Young JR; et al, *Radiology* 1988; 168: 887

- ultrasonically induced intravascular streaming and thrombus formation adjacent to a micropipette, Frizzell LA; Miller DL; Nyborg WL, *Ultrasound Med Biol* 1986; 12: 217

Thrombosis, arterial

- See also individual vessels, e.g., Carotid arteries, thrombosis

- acute peripheral arterial and graft occlusion: treatment with selective infusion of urokinase and lysis plasminogen, Pernes JM; Vitoux JF; Brenoit P; Raynaud A; Parola JL; Roth JP; Angel CY; Fiessinger JN; Roncato M; Gaux JC, *Radiology* 1986; 158: 481

- arterial occlusions in neonates: use of fibrinolytic therapy, Strife JL; Ball WS Jr; Towbin RB; Keller MS; Dillon T, *Radiology* 1988; 166: 395

- detection of basilar artery thrombosis by computed tomography, Hankey GJ; Khangure MS; Stewart-Wynne EG, *Clin Radiol* 1988; 39: 140

- intraarterial fibrinolysis: in vitro and prospective clinical evaluation of three thrombolytic agents, Pilger E; Lammer J; Bertuch H; Steiner H, *Radiology* 1986; 161: 597

- intraarterial fibrinolysis: long-term results, Lammer J; Pilger E; Neumayer K; Schreyer H, *Radiology* 1986; 161: 159

- intraluminal thrombus of the internal carotid arteries: angiographic demonstration of resolution with anticoagulant therapy alone, Pelz DM; Buchan A; Fox AJ; Barnett HJM; Vinuela FV, *Radiology* 1986; 160: 369

- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries, Koppstein R; Minar E; Ahmadi R; Jung M; Ehringer H, *Radiology* 1988; 168: 877

- low doses of recombinant human tissue-type plasminogen activator for local thrombolysis in peripheral arteries: reply, Rissius B, *Radiology* 1988; 168: 877

- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Mietasch A; Bruckl R, *Radiology* 1987; 163: 753

- recombinant human tissue-type plasminogen activator for thrombolysis in peripheral arteries and bypass grafts, Rissius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR; Grossbard EB, *Radiology* 1986; 160: 183

- sonographic detection of neonatal umbilical artery thrombosis: clinical correlation, Seibert JJ; Taylor BJ; Williamson SL; et al, *AJR* 1987; 148: 965

- thrombolytic therapy with recombinant human tissue-type plasminogen activator: a comparison of two doses, Rissius B; Graor RA; Geisinger MA; Zelch MG; Lucas FV; Young JR, *Radiology* 1987; 164: 465

- treatment of grafts and major vessel thrombosis with low-dose streptokinase in children, (ab), LeBlanc JG; Culham JAG; Chan K-W; et al, *Radiology* 1986; 161: 864

- urokinase versus streptokinase in local thrombolysis, van Breda A; Katzen BT; Deutsch AS, *Radiology* 1987; 165: 109

- vascular injury and thromboembolism in a young woman, Saeed M; Cohan RH; German DC; et al, *Invest Radiol* 1987; 22: 62

Thrombosis, experimental

- coumadin and ¹¹¹In-labeled platelet uptake on experimental thrombi in dogs: preliminary observations, Sostman HD; Zoghbi SS; Carbo P; et al, *Invest Radiol* 1987; 22: 216

- forceful pulsatile local infusion of enzyme accelerates thrombolysis: in vivo evaluation of a new delivery system, Kandarpa K; Drinker PA; Singer SJ; Caramore D, *Radiology* 1988; 168: 739

- imaging fresh venous thrombi in the dog with I-131 and In-111 labeled fibrin-specific monoclonal antibody and (Fab')₂ fragments, Grossman ZD; Rosebrough SF; McAfee JG; Subramanian G; Ritter-Hrncirik CA; Witanowski LS; Tillapaugh-Fay G; Urrutia E, *Radiographics* 1987; 7: 913

- proton relaxation in experimental clots varies with method of preparation, Sostman HD; Pope CF; Smith GJW; et al, *Invest Radiol* 1987; 22: 509

- radioimmunoimaging of experimental thrombi in dogs using technetium-99m-labeled monoclonal antibody fragments reactive with human platelets, Som P; Oster ZH; Zamora PO; et al, *J Nucl Med* 1986; 27: 1315

- selective embolization and clot dissolution with tPA in the internal carotid artery circulation of the rabbit, Phillips DA; Davis MA; Fisher M, *AJNR* 1988; 9: 899

- venous thrombosis: clinical and experimental MR imaging, Erdman WA; Weinreb JC; Cohen JM; Buja LM; Chaney C; Peshock RM, *Radiology* 1986; 161: 233

Thrombosis, MR studies

- calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging, von Schultheiss GK; Augustiny N, *Radiology* 1987; 164: 549

- cardiovascular disease: evaluation with MR phase imaging, Rumanik WM; Naidich DP; Chandra R; Kowalski HM; McCauley DI; Megibow AJ; Hernanz-Schulman M; Genieser NB, *Radiology* 1988; 166: 63

- congested deep subcortical veins as a sign of dural venous thrombosis: MR and CT correlations, Andersson SC; Shah CP; Murtagh FR, *JCAT* 1987; 11: 1059

- magnetic resonance imaging of aneurysms and thrombi. Zeitler E; Kaiser W; Schulerer G; et al. *Cardiovasc Intervent Radiol* 1986; 8: 321
- MR imaging of transverse/sigmoid dural sinus and jugular vein thrombosis. McArdle CB; Mirfakhraee M; Amparo EG; et al. *JCAT* 1987; 11: 831
- phase-offset technique to distinguish slow blood flow and thrombus on MR images. Dinsmore RE; Wedeen VJ; Rosen B; et al. *AJR* 1987; 148: 634
- proton relaxation in experimental clots varies with method of preparation. Sostman HD; Pope CF; Smith GJW; et al. *Invest Radiol* 1987; 22: 509
- thrombus simulating flow void: a pitfall in diagnosing aqueductal patency by high-field MR imaging. Augustyn GT; D'Amour PG; Scott JA; et al. *AJR* 1987; 8: 1139
- venous thrombosis: clinical and experimental MR imaging. Erdman WA; Weinreb JC; Cohen JM; Buja LM; Chaney C; Peshock RM. *Radiology* 1986; 161: 233
- Thrombosis, radionuclide studies**
- coumadin and ¹¹¹In-labeled platelet uptake on experimental thrombi in dogs: preliminary observations. Sostman HD; Zoghbi SS; Carbo P; et al. *Invest Radiol* 1987; 22: 216
- deep venous thrombophlebitis: detection with 4-hour versus 24-hour platelet scintigraphy. Seabold JE; Conrad GR; Ponto JA; Kimball DA; Frey EE; Ahmed F; Coughlan JD; Jensen KC. *Radiology* 1987; 163: 355
- detection of deep venous thrombosis by indium-111 leukocyte scintigraphy. D'Alonzo WA Jr; Alavi A. *J Nucl Med* 1986; 27: 631
- evaluation of indium-111-labeled anti-fibrin antibody for imaging vascular thrombi. Knight LC; Maurer AH; Ammar IA; et al. *J Nucl Med* 1988; 29: 494
- pitfalls in establishing the diagnosis of deep venous thrombophlebitis by indium-111 platelet scintigraphy. Seabold JE; Conrad GR; Kimball DA; et al. *J Nucl Med* 1988; 29: 1169
- pulmonary thromboembolism: current status report on the role of nuclear medicine. Wellman HN. *Semin Nucl Med* 1986; 16: 236
- radioimmunoinaging of experimental thrombi in dogs using technetium-99m-labeled monoclonal antibody fragments reactive with human platelets. Som P; Oster ZH; Zamora PO; et al. *J Nucl Med* 1986; 27: 1315
- single photon emission computed tomography in the diagnosis of pulmonary thromboembolism. Touya JJ; Corbus HF; Savala KM; et al. *Semin Nucl Med* 1986; 16: 306
- superior sagittal sinus thrombosis: assessment with Tc-99m labeled red blood cells. Front D; Israel O; Even-Sapir E; Feinsud M. *Radiology* 1986; 158: 453
- technetium-99m sulfur colloid imaging of vascular thrombosis in pancreaticosplenic transplant. Grassi CJ; Lee RGL; Hill TC; et al. *Clin Nucl Med* 1986; 11: 558
- thrombus imaging with indium-111 and iodine-131-labeled fibrin-specific monoclonal antibody and its F(ab)₂ and Fab fragments. Rosebrough SF; Grossman ZD; McAfee JG; et al. *J Nucl Med* 1988; 29: 1212
- unsuspected deep venous thrombophlebitis detected by gallium-67 imaging. Ford PV; Parker HG. *Clin Nucl Med* 1987; 12: 556
- Thrombosis, renal vein**
- See Renal veins, thrombosis
- Thrombosis, US studies**
- contrast venography: reassessment of its role. Naidich JB; Feinberg AW; Karp-Harman H; Karmel MI; Tyma CG; Stein HL. *Radiology* 1988; 168: 97
- deep venous thrombosis in pregnancy: noninvasive diagnosis. Polak JF; O'Leary DH. *Radiology* 1988; 166: 377
- deep venous thrombosis: is contrast venography still the diagnostic "gold standard"? Redman HC. *Radiology* 1988; 168: 277
- deep venous thrombosis of the leg: US findings. Appelman PT; De Jong TE; Lampmann LE. *Radiology* 1987; 163: 743
- deep venous thrombosis of the lower extremity: US evaluation. Vogel P; Laing FC; Jeffrey RB Jr; Wing VW. *Radiology* 1987; 163: 747
- deep venous thrombosis: US assessment using vein compression. Cronan JJ; Dorfman GS; Scola FH; Schepps B; Alexander J. *Radiology* 1987; 162: 191
- diagnosis of internal jugular vein thrombosis. Albertyn LE; Alcock MK. *Radiology* 1987; 162: 505
- duplex Doppler evaluation of puerperal ovarian vein thrombosis. Baran GW; Frisch KM. *AJR* 1987; 149: 321
- further studies on ultrasonic properties of blood clots. Shung KK; Fei DY; Ballard JO III. *JCU* 1986; 14: 269
- lower-extremity deep venous thrombosis: further experience with and refinements of US assessment. Cronan JJ; Dorfman GS; Grunmark J. *Radiology* 1988; 168: 101
- real-time B-mode ultrasonography for better specificity in the noninvasive diagnosis of deep venous thrombosis. Dauzat MM; Laroche J-P; Charras C; et al. *J Ultrasound Med* 1986; 5: 625
- sonography in differential diagnosis of deep venous thrombosis of the leg. Aronen HJ; Pamiilo M; Suoranta HT; et al. *Acta Radiol* 1987; 28: 457
- thrombosis of upper extremity thoracic inlet veins: diagnosis with duplex Doppler sonography. Falk RL; Smith DF. *AJR* 1987; 149: 677
- ultrasonic demonstration of superior mesenteric and splenoportal venous thrombosis. Kidambi H; Herbert R; Kidambi AV. *JCU* 1986; 14: 199
- Thrombosis, venous**
- See also individual vessels, e.g., Hepatic veins, thrombosis
- aged venous thrombi: radioimmunoinaging with fibrin-specific monoclonal antibody. Rosebrough SF; Grossman ZD; McAfee JG; Kudryk BJ; Subramanian G; Ritter-Hrncirik CA; Witanowski LS; Tillapaugh-Fay G; Urrutia E. *Radiology* 1987; 162: 573
- axillary-subclavian vein thrombosis following combination chemotherapy and radiation therapy in lymphoma. Schreiber DP; Kapp DS. *Int J Radiat Oncol Biol Phys* 1986; 12: 391
- case of the season. Pieterman H. *Semin Roentgenol* 1988; 23: 91
- clinical value of blood pool radionuclide venography. Zorba J; Schier D; Posmituck G. *AJR* 1986; 146: 1051
- computed tomography appearance of adrenal vein thrombosis. Zirinsky K; Auh YH; Rubenstein WA; et al. *CT* 1987; 11: 216
- contrast venography: reassessment of its role. Naidich JB; Feinberg AW; Karp-Harman H; Karmel MI; Tyma CG; Stein HL. *Radiology* 1988; 168: 97
- CT findings in acute thrombosis of superior mesenteric vein aneurysm. Wise RH Jr; Retterbush DW; Stanley RJ. *JCAT* 1987; 11: 172
- deep vein thrombosis and pulmonary embolism: clinical presentation and pathophysiologic consequences. Comerota AJ. *Cardiovasc Intervent Radiol* 1988; 11: 59
- deep venous thrombophlebitis: detection with 4-hour versus 24-hour platelet scintigraphy. Seabold JE; Conrad GR; Ponto JA; Kimball DA; Frey EE; Ahmed F; Coughlan JD; Jensen KC. *Radiology* 1987; 163: 355
- deep venous thrombosis: detection by probe compression of veins. Raghavendra BN; Horri SC; Hilton S; et al. *J Ultrasound Med* 1986; 5: 89
- deep venous thrombosis evaluation with limited-flip-angle, gradient-refocused MR imaging: preliminary experience. Spritzer CE; Sussman SK; Blinder RA; Saeed M; Herfkens RJ. *Radiology* 1988; 166: 371
- deep venous thrombosis in pregnancy: noninvasive diagnosis. Polak JF; O'Leary DH. *Radiology* 1988; 166: 377
- deep venous thrombosis: is contrast venography still the diagnostic "gold standard"? Redman HC. *Radiology* 1988; 168: 277
- deep venous thrombosis of the leg: US findings. Appelman PT; De Jong TE; Lampmann LE. *Radiology* 1987; 163: 743
- deep venous thrombosis of the lower extremity: US evaluation. Vogel P; Laing FC; Jeffrey RB Jr; Wing VW. *Radiology* 1987; 163: 747
- deep venous thrombosis: US assessment using vein compression. Cronan JJ; Dorfman GS; Scola FH; Schepps B; Alexander J. *Radiology* 1987; 162: 191
- detection of deep venous thrombosis by indium-111 leukocyte scintigraphy. D'Alonzo WA Jr; Alavi A. *J Nucl Med* 1986; 27: 631
- diagnosis of internal jugular vein thrombosis. Albertyn LE; Alcock MK. *Radiology* 1987; 162: 505
- duplex Doppler evaluation of puerperal ovarian vein thrombosis. Baran GW; Frisch KM. *AJR* 1987; 149: 321
- empty delta sign: frequency and significance in 76 cases of dural sinus thrombosis. Virapongse C; Cazenave C; Quisling RC; Sarwar M; Hunter S. *Radiology* 1987; 162: 779
- fibrinolysis with intrathrombotic injection of urokinase and tissue-type plasminogen activator: results in a new model of subacute venous thrombosis. Valji K; Bookstein JJ. *Invest Radiol* 1987; 22: 23
- fibrinolytic therapy for deep vein thrombosis and pulmonary embolism. Graor R. *Cardiovasc Intervent Radiol* 1988; 11: 533
- follow-up evaluation of venous morphologic factors and function after thrombectomy and temporary arteriovenous fistula in thrombosis of iliofemoral vein. (ab). Einarsen E; Albrechtsson U; Eklof B; et al. *Radiology* 1987; 162: 588
- gastrointestinal hemorrhage associated with chronic mesenteric venous occlusion. (ab). Soper NJ; Rikkers LF; Miller FJ. *Radiology* 1986; 158: 858
- high-attenuation recent thrombus of the portal vein: CT demonstration and clinical significance. Mori H; Hayashi K; Uetani M; Matsuo Y; Iwao M; Maeda H. *Radiology* 1987; 163: 353
- internal jugular vein thrombosis. (ab). Cohen JF; Pernsky MS; Reede DL. *Radiology* 1986; 161: 862
- low-dose streptokinase thrombolysis of axillary-subclavian vein thrombosis. Huey H; Morris DC; Nichols DM; et al. *Cardiovasc Intervent Radiol* 1987; 10: 92
- lower-extremity deep venous thrombosis: further experience with and refinements of US assessment. Cronan JJ; Dorfman GS; Grunmark J. *Radiology* 1988; 168: 101
- mesenteric vein thrombosis: early CT and US diagnosis and conservative management. Matos C; Van Gansbeke D; Zalcman M; et al. *Gastrointest Radiol* 1986; 11: 322
- MR imaging of transverse/sigmoid dural sinus and jugular vein thrombosis. McArdle CB; Mirfakhraee M; Amparo EG; et al. *JCAT* 1987; 11: 831
- MRI of puerperal ovarian-vein thrombosis (case report). Martin B; Mulopulos GP; Bryan PJ. *AJR* 1986; 147: 291
- noninvasive and venographic diagnosis of deep vein thrombosis. Bettmann MA. *Cardiovasc Intervent Radiol* 1988; 11: 515
- occult malignant neoplasm in patients with deep venous thrombosis. (ab). Goldberg RJ; Seneff M; Gore JM; et al. *Radiology* 1987; 164: 292
- occult pulmonary embolism: common occurrence in deep venous thrombosis. Dorfman GS; Cronan JJ; Tupper TB; et al. *AJR* 1987; 148: 263
- panvenography and pulmonary angiography in the diagnosis of deep venous thrombosis and pulmonary thromboembolism. Kramer FL; Teitelbaum G; Merli GJ. *Radiol Clin North Am* 1986; 24: 397
- percutaneous insertion of the Kimray-Greenfield filter: incidence of femoral vein thrombosis. Kantor A; Glanz S; Gordon DH; et al. *AJR* 1987; 149: 1065
- pitfalls in establishing the diagnosis of deep venous thrombophlebitis by indium-111 platelet scintigraphy. Seabold JE; Conrad GR; Kimball DA; et al. *J Nucl Med* 1988; 29: 1169
- pseudocyst in splenic hilus with splenic vein thrombosis: case presentation and review. Engel A; Adler OB; Keidar S. *Eur J Radiol* 1987; 7: 213
- radionuclide venography: imaging monitor in deep-vein thrombosis of the pelvis and lower extremities. Sy WM; Seo IS. *Br J Radiol* 1986; 59: 325

Thrombosis, venous

- real-time B-mode ultrasonography for better specificity in the noninvasive diagnosis of deep venous thrombosis, Dauzat MM; Laroche J-P; Charras C; et al, *J Ultrasound Med* 1986; 5: 625
- real-time ultrasound diagnosis of deep vein thrombosis: comparison with venography, Aitken AGF; Godden DJ, *Clin Radiol* 1987; 38: 309
- real-time ultrasound diagnosis of internal jugular vein thrombosis, de Witte BR; Lameris JS, *JCU* 1986; 14: 712
- review of computed tomography findings in thrombosis of the major abdominal venous pathways, Castillo M; Nunez D; Morillo G, *CT* 1986; 10: 205
- segmental air plethysmography in the diagnosis of deep vein thrombosis, (ab), van Rijn ABB; Heller I; Van Zijl J, *Radiology* 1988; 168: 294
- sonographic demonstration of iliac venous thrombosis in the maternity patient, Frede TE; Ruthberg BN, *J Ultrasound Med* 1988; 7: 33
- sonographic diagnosis of subclavian and internal jugular vein thrombosis, Weissleder R; Elizondo G; Stark DD, *J Ultrasound Med* 1987; 6: 577
- sources of error in duplex venography and an algorithmic approach to the diagnosis of deep venous thrombosis, Zwiebel WJ, *Semin US CT MR* 1988; 9: 286
- subclavian and axillary vein thrombosis following radiotherapy for carcinoma of the breast, Wilson CB; Lambert HE; Scott RD, *Clin Radiol* 1987; 38: 95
- superior vena cava syndrome associated with massive thrombosis: treatment with expandable wire stents, Putnam JS; Uchida BT; Antonovic R; Rösch J, *Radiology* 1988; 167: 727
- technetium-99m red blood cell venography in patients with clinically suspected deep vein thrombosis: a prospective study, Leclerc JR; Wolfson C; Arzoumanian A; et al, *J Nucl Med* 1988; 29: 1498
- technetium-99m red blood cell venography in upper extremity deep venous thrombosis, Silverstein AM; Turbner EH, *Clin Nucl Med* 1987; 12: 421
- thrombosis of the splanchnic veins: CT diagnosis, Vogelzang RL; Gore RM; Anschuetz SL; et al, *AJR* 1988; 150: 93
- thrombosis of upper extremity thoracic inlet veins: diagnosis with duplex Doppler sonography, Falk RL; Smith DF, *AJR* 1987; 149: 677
- treatment of deep vein thrombosis and pulmonary emboli in patients with primary and metastatic brain tumors: anticoagulants or inferior vena cava filter?, (ab), Olin JW; Young JR; Graor RA; et al, *Radiology* 1988; 167: 885
- treatment of grafts and major vessel thrombosis with low-dose streptokinase in children, (ab), LeBlanc JG; Culham JAG; Chan K-W; et al, *Radiology* 1986; 161: 864
- ultrasonic demonstration of superior mesenteric and splenoportal venous thrombosis, Kidambi H; Herbert R; Kidambi AV, *JCU* 1986; 14: 199
- ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis, Freling NJM; Schuur KH; Haagsma EB; et al, *JCU* 1986; 14: 554
- use and limitations of thermography in patients with clinically suspected venous thrombosis, Leung K; Gallus AS; Sage MR, *Australas Radiol* 1987; 31: 424
- vascular thrombosis and homocystinuria, Zimmerman R; Sherry RG; Elwood JC; et al, *AJR* 1987; 148: 953
- venous clots: evaluation with MR imaging, Rapoport S; Sostman HD; Pope C; Computaro CM; Holcomb W; Gore JC, *Radiology* 1987; 162: 527
- venous thrombosis after cardiac catheterization in infants, Laurin S; Lundström N-R, *Acta Radiol* 1987; 28: 241
- venous thrombosis: clinical and experimental MR imaging, Erdman WA; Weinreb JC; Cohen JM; Buja LM; Chaney C; Peshock RM, *Radiology* 1986; 161: 233
- venous thrombosis: the clinical problem, Rollins DL; Lloyd WE; Buchbinder D, *Semin US CT MR* 1988; 9: 277
- Thymoma**
See Thymus, neoplasms
- Thymus**
unilobar enlargement of normal thymus gland causing mass effect, Thomas NB; Gupta SC, *Br J Radiol* 1988; 61: 244
- Thymus, abnormalities**
change of thymic size during and following cytotoxic therapy in young patients, Bode U; Scheidt W, *Pediatr Radiol* 1988; 18: 20
- computed tomography of thymic abnormalities, Schnyder P; Candardjis G, *Eur J Radiol* 1987; 7: 107
- CT appearances of the normal and abnormal thymus in childhood, St. Amour TE; Siegel MJ; Glazer HS; et al, *JCAT* 1987; 11: 645
- intratracheal thymus: a rare cause of airway obstruction, Martin KW; McAlister WH, *AJR* 1987; 149: 1217
- MR imaging of posterior mediastinal thymus, Rollins NK; Currarino G, *JCAT* 1988; 12: 518
- severe dyspnea and dysphagia resulting from an aberrant cervical thymus, (ab), Bistrizer T; Tamir A; Oland J; et al, *Radiology* 1986; 159: 576
- thymic atrophy and regrowth in response to chemotherapy: CT evaluation, Choyke PL; Zeman RK; Gootenberg JE; et al, *AJR* 1987; 149: 269
- Thymus, CT**
benign thymic enlargement in adults after chemotherapy: CT demonstration, Kissin CM; Husband JE; Nicholas D; Eversman W, *Radiology* 1987; 163: 67
- cervical presentation of a large thymic cyst: CT appearance, Levine C, *JCAT* 1988; 12: 656
- computed tomography and magnetic resonance imaging diagnosis of thymic cyst, Merine DS; Fishman EK; Zerhouni EA, *CT* 1988; 12: 220
- computed tomography and pathologic correlations of thymic lesions, Chen J; Weisbrod GL; Herman SJ, *J Thorac Imag* 1988; 3-1: 61
- computed tomography of the thymus gland in myasthenia gravis, Thorvinger B; Lytkens K; Samuelson L, *Acta Radiol* 1987; 28: 399
- computed tomography of thymic abnormalities, Schnyder P; Candardjis G, *Eur J Radiol* 1987; 7: 107
- CT appearances of the normal and abnormal thymus in childhood, St. Amour TE; Siegel MJ; Glazer HS; et al, *JCAT* 1987; 11: 645
- diagnostic value of plain chest roentgenogram and CT scan findings in four cases of massive thymic hyperplasia, Kobayashi T; Hirabayashi Y; Kobayashi Y, *Pediatr Radiol* 1986; 16: 452
- Hodgkin disease: CT of the thymus, Heron CW; Husband JE; Williams MP, *Radiology* 1988; 167: 647
- normal thymus: assessment with MR and CT, de Geer G; Webb WR; Gamsu G, *Radiology* 1986; 158: 313
- serial CT scans in thymic hyperplasia, Goldberg RE; Haaga JR; Yulish BS, *JCAT* 1987; 11: 539
- thymic lesions: experience with computed tomography in 24 patients, (ab), Keen SJ; Libshitz HI, *Radiology* 1987; 165: 587
- thymus in the superior mediastinum simulating adenopathy: appearance on CT, Cory DA; Cohen MD; Smith JA, *Radiology* 1987; 162: 457
- Thymus, cysts**
case report: benign thymic cyst following mantle radiotherapy for Hodgkin's disease, Veeze-Kuipers B; Van Andel JC; Stiegelis WF; et al, *Clin Radiol* 1987; 38: 289
- cervical presentation of a large thymic cyst: CT appearance, Levine C, *JCAT* 1988; 12: 656
- computed tomography and magnetic resonance imaging diagnosis of thymic cyst, Merine DS; Fishman EK; Zerhouni EA, *CT* 1988; 12: 220
- Hodgkin disease: CT of the thymus, Heron CW; Husband JE; Williams MP, *Radiology* 1988; 167: 647
- Thymus, hyperplasia**
benign thymic enlargement in adults after chemotherapy: CT demonstration, Kissin CM; Husband JE; Nicholas D; Eversman W, *Radiology* 1987; 163: 67
- diagnostic value of plain chest roentgenogram and CT scan findings in four cases of massive thymic hyperplasia, Kobayashi T; Hirabayashi Y; Kobayashi Y, *Pediatr Radiol* 1986; 16: 452
- Hodgkin disease: CT of the thymus, Heron CW; Husband JE; Williams MP, *Radiology* 1988; 167: 647
- rebound thymic hyperplasia after treatment of Cushing's syndrome, Doppman JL; Oldfield EH; Chrousos GP; et al, *AJR* 1986; 147: 1145
- Thymus, MR studies**
computed tomography and magnetic resonance imaging diagnosis of thymic cyst, Merine DS; Fishman EK; Zerhouni EA, *CT* 1988; 12: 220
- MR imaging of posterior mediastinal thymus, Rollins NK; Currarino G, *JCAT* 1988; 12: 518
- normal thymus: assessment with MR and CT, de Geer G; Webb WR; Gamsu G, *Radiology* 1986; 158: 313
- thymus in the superior mediastinum simulating adenopathy: appearance on CT, Cory DA; Cohen MD; Smith JA, *Radiology* 1987; 162: 457
- Thymus, neoplasms**
carcinoid tumors: CT and I-131 meta-iodo-benzylguanidine scintigraphy, Adolph JMG; Kimmig BN; Georgi P; Winkel K, *Radiology* 1987; 164: 199
- computed tomography and pathologic correlations of thymic lesions, Chen J; Weisbrod GL; Herman SJ, *J Thorac Imag* 1988; 3-1: 61
- computed tomography of anterior mediastinal tumors: differentiation between thymoma and germ cell tumor, Mori K; Eguchi K; Moriama H; et al, *Acta Radiol* 1987; 28: 395
- computed tomography of thymic abnormalities, Schnyder P; Candardjis G, *Eur J Radiol* 1987; 7: 107
- hepatic mass: functioning metastatic thymoma 22 years after radiation therapy, Grimmond AP; Spencer RP, *Clin Nucl Med* 1986; 11: 570
- Hodgkin disease: CT of the thymus, Heron CW; Husband JE; Williams MP, *Radiology* 1988; 167: 647
- malignant epithelial tumours of the thymus: survival after radiotherapy, Magee BJ; Stout R, *Clin Radiol* 1986; 37: 273
- stage III thymoma: results of postoperative radiation therapy, Krueger JB; Sagerman RH; King GA, *Radiology* 1988; 168: 855
- thallium-201 uptake in a benign thymoma, Campeau RJ; Ey EH; Varma DGK, *Clin Nucl Med* 1986; 11: 524
- thymic lesions: experience with computed tomography in 24 patients, (ab), Keen SJ; Libshitz HI, *Radiology* 1987; 165: 587
- ultrasonographic findings in thymic lymphoma in children, Lemaître L; Leclerc F; Marconi V; et al, *Eur J Radiol* 1987; 7: 125
- Thymus, radiography**
diagnostic value of plain chest roentgenogram and CT scan findings in four cases of massive thymic hyperplasia, Kobayashi T; Hirabayashi Y; Kobayashi Y, *Pediatr Radiol* 1986; 16: 452
- Thymus, radionuclide studies**
thallium-201 uptake in a benign thymoma, Campeau RJ; Ey EH; Varma DGK, *Clin Nucl Med* 1986; 11: 524
- thymic localization of gallium-67 in pediatric patients with lymphoid and nonlymphoid tumors, Hibi S; Todo S; Imashuku S, *J Nucl Med* 1987; 28: 293
- Thymus, therapeutic radiology**
malignant epithelial tumours of the thymus: survival after radiotherapy, Magee BJ; Stout R, *Clin Radiol* 1986; 37: 273
- stage III thymoma: results of postoperative radiation therapy, Krueger JB; Sagerman RH; King GA, *Radiology* 1988; 168: 855
- Thymus, US studies**
sonographic evaluation of normal thymus in infants and children, Lemaître L; Marconi V; Avni F; et al, *Eur J Radiol* 1987; 7: 130
- ultrasonographic findings in thymic lymphoma in children, Lemaître L; Leclerc F; Marconi V; et al, *Eur J Radiol* 1987; 7: 125

Thyroglossal duct

- follicular adenocarcinoma arising in a thyroglossal duct remnant, Johnson LA; Polga JP, *Clin Nucl Med* 1988; 13: 378
- hyperthyroid thyroid tissue in a thyroglossal duct remnant, Feuerstein IM; Harbert JC, *Clin Nucl Med* 1986; 11: 135

Thyroid

- hyperthyroid thyroid tissue in a thyroglossal duct remnant, Feuerstein IM; Harbert JC, *Clin Nucl Med* 1986; 11: 135

Thyroid, abnormalities

- lingual thyroid: unusual appearance on computed tomography, Shah HR; Boyd CM; Williamson M; et al, *Comput Med Imag Graph* 1988; 12: 263
- radioiodine imaging of struma cordis, Rieser GD; Ober KP; Cowan RJ; et al, *Clin Nucl Med* 1988; 13: 421
- thyroid ectopia in a congenital hypothyroid infant, Krinsky S, *Clin Nucl Med* 1986; 11: 602
- thyroid masses: MR imaging and pathologic correlation, Noma S; Kanaoka M; Minami S; Sagoh T; Yamashita K; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Oomura M; Tasaka Y; Itoh H; Konishi J, *Radiology* 1988; 168: 759

Thyroid, biopsy

- fine-needle aspiration biopsy with a vacuum tube, Fornage BD, *Radiology* 1988; 169: 553
- fine needle aspiration of the thyroid: use in an average health care facility, (ab), Asp AA; Georgitis W; Waldron EJ; et al, *Radiology* 1988; 166: 913
- sonographic guidance of thyroid needle biopsy, Goldfinger M; Rothberg R; Stoll S, *J Canad Assoc Radiol* 1986; 37: 186
- US-guided biopsy of neck masses in postoperative management of patients with thyroid cancer, Sutton RT; Reading CC; Charboneau JW; Jr; mes EM; Grant CS; Hay ID, *Radiology* 1988; 168: 769

Thyroid, calcification

- metastatic calcification in the thyroid gland demonstrated on bone scan in a patient with primary hyperparathyroidism, Amico S; Lucas PG; Diebold MD; et al, *J Nucl Med* 1986; 27: 373

Thyroid, CT

- computed tomography in amyloid goiter, Miyake H; Maeda H; Isomoto I; et al, *JCAT* 1988; 12: 621
- computed tomography of lingual thyroid, Willinsky RA; Kassel EE; Cooper PW; et al, *JCAT* 1987; 11: 182
- lingual thyroid: unusual appearance on computed tomography, Shah HR; Boyd CM; Williamson M; et al, *Comput Med Imag Graph* 1988; 12: 263
- primary thyroid lymphoma: evaluation with CT, Takashima S; Ikezoe J; Morimoto S; Ariawa J; Hamada S; Ikeda H; Masaki N; Kozuka T, *Radiology* 1988; 168: 765
- single photon emission computed tomographic imaging and volume estimation of the thyroid using fan-beam geometry, Webb S; Flower MA; Ott RJ; et al, *Br J Radiol* 1986; 59: 951

Thyroid, diseases

- computer analysis of echographic textures in Hashimoto disease of the thyroid, Mailloux G; Bertrand M; Stampfer R; et al, *JCU* 1986; 14: 521
- concomitant thyroid disease in hyperparathyroidism: reasons for unsatisfactory ultrasonographic localization of parathyroid glands, Karstrup S; Hegedus L, *Eur J Radiol* 1986; 6: 149
- diagnosis and treatment of cystic disease of the thyroid by aspiration, (ab), Sarda AK; Bal S; Gupta SD; et al, *Radiology* 1988; 169: 591
- long-term follow-up in untreated Plummer's disease (autonomous goiter), Wiener JD, *Clin Nucl Med* 1987; 12: 198
- MR imaging in thyroid disorders: correlation of signal intensity with Graves disease activity, Charles ND; Maurer AH; Siegel JA; Radecki PD; Malmud LS, *Radiology* 1987; 164: 491
- MR imaging of the thyroid: comparison with scintigraphy in the normal and diseased gland, Mountz JM; Glazer GM; Dmuchowski C; et al, *JCAT* 1987; 11: 612

- serum TSH, thyroglobulin, and thyroidal disorders in atomic bomb survivors exposed in youth: 30-year follow-up study, Morimoto I; Yoshimoto Y; Sato K; et al, *J Nucl Med* 1987; 28: 1115

- thyroid imaging with high-field-strength surface-coil MR, Gefter WB; Spritzer CE; Eisenberg B; LiVolsi VA; Axel L; Velchik M; Alavi A; Schenck J; Kressel HY, *Radiology* 1987; 164: 483

Thyroid, hyperthyroidism

- coexistence of a nonfunctioning thyroid nodule in Plummer's disease demonstrated by thallium-201 imaging, Ichiya Y; Nakashima T; Gunasekera R; et al, *Clin Nucl Med* 1988; 13: 117
- color-flow Doppler sonography in Graves disease: "thyroid inferno", Kalls FW; Mayekawa DS; Lee KP; et al, *AJR* 1988; 150: 781
- development of Graves' disease following radiation therapy in Hodgkin's disease, Loeffler JS; Tarbell NJ; Garber JR; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 175
- gallium uptake in the thyroid gland in amiodarone-induced hyperthyroidism, Ling MCC; Duke MD; Okerlund MD, *Clin Nucl Med* 1988; 13: 258
- Graves' disease: initial presentation with exophthalmos and solitary hot nodule, Vento JA; Slavin JD Jr; Reardon GE; et al, *Clin Nucl Med* 1986; 11: 404
- human breast milk excretion of iodine-131 following diagnostic and therapeutic administration to a lactating patient with Graves' disease, Dydek GJ; Blue PW, *J Nucl Med* 1988; 29: 407
- hyperthyroidism and the single lobe, Fawcett HD; Winsett MZ; Yudit WM; et al, *Clin Nucl Med* 1987; 12: 57
- hyperthyroidism caused by a toxic intrathoracic goiter with a normal-sized cervical thyroid gland, Prakash R; Lakshminathi N; Jena A; et al, *J Nucl Med* 1986; 27: 1423

- ophthalmopathy of Graves' disease: computerized volume measurements of the orbital fat and muscle, Forbes G; Gorman CA; Brennan MD; et al, *AJNR* 1986; 7: 651

- radiation therapy for Graves' ophthalmopathy: a retrospective analysis, Palmer D; Greenberg P; Cornell P; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1815

- radioiodine therapy of hyperthyroidism precludes thallium-201 myocardial scintigraphy, Orzel JA; Kruey WB; Borchert RD, *Clin Nucl Med* 1987; 12: 110

- radioiodine treatment of solitary functioning thyroid nodules, Ratcliffe GE; Cooke S; Fogelman I; et al, *Br J Radiol* 1986; 59: 385

- serial thyroid iodine content in hyperthyroid patients treated with radioiodine, Lee GS; Sandler MP; Patton JA; et al, *Clin Nucl Med* 1986; 11: 115

- should a woman taking propylthiouracil breast-feed?, McDougall IR; Bayer MF, *Clin Nucl Med* 1986; 11: 249

- struma ovarii: hyperthyroidism in a postmenopausal woman, March DE; Desai AG; Park CH; et al, *J Nucl Med* 1988; 29: 263

- sublingual pyramidal lobe: complications of subtotal thyroidectomy for Graves' disease, Sternberg JL, *Clin Nucl Med* 1986; 11: 766

- thyroid uptake of gallium in Graves' disease, Allard JC; Lee VW; Franklin P, *Clin Nucl Med* 1988; 13: 663

- thyrotoxicosis caused by functioning metastatic thyroid carcinoma: rare and elusive cause of hyperthyroidism with low radioactive iodine uptake, Ober KP; Cowan; Sevier RE; et al, *Clin Nucl Med* 1987; 12: 345

Thyroid, hypothyroidism

- congenital hypothyroidism: diagnostic scintigraphic evaluation of an organification defect, Cone L; Oates E; Vazquez R, *Clin Nucl Med* 1988; 13: 419

- "idiopathic" cerebellar calcifications: association with hypothyroidism?, Burke JW; Williamson BRJ; Hurst RW, *Radiology* 1988; 167: 533

- pituitary size in hypothyroidism as determined by computed tomography, Walsley D; Messias N; O'Malley BF; et al, *Br J Radiol* 1987; 60: 935

- posterior longitudinal ligament ossification myelopathy and hypothyroidism, Nichols JN; Tehranzadeh J; Vaccaro FF, *CT* 1987; 11: 61

- technetium 99m pertechnetate thyroid scintigraphy: congenital hypothyroid screening, Wells RG; Sty JR; Duck SC, *Pediatr Radiol* 1986; 16: 368

- thyroid ectopia in a congenital hypothyroid infant, Krinsky S, *Clin Nucl Med* 1986; 11: 602

Thyroid, inflammation**See Thyroiditis****Thyroid, lingual**

- computed tomography of lingual thyroid, Willinsky RA; Kassel EE; Cooper PW; et al, *JCAT* 1987; 11: 182

- sublingual pyramidal lobe: complications of subtotal thyroidectomy for Graves' disease, Sternberg JL, *Clin Nucl Med* 1986; 11: 766

Thyroid, MR studies

- MR imaging in thyroid disorders: correlation of signal intensity with Graves disease activity, Charles ND; Maurer AH; Siegel JA; Radecki PD; Malmud LS, *Radiology* 1987; 164: 491

- MR imaging of the thyroid, Higgins CB; McNamara MT; Fisher MR; et al, *AJR* 1986; 147: 1255

- MR imaging of the thyroid: comparison with scintigraphy in the normal and diseased gland, Mountz JM; Glazer GM; Dmuchowski C; et al, *JCAT* 1987; 11: 612

- MR imaging of thyroid hemochromatosis, Noma S; Konishi J; Morikawa M; et al, *JCAT* 1988; 12: 623

- potential application of NMR in the investigation of the thyroid gland under different physiological conditions, Ratkovic S; Sinadinovic J, *Magn Res Imag* 1986; 4: 509

- recurrent thyroid carcinoma: characteristics on MR images, Auffermann W; Clark OH; Thurnher S; Galante M; Higgins CB, *Radiology* 1988; 168: 753

- thyroid gland: MR imaging, Noma S; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Konishi J; Kasagi K; Iida Y; Itoh H; Torizuka K, *Radiology* 1987; 164: 495

- thyroid imaging with high-field-strength surface-coil MR, Gefter WB; Spritzer CE; Eisenberg B; LiVolsi VA; Axel L; Velchik M; Alavi A; Schenck J; Kressel HY, *Radiology* 1987; 164: 483

- thyroid masses: MR imaging and pathologic correlation, Noma S; Kanaoka M; Minami S; Sagoh T; Yamashita K; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Oomura M; Tasaka Y; Itoh H; Konishi J, *Radiology* 1988; 168: 759

- thyroid tissue characterization by proton magnetic resonance relaxation time determination, Tennvall J; Olsson M; Moller T; et al, *Acta Oncol* 1987; 26: 27

Thyroid, neoplasms

- accumulation of iodine-131 and technetium-99m pertechnetate in thyroid carcinoma, Katagiri M; Suzuki S; Sadahiro S; et al, *Clin Nucl Med* 1988; 13: 276

- analysis of "ablation of thyroid remnants" with I-131 in 511 patients from 1947-1984: experience at University of Michigan, (ab), Beierwaltes WH; Rabbani R; Dmuchowski CF; et al, *Radiology* 1986; 158: 573

- association of post-radiation thyroid nodular disease with compensated hypothyroidism, Doniach I; Kingston JE; Plozman FN; et al, *Br J Radiol* 1987; 60: 1223

- autonomous functioning cystic thyroid adenoma: unusual occurrence, Williamson MR; Boyd CM; Williamson SL; et al, *Clin Nucl Med* 1986; 11: 821

- cerebral edema following iodine-131 therapy for thyroid carcinoma metastatic to the brain, Datz FL, *J Nucl Med* 1986; 27: 637

- colon carcinoma metastatic to the thyroid gland, Lester JW Jr; Carter MP; Berens SV; et al, *Clin Nucl Med* 1986; 11: 634

- CT demonstration of calcified liver metastases in medullary thyroid carcinoma, McDonnell CH III; Fishman EK; Zerhouni EA, *JCAT* 1986; 10: 976

Thyroid, neoplasms

- demonstration of simultaneous thyroid and parathyroid adenoma, situated in the same anatomic level, Garty I, Risescu J, Rosen G, Clin Nucl Med 1986; 11: 430
- determination of iodine-131 diagnostic dose for imaging metastatic thyroid cancer, Arnstein NB, Carey JE, Spaulding SA, et al, J Nucl Med 1986; 27: 1764
- diffuse uptake of technetium-99m pertechnetate in a patient with metastases from thyroid carcinoma, Bouvier J-F, You E, Peau J-Y, et al, Clin Nucl Med 1986; 11: 728
- effect of reserpine on salivary gland radioiodine uptake in thyroid cancer, Levy HA, Park CH, Clin Nucl Med 1987; 12: 303
- evaluation of radionuclide imaging and echography in the diagnosis of thyroid nodules, Ikekubo K, Higa T, Hirasu M, et al, Clin Nucl Med 1986; 11: 145
- extramedullary plasmacytoma of the thyroid, Salazar JE, Nelson JF, Winer-Muram HT, J Canad Assoc Radiol 1987; 38: 136
- fetal adenoma of the thyroid: a common source for false-positive thallium-201/technetium-99m pertechnetate subtraction parathyroid scintigraphy, Kruback AJ, Clin Nucl Med 1987; 12: 539
- frequency of hepatic visualization during I-131 imaging for metastatic thyroid carcinoma, Rosenbaum RC, Johnston GS, Valente WA, Clin Nucl Med 1988; 13: 657
- hepatic visualization on iodine-131 whole-body thyroid cancer scans, Ziessman HA, Bahar H, Fahey FH, et al, J Nucl Med 1987; 28: 1408
- imaging of medullary thyroid carcinoma and hyperfunctioning adrenal medulla using iodine-131 metaiodobenzylguanidine, Ansari AN, Siegel ME, DeQuattro V, et al, J Nucl Med 1986; 27: 1858
- imaging of metastases of thyroid carcinoma with fluorine-18 fluorodeoxyglucose, Joensuu H, Ahonen A, J Nucl Med 1987; 28: 910
- improved prediction of thyroid lobar mass from parameters obtained by routine thyroid scintigraphy, duCret RP, Choi RE, Roe SJ, et al, Clin Nucl Med 1987; 12: 436
- iodine-131 MIBG uptake in metastatic medullary carcinoma of the thyroid: a patient treated with somatostatin, Keeling CA, Basso LV, Clin Nucl Med 1988; 13: 260
- iodine-131 treatment of thyroid cancer: absorbed dose calculated from post-therapy scans, Koral KF, Adler RS, Carey JE, et al, J Nucl Med 1986; 27: 1207
- lithium as an adjuvant of iodine-131 uptake when treating patients with well-differentiated thyroid carcinoma, Pons F, Carrio I, Estorch M, et al, Clin Nucl Med 1987; 12: 644
- long-term hazards of the treatment of thyroid cancer with radioiodine, Edmonds CJ, Smith T, Br J Radiol 1986; 59: 45
- malignant fibrous histiocytoma metastatic to the thyroid gland, Ackerman L, Romyn A, Khedkar N, et al, Clin Nucl Med 1987; 12: 648
- malignant lymphoma in Hashimoto thyroiditis: CT appearance, Ginaldi S, JCAT 1986; 10: 1071
- medullary thyroid carcinoma: localization of a mediastinal metastasis with I-131 MIBG, Laflamme L, Taillefer R, Durancieu A, et al, Clin Nucl Med 1988; 13: 577
- medullary thyroid carcinoma: role of high-resolution US, Gorman B, Charboneau JW, James EM, Reading CC, Wold LE, Grant CS, Garib H, Hay ID, Radiology 1987; 162: 147
- metastatic papillary thyroid carcinoma with normal serum thyroglobulin level, Miller JH, Marcus CS, Clin Nucl Med 1988; 13: 652
- metastatic tumours detected as cold nodules on the thyroid scan, Vorne M, Järvi K, Br J Radiol 1988; 61: 329
- metastatic differentiated carcinoma of the thyroid and radioiodine, Andrews JT, McGinnisken MR, Australas Radiol 1987; 31: 41
- new radionuclide tracers for the diagnosis and therapy of medullary thyroid carcinoma, Hoefnagel CA, Delprat CC, Zanin D, et al, Clin Nucl Med 1988; 13: 159
- non-Hodgkin's lymphoma of the thyroid, Makepeace AR, Fermont DC, Bennett MH, Clin Radiol 1987; 38: 277
- osteoblastic metastases from thyroid carcinoma, (ab), Bhushan B; Vashist GP; Prasad J, et al, Radiology 1986; 158: 569
- osteosclerotic metastasis from thyroid carcinoma, Mohan V; Bhushan B; Sahai SB, et al, Australas Radiol 1987; 31: 204
- papillary and follicular thyroid cancer: impact of treatment in 1578 patients, Simpson WJ; Panzarella T; Carruthers JS, et al, Int J Radiat Oncol Biol Phys 1988; 14: 1063
- poor results with technetium-99m (V) DMS and iodine-131 MIBG in the imaging of medullary thyroid carcinoma, Hilditch TE, Connell JMC, Elliott AT, et al, J Nucl Med 1986; 27: 1150
- primary lymphoma of the thyroid: clinical features, prognostic factors, and results of treatment, Tupchong L, Hughes F, Harmer CL, Int J Radiat Oncol Biol Phys 1986; 12: 1813
- primary malignant lymphoma of the thyroid: sonographic appearance, Parulekar SG; Katzman RA, JCU 1986; 14: 60
- primary thyroid lymphoma: evaluation with CT, Takashima S, Ikezoe J, Morimoto S; Arisawa J; Hamada S; Ikeda H; Masaki N; Kozuka T, Radiology 1988; 168: 765
- prognostic factors of papillary, follicular and medullary carcinomas of the thyroid gland, (ab), Tennvall J; Björklund A; Möller T, et al, Radiology 1986; 158: 575
- prognostic significance of thyroid gland involvement in laryngeal carcinoma, (ab), Gilbert RW, Cullen RJ; van Nostrand P, et al, Radiology 1987; 163: 839
- radiation-induced thyroid carcinoma: clinical course and results of therapy in 296 patients, (ab), Schneider AB; Recant W; Pinsky SM, et al, Radiology 1987; 163: 294
- recurrent medullary carcinoma of the thyroid demonstrated by thallium-201 scintigraphy, Arnstein NB; Juni JE; Sisson JC, et al, J Nucl Med 1986; 27: 1564
- recurrent thyroid carcinoma: characteristics on MR images, Auffermann W; Clark OH; Thurnher S; Galante M; Higgins CB, Radiology 1988; 168: 753
- resectional management of airway invasion by thyroid carcinoma, (ab), Grillo HC; Zannini P, Radiology 1987; 163: 290
- role of technetium-99m pentavalent DMSA in the management of patients with medullary carcinoma of the thyroid, Clarke SEM; Lazarus CR; Mistry R, et al, Br J Radiol 1987; 60: 1089
- role of thallium-201 total-body scintigraphy in follow-up of thyroid carcinoma, Hoefnagel CA; Delprat CC; Marcuse HR, et al, J Nucl Med 1986; 27: 1854
- scintigraphic hot nodules and thyroid carcinoma, Nagai GR; Pitts WC; Basso L, et al, Clin Nucl Med 1987; 12: 123
- scintigraphy and treatment of medullary carcinoma of the thyroid with iodine-131 metaiodobenzylguanidine, Clarke SEM; Lazarus CR; Edwards S, et al, J Nucl Med 1987; 28: 1820
- serum thyroglobulin in the investigation of patients presenting with metastases, Edmonds CJ; Willis CL, Br J Radiol 1988; 61: 317
- side effects of "rational dose" iodine-131 therapy for metastatic well-differentiated thyroid carcinoma, Van Nostrand D; Neutze J; Atkins F, J Nucl Med 1986; 27: 1519
- sonography in the follow-up of 100 patients with thyroid carcinoma, Simeone JF; Daniels GH; Hall DA, et al, AJR 1987; 148: 45
- spurious thyroid cancer metastasis: saliva contamination artifact in high dose iodine-131 metastases survey, Park H-M; Tarver RD; Schaeffer DS, et al, J Nucl Med 1986; 27: 634
- squamous cell carcinoma of the thyroid, Silver L, Clin Nucl Med 1988; 13: 346
- target lesion of the thyroid, Alter AJ; Vega RJ, Clin Nucl Med 1988; 13: 211
- thallium-201 imaging in the follow-up of differentiated thyroid carcinoma, Brendal AJ; Guyot M; Jeandot R, et al, J Nucl Med 1988; 29: 1515
- therapeutic doses of iodine-131 reveal undiagnosed metastases in thyroid cancer patients with detectable serum thyroglobulin levels, Pacini F; Lippi F; Formica N, et al, J Nucl Med 1987; 28: 1888
- thyroid carcinoma masquerading as a solitary benign hyperfunctioning nodule, Sandler MP; Fellmeth B; Salhany KE, et al, Clin Nucl Med 1988; 13: 410
- thyroid gland: MR imaging, Noma S; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Konishi J; Kasagi K; Iida Y; Itoh H; Torizuka K, Radiology 1987; 164: 495
- thyroid imaging with high-field-strength surface-coil MR, Gefter WB; Spritzer CE; Eisenberg B; LiVolsi VA; Axel L; Velchik M; Alavi A; Schenck J; Kressel HY, Radiology 1987; 164: 483
- thyroid lymphomas stages IE and IIE: comparative results for radiotherapy only, combination chemotherapy only, and multimodality treatment, Vigliotti A; Kong JS; Fuller LM, et al, Int J Radiat Oncol Biol Phys 1986; 12: 1807
- thyroid masses: MR imaging and pathologic correlation, Noma S; Kanaoka M; Minami S; Sagoh T; Yamashita K; Nishimura K; Togashi K; Itoh K; Fujisawa I; Nakano Y; Oomura M; Tasaka Y; Itoh H; Konishi J, Radiology 1988; 168: 759
- thyroid tissue characterization by proton magnetic resonance relaxation time determination, Tennvall J; Olsson M; Möller T, et al, Acta Oncol 1987; 26: 27
- thyrotoxicosis caused by functioning metastatic thyroid carcinoma: rare and elusive cause of hyperthyroidism with low radioactive iodine uptake, Ober KP; Cowan; Sevier RE, et al, Clin Nucl Med 1987; 12: 345
- uncommon presentations of thyroid carcinoma, Bartold KP; Abghari R; Sangi VB, Clin Nucl Med 1986; 11: 786
- unusual case of a false-positive iodine-131 whole body scan in a patient with papillary thyroid cancer, Ceccarelli C; Pacini F; Lippi F, et al, Clin Nucl Med 1988; 13: 192
- unusual presentation of thyroid papillary carcinoma: enlargement of a cervical intervertebral foramen, Roberts L Jr; Drayer BP; Apple JS, et al, Comput Radiol 1986; 10: 45
- use of technetium-99m pertechnetate in postoperative thyroid carcinoma: a comparative study with iodine-131, Khamash NF; Halkar RK; Abdel-Dayem HM, Clin Nucl Med 1988; 13: 17
- US-guided biopsy of neck masses in postoperative management of patients with thyroid cancer, Sutton RT; Reading CC; Charboneau JW; James EM; Grant CS; Hay ID, Radiology 1988; 168: 769

Thyroid, radionuclide studies

- accumulation of iodine-131 and technetium-99m pertechnetate in thyroid carcinoma, Katagiri M; Suzuki S; Sadahiro S, et al, Clin Nucl Med 1988; 13: 276
- analysis of "ablation of thyroid remnants" with I-131 in 511 patients from 1947-1984: experience at University of Michigan, (ab), Beierwaltes WH; Rabbani R; Dmuchowski CF, et al, Radiology 1986; 158: 573
- autonomous functioning cystic thyroid adenoma: unusual occurrence, Williamson MR; Boyd CM; Williamson SL, et al, Clin Nucl Med 1986; 11: 821
- changes in biochemical parameters during complete thyroid hormone deficiency of short duration in athyreotic patients, Weissel M; Kainz H; Hofer K, J Nucl Med 1986; 27: 1528
- clinical evaluation of a thyroxine binding globulin assay in calculating a free thyroxine index in normal, thyroid disease, and sick euthyroid patients, Szpunar WE; Stoffer SS; DiGiulio W, J Nucl Med 1987; 28: 1341
- coexistence of a nonfunctioning thyroid nodule in Plummer's disease demonstrated by thallium-201 imaging, Ichiya Y; Nakashima T; Gunasekera R, et al, Clin Nucl Med 1988; 13: 117
- colon carcinoma metastatic to the thyroid gland, Lester JW Jr; Carter MP; Berens SV, et al, Clin Nucl Med 1986; 11: 634

- continuing impact of thyroid scintigraphy on the diagnosis of thyroid enlargement, Maxon HR; Hertzberg V; Vasavada P; et al, *Clin Nucl Med* 1986; 11: 306
- determination of iodine-131 diagnostic dose for imaging metastatic thyroid cancer, Arnstein NB; Carey JE; Spaulding SA; et al, *J Nucl Med* 1986; 27: 1764
- diagnostic value of free triiodothyronine in serum, Avalos E; De Nayer P; Beckers C, *J Nucl Med* 1986; 27: 1702
- diffuse uptake of technetium-99m pertechnetate in a patient with metastases from thyroid carcinoma, Bouvier J-F; You E; Peau J-Y; et al, *Clin Nucl Med* 1986; 11: 728
- early and delayed thallium 201 imaging: diagnosis of patients with cold thyroid nodules, (ab), Bleichrodt RP; Verney A; Piers DA; et al, *Radiology* 1988; 168: 295
- efficacy of thyroid scintigraphy in the diagnosis of intrathoracic goiter, Park H-M; Tarver RD; Siddiqui AR; et al, *AJR* 1987; 148: 527
- evaluation of radionuclide imaging and echography in the diagnosis of thyroid nodules, Ikekubo K; Higa T; Hirasa M; et al, *Clin Nucl Med* 1986; 11: 145
- fetal adenoma of the thyroid: a common source for false-positive thallium-201/technetium-99m pertechnetate subtraction parathyroid scintigraphy, Kruback AJ, *Clin Nucl Med* 1987; 12: 539
- gastric interposition in esophageal carcinoma as a cause of pseudomass on thyroid imaging, Warner T; Jain SC; Mattar AG, *Clin Nucl Med* 1986; 11: 798
- hepatic visualization on iodine-131 whole-body thyroid cancer scans, Ziessman HA; Bahar H; Fahy FH; et al, *J Nucl Med* 1987; 28: 1408
- hot nodule after fine needle aspiration, Shulkin BL, *Clin Nucl Med* 1988; 13: 131
- hyperthyroidism and the single lobe, Fawcett HD; Winsett MZ; Yudi WM; et al, *Clin Nucl Med* 1987; 12: 57
- imaging of medullary thyroid carcinoma and hyperfunctioning adrenal medulla using iodine-131 metaiodobenzylguanidine, Ansari AN; Siegel ME; DeQuattro V; et al, *J Nucl Med* 1986; 27: 1858
- imaging of metastases of thyroid carcinoma with fluorine-18 fluorodeoxyglucose, Joensuu H; Ahonen A, *J Nucl Med* 1987; 28: 910
- improved prediction of thyroid lobar mass from parameters obtained by routine thyroid scintigraphy, duCret RP; Choi RE; Roe SJ; et al, *Clin Nucl Med* 1987; 12: 436
- iodine-123 SPECT of the thyroid in multinodular goiter, Chen JJS; LaFrance ND; Rippin R; et al, *J Nucl Med* 1988; 29: 110
- iodine-131 MIBG uptake in metastatic medullary carcinoma of the thyroid: a patient treated with somatostatin, Keeling CA; Basso LV, *Clin Nucl Med* 1988; 13: 260
- iodine 131 total body scan—extrathyroidal uptake of radioiodine, Wu S-y; Brown T; Milne N; et al, *Semin Nucl Med* 1986; 16: 82
- long-term follow-up in untreated Plummer's disease (autonomous goiter), Wiener JD, *Clin Nucl Med* 1987; 12: 198
- metastatic calcification in the thyroid gland demonstrated on bone scan in a patient with primary hyperparathyroidism, Amico S; Lucas PG; Diebold MD; et al, *J Nucl Med* 1986; 27: 373
- metastatic tumours detected as cold nodules on the thyroid scan, Vorne M; Järvi K, *Br J Radiol* 1988; 61: 329
- MR imaging of the thyroid: comparison with scintigraphy in the normal and diseased gland, Mountz JM; Glazer GM; Dmochowski C; et al, *JCAT* 1987; 11: 612
- multimodality imaging of the thyroid and parathyroid glands, Sandler MP; Patton JA, *J Nucl Med* 1987; 28: 122
- new radionuclide tracers for the diagnosis and therapy of medullary thyroid carcinoma, Hoefnagel CA; Delprat CC; Zanin D; et al, *Clin Nucl Med* 1988; 13: 159
- pentavalent [^{99m}Tc]DMSA, [¹³¹I]MIBG, and [^{99m}Tc]MDP—an evaluation of three imaging techniques in patients with medullary carcinoma of the thyroid, Clarke SEM; Lazarus CR; Wraight P; et al, *J Nucl Med* 1988; 29: 33
- poor results with technetium-99m (V) DMS and iodine-131 MIBG in the imaging of medullary thyroid carcinoma, Hilditch TE; Connell JMC; Elliott AT; et al, *J Nucl Med* 1986; 27: 1150
- radiation dosimetry from breast milk excretion of radioiodine and pertechnetate, Hedrick WR; Di Simone RN; Keen RL, *J Nucl Med* 1986; 27: 1569
- radioiodine imaging of struma cordis, Rieser GD; Ober KP; Cowan RJ; et al, *Clin Nucl Med* 1988; 13: 421
- recurrent medullary carcinoma of the thyroid demonstrated by thallium-201 scintigraphy, Arnstein NB; Juni JE; Sisson JC; et al, *J Nucl Med* 1986; 27: 1564
- role of technetium-99m pentavalent DMSA in the management of patients with medullary carcinoma of the thyroid, Clarke SEM; Lazarus CR; Mistry R; et al, *Br J Radiol* 1987; 60: 1089
- role of thallium-201 total-body scintigraphy in follow-up of thyroid carcinoma, Hoefnagel CA; Delprat CC; Marcuse HR; et al, *J Nucl Med* 1986; 27: 1854
- scintigraphic hot nodules and thyroid carcinoma, Nagai GR; Pitts WC; Basso L; et al, *Clin Nucl Med* 1987; 12: 123
- scintigraphy and treatment of medullary carcinoma of the thyroid with iodine-131 metaiodobenzylguanidine, Clarke SEM; Lazarus CR; Edwards S; et al, *J Nucl Med* 1987; 28: 1820
- severe thyrotoxicosis caused by an ectopic intrathoracic goiter, Fogelfeld L; Rubinstein U; Bar-On J; et al, *Clin Nucl Med* 1986; 11: 20
- side effects of "rational dose" iodine-131 therapy for metastatic well-differentiated thyroid carcinoma, Van Nostrand D; Neutze J; Atkins F, *J Nucl Med* 1986; 27: 1519
- spurious thyroid cancer metastasis: saliva contamination artifact in high dose iodine-131 metastases survey, Park H-M; Tarver RD; Schauerwecker DS; et al, *J Nucl Med* 1986; 27: 634
- subacute thyroiditis (de Quervain) presenting as a painless "cold" nodule, Bartels PC; Boer RO, *J Nucl Med* 1987; 28: 1488
- target lesion of the thyroid, Alter AJ; Vega RJ, *Clin Nucl Med* 1988; 13: 211
- technetium 99m pertechnetate thyroid scintigraphy: congenital hypothyroid screening, Wells RG; Sey JR; Duck SC, *Pediatr Radiol* 1986; 16: 368
- thallium-201 imaging in the follow-up of differentiated thyroid carcinoma, Brendal AJ; Guyot M; Jeandot R; et al, *J Nucl Med* 1988; 29: 1515
- thallium-201 scintigraphy of the suppressed thyroid: an alternative for iodine-123 scanning after TSH stimulation, Corstens F; Huysmans D; Kloppenborg P, *J Nucl Med* 1988; 29: 1340
- thyroid uptake of gallium in Graves' disease, Allard JC; Lee VW; Franklin P, *Clin Nucl Med* 1988; 13: 663
- two devices for longitudinal emission tomography of the thyroid, van Glessen JW; Viergever MA; van Rijk PP; et al, *J Nucl Med* 1987; 28: 1892
- uncommon presentations of thyroid carcinoma, Bartold KP; Abghari R; Sangi VB, *Clin Nucl Med* 1986; 11: 786
- unusual case of a false-positive iodine-131 whole body scan in a patient with papillary thyroid cancer, Ceccarelli C; Pacini F; Lippi F; et al, *Clin Nucl Med* 1988; 13: 192
- use of technetium-99m pertechnetate in postoperative thyroid carcinoma: a comparative study with iodine-131, Khammash NF; Halkar RK; Abdel-Dayem HM, *Clin Nucl Med* 1988; 13: 17
- visualization of suppressed normal thyroid tissue by thallium-201 in patients with toxic nodular goiter, Iida Y; Kasagi K; Misaki T; et al, *Clin Nucl Med* 1988; 13: 283
- Thyroid, surgery**
sublingual pyramidal lobe: complications of subtotal thyroidectomy for Graves' disease, Sternberg JL, *Clin Nucl Med* 1986; 11: 766
- Thyroid, therapeutic radiology**
comparison of radiosensitivities of human autologous normal and neoplastic thyroid epithelial cells, Miller RC; Kopecky KJ; Hirakawa T; et al, *Br J Radiol* 1986; 59: 127
- effect of reserpine on salivary gland radioiodine uptake in thyroid cancer, Levy HA; Park CH, *Clin Nucl Med* 1987; 12: 303
- iodine-131 treatment of thyroid cancer: absorbed dose calculated from post-therapy scans, Koral KF; Adler RS; Carey JE; et al, *J Nucl Med* 1986; 27: 1207
- lithium as an adjuvant of iodine-131 uptake when treating patients with well-differentiated thyroid carcinoma, Pons F; Carrio I; Estorch M; et al, *Clin Nucl Med* 1987; 12: 644
- long-term hazards of the treatment of thyroid cancer with radioiodine, Edmonds CJ; Smith T, *Br J Radiol* 1986; 59: 45
- measurement of radiation dose to the thyroid using positron emission tomography, Ott RJ; Batty V; Webb S; et al, *Br J Radiol* 1987; 60: 245
- oedema of the neck after ablation of the thyroid with radioactive iodine, Gooden AWG; Kam KC; Fitzpatrick ML; et al, *Br J Radiol* 1986; 59: 583
- papillary and follicular thyroid cancer: impact of treatment in 1578 patients, Simpson WJ; Panzarella T; Carruthers JS; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1063
- preleukemia following large dose radioiodine therapy for metastatic thyroid carcinoma, Yousufi Z; Slavin JD Jr; Heilman RM; et al, *J Nucl Med* 1987; 28: 1348
- Thyroid, US studies**
color-flow Doppler sonography in Graves disease: "thyroid inferno", Ralls PW; Mayekawa DS; Lee KP; et al, *AJR* 1988; 150: 781
- computer analysis of echographic textures in Hashimoto disease of the thyroid, Mailloux G; Bertrand M; Stampfer R; et al, *JCU* 1986; 14: 521
- concomitant thyroid disease in hyperparathyroidism: reasons for unsatisfactory ultrasonographical localization of parathyroid glands, Karstrup S; Hegedus L, *Eur J Radiol* 1986; 6: 149
- determination of the volume of the thyroid gland by a high resolution ultrasonic scanner, Yokoyama N; Nagayama Y; Kakezono F; et al, *J Nucl Med* 1987; 28: 1475
- medullary thyroid carcinoma: role of high-resolution US, Gorman B; Charboneau JW; James EM; Reading CC; Wold LE; Grant CS; Garib H; Hay ID, *Radiology* 1987; 162: 147
- primary malignant lymphoma of the thyroid: sonographic appearance, Farulekar SG; Katzman RA, *JCU* 1986; 14: 60
- sonography in the follow-up of 100 patients with thyroid carcinoma, Simeone JF; Daniels GH; Hall DA; et al, *AJR* 1987; 148: 45
- sonography of Hashimoto's thyroiditis, Hayaishi N; Tamaki N; Konishi J; et al, *JCU* 1986; 14: 123
- thyroid gland with low uptake lesions: evaluation by ultrasound, Schober O; Schwarrock R, *Radiology* 1986; 158: 277
- thyroid gland with low uptake lesions: evaluation by ultrasound: reply, Solbiati L; Volterrani L; Rizzatto G; Bazzocchi M; Busilacchi P; Candiani F; Ferrari F; Giuseppetti G; Mareca G; Mirk P; Rubaltili L; Zappasodi F, *Radiology* 1986; 158: 277
- US-guided biopsy of neck masses in postoperative management of patients with thyroid cancer, Sutton RT; Reading CC; Charboneau JW; James EM; Grant CS; Hay ID, *Radiology* 1988; 168: 769
- Thyroiditis**
low incidence of painless thyroiditis in the Philadelphia area, Schorr AB; Miller JL; Shisael F; et al, *Clin Nucl Med* 1986; 11: 379
- malignant lymphoma in Hashimoto thyroiditis: CT appearance, Ginaldi S, *JCAT* 1986; 10: 1071
- primary thyroid lymphoma: evaluation with CT, Takashima S; Ikezoe J; Morimoto S; Arinawa J; Hamada S; Ikeda H; Masaki N; Kozaka T, *Radiology* 1988; 168: 765
- sonography of Hashimoto's thyroiditis, Hayaishi N; Tamaki N; Konishi J; et al, *JCU* 1986; 14: 123

Thyroiditis

- subacute (de Quervain's) thyroiditis, Ramtola S; Maisey MN, *Br J Radiol* 1988; 61: 515
- subacute thyroiditis (de Quervain) presenting as a painless "cold" nodule, Bartels PC; Boer RO, *J Nucl Med* 1987; 28: 1488

Thyroxine

- performance of solid-state 48 detector gamma counter using solid phase total thyroxine and free thyroxine assays, Drew HM; Chan DW; Fong P, *J Nucl Med* 1986; 27: 1623

Tibia, abnormalities

- tibial and fibular angles in homozygous sickle cell disease, Akamaguna AI; Odita JC; Ugboaga CI, et al, *Eur J Radiol* 1986; 6: 97

Tibia, CT

- distal tibial triplane fractures: diagnosis with CT, Feldman F; Singson RD; Rosenberg ZS; Berdon WE; Amodio J; Abramson SJ, *Radiology* 1987; 164: 429
- longitudinal stress fractures of the tibia: diagnosis with CT, Allen GJ, *Radiology* 1988; 167: 799
- osteoblastoma of the tibia: CT demonstration, Farmlett EJ; Magid D; Fishman EK, *JCAT* 1986; 10: 1068

Tibia, fractures

- conventional radiographic examination in the evaluation of sequelae after tibial plateau fractures, Jensen DB; Bjerg-Nielsen A; Laursen N, *Skeletal Radiol* 1988; 17: 330
- distal tibial triplane fractures: diagnosis with CT, Feldman F; Singson RD; Rosenberg ZS; Berdon WE; Amodio J; Abramson SJ, *Radiology* 1987; 164: 429
- early scintigraphic findings of occult femoral and tibial fractures in infants, Park H-M; Kernek CB; Robb JA, *Clin Nucl Med* 1988; 13: 271
- longitudinal stress fracture of the tibia: case report, Miniaci A; McLaren AC; Haddad RG, *J Canad Assoc Radiol* 1988; 39: 221
- longitudinal stress fractures of the tibia: diagnosis with CT, Allen GJ, *Radiology* 1988; 167: 799
- Second tibial condyle fracture: lateral capsular ligament avulsion, Dietz GW; Wilcox DM; Montgomery JB, *Radiology* 1986; 159: 467
- stress fractures: MR imaging, Lee JK; Yao L, *Radiology* 1988; 169: 217
- stress fractures of the distal tibia and calcaneus subsequent to acute fractures of the tibia and fibula, Zlatkin MB; Bjorkengren A; Sartoris DJ, et al, *AJR* 1987; 149: 329
- trampoline fracture of the proximal tibia in children, Boyer RS; Jaffe RB; Nixon GW, et al, *AJR* 1986; 146: 83

Tibia, neoplasms

- case report 368, Remagen W; Nidecker A; Dolanc B, *Skeletal Radiol* 1986; 15: 330
- case report 430, Unger EC; Gilula LA; Kyriakos M, *Skeletal Radiol* 1987; 16: 416
- case report 432, Xipell JM; Beamish MR; Clark D, *Skeletal Radiol* 1987; 16: 425
- case report 459, Lee JK; Yao L; Phelps CT, et al, *Skeletal Radiol* 1988; 17: 60
- osteoblastoma of the tibia: CT demonstration, Farmlett EJ; Magid D; Fishman EK, *JCAT* 1986; 10: 1068
- unusual form of tibial sarcoidosis, Beasley EW III; Peterman SB; Hertzler GL, *AJR* 1987; 149: 754

Tobacco

- long-term effects of cigarette smoking and moderate alcohol consumption on coronary artery diameter: mechanisms of coronary artery disease independent of atherosclerosis or thrombosis?, (ab), Fried LP; Moore RD; Pearson TA, *Radiology* 1986; 160: 286

Toes

- See Fingers and toes

Toluene

- toluene embryopathy, (ab), Hersh JH; Podruch FE; Rogers C, et al, *Radiology* 1986; 158: 284

Tomography

- See also Computed tomography (CT)
- conventional tomography in perspective—1985, Littleton JT, *Radiographics* 1986; 6: 336

- detection of renal masses: sensitivities and specificities of excretory urography/linear tomography, US, and CT, Warshawer DM; McCarthy SM; Street L; Bookbinder MJ; Glickman MG; Richter J; Hammers L; Taylor C; Rosenfield AT, *Radiology* 1988; 169: 363

- pulmonary nodules: detection of calcification by linear and pluridirectional movement in tomographic study: reply, Chasen MH; McCarthy MJ, *Radiology* 1987; 162: 288

- solitary pulmonary opacities: plain tomography, Huston J III; Muhm JR, *Radiology* 1987; 163: 481

Tomography, radionuclide

- multigated blood-pool tomography: new method for the assessment of left ventricular function, Gill JB; Moore RH; Tamaki N, et al, *J Nucl Med* 1986; 27: 1916
- multiple-section radionuclide tomography of the kidney: clinical evaluation, Williams ED; Parker C; Rankin D, et al, *Br J Radiol* 1986; 59: 975
- validation studies for brain blood flow assessment by radionuclide tomography, Rezaei K; Kirchner PT; Armstrong C, et al, *J Nucl Med* 1988; 29: 348

Tomography, technology

- tomographic levels for intravenous urography: CT-determined guidelines, Rhodes RA; Fried AM; Lorman JG; Kryscio RJ, *Radiology* 1987; 163: 673

Tongue, CT

- computed tomography of the tongue in primary amyloidosis, Larsson SG; Benson L; Westermark P, *JCAT* 1986; 10: 836

Tongue, MR studies

- MR imaging of the oropharynx and tongue: comparison of plain and Gd-DTPA studies, Vogt T; Brünner R; Grevers G, et al, *JCAT* 1988; 12: 427
- tongue and oropharynx: findings on MR imaging, Lufkin RB; Wortham DG; Dietrich RB; Hoover LA; Larsson SG; Kangaroo H; Hanafee WN, *Radiology* 1986; 161: 69

Tongue, neoplasms

- advanced head and neck cancer: response to and toxicity of multimodality therapy, Chang H; Leone LA; Teft M; Nigri PT, *Radiology* 1988; 168: 863
- changing aspects in the treatment of squamous cell carcinoma of the oral tongue, Vermund H; Jacobsen AB; Kaalhus O, et al, *Acta Oncol* 1987; 26: 163
- elective neck irradiation in the treatment of cancer of the oral tongue, Leborgne F; Barlocchi LA; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 1149
- hemangioma of the tongue demonstrating a perfusion blood pool mismatch, Front D; Groshar D; Israel O, et al, *Clin Nucl Med* 1986; 11: 113
- local control of squamous cell carcinoma of the mobile tongue: experience of different modalities, Kondo M; Hashimoto S; Dokiya T, et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 755
- place of brachytherapy in the treatment of carcinoma of the tonsil with lingual extension, Leborgne F; Barlocchi LA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1787
- retrospective study of three treatment techniques for T1-T2 base of tongue lesions: surgery plus postoperative radiation, external radiation plus interstitial implantation and external radiation alone, Housset M; Baillet F; Dessard-Diana B, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 511

- sonography of the tongue and floor of mouth. part II: neoplasms of the tongue, Fruhwald F; Neuhold A; Seidl G, et al, *Eur J Radiol* 1986; 6: 108
- time-dose relationships for local tumor control and complications following irradiation of squamous cell carcinoma of the base of tongue, Gardner KE; Parson JT; Mendenhall WM, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 507

- tongue and tonsil cancer: staging with US, Bruneton JN; Roux P; Caramella E; Manzino JJ; Valliçioni J; Demard F, *Radiology* 1986; 158: 743
- tongue cancer: sonographic assessment of tumor stage, Fruhwald F; Salomonowitz E; Neuhold A, et al, *J Ultrasound Med* 1987; 6: 121

Tongue, therapeutic radiology

- changing aspects in the treatment of squamous cell carcinoma of the oral tongue, Vermund H; Jacobsen AB; Kaalhus O, et al, *Acta Oncol* 1987; 26: 163

- combined external irradiation and interstitial implantation for T1 and T2 epidermoid carcinomas of base of tongue: the Creteil experience (1971-1981), Crook J; Mazeron J-J; Marinello G, et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 105

- limited external beam and interstitial ¹⁹²Ir iridium irradiation in the treatment of carcinoma of the base of the tongue: a ten year experience, Puthawala AA; Syed AMN; Eads DL, et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 839

- local control of squamous cell carcinoma of the mobile tongue: experience of different modalities, Kondo M; Hashimoto S; Dokiya T, et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 755

- post-operative radiotherapy in the management of advanced intra-oral cancers, Robertson AG; McGregor IA; Soutar DS, et al, *Clin Radiol* 1986; 37: 173

- retrospective study of three treatment techniques for T1-T2 base of tongue lesions: surgery plus postoperative radiation, external radiation plus interstitial implantation and external radiation alone, Housset M; Baillet F; Dessard-Diana B, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 511

- salvage irradiation of oropharynx and mobile tongue about 192 Ir iridium brachytherapy in Centre Alexis Vautrin, Langlois D; Hoffstetter S; Malissard L, et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 849

- time-dose relationships for local tumor control and complications following irradiation of squamous cell carcinoma of the base of tongue, Gardner KE; Parson JT; Mendenhall WM, et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 507

Tongue, US studies

- sonography of the tongue and floor of mouth. part I: anatomy, Neuhold A; Fruhwald F; Balogh B, et al, *Eur J Radiol* 1986; 6: 103
- sonography of the tongue and floor of mouth. part II: neoplasms of the tongue, Fruhwald F; Neuhold A; Seidl G, et al, *Eur J Radiol* 1986; 6: 108
- tongue cancer: sonographic assessment of tumor stage, Fruhwald F; Salomonowitz E; Neuhold A, et al, *J Ultrasound Med* 1987; 6: 121

Tonsils

- calcifications of the palatine tonsillar region: CT demonstration, Aspestrand F; Kolbenstvedt A, *Radiology* 1987; 165: 479

- massive hypertrophy of the lingual tonsils: unusual cause of dysphagia, Fitzgerald P; O'Connell D, *Br J Radiol* 1987; 60: 505

- pseudoaneurysm of internal carotid artery secondary to tonsillectomy: combined radiologic and surgical treatment, Hertzian Y; Hirsch M; Tovi F, *Cardiovasc Intervent Radiol* 1987; 10: 147

- vidian artery in childhood tonsillar hypertrophy, Jinkins JR, *AJNR* 1988; 9: 141

Tonsils, neoplasms

- advanced head and neck cancer: response to and toxicity of multimodality therapy, Chang H; Leone LA; Teft M; Nigri PT, *Radiology* 1988; 168: 863

- interstitial radiation therapy for squamous cell carcinoma of the tonsillar region: Creteil experience (1971-1981), Mazeron JJ; Lusini A; Marinello G, et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 895

- place of brachytherapy in the treatment of carcinoma of the tonsil with lingual extension, Leborgne F; Barlocchi LA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1787

- radiation therapy of squamous carcinoma of the tonsil: analysis of prognostic factors and of treatment failures, Vallis MF; Cleeland J; Bradley PJ, et al, *Br J Radiol* 1986; 59: 251

- staging of carcinoma of the palatine tonsils by computed tomography, Aspestrand F; Kolbenstvedt A; Boysen M, *JCAT* 1988; 12: 434

- tongue and tonsil cancer: staging with US, Bruneton JN; Roux P; Caramella E; Manzano JJ; Valliçon J; Demard F, *Radiology* 1986; 158: 743
- unsuspected non-Hodgkin's lymphoma of the tonsils and adenoids in children, (ab), Ridgway D; Wolff LJ; Neerhout RC; et al, *Radiology* 1987; 165: 296
- Tonsils, therapeutic radiology**
- place of brachytherapy in the treatment of carcinoma of the tonsil with lingual extension, Leborgne JH; Leborgne F; Barlocchi LA; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1787
- radiation therapy of squamous carcinoma of the tonsil: analysis of prognostic factors and of treatment failures, Vallis MP; Cleeland J; Bradley PJ; et al, *Br J Radiol* 1986; 59: 251
- Total-body irradiation**
- alteration in hematopoietic stem cell seeding and proliferation by both high and low dose rate irradiation of bone marrow stromal cells *in vitro*, Greenberger JS; Fitzgerald TJ; Klassen V; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 85
- modification of radiation-induced damage to bone marrow stem cells by dose rate, dose fractionation, and prior exposure to cytoxin as judged by the survival of CFU, application to bone marrow transplantation (BMT), Evans RG; Wheatley CL; Nielsen JR, *Int J Radiat Oncol Biol Phys* 1988; 14: 491
- practical approach to uniform total body photon irradiation, Engler MJ, *Int J Radiat Oncol Biol Phys* 1986; 12: 2033
- single dose or fractionated total body irradiation and autologous marrow transplantation in dogs: effects of exposure rate, fraction size, and fractionation interval on acute and delayed toxicity, Deeg HJ; Storb R; Longton G; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 647
- venocclusive disease of the liver after allogeneic bone marrow transplantation in man, Ganem G; Girardin M-F S-M; Kuentz M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 879
- Toxocariasis**
- computed tomography of *Toxocara canis* endophthalmitis, Templeton PA; Rao KCVG, *CT* 1987; 11: 99
- detection of *Toxocara* by computed tomography, Dupas B; Barrier J; Barre P, *Br J Radiol* 1986; 59: 518
- Toxoplasmosis**
- case of the month: an opportunity not to be missed, Belli AM; Elliott C; Heron CW, *Br J Radiol* 1988; 61: 171
- central nervous system disease in acquired immunodeficiency syndrome: prospective correlation using CT, MR imaging, and pathologic studies, Post MJD; Sheldon JJ; Hensley GT; Soila KP; Tobias JA; Chan JC; Quencer RM; Moskowitz LB, *Radiology* 1986; 158: 141
- gallium-67 imaging of unsuspected cerebral toxoplasmosis in AIDS, Gilbertson V; Oates E, *Clin Nucl Med* 1988; 13: 679
- radiologist looks at AIDS: imaging evaluation based on symptom complexes, Federle MP, *Radiology* 1988; 166: 553
- Trachea**
- dimensions of the growing trachea related to age and gender, Griscom NT; Wohl MEB, *AJR* 1986; 146: 233
- hyoid bone elevation: sign of tracheal transection, Fisher MS, *Radiology* 1986; 158: 564
- hyoid bone elevation: sign of tracheal transection: reply, Resnick D; Polansky AD, *Radiology* 1986; 158: 564
- Trachea, abnormalities**
- acquired tracheomegaly in very preterm neonates, (ab), Bhutani VK; Ritchie WG; Shaffer TH, *Radiology* 1986; 161: 864
- "communicating" bronchopulmonary foregut malformations, Leithiser RE Jr; Capitanio MA; Macpherson RI; et al, *AJR* 1986; 146: 227
- CT features of tracheobronchomegaly, Dunne MG; Reiner B, *JCAT* 1988; 12: 388
- invasive pulmonary aspergillosis: radiologic evidence of tracheal involvement, Vail CM; Chiles C, *Radiology* 1987; 165: 745
- MRI of tracheobronchomegaly, Rindsberg S; Friedman AC; Fiel SB; et al, *J Canad Assoc Radiol* 1987; 38: 126
- radiologic and pathologic abnormalities of the trachea in older patients with cystic fibrosis, Griscom NT; Vawter CF; Stigol LC, *AJR* 1987; 148: 691
- tracheobronchomegaly (Mounier-Kuhn syndrome): CT diagnosis, Shin MS; Jackson RM; Ho K-J, *AJR* 1988; 150: 777
- Trachea, compression**
- invasive pulmonary aspergillosis: radiologic evidence of tracheal involvement, Vail CM; Chiles C, *Radiology* 1987; 165: 745
- right-pneumectomy syndrome: radiologic findings and CT correlation, Shepard JO; Grillo HC; McLoud TC; Dedrick CG; Spizarny DL, *Radiology* 1986; 161: 661
- upper airway obstruction in infants and children: evaluation with ultrafast CT, Brasch RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, *Radiology* 1987; 165: 459
- Trachea, CT**
- cine CT demonstration of nonfixed upper airway obstruction, Ell SR; Jolles H; Galvin JR, *AJR* 1986; 146: 669
- computed tomography evaluation of tracheoesophageal fistula, Vaid YN; Shin MS, *CT* 1986; 10: 281
- computed tomography of diffuse tracheal stenosis in Wegener granulomatosis, Stein MG; Gamsu G; Webb WR; et al, *JCAT* 1986; 10: 868
- congenital tracheal stenosis: role of CT and high kV films, Hernandez RJ; Tucker GF, *Pediatr Radiol* 1987; 17: 192
- CT features of tracheobronchomegaly, Dunne MG; Reiner B, *JCAT* 1988; 12: 388
- CT of adenoid cystic carcinoma of the trachea, Spizarny DL; Shepard JO; McLoud TC; et al, *AJR* 1986; 146: 1129
- invasive pulmonary aspergillosis: radiologic evidence of tracheal involvement, Vail CM; Chiles C, *Radiology* 1987; 165: 745
- right-pneumectomy syndrome: radiologic findings and CT correlation, Shepard JO; Grillo HC; McLoud TC; Dedrick CG; Spizarny DL, *Radiology* 1986; 161: 661
- upper airway obstruction in infants and children: evaluation with ultrafast CT, Brasch RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, *Radiology* 1987; 165: 459
- Trachea, diseases**
- right-pneumectomy syndrome: radiologic findings and CT correlation, Shepard JO; Grillo HC; McLoud TC; Dedrick CG; Spizarny DL, *Radiology* 1986; 161: 661
- tracheobronchial tree: expandable metallic stents used in experimental and clinical applications, work in progress, Wallace MJ; Charnsangavej C; Ogawa K; Carrasco CH; Wright KC; McKenna R; McMurtrey M; Gianturco C, *Radiology* 1986; 158: 309
- upper airway obstruction in infants and children: evaluation with ultrafast CT, Brasch RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, *Radiology* 1987; 165: 459
- Trachea, injuries**
- early radiographic signs of tracheal rupture, Rollins RJ; Tocino I, *AJR* 1987; 148: 695
- retrocardiac pneumomediastinum in association with tracheal and esophageal perforations, Amodio JB; Berdon WE; Abramson SJ; et al, *Pediatr Radiol* 1986; 16: 380
- rupture of the tracheobronchial tree, (ab), Roxburgh JC, *Radiology* 1988; 167: 291
- Trachea, interventional procedure**
- carcinoma recurrence in the tracheal stoma: treatment with intracavitary radiation by modification of tracheostomy tube, Janaki LM; Gardner JE; Medlin VL; Gates JR, *Radiology* 1986; 159: 275
- endotracheal tubes in neonates: sonographic positioning, Slovis TL; Poland RL, *Radiology* 1986; 160: 262
- Montgomery tracheal cannula: radiological assessment, (ab), Simerman LP; Nino-Murcia G; Nino-Murcia M; et al, *Radiology* 1986; 158: 857
- reinforced endotracheal tube placement: radiographic misdiagnosis, Gorbach MS; Ravin CE, *Radiology* 1987; 162: 579
- tracheobronchial stenosis in infants: successful balloon dilation therapy, Brown SB; Hedlund GL; Glasier CM; Williams KD; Greenwood LH; Gilliland JD, *Radiology* 1987; 164: 475
- tracheobronchial tree: expandable metallic stents used in experimental and clinical applications, work in progress, Wallace MJ; Charnsangavej C; Ogawa K; Carrasco CH; Wright KC; McKenna R; McMurtrey M; Gianturco C, *Radiology* 1986; 158: 309
- upper airway and tracheal obstruction in infants and children, Strife JL, *Radiol Clin North Am* 1988; 26: 309
- upper airway obstruction in infants and children: evaluation with ultrafast CT, Brasch RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, *Radiology* 1987; 165: 459
- Trachea, surgery**
- assessment of mucociliary clearance in patients with tracheobronchoplasty using radioaerosol, Kosuda S; Kubo A; Sanmiya T; et al, *J Nucl Med* 1986; 27: 1397
- Trachea, US studies**
- ultrasound confirmation of endotracheal tube placement, Raphael DT; Conrad FU III, *JCU* 1987; 15: 459
- Transillumination**
- See Breast, transillumination
- tracheobronchial tree: expandable metallic stents used in experimental and clinical applications, work in progress, Wallace MJ; Charnsangavej C; Ogawa K; Carrasco CH; Wright KC; McKenna R; McMurtrey M; Gianturco C, *Radiology* 1986; 158: 309
- ultrasound confirmation of endotracheal tube placement, Raphael DT; Conrad FU III, *JCU* 1987; 15: 459
- Trachea, MR studies**
- MRI in the pre-operative assessment of tracheal cylindroma: case report, Laisny JP; Rebibo G; Iba Zizen MT; et al, *Eur J Radiol* 1987; 7: 281
- MR imaging in infants with airway obstruction: preliminary observations, Fletcher BD; Dearborn DG; Mulopulos GP, *Radiology* 1986; 160: 245
- MRI of tracheobronchomegaly, Rindsberg S; Friedman AC; Fiel SB; et al, *J Canad Assoc Radiol* 1987; 38: 126
- Trachea, neoplasms**
- carcinoma recurrence in the tracheal stoma: treatment with intracavitary radiation by modification of tracheostomy tube, Janaki LM; Gardner JE; Medlin VL; Gates JR, *Radiology* 1986; 159: 275
- CT of adenoid cystic carcinoma of the trachea, Spizarny DL; Shepard JO; McLoud TC; et al, *AJR* 1986; 146: 1129
- resectional management of airway invasion by thyroid carcinoma, (ab), Grillo HC; Zannini P, *Radiology* 1987; 163: 290
- schwannoma of the trachea, Ikezoe J; Sone S; Higashihara T; et al, *Eur J Radiol* 1986; 6: 65
- Trachea, radiography**
- CT digital radiography: alternative technique for airway evaluation in physically disabled patients, Mandell GA; Harcke HT; Padman R; et al, *Pediatr Radiol* 1987; 17: 505
- tracheal parallax in the assessment of mediastinal shift, Don C, *J Canad Assoc Radiol* 1987; 38: 87
- Trachea, stenosis or obstruction**
- cine CT demonstration of nonfixed upper airway obstruction, Ell SR; Jolles H; Galvin JR, *AJR* 1986; 146: 669
- computed tomography of diffuse tracheal stenosis in Wegener granulomatosis, Stein MG; Gamsu G; Webb WR; et al, *JCAT* 1986; 10: 868
- congenital tracheal stenosis: role of CT and high kV films, Hernandez RJ; Tucker GF, *Pediatr Radiol* 1987; 17: 192
- extrathoracic airway in acromegaly, Morewood DJW; Belchetz PE; Evans CC; et al, *Clin Radiol* 1986; 37: 243
- intratracheal thymus: a rare cause of airway obstruction, Martin KW; McAlister WH, *AJR* 1987; 149: 1217
- MR imaging in infants with airway obstruction: preliminary observations, Fletcher BD; Dearborn DG; Mulopulos GP, *Radiology* 1986; 160: 245
- tracheobronchial stenosis in infants: successful balloon dilation therapy, Brown SB; Hedlund GL; Glasier CM; Williams KD; Greenwood LH; Gilliland JD, *Radiology* 1987; 164: 475
- tracheobronchial tree: expandable metallic stents used in experimental and clinical applications, work in progress, Wallace MJ; Charnsangavej C; Ogawa K; Carrasco CH; Wright KC; McKenna R; McMurtrey M; Gianturco C, *Radiology* 1986; 158: 309
- upper airway and tracheal obstruction in infants and children, Strife JL, *Radiol Clin North Am* 1988; 26: 309
- upper airway obstruction in infants and children: evaluation with ultrafast CT, Brasch RC; Gould RG; Gooding CA; Ringertz HG; Lipton MJ, *Radiology* 1987; 165: 459

Transluminal angioplasty

Transluminal angioplasty

See Arteries, transluminal angioplasty; Veins, transluminal angioplasty

Transposition of great vessels

- accuracy of fetal echocardiography, Benacer A; Pober BR; Sanders SP, Radiology 1987; 165: 847
- balloon and blade atrial septostomy facilitated by two-dimensional echocardiography, (ab), Lin AE; Sessa TG; Williams RG, Radiology 1986; 161: 285
- calcified thrombus of the inferior vena cava in transposition of the great vessels, Velasquez G; D'Souza VJ; Glass TA; et al, Cardiovasc Intervent Radiol 1986; 9: 19
- congenitally corrected transposition in the adult: detection by radionuclide angiocardiology, Davies ML; Pryor RJ; Bowles CR, Radiology 1986; 160: 854
- congenitally corrected transposition in the adult: detection by radionuclide angiocardiology: reply, Guit GL; Kroon HM; Chin JG; Pauwels EK; van Voorthuisen AE, Radiology 1986; 160: 854
- congenitally corrected transposition of the great arteries associated with pre-excitation syndrome, Nakajima K; Bunko H; Tonami N; et al, Clin Nucl Med 1986; 11: 564
- CT in congenitally-corrected transposition of the great vessels, Takasugi JE; Godwin JD; Chen JTT, Comput Radiol 1987; 11: 215
- levotransposition of the aorta: identification of segmental cardiac anatomy using MR imaging, Guit GL; Bluemm R; Rohmer J; Wenink AC; Chin JG; Doornbos J; van Voorthuisen AE, Radiology 1986; 161: 673
- postoperative evaluation of complex congenital heart disease by magnetic resonance imaging, Soulen RL; Donner RM; Capitanio M, Radiographics 1987; 7: 975
- radionuclide angiography in congenitally corrected transposition of the great vessels in an adult, Gal R; Port SC, J Nucl Med 1987; 28: 116
- surgical repair of anatomically corrected malposition of the great arteries, (ab), Rittenhouse EA; Tenckhoff L; Kawabori I; et al, Radiology 1987; 162: 886

Trauma

- acute cervical spine trauma: evaluation with 1.5-T MR imaging, Mirvis SE; Geisler FH; Jelinek JJ; Joslyn JN; Gellad F, Radiology 1988; 166: 807
- apparent arterial occlusion due to pneumatic antishock garment: pitfall in trauma angiography (case report), Morse SS; Strauss EB; Sumpio BE, AJR 1986; 147: 391
- arterial trauma: diagnostic and therapeutic angiography, Sclafani SJA; Cooper R; Shafian GW; Goldstein AS; Glanz S; Gordon DH, Radiology 1986; 161: 165
- blast injuries, Adler OB; Rosenberger A, Acta Radiol 1988; 29: 1
- case of the month: did he fall or was he pushed?, Hamilton-Wood C, Br J Radiol 1987; 60: 199
- emergency trauma angiography: accuracy, safety, and pitfalls, Rose SC; Moore EE, AJR 1987; 148: 1243
- hepatic and splenic injury in children: role of CT in the decision for laparotomy, Brick SH; Taylor GA; Potter BM; Eichelberger MR, Radiology 1987; 165: 643
- hypovolemic shock in children, Kaufman RA; Stalker HP, Radiology 1988; 166: 579
- hypovolemic shock in children: abdominal CT manifestations, Taylor GA; Fallat ME; Eichelberger MR, Radiology 1987; 164: 479
- posttraumatic cardiac dysfunction: assessment with radionuclide ventriculography, Rosenbaum RC; Johnston GS, Radiology 1986; 160: 91
- posttraumatic impotence: angiographic evaluation, Lurie AL; Bookstein JJ; Kessler WO, Radiology 1988; 166: 115
- president's address: caring for the major trauma victim: role for radiology, McCort JJ, Radiology 1987; 163: 1
- stab wounds to the extremities: indications for angiography, Hartling RP; McGahan JP; Blaisdell FW; Lindfors KK, Radiology 1987; 162: 465

- stab wounds to the extremities: indications for angiography, Quinn MF; Lundell CJ, Radiology 1987; 165: 291
 - stab wounds to the extremities: indications for angiography: reply, Hartling RP; McGahan JP; Lindfors KK; Blaisdell FW, Radiology 1987; 165: 291
 - use of contrast media in patients with hypovolemic shock, Schiffer MS, Radiology 1988; 166: 579
 - use of contrast media in patients with hypovolemic shock: reply, Taylor GA; Eichelberger MR, Radiology 1988; 166: 579
 - use of CT in acute trauma victims, Young JWR; Burgess AR, Radiology 1988; 166: 903
 - use of CT in acute trauma victims: reply, McCort JJ, Radiology 1988; 166: 903
 - utilization of angiography in trauma, Chakravarty M, Radiol Clin North Am 1986; 24: 383
- ### Treatment planning
- accelerated irradiation of cervical node metastases, Nguyen TD; Froissart D; Panis X, Radiology 1987; 163: 815
 - algorithm for planning stereotactic brain implants, Renner WD; Pugh NO; Ross DB; et al, Int J Radiat Oncol Biol Phys 1987; 13: 631
 - applicator for optimum cobalt-60 primary breast treatments, Kutcher GJ; Hunt M; McCormick B, Int J Radiat Oncol Biol Phys 1988; 14: 511
 - arbitrary oblique image sections for 3-D radiation treatment planning, Mohan R; Brewster LJ; Barest G; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1247
 - calculation and application of point spread functions for treatment planning with high energy photon beams, Ahnesjo A; Andreo P; Brahme A, Acta Oncol 1987; 26: 49
 - causes and consequences of inhomogeneous dose distributions in radiation therapy, Goitein M, Int J Radiat Oncol Biol Phys 1986; 12: 701
 - colour visualization as an aid to the comparison of treatment plans for prostatic carcinoma, Hahn P; Shalev S; Therrien P, Acta Oncol 1987; 26: 313
 - comparison of commercial treatment planning systems when calculating dose under shielding blocks, Tatcher M, Int J Radiat Oncol Biol Phys 1986; 12: 1899
 - comparison of two radiological path length algorithms, Kal'it J; Kennedy DR, Int J Radiat Oncol Biol Phys 1987; 13: 1957
 - comprehensive three-dimensional radiation treatment planning system, Mohan R; Barest G; Brewster LJ; et al, Int J Radiat Oncol Biol Phys 1988; 15: 481
 - computed tomography in radiotherapy treatment planning, Tremewan RN, Australas Radiol 1988; 32: 50
 - computer-aided treatment planning technique for universal wedges, Cheng CW; Chin LM, Int J Radiat Oncol Biol Phys 1987; 13: 1927
 - correction of spatial distortion in MR imaging: a prerequisite for accurate stereotaxy, Schad L; Lott S; Schmitt F; et al, JCAT 1987; 11: 499
 - direct multiplanar computed tomography in planning radiotherapy for malignant tumours of the nasopharynx, Silvestre ME; Medina E; Andrea M; et al, Clin Radiol 1986; 37: 15
 - display of organs and isodoses as shaded 3-D objects for 3-D therapy planning, Bauer-Kirpes B; Schlegel W; Boesecke R; et al, Int J Radiat Oncol Biol Phys 1987; 13: 135
 - dosimetric principles, Cunningham JR, Radiographics 1988; 8: 785
 - dosimetry and treatment planning for ⁹⁰Y-labeled antiferitin in hepatoma, Lechner PK; Yang N-C; Frenkel TL; et al, Int J Radiat Oncol Biol Phys 1988; 14: 1033
 - effects of a sonographic technique for determining chest wall thickness in treatment planning for breast carcinoma, Cheung AYC; Chang KS, Int J Radiat Oncol Biol Phys 1988; 15: 223
 - electron arc therapy: beam data requirements and treatment planning, Lam KS; Lam WC; O'Neill MJ; et al, Clin Radiol 1987; 38: 379
 - from manual to 3-D computerized treatment planning for 125-I stereotactic brain implants, Ten Haken RK; Diaz RF; McShan DL; et al, Int J Radiat Oncol Biol Phys 1988; 15: 467

- graphical method for the analysis of decisions in clinical oncology, Munro AJ, Clin Radiol 1986; 37: 263
- head and neck tumors: dosimetric considerations of mixed-energy photon beam therapy, Prows J; Janjan NA; Gillin MT; Wilson JF, Radiology 1988; 169: 831
- inadequacy of conventional computerized tomography scans for treatment planning of tangential breast (chest wall) fields, Kogelnik HD; Brandis M-G; Rahim H; et al, Int J Radiat Oncol Biol Phys 1988; 14: 721
- influence of lung density corrections on treatment planning for primary breast cancer, Fraass BA; Lichter AS; McShan DL; et al, Int J Radiat Oncol Biol Phys 1988; 14: 179
- integrated stereotactic imaging with CT, MR imaging, and digital subtraction angiography, Peters TM; Clark JA; Olivier A; Marchand EP; Mawko G; Dieumegarde M; Muresan LV; Ethier R, Radiology 1986; 161: 821
- integration of magnetic resonance imaging into radiation therapy treatment planning: I. technical considerations, Fraass BA; McShan DL; Diaz RF; et al, Int J Radiat Oncol Biol Phys 1987; 13: 1897
- is correction for lung density in radiotherapy treatment planning necessary?, McKenna WG; Yeakel K; Klink A; et al, Int J Radiat Oncol Biol Phys 1987; 13: 273
- matchline dosimetry of a three field technique for breast treatment using cobalt or 6 MV x rays, Hunt MA; Kutcher GJ; Martel MK, Int J Radiat Oncol Biol Phys 1987; 13: 1099
- MRI assisted treatment planning for radiation therapy of the head and neck, Toonkel LM; Soila K; Gilbert D; et al, Magn Res Imag 1988; 6: 315
- objective evaluation of alternative treatment plans: I. images of regret, Shalev S; Bartel L; Therrien P; et al, Int J Radiat Oncol Biol Phys 1988; 15: 763
- optimization of beam weights under dose-volume restrictions, Langer M; Leong J, Int J Radiat Oncol Biol Phys 1987; 13: 1255
- pathways and pitfalls in treatment planning with external beams: the role of the clinical physicist, Jayaraman S, Radiographics 1988; 8: 1147
- patient immobilization during CT for treatment planning of head and neck cancer, Sewchand W; Aygun C; Nicholson G; Salazar OM, Radiology 1986; 158: 251
- prescription, precision, and decision in treatment planning, Dutreix A, Int J Radiat Oncol Biol Phys 1987; 13: 1291
- problem in rotation therapy with x rays, Cormack AM, Int J Radiat Oncol Biol Phys 1987; 13: 623
- prospective comparison of ultrasound and computed tomography in the evaluation of the size of the uterus: can these methods be used for intracavitary treatment planning of carcinoma of the uterus?, Girinski T; Leclerc J; Pejovic MH; et al, Int J Radiat Oncol Biol Phys 1987; 13: 789
- radiation therapy of intrathoracic para-aortic lymph node metastases: three-dimensional treatment planning, Németh G; Schlegel W, Acta Oncol 1987; 26: 203
- radiation treatment planning: the physician's role, Hendrickson FR, Radiographics 1988; 8: 987
- radiotherapy planning: direct tumor location on simulation and port films using CT, part I. principles, Haynor DR; Boring AW; Griffin BA; Jacky JP; Kalet JJ; Shuman WP, Radiology 1986; 158: 537
- radiotherapy treatment planning using lymphoscintigraphy, Jones D; Hanelin L; Christopherson D; et al, Int J Radiat Oncol Biol Phys 1986; 12: 1707
- spreadsheet program for brachytherapy planning, Sherouse GW; Naves JL; Varia MA; et al, Int J Radiat Oncol Biol Phys 1987; 13: 639
- technique for image density matching in radiotherapy planning radiographs, Samarasekera MG; Hudson FR, Br J Radiol 1988; 61: 697
- three dimensional image correlation of CT, MR, and PET studies in radiotherapy treatment planning of brain tumors, Schad LR; Boesecke R; Schlegel W; et al, JCAT 1987; 11: 948

- three-dimensional internal mammary lymphoscintigraphy: implications for radiation therapy treatment planning for breast carcinoma. Recht A; Siddon RL; Kaplan WD; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 477
- treatment planning study for carcinoma of the esophagus: helium ions versus photons. Zink SR; Lyman JT; Castro JR; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 993
- treatment planning with external beams: introduction and historical overview. Rozenfeld M. *Radiographics* 1988; 8: 557
- use of magnetic resonance imaging in the planning of iodine 125 therapy for melanoma of the choroid. Conard F; Sealy R; Hill J; et al. *Br J Radiol* 1988; 61: 79
- utility of MR in planning the radiation therapy of oligodendroglioma. Shuman WP; Griffin BR; Haynor DR; et al. *AJNR* 1987; 8: 93
- Tricuspid valve**
- accuracy of fetal echocardiography. Benacerraf BR; Pober BR; Sanders SP. *Radiology* 1987; 165: 847
- cine-computed tomography of Ebstein anomaly. Garrett JS; Schiller NB; Botvinick EH; et al. *JCAT* 1986; 10: 664
- MR imaging of Ebstein anomaly: results in four cases. Link KM; Herrera MA; D'Souza VJ; et al. *AJR* 1988; 150: 363
- plain chest radiograph in uncomplicated Ebstein's disease. Mu-Sheng T; Partridge J; Radford D. *Clin Radiol* 1986; 37: 551
- Tricuspid valve, abnormalities**
- fetal echocardiography: prenatal diagnosis of tricuspid atresia (type Ic) during the second trimester of pregnancy. DeVore GR; Siassi B; Platt LD. *JCU* 1987; 15: 317
- Tricuspid valve, insufficiency**
- prenatal ultrasonographic diagnosis of cardiomegaly due to tricuspid incompetence. Brown J; Gunn TR; Mora JD; et al. *Pediatr Radiol* 1986; 16: 440
- Tricuspid valve, regurgitation**
- case of the season. Yeung SC. *Semin Roentgenol* 1986; 21: 5
- Doppler detection of tricuspid regurgitation following Kawasaki disease. Nakano H; Ueda K; Saito A; et al. *Pediatr Radiol* 1986; 16: 123
- Tuberculosis**
- abdominal lymphadenopathy in benign diseases: CT detection. Deutch SJ; Sandler MA; Alpern MB. *Radiology* 1987; 163: 335
- Addison's disease due to tuberculosis in a 13-year-old girl. Jagannath A; Brill PW; Winchester P. *Pediatr Radiol* 1986; 16: 522
- bone scintigraphy in tuberculous sacroiliitis. Salomon CG; Ali A; Fordham EW. *Clin Nucl Med* 1986; 11: 407
- case report 396. Hall FM; Harris AK. *Skeletal Radiol* 1986; 15: 589
- computed tomography findings in tuberculous mediastinitis. Mendelson DS; Cohen BA; Krellenstein DJ; et al. *CT* 1987; 11: 123
- false-normal bone imaging in spinal tuberculosis. Pui MH; Chin-Sang HB; Rubenstein JD. *Clin Nucl Med* 1986; 11: 245
- mediastinal tuberculous lymphadenitis: CT manifestations. Im J-G; Song KS; Kang HS; Park JH; Yeon KM; Han MC; Kim C-W. *Radiology* 1987; 164: 115
- miliary tuberculosis associated with adrenal enlargement: CT appearance. Hauser H; Gurret JP. *JCAT* 1986; 10: 254
- MRI of tuberculous spondylitis. de Roos A; van Persijn van Meerten Els L; Bloem JL; et al. *AJR* 1986; 147: 79
- perspectives in adolescent tuberculosis: three decades of experience. (ab). Nemir RL. *Radiology* 1987; 162: 884
- progression of mediastinal tuberculosis and superior vena caval obstruction demonstrated by gallium-67 citrate and radiocolloid liver scintigraphy. Shih W-J; DeLand FH; Domstad PA; et al. *Clin Nucl Med* 1986; 11: 126
- sonographic features of tuberculous omental cakes in peritoneal tuberculosis. Wu C-C; Chow K-S; Lu T-N; et al. *JCU* 1988; 16: 195
- tuberculosis in the Aboriginal: radiological perspective. Bateson EM. *Australas Radiol* 1986; 30: 63
- tuberculous peritonitis in children. Nagi B; Duggal R; Gupta R; et al. *Pediatr Radiol* 1987; 17: 282
- ultrasonic appearance of tuberculous peritonitis. Ozkan K; Gurses N; Gurses N. *JCU* 1987; 15: 350
- unilateral gallium-67 uptake in primary tuberculosis of the major salivary glands. Bihl H; Maier H. *Clin Nucl Med* 1987; 12: 650
- Tuberculosis, adrenal**
- benign adrenal lesions mimicking malignancy on MR imaging: report of two cases. Baker ME; Spritzer CE; Blinder R; Herfkens RJ; Leight GS; Dunnick NR. *Radiology* 1987; 163: 669
- CT findings in Addison's disease caused by tuberculosis. Sawczuk IS; Reitelman C; Libby C; et al. *Urol Radiol* 1986; 8: 44
- fine-needle aspiration biopsy of adrenal tuberculosis. Yee ACN; Copinath N; Ho C-S; et al. *J Canad Assoc Radiol* 1986; 37: 287
- Tuberculosis, central nervous system**
- brain abscess: an atypical CT appearance of CNS tuberculosis. Yang PJ; Reger KM; Seeger JF; et al. *AJNR* 1987; 8: 919
- central nervous system tuberculosis with the acquired immunodeficiency syndrome and its related complex. (ab). Bisburg E; Sunderam G; Reichman LB; et al. *Radiology* 1987; 163: 294
- computed tomography of cerebral tuberculoma. Draouat S; Adenabi B; Ghanem M; et al. *JCAT* 1987; 11: 594
- dynamic CT of tuberculous meningeal reactions. Jinkins JR. *Neuroradiol* 1987; 29: 343
- focal tuberculous cerebritis. Jinkins JR. *AJNR* 1988; 9: 121
- MRI in cranial tuberculosis. Just M; Higer HP; Betting O; et al. *Eur J Radiol* 1987; 7: 276
- MR imaging of intracranial tuberculomas. Gupta RK; Jena A; Sharma A; et al. *JCAT* 1988; 12: 280
- Tuberculosis, gastrointestinal**
- aphthoid ulcers in colonic tuberculosis. (ab). Downey DB; Nakiely RA. *Radiology* 1986; 158: 568
- appendix mass in AIDS? Lee SH; Hall-Craggs MA; Lees WR. *Br J Radiol* 1987; 60: 1030
- duodenal tuberculosis. Gupta SK; Jain AK; Gupta JP; et al. *Clin Radiol* 1988; 39: 159
- gastric tuberculosis: manifestation of acquired immunodeficiency syndrome. Brody JM; Miller DK; Zeman RK; Klappenbach RS; Jaffe MH; Clark LR; Benjamin SB; Choyke PL. *Radiology* 1986; 159: 347
- hepatitis tuberculosis presenting as tumoral disease on ultrasonography. Blangy S; Cornud F; Sibert A; et al. *Gastrointest Radiol* 1988; 13: 52
- patterns of calcifications and cholangiographic findings in hepatobiliary tuberculosis. Maglinte DDI; Alvarez SZ; Ng AC; et al. *Gastrointest Radiol* 1988; 13: 331
- periportal tuberculous adenitis: CT features. Mathieu D; Ladeb MF; Guigui B; Rousseau M; Vassile N. *Radiology* 1986; 161: 713
- tuberculosis affecting the oesophagus. McNamara M; Williams CE; Brown TS; et al. *Clin Radiol* 1987; 38: 419
- tuberculous pseudotumor of the liver. Dhakne RD; Moore WH; Long SE; et al. *Clin Nucl Med* 1987; 12: 816
- Tuberculosis, genitourinary**
- CT and sonography of advanced urinary tract tuberculosis. Premkumar A; Lattimer J; Newhouse JH. *AJR* 1987; 148: 65
- seminal vesicle tuberculosis: CT appearance. Premkumar A; Newhouse JH. *JCAT* 1988; 12: 676
- Tuberculosis, intracranial**
- case of the season. Arrington JA. *Semin Roentgenol* 1987; 22: 7
- CT of intracranial tuberculomas with specific reference to the "target sign". van Dyk A. *Neuroradiol* 1988; 30: 329
- dynamic computed tomography of cerebral parenchymal tuberculoma. Jinkins JR; Al-Kawi MZ; Bashir R. *Neuroradiol* 1987; 29: 523
- intracranial tuberculosis due to *Mycobacterium bovis*. Guest SS; Sivrit CJ; Meisler WJ; et al. *Comput Radiol* 1987; 11: 151
- intraventricular tuberculoma: report of four cases in children. Berthier M; Sierra J; Leiguada R. *Neuroradiol* 1987; 29: 163
- persistent cortical enhancement in tuberculous meningitis. Suss RA; Resta S; Diehl JT. *AJNR* 1987; 8: 716
- Tuberculosis, pulmonary**
- appearances on computed tomography following thoracoplasty for pulmonary tuberculosis. Moore NR; Phillips MS; Shneerson JM; et al. *Br J Radiol* 1988; 61: 573
- centrilobular lesions of the lung: demonstration by high-resolution CT and pathologic correlation. Murata K; Itoh H; Todo G; Kanaoka M; Noma S; Itoh T; Furuta M; Asamoto H; Torizuka K. *Radiology* 1986; 161: 641
- chylothorax associated with tuberculous spondylitis. Menzies R; Hildvegi R. *J Canad Assoc Radiol* 1988; 39: 238
- computed tomography of oleothorax. Mullin DM; Rodan BA; Bean WJ; et al. *CT* 1986; 10: 197
- control of hemoptysis: systemic angiography and anastomoses of the internal mammary artery. Jardin M; Remy J. *Radiology* 1988; 168: 377
- CT findings in transdiaphragmatic empyema necessitatis due to tuberculosis. Peterson MW; Austin JHM; Yip CK; et al. *JCAT* 1987; 11: 704
- CT findings in tuberculous mediastinitis. Barnett SM. *JCAT* 1986; 10: 165
- expanding spectrum of pulmonary disease caused by nontuberculous mycobacteria. Rubinstein I. *Radiology* 1986; 159: 815
- late sequelae of pulmonary tuberculosis treated by thoracoplasty. (ab). Phillips MS; Kinnear WJM; Shneerson JM. *Radiology* 1988; 166: 586
- primary pulmonary tuberculosis in infancy: resurgent disease in the urban United States. Amodio JB; Abramson SJ; Berdon WE. *Pediatr Radiol* 1986; 16: 185
- radiological patterns of pulmonary tuberculosis in the paediatric age group. Lamont AC; Cremin BJ; Pelletter RM. *Pediatr Radiol* 1986; 16: 2
- radiologist looks at AIDS: imaging evaluation based on symptom complexes. Federle MP. *Radiology* 1988; 166: 553
- rapid diagnosis of sputum negative miliary tuberculosis using the flexible fiberoptic bronchoscope. (ab). Wilcox PA; Fotgieter PD; Bateman ED. *Radiology* 1987; 163: 838
- relationship between tuberculous scar and carcinomas of the lung. Richardson S; Hirsch A; Ruffie P; et al. *Eur J Radiol* 1987; 7: 163
- update: radiographic features of pulmonary tuberculosis. Woodring JH; Vandiviere HM; Fried AM; et al. *AJR* 1986; 146: 497
- value of gallium-67 scanning in pulmonary tuberculosis. (ab). Walsh TJ; Bekerman C; Chausow A; et al. *Radiology* 1986; 158: 857
- Tuberculosis, renal**
- radiological imaging of urogenital tuberculosis in children with emphasis on ultrasound. Cremin BJ. *Pediatr Radiol* 1987; 17: 34
- renal tuberculosis. Becker JA. *Urol Radiol* 1988; 10: 25
- Tuberculosis, skeletal**
- case of intracortical tuberculosis of the femur. MacGee W; Lagier R. *Eur J Radiol* 1988; 8: 96
- case report 390. Abdelwahab IF; Present DA; Klein MJ. *Skeletal Radiol* 1986; 15: 652
- case report 473. Abdelwahab IF; Present DA; Gould E; et al. *Skeletal Radiol* 1988; 17: 199
- computed tomography of musculoskeletal tuberculosis. Coppola J; Müller NL; Connell DG. *J Canad Assoc Radiol* 1987; 38: 199

infection versus tumor in the spine: criteria for distinction with CT, Van Lom KJ; Kellerhouse LE; Pathria MN; Moreland SI; Brown JJ; Zlatkin M; Sartoris DJ; Chevrot A; Resnik CS; Resnick D, *Radiology* 1988; 166: 851

tuberculosis of the calvaria mimicking eosinophilic granuloma, Mohan V; Gupta RP; Arora MM, *Australas Radiol* 1988; 32: 147

tuberculosis of the patella, Gimenez MH; Beltran JVT; Segui MIF; et al, *Pediatr Radiol* 1987; 17: 328

tuberculous pathological fracture of the femur in a 15-year-old boy, Jenyo MS; Komolafe F, *Pediatr Radiol* 1986; 16: 260

tumorlike tuberculous granulomas of bone, Abdelwahab IF; Present DA; Zwass A; et al, *AJR* 1987; 149: 1207

Tuberculosis, therapy

computed tomography of oleothorax, Mullin DM; Rodan BA; Bean WJ; et al, *CT* 1986; 10: 197

Tuberous sclerosis

See Sclerosis, tuberous

Tumoral calcinosis

See Calcium

Turner syndrome

See Chromosomes, abnormalities

Twins

in vitro fertilization and embryo transfer complicated by simultaneous ectopic and intrauterine twin gestation, Simpson EL; Coleman BG; Sondheimer SJ; et al, *J Ultrasound Med Biol* 1986; 5: 49

mammographic patterns in twin pairs discordant for breast cancer, Kaprio J; Alanko A; Kivisaari L; et al, *Br J Radiol* 1987; 60: 459

membrane thickness in ultrasound prediction of chorionicity of twin gestations, Townsend RP; Simpson GF; Filly RA, *J Ultrasound Med Biol* 1988; 7: 327

role of ultrasound in the management of twin pregnancies, (ab), Pridmore BR, *Radiology* 1986; 158: 862

significance of membrane thickness in the sonographic evaluation of twin gestations, Hertzberg BS; Kurtz AB; Choi HY; et al, *AJR* 1987; 148: 151

sonographic detection of monoamniotic twins, Blane CE; DiPietro MA; Johnson MZ; et al, *JCU* 1987; 15: 394

twin and singleton growth patterns compared using US, Grumbach K; Coleman BG; Arger PH; Mintz MC; Gabbe SV; Mennuti MT, *Radiology* 1986; 158: 237

Twins, abnormalities

acardiac anomaly: review of the subject with case report and emphasis on practical sonography, Gibson JY; D'Cruz CA; Patel RB; et al, *JCU* 1986; 14: 541

acardiac twin: report of Doppler sonography, Pretorius DH; Leopold GR; Moore TR; et al, *J Ultrasound Med Biol* 1988; 7: 413

craniopagus twins: neuroradiological findings (CT, angiography, MRI), Schindler E; Hajek P, *Neuroradiol* 1988; 30: 11

diprosopus: diagnosis in utero, Okazaki JR; Wilson JL; Holmes SM; et al, *AJR* 1987; 149: 147

Doppler ultrasound of twin transfusion syndrome, Pretorius DH; Manchester D; Barkin S; et al, *J Ultrasound Med Biol* 1988; 7: 117

early second-trimester sonographic diagnosis of thoracopagus twins, Blum E; Pearlman M; Graham D; et al, *JCU* 1986; 14: 207

multicystic dysplastic kidney and contralateral renal aplasia in a twin: diagnosis by prenatal sonography, Campbell AF, *AJR* 1988; 151: 145

prenatal ultrasound diagnosis of thoracopagus conjoined twins, Kalchbrenner M; Weiner S; Templeton J; et al, *JCU* 1987; 15: 59

twin gestations: monitoring of complications and anomalies with US, Coleman BG; Grumbach K; Arger PH; Mintz MC; Arenson RL; Mennuti M; Gabbe SG, *Radiology* 1987; 165: 449

ultrasound case of the day: annual meeting, 1986, Cole-Beuglet CM; Aufrichtig D; Cohen AJ; Harrison L; Miller EI; Crade M, *Radiographics* 1987; 7: 389

Typhlitis

See Intestines, inflammation

U

Ulcer

See Peptic ulcer

Ulna

case report 355, Retrum RK; Wepfer JF; Olen DW; et al, *Skeletal Radiol* 1986; 15: 185

case report 438, Mitchell ML; Ackerman LV; Tsutsumi A, *Skeletal Radiol* 1987; 16: 498

case report 472, Visscher DW; Alexander RW; Dempsey TR, *Skeletal Radiol* 1988; 17: 285

case report 494, Yao L; Lee JK, *Skeletal Radiol* 1988; 17: 378

dysplasia epiphysealis hemimelica of the ulna, Hoeftel JC; Capron F; Jung JF; et al, *Br J Radiol* 1987; 60: 288

Paget disease with contraction of long bones, Lander PH; Hadjipavlou AG, *Radiology* 1986; 159: 471

Ultrasound (US)

See also under names of organs and regions, such as Heart, US studies

American Institute of Ultrasound policy and statement on safety, Ziskin MC, *Ultrasound Med Biol* 1986; 12: 711

analysis of referrals for primary diagnostic abdominal ultrasound to a general X-ray department, Colquhoun JR; Saywell WR; Dewbury KC, *Br J Radiol* 1988; 61: 297

applications of ultrasound in dentistry, Walmsley AD, *Ultrasound Med Biol* 1988; 14: 7

Australia, Buttery B, *JCU* 1986; 14: 652

correlative study of properties of water in biological systems using ultrasound and magnetic resonance, Sehgal CM; Greenleaf JF, *Magn Res Med* 1986; 3: 976

critical parameters in pulsed ultrasound exposures, Barnett SB, *Ultrasound Med Biol* 1986; 12: 697

design and implementation of a computer-based ultrasound data system, Ott WJ, *J Ultrasound Med Biol* 1986; 5: 25

determination of *in situ* exposure, O'Brien WD, *Ultrasound Med Biol* 1986; 12: 695

dosage specifications for ultrasound equipment, Frizzell LA, *Ultrasound Med Biol* 1986; 12: 707

early amniocentesis for prenatal cytogenetic evaluation, Benacerraf BR; Greene MF; Saltzman DH; Barsa VA; Penso CA; Nadel AS; Heffner LJ; Stryker JM; Sandstrom MM; Frigoletto FD Jr, *Radiology* 1988; 169: 709

effect of temperature on ultrasonic images in infant cadavers, Lamont AC; Cremin BJ, *Br J Radiol* 1986; 59: 271

evolution of the ultrasonic examination, (ab), Birnholz JC, *Radiology* 1986; 158: 287

first steps in the development of the Doppler flowmeter, Kaneko Z, *Ultrasound Med Biol* 1986; 12: 187

interobserver variability: a source of error in obstetric ultrasound, Zador IE; Sokol RJ; Chik L, *J Ultrasound Med Biol* 1988; 7: 245

Japanese policy and status of standardisation, Ide M, *Ultrasound Med Biol* 1986; 12: 705

measurement and characterisation of biomedical ultrasonic fields: summary of the London Meeting on Ultrasound Standards, 5 July 1985, Preston RC, *Ultrasound Med Biol* 1986; 12: 706

new ultrasound annotation and report card system, Gibson RN; Hicks IP, *JCU* 1987; 15: 71

overview of the AIUM/NEMA standard and the draft IEC standard for ultrasound exposure measurements, Preston RC, *Ultrasound Med Biol* 1986; 12: 680

policy statement of the Australian Society for Ultrasound in Medicine, Garrett WJ, *Ultrasound Med Biol* 1986; 12: 714

policy statement of the European Federation of Ultrasound Societies for Ultrasound in Medicine and Biology, Bang J, *Ultrasound Med Biol* 1986; 12: 715

policy statement of the Japanese Society for Ultrasound in Medicine, Maeda K, *Ultrasound Med Biol* 1986; 12: 716

policy statement of the Royal College of Obstetricians and Gynaecologists (RCOG) of the United Kingdom, *Ultrasound Med Biol* 1986; 12: 716

policy statement of the World Health Organisation, Lehtinen E, *Ultrasound Med Biol* 1986; 12: 718

practical aspects of ultrasound dosimetry: hydrophone performance, Lewin PA, *Ultrasound Med Biol* 1986; 12: 699

problems in establishing criteria for medical ultrasound, Nyborg WL, *Ultrasound Med Biol* 1986; 12: 679

simple tailored microcomputer system for the obstetrical ultrasound laboratory, Carrasco CR; Leymaster CE, *J Ultrasound Med Biol* 1986; 5: 21

teaching file program for use in an ultrasound department, Garra BS; Kurtz D; Shawker TH; et al, *J Ultrasound Med Biol* 1986; 5: 313

ultrasound in India, Joshi MS, *JCU* 1987; 15: 561

use of ultrasound in developing countries, Kurjak A; Breyer B, *Ultrasound Med Biol* 1986; 12: 611

Ultrasound (US), artifact

artifacts in ultrasound imaging, Kremkau FW; Taylor KJW, *J Ultrasound Med Biol* 1986; 5: 227

effect of temperature on ultrasonic images in infant cadavers, Lamont AC; Cremin BJ, *Br J Radiol* 1986; 59: 271

pseudoepidural reverberation artifact: common ultrasound artifact in fetal cranium, Stanley JI; Harrell B; Horger EO III, *JCU* 1986; 14: 251

retrolenticular afterglow: echo enhancement artifact, Ziskin MC; LaFollette PS Jr; Radecki PD; et al, *J Ultrasound Med Biol* 1986; 5: 385

ultrasound case of the day: annual meeting, 1985, Sandler MA; Beute GH; Madrazo BL; Hudak SF; Maywood CM; Walter K; Haggard AH, *Radiographics* 1987; 7: 1025

V-shaped artifact of the gallbladder wall, Lafortune M; Cariepy G; Dumont A; et al, *AJR* 1986; 147: 505

ultrasound case of the day: annual meeting, 1985, Sandler MA; Beute GH; Madrazo BL; Hudak SF; Maywood CM; Walter K; Haggard AH, *Radiographics* 1987; 7: 1025

V-shaped artifact of the gallbladder wall, Lafortune M; Cariepy G; Dumont A; et al, *AJR* 1986; 147: 505

Ultrasound (US), biological effects

acoustic cavitation and the safety of diagnostic ultrasound, Carstensen EL, *Ultrasound Med Biol* 1987; 13: 597

acoustic emission as a measure of exposure of suspended cells *in vitro*, Edmonds PD; Ross P, *Ultrasound Med Biol* 1986; 12: 297

analytical modelling of ultrasonically induced tissue heating, Lizzi FL; Ostromogilsky M, *Ultrasound Med Biol* 1987; 13: 607

biological effects of acoustic cavitation, Carstensen EL, *Ultrasound Med Biol* 1986; 12: 703

biologic effects of ultrasound on liver cells of rat embryos, Cardinale A; Lagalla R; de Maria M; et al, *Acta Radiol* 1987; 28: 221

cell membrane damage by ultrasound at different cell concentrations, Ellwart JW; Brettel H; Kober LO, *Ultrasound Med Biol* 1988; 14: 43

demonstration of enhanced temperature elevation due to nonlinear propagation of focussed ultrasound in dog's thigh *in vivo*, Hynynen K, *Ultrasound Med Biol* 1987; 13: 85

detection of temperature induced structural changes in T4B and T7 bacteriophages by means of high precision acoustic velocity measurements, Shilnikov GV; Khusainov AA; Sarvazyan AP; et al, *Ultrasound Med Biol* 1986; 12: 511

developmental effects of ultrasound exposure in mammals, Sikov MR, *Ultrasound Med Biol* 1986; 12: 686

effect of pulsed ultrasound on the survival of drosophila, Pay TL; Barrick MK, *Ultrasound Med Biol* 1987; 13: 93

effect of solvation on the ultrasonic absorption of bovine serum albumin solutions, Evans JA; Barnes C; Lewis TJ, *Ultrasound Med Biol* 1988; 14: 299

effect of therapeutic level ultrasound on visual evoked potentials in the hypoxic cat, Forester GV; Peterson EA; Roy OZ, *Ultrasound Med Biol* 1987; 13: 259

effect of ultrasound on development: part 1: introduction and studies in inframammalian species, Sikov MR, *J Ultrasound Med Biol* 1986; 5: 577

- effect of ultrasound on development. part 2: studies in mammalian species and overview. Sikov MR. *J Ultrasound Med Biol* 1986; 3: 651
- effects of MHz ultrasound on electrical pain threshold perception in humans. Williams AR; McHale J; Bowditch M; et al. *Ultrasound Med Biol* 1987; 13: 249
- epidemiological study: safety of diagnostic ultrasound during pregnancy on fetus and child development. Mukubo M. *Ultrasound Med Biol* 1986; 12: 691
- epidemiology of human exposure to ultrasound: a critical review. Ziaskin MC; Petitti DB. *Ultrasound Med Biol* 1988; 14: 91
- fetal response to sound stimulation: preliminary report exploring use of sound stimulation in routine obstetrical ultrasound examinations. Crade M; Lovett S. *J Ultrasound Med Biol* 1988; 7: 499
- free radical production in amniotic fluid and blood plasma by medical ultrasound. Crum LA; Walton AJ; Mortimer A; et al. *J Ultrasound Med Biol* 1987; 6: 643
- haemolysis in vivo by therapeutic intensities of ultrasound. Williams AR; Miller DL; Gross DR. *Ultrasound Med Biol* 1986; 12: 501
- human epidemiological studies. Lyons EA. *Ultrasound Med Biol* 1986; 12: 689
- increased sister chromatid exchanges in Chinese hamster ovary cells exposed to high intensity pulsed ultrasound. Barnett SB; Miller MW; Cox C; et al. *Ultrasound Med Biol* 1988; 14: 397
- influence of dissolved gases on chemical and biological effects of ultrasound. Kondo T; Kuwabara M; Sato F; et al. *Ultrasound Med Biol* 1986; 12: 151
- influence of hematocrit on hemolysis by ultrasonically activated gas-filled micropores. Miller DL. *Ultrasound Med Biol* 1988; 14: 293
- in vitro biological effects of ultrasound. Williams AR. *Ultrasound Med Biol* 1986; 12: 685
- lack of discernible effect of diagnostic ultrasound on the chromosomes of cord blood lymphocytes exposed in vitro. Henderson LM; Aghamohammadi SZ; Ariett CF; et al. *Br J Radiol* 1986; 59: 499
- lack of effect of pulsed ultrasound on ABO antigens of human erythrocytes in vitro. Miller DL; Lamore BJ; Boraker DK. *Ultrasound Med Biol* 1986; 12: 209
- potential hazards of the dental ultrasonic descaler. Walmsley AD. *Ultrasound Med Biol* 1988; 14: 15
- protein synthesis by neuroblastoma cells is enhanced by exposure to burst-mode ultrasound cavitation. Edmonds PD; Ross P. *Ultrasound Med Biol* 1988; 14: 219
- prudent approach to Doppler US. Taylor KJW. *Radiology* 1987; 165: 283
- prudent use of diagnostic ultrasound. Wells PNT. *Ultrasound Med Biol* 1987; 13: 391
- review of the ultrasonic bioeffects of microsonation, gas-body activation, and related cavitation-like phenomena. Miller DL. *Ultrasound Med Biol* 1987; 13: 443
- sister chromatid exchange frequency in human lymphocytes after long duration exposure to pulsed ultrasound. Barnett SB; Barnstable SM; Kossoff G. *J Ultrasound Med Biol* 1987; 6: 637
- sister chromatid exchanges in laboratory cultured cells after repeated exposures to pulsed ultrasound. Barnett SB. *J Ultrasound Med Biol* 1987; 6: 377
- studies on safety of diagnostic ultrasound. Maeda K. *Ultrasound Med Biol* 1986; 12: 693
- susceptibility of the human fetus to physical damage. Bang J. *Ultrasound Med Biol* 1986; 12: 683
- thermal and heart rate response to ultrasonic exposure in the second and third trimester dog fetus. Gross DR; Williams AR; Wagner-Mann C; et al. *J Ultrasound Med Biol* 1986; 5: 507
- ultrasonically activated gas-filled micropores release hemoglobin and antigens from human erythrocytes in vitro. Miller DL; Lamore BJ. *J Ultrasound Med Biol* 1986; 5: 231
- ultrasonically induced gas bubble production in agar based gels: part I. experimental investigation. Daniels S; Blondel D; Crum LA; et al. *Ultrasound Med Biol* 1987; 13: 527
- ultrasonically induced gas bubble production in agar based gels: part II. theoretical analysis. Crum LA; Daniels S; ter Haar GR; et al. *Ultrasound Med Biol* 1987; 13: 541
- ultrasonically induced intravascular streaming and thrombus formation adjacent to a micropipette. Frizzell LA; Miller DL; Nyborg WL. *Ultrasound Med Biol* 1986; 12: 217
- ultrasonically induced morphological changes in the mammalian neonatal spinal cord. Borrelli MJ; Frizzell LA; Dunn F. *Ultrasound Med Biol* 1986; 12: 285
- ultrasonic nonlinearity parameter of biological media and its dependence on tissue structure. Dunn F. *Ultrasound Med Biol* 1986; 12: 701
- ultrasound and spermatogenesis in the rat. Urry RL; Dougherty KA; Child SA; et al. *Ultrasound Med Biol* 1988; 14: 213
- ultrasound-induced light transmission change within platelet suspensions as an indirect measure of platelet morphology: preliminary correlation with stirring-induced light transmission change. Trenchard PM. *Ultrasound Med Biol* 1987; 13: 197
- ultrasound-induced orientation of discoid platelets and simultaneous changes in light transmission: preliminary characterisation of the phenomenon. Trenchard PM. *Ultrasound Med Biol* 1987; 13: 183
- Ultrasound (US), catheter identification**
- central venous silastic catheters in newborns: localization by sonography and radiology. Diemer A. *Pediatr Radiol* 1987; 17: 15
- ultrasonic localisation of a non-opaque intravascular catheter fragment. Moreno AJ; Fredericks P; Pan P; et al. *Br J Radiol* 1987; 60: 91
- Ultrasound (US), comparative studies**
- automated and hand-held breast US: effect on patient management. Bassett LW; Kimm-Smith C; Sutherland LK; Gold RH; Sarti D; King W III. *Radiology* 1987; 165: 103
- complicated first-trimester pregnancies: evaluation with endovaginal US versus transabdominal technique. Pennell RG; Baltarowich OH; Kurtz AB; Vilaro MM; Rifkin MD; Needleman L; Mitchell DG; Mervis SA; Goldberg BB. *Radiology* 1987; 165: 79
- composite three-dimensional echocardiographic technique for left ventricular volume estimation in children: comparison with angiography and established echographic methods. Fazzalari NL; Goldblatt E; Adams APS. *JCU* 1986; 14: 663
- congenitally corrected transposition in the adult: detection by radionuclide angiography. Daves ML; Pryor RJ; Bowles CR. *Radiology* 1986; 160: 654
- congenitally corrected transposition in the adult: detection by radionuclide angiography: reply. Guit GL; Kroon HM; Chin JG; Pauwels EK; van Voorthuizen AE. *Radiology* 1986; 160: 854
- cross-sectional imaging method: system to compare ultrasound, computed tomography, and magnetic resonance with histologic findings. Kimmey MB; Silverstein FE; Haggitt RC; et al. *Invest Radiol* 1987; 22: 227
- early prostate cancer: diagnostic costs of screening transrectal US and digital rectal examination. Torp-Pedersen ST; Littrup PJ; Lee F; Mettlin C. *Radiology* 1988; 169: 351
- evaluating and comparing imaging techniques: a review and classification of study designs. Freedman LS. *Br J Radiol* 1987; 60: 1071
- extrapancreatic spread of acute pancreatitis: new observations with real-time US. Jeffrey RB Jr; Laing FC; Wing VW. *Radiology* 1986; 159: 707
- feasibility of high-resolution, intravascular ultrasonic imaging catheters. Meyer CR; Chiang EH; Fechner KP; Fitting DW; Williams DM; Buda AJ. *Radiology* 1988; 168: 113
- localization of pancreatic insulinoma: comparison of pre- and intraoperative US with CT and angiography. Galiber AK; Reading CC; Charboneau JW; Sheedy PF II; James EM; Gorman B; Grant CS; van Heerden JA; Telander RL. *Radiology* 1988; 166: 405
- localization of parathyroid adenomas in patients who have undergone surgery. part I. noninvasive imaging methods. Miller DL; Doppman JL; Shawker TH; Krudy AG; Norton JA; Vucich JJ; Morris KA; Marx SJ; Spiegel AM; Aurbach GD. *Radiology* 1987; 162: 133
- localization of parathyroid adenomas in patients who have undergone surgery. Winzelberg GG; Hydovitz JD. *Radiology* 1987; 163: 828
- pelvic masses in pregnant patients: MR and US imaging. Weinreb JC; Brown CE; Lowe TW; Cohen JM; Erdman WA. *Radiology* 1986; 159: 717
- posttransplant renal rejection: comparison of quantitative scintigraphy, US, and MR imaging. Hricak H; Terrier F; Marotti M; Engelstad BL; Filly RA; Vincenti F; Duca RM; Bretan PN Jr; Higgins CB; Feduska N. *Radiology* 1987; 162: 685
- prostate cancer: comparison of transrectal US and digital rectal examination for screening. Lee F; Littrup PJ; Torp-Pedersen ST; Mettlin C; McHugh TA; Gray JM; Kumasaka GH; McLeary RD. *Radiology* 1988; 168: 389
- recurrence of ovarian and uterine neoplasms: diagnosis with transrectal US. Squillac E; Salzano MC; Grandinetti ML; Auffermann W; Marsella A; Maresca G; Colagrande C. *Radiology* 1988; 169: 355
- renal allograft rejection: evaluation by Doppler US and MR imaging. Steinberg HV; Nelson RC; Murphy FB; Cheezar J; Baumgartner BR; Delaney VB; Wheelchell JD; Bernardino ME. *Radiology* 1987; 162: 337
- renal calculi: sensitivity for detection with US. Middleton WD; Dodds WJ; Lawson TL; Foley WD. *Radiology* 1988; 167: 239
- ultrasonography versus excretory urography: value in urological disease. Aslaksen A; Gholini JH. *Eur J Radiol* 1988; 8: 179
- uterine leiomyomas in the infertile patient: preoperative localization with MR imaging versus US and hysterosalpingography. Dudiak CM; Turner DA; Patel SK; Archie JT; Silver B; Norciss M. *Radiology* 1988; 167: 627
- Ultrasound (US), contrast media**
- automated production and analysis of echo contrast agents. Keller MW; Feinstein SB; Briller RA; et al. *J Ultrasound Med Biol* 1986; 5: 493
- hepatic tumors: US contrast enhancement with CO₂ microbubbles. Matsuda Y; Yabuuchi I. *Radiology* 1986; 161: 701
- left coronary arterial blood flow: noninvasive detection by Doppler US. Gramiak R; Holen J; Moss AJ; Gutierrez OH; Picone AL; Roe SA. *Radiology* 1986; 159: 657
- new technique for myocardial contrast echocardiography in the experimental canine model using a special cannula for selective left main coronary artery cannulation. Spotnitz WD; Oliner JD; Gascho JA; et al. *JCU* 1986; 14: 742
- particulate contrast agent with potential for ultrasound imaging of liver. Parker KJ; Tuthill TA; Lerner RM; et al. *Ultrasound Med Biol* 1987; 13: 555
- perfluorochemicals as US contrast agents for tumor imaging and hepatosplenography: preliminary clinical results. Mattrey RF; Strich G; Shelton RE; Gosink BB; Leopold GR; Lee T; Forsythe J. *Radiology* 1987; 163: 339
- production of microbubbles for use as echo contrast agents. Butler BD. *JCU* 1986; 14: 408
- Ultrasound (US), CT**
- lesion detectability in ultrasonic computed tomography of symptomatic breast patients. Carson PL; Scherzinger AL; Meyer CR; et al. *Invest Radiol* 1988; 23: 421
- tissue characterization of the testes using ultrasonic CT: work in progress. Bland PH; DiPietro MA; Chenevert TL; Hutchinson RJ; Carson PL. *Radiology* 1986; 159: 101
- Ultrasound (US), Doppler studies**
- absolute flow measurements using pulsed Doppler US: work in progress. Walter JP; McCahan JP; Lantz BMT. *Radiology* 1986; 159: 545

Ultrasound (US), Doppler studies

- acute allograft rejection in liver transplant recipients: lack of correlation with loss of hepatic artery diastolic flow, Longley DG; Skolnick ML; Sheahan DG, *Radiology* 1988; 169: 417
- acute renal infarction: diagnosis by Doppler ultrasound, Martin KW; McAllister WH; Shackelford GD, *Pediatr Radiol* 1988; 18: 373
- age dependence of the flow velocity in the basal cerebral arteries—a transcranial Doppler ultrasound study, Grolimund P; Seiler RW, *Ultrasound Med Biol* 1988; 14: 191
- antenatal measurement of fetal umbilical venous flow by pulsed Doppler and B-mode ultrasonography, Chen H-Y; Lu C-C; Cheng Y-T; et al, *J Ultrasound Med* 1986; 5: 319
- breast neoplasms: duplex sonographic imaging as an adjunct in diagnosis, Schoenberger SC; Sutherland CM; Robinson AE, *Radiology* 1988; 168: 665
- cardiovascular applications of multi-gate pulsed Doppler systems, Reneman RS; van Merode T; Hick P; et al, *Ultrasound Med Biol* 1986; 12: 357
- carotid duplex sonography: a multicenter recommendation for standardized imaging and Doppler criteria, Bluth EI; Stavros AT; Marich KW; Wetzner SM; Aufrehtig D; Baker JD, *Radiographics* 1988; 8: 487
- characteristics of blood flow velocity in the hypertensive canine pulmonary artery, Frantz EG; Henry GW; Lucas CL; et al, *Ultrasound Med Biol* 1986; 12: 379
- clinical application of an ultrasonic duplex system in the quantitative measurement of portal blood flow, Moriyasu F; Ban N; Nishida O; et al, *JCU* 1986; 14: 579
- clinical experience with intraoperative Doppler color flow imaging in hepatectomy, Sukigara M; Koga K; Komazaki T; et al, *JCU* 1987; 15: 9
- clinical use of objective quantification of flow disturbance in carotid artery disease: correlation between spectral broadening index and arteriography, Sillesen H; Bitsch K; Steenberg HJ; et al, *Ultrasound Med Biol* 1987; 13: 519
- clinical utility of Doppler ultrasound in cardiac diseases, Nouri S; Labovitz AJ, *JCU* 1987; 15: 599
- color Doppler analysis of penile arteries in impotence, Krut RH; Giesbers AAGM, *Radiology* 1988; 169: 283
- color-flow Doppler imaging of carotid artery abnormalities, Middleton WD; Foley WD; Lawson TL, *AJR* 1988; 150: 419
- color-flow Doppler sonography in Graves disease: "thyroid inferno", Ralls FW; Mayekawa DS; Lee KP; et al, *AJR* 1988; 150: 781
- colour flow mapping of oesophagogastric varices and vessels in and around the liver with trans-oesophageal real-time two-dimensional Doppler ultrasound, Sukigara M; Komazaki T; Yamazaki T; et al, *Clin Radiol* 1987; 38: 487
- comparison of CW Doppler ultrasound spectra with the spectra derived from a flow visualization model, Poots JK; Johnston KW; Cobbold RSC; et al, *Ultrasound Med Biol* 1986; 12: 125
- comparison of Doppler ultrasound waveform indices in the umbilical artery—I. indices derived from the maximum velocity waveform, Thompson RS; Trudinger BJ; Cook CM, *Ultrasound Med Biol* 1986; 12: 835
- comparison of Doppler ultrasound waveform indices in the umbilical artery—II. indices derived from the mean velocity and first moment waveforms, Thompson RS; Trudinger BJ; Cook CM, *Ultrasound Med Biol* 1986; 12: 845
- comparison of four digital maximum frequency estimators for Doppler ultrasound, Mo LYL; Yun LCM; Cobbold RSC, *Ultrasound Med Biol* 1988; 14: 355
- comparison of pulsed Doppler sonography and angiography in patients with portal hypertension, Nelson RC; Lovett KE; Chezmar JL; et al, *AJR* 1987; 149: 77
- continuous measurement of pulmonary blood flow using a retractable pulsed Doppler probe, Lucas CL; Henry GW; Keagy BA; et al, *J Ultrasound Med* 1987; 6: 181
- conventional and color Doppler in the assessment of fetal and maternal circulation, Kurjak A; Alfirević Z; Miljan M, *Ultrasound Med Biol* 1988; 14: 337
- correlation of Doppler US tumor signals with neovascular morphologic features, Taylor KJW; Ramos I; Carter D; Morse SS; Snower D; Fortune K, *Radiology* 1988; 166: 57
- deep venous thrombosis in pregnancy: noninvasive diagnosis, Polak JF; O'Leary DH, *Radiology* 1988; 166: 377
- detection of intracranial carotid artery disease by continuous-wave Doppler sonography, Biedert S; Winter R; Betz H; et al, *Neuroradiol* 1986; 28: 296
- detection of neovascular signals in a 3 day Walker 256 rat carcinoma by CW Doppler ultrasound, Ramos I; Fernandez LA; Morse SS; et al, *Ultrasound Med Biol* 1988; 14: 123
- diastolic flow characteristics of severely impaired left ventricles: pulsed Doppler ultrasound study, Delemarre BJ; Bot H; Pearlman AS; et al, *JCU* 1987; 15: 115
- distinction between femoral artery pseudoaneurysms and other causes of groin masses: value of duplex Doppler sonography, Helvie MA; Rubin JM; Silver TM; et al, *AJR* 1988; 150: 1177
- Doppler assessment of aortic stenosis: Bernoulli revisited, Rijsterborgh H; Roelands J, *Ultrasound Med Biol* 1987; 13: 241
- Doppler blood flow velocity waveforms in alpha-thalassemia hydrops fetalis, Woo JSK; Liang ST; Lo RLS; et al, *J Ultrasound Med* 1987; 6: 679
- Doppler color flow imaging, Merritt CRB, *JCU* 1987; 15: 591
- Doppler echocardiographic approach to the blood flow of the left anterior descending coronary artery, Miyatake K; Yamagishi M; Izumi S; et al, *JCU* 1988; 16: 471
- Doppler evaluation of the renal transplant, Needleman L; Kurtz AB, *JCU* 1987; 15: 661
- Doppler evaluation of umbilical venous and arterial blood flow in the second and third trimesters of normal pregnancy (ab), Gerson AG; Wallace DM; Stiller RJ; et al, *Radiology* 1988; 166: 911
- Doppler examination of the periorbital arteries adds valuable hemodynamic information in carotid artery disease, Sillesen H; Schroeder T; Steenberg HJ; et al, *Ultrasound Med Biol* 1987; 13: 177
- Doppler flowmeter for use in theatre, Beard JD; Evans JM; Skidmore R; et al, *Ultrasound Med Biol* 1986; 12: 883
- Doppler signal quantitation in renal allografts: comparison in normal and rejecting transplants, with pathologic correlation, Rigby CM; Burns PN; Welton GG; Chen B; Bia M; Taylor KJW, *Radiology* 1987; 162: 39
- Doppler signal: where does it come from and what does it mean?, Nelson TR; Pretorius DH, *AJR* 1988; 151: 439
- Doppler ultrasound assessment of the femoro-popliteal segment: comparison of different methods using ROC curve analysis, Baker AR; Prytherch DR; Evans DH; et al, *Ultrasound Med Biol* 1986; 12: 473
- Doppler ultrasound in aortic stenosis: in vitro studies of pressure gradient determination, Holen J; Waag RC; Gramiak R, *Ultrasound Med Biol* 1987; 13: 321
- Doppler ultrasound in the diagnosis of intestinal ischemia, Hartnell GG; Gibson RN, *Gastrointest Radiol* 1987; 12: 285
- Doppler ultrasound in the fetus: a review of current applications, De Vore GR; Brar HS; Platt LD, *JCU* 1987; 15: 687
- Doppler ultrasound in the neonate, Drayton MR; Skidmore R, *Ultrasound Med Biol* 1986; 12: 761
- Doppler ultrasound, laser Doppler, and perfusion fluorimetry in bowel ischemia, (ab), Lynch TG; Hobson RW II; Kerr JC; et al, *Radiology* 1988; 168: 883
- Doppler ultrasound of twin transfusion syndrome, Pretorius DH; Manchester D; Barkin S; et al, *J Ultrasound Med* 1988; 7: 117
- duplex Doppler evaluation of puerperal ovarian vein thrombosis, Baran GW; Frisch KM, *AJR* 1987; 149: 321
- duplex Doppler examination in portal hypertension: technique and anatomy, Patriquin HB; Lafortune M; Burns PN; et al, *AJR* 1987; 149: 71
- duplex Doppler examination of the liver and portal venous system, Koslin DB; Berland LL, *JCU* 1987; 15: 675
- duplex Doppler ultrasound in the diagnosis of cavernous transformation of the portal vein, Raby N; Meire HB, *Br J Radiol* 1988; 61: 586
- duplex scanning in presumably normal persons of different ages, Zbornikova V; Lassvik C, *Ultrasound Med Biol* 1986; 12: 371
- duplex scanning with continuous wave Doppler for carotid disease, (ab), Rush M; Thomas M; Zyffoff J; et al, *Radiology* 1986; 159: 575
- echo-Doppler (duplex) system for the detection of vertebral artery occlusive disease: comparison with angiography, Visona A; Lusiani L; Castellani V; et al, *J Ultrasound Med* 1986; 5: 247
- echo-Doppler velocimeter in the diagnosis of hypertensive patients: renal artery Doppler technique, Handa N; Fukunaga R; Uehara A; et al, *Ultrasound Med Biol* 1986; 12: 945
- efficacy of echo-Doppler examination for the evaluation of renovascular disease, Handa N; Fukunaga R; Etani H; et al, *Ultrasound Med Biol* 1988; 14: 1
- efficacy of EC-IC anastomoses: evaluation by directional c-w Doppler sonography, Biedert S; Winter R; Betz H; et al, *Neuroradiol* 1988; 30: 98
- exploration of the fetal cerebral blood flow by duplex Doppler—linear array system in normal and pathological pregnancies, Arbeille P; Roncin A; Berson M; et al, *Ultrasound Med Biol* 1987; 13: 329
- factors affecting the continuous wave Doppler spectrum for the diagnosis of carotid arterial disease, Morin JF; Johnston KW; Law YF, *Ultrasound Med Biol* 1988; 14: 175
- failure to demonstrate a vasoconstrictive effect of vasopressin on the internal carotid and middle cerebral arteries: transcranial ultrasound Doppler study, Krapf R; Markwalder T-M; Linders HR, *Ultrasound Med Biol* 1987; 13: 131
- femoral artery pseudoaneurysm: diagnosis with conventional duplex and color Doppler US, Mitchell DG; Needleman L; Bezzzi M; Goldberg BB; Kurtz AB; Pennell RG; Rifkin MD; Vilario M; Baltarowich OH, *Radiology* 1987; 165: 687
- first steps in the development of the Doppler flowmeter, Kaneko Z, *Ultrasound Med Biol* 1986; 12: 187
- flow reversal in the normal carotid bifurcation: color Doppler flow imaging analysis, Middleton WD; Foley WD; Lawson TL, *Radiology* 1988; 167: 207
- focal liver masses: differential diagnosis with pulsed Doppler US, Taylor KJW; Ramos I; Morse SS; Fortune KL; Hammers L; Taylor CR, *Radiology* 1987; 164: 643
- gestational trophoblastic neoplasia: diagnosis with Doppler US, Taylor KJW; Schwartz PE; Kohorn EL, *Radiology* 1987; 165: 445
- hemodynamic consequences of left atrial myxomas as assessed by Doppler ultrasound, (ab), Panidis IP; Mintz GS; McAllister M, *Radiology* 1987; 162: 886
- hepatic artery pseudoaneurysm: diagnosis with real-time and pulsed Doppler US, Falkoff GE; Taylor KJW; Morse SS, *Radiology* 1986; 158: 55
- iatrogenic aneurysmal portal-hepatic venous fistula: diagnosis by color Doppler imaging, Bezzzi M; Mitchell DG; Needleman L; et al, *J Ultrasound Med* 1988; 7: 457
- influence of spectral broadening on continuous wave Doppler ultrasound spectra: geometric approach, Bascom PAJ; Cobbold RSC; Roelofs BHM, *Ultrasound Med Biol* 1986; 12: 387
- insufficiency of carotid and vertebral flow velocity in cerebrovascular disease: continuous wave Doppler study, Colon E; Schulte B; van Campen J, *Ultrasound Med Biol* 1987; 13: 339

- intracranial flow patterns in infants undergoing extracorporeal membrane oxygenation: preliminary observations with Doppler US, Taylor GA; Catena LM; Garin DB; Miller MK; Short BL, *Radiology* 1987; 165: 671
- intratumoral blood flow: evaluation with color Doppler echography, Shimamoto K; Sakuma S; Ishigaki T; Makino N, *Radiology* 1987; 165: 683
- investigation of Doppler waveforms in porcine renal allografts: Doppler-pathologic correlation, Piccirillo M; Taylor KJW; Flye MW; et al, *Ultrasound Med Biol* 1988; 14: 111
- in vitro study of continuous wave Doppler spectral changes resulting from stenoses and bulbes, Morin JF; Johnston KW; Law YF, *Ultrasound Med Biol* 1987; 13: 5
- is it possible to recognize portal hypertension with continuous-wave Doppler ultrasonography?, Lombardi G; Salmi A; Polotti R; et al, *JCU* 1987; 15: 121
- left coronary arterial blood flow: noninvasive detection by Doppler US, Gramiak R; Holen J; Moss AJ; Gutierrez OH; Picone AL; Roe SA, *Radiology* 1986; 159: 657
- linear array system for deep vessel explorations, Berson M; Roncin A; Arbelli P; et al, *Ultrasound Med Biol* 1987; 13: 267
- neonatal brain: color Doppler imaging. part I. technique and vascular anatomy, Mitchell DG; Merton D; Needleman L; Kurtz AB; Goldberg BB; Levy DW; Rifkin MD; Pennell RG; Vilano M; Baltarowich O; Dahner W; Graziani L; Desai H, *Radiology* 1988; 167: 303
- neonatal brain: color Doppler imaging. part II. altered flow patterns from extracorporeal membrane oxygenation, Mitchell DG; Merton D; Desai H; Needleman L; Kurtz AB; Goldberg BB; Graziani L; Wolfson P, *Radiology* 1988; 167: 307
- performance tests of Doppler ultrasound equipment with a tissue and blood-mimicking phantom, Boote EJ; Zagzebski JA, *J Ultrasound Med* 1988; 7: 137
- phasic flow in the left ventricular inflow tract: the importance of Doppler sample volume position, Delemarre BJ; Bot H; Visser CA; et al, *JCU* 1988; 16: 227
- physical principles of Doppler and spectral analysis, Burns PN, *JCU* 1987; 15: 567
- porta hepatis: duplex Doppler US with angiographic correlation, Alpern MB; Rubin JM; Williams DM; Capek P, *Radiology* 1987; 162: 53
- pre- and postoperative Doppler echocardiographic evaluation of anomalous left coronary artery arising from the pulmonary artery, Fyfe DA; Sade RM; Gillette PC; et al, *J Ultrasound Med* 1987; 6: 101
- primer of cerebrovascular ultrasound. part III: carotid duplex examination procedures, Zwiebel WJ, *Semin US CT MR* 1987; 8: 9
- primer of cerebrovascular ultrasound. part II: physical principles and duplex instrumentation, Zwiebel WJ, *Semin US CT MR* 1987; 8: 5
- primer of cerebrovascular ultrasound. part V: analysis of carotid Doppler signals, Zwiebel WJ, *Semin US CT MR* 1987; 8: 27
- primer of cerebrovascular ultrasound. part VI: duplex vertebral examination, Zwiebel WJ, *Semin US CT MR* 1987; 8: 51
- prudent approach to Doppler US, Taylor KJW, *Radiology* 1987; 165: 283
- pulsed Doppler sonography as an aid in ultrasound-guided aspiration biopsy, McGahan JP; Anderson MW, *Gastrointest Radiol* 1987; 12: 279
- quantitative applications of Doppler cardiography in congenital heart disease, Colan SD, *Cardiovasc Intervent Radiol* 1987; 10: 332
- quantitative sonography, Robinson DE; Gill RW; Kossoff G, *Ultrasound Med Biol* 1986; 12: 555
- renal allograft rejection: evaluation by Doppler US and MR imaging, Steinberg HV; Nelson RC; Murphy FB; Chezar JL; Baumgartner BR; Delaney VB; Wheelchel JD; Bernardino ME, *Radiology* 1987; 162: 337
- renal allografts in acute rejection: evaluation using duplex sonography, Rigby CM; Taylor KJW; Weltin GG; Burns PN; Bia M; Princenthal RA; Kashgarian M; Flye MW, *Radiology* 1986; 158: 375
- renal allografts: prospective analysis of Doppler sonography, Allen KS; Jorkasky DK; Anger PH; Velchik MG; Grumbach K; Coleman BG; Mintz MC; Betsch SE; Perloff LJ, *Radiology* 1988; 169: 371
- renal artery stenosis: duplex Doppler evaluation, Dubbins FA, Br J Radiol 1986; 59: 225
- renal carcinoma: duplex Doppler evaluation, Dubbins FA; Wells L, Br J Radiol 1986; 59: 231
- significance of an absent or reversed end diastolic flow in Doppler umbilical artery waveforms, Woo JSK; Liang ST; Lo RLS, *J Ultrasound Med* 1987; 6: 291
- some failings of pulsatility index and damping factor, Baker AR; Evans DH; Prytherch DR; et al, *Ultrasound Med Biol* 1986; 12: 875
- sonography of the hepatic vascular system, Becker CD; Cooperberg PL, *AJR* 1988; 150: 999
- splenic artery and superior mesenteric artery blood flow: nonsurgical Doppler US measurements in healthy subjects and patients with chronic liver disease, Sato S; Ohnishi K; Sugita S; Okuda K, *Radiology* 1987; 164: 347
- surgical portosystemic shunts in children: assessment with duplex Doppler US. work in progress, Patriquin HB; Lafortune M; Weber A; Blanchard H; Garel L; Roy C, *Radiology* 1987; 165: 25
- transcranial Doppler sonography, examination technique and normal reference values, Arnolds BJ; von Reutern G-M, *Ultrasound Med Biol* 1986; 12: 115
- transcranial measurement of blood velocities in the basal cerebral arteries using pulsed Doppler ultrasound: method of assessing the circle of Willis, Padayachee TS; Kirkham FJ; Lewis RR; et al, *Ultrasound Med Biol* 1986; 12: 5
- transmission line modelling approach to the interpretation of uterine Doppler waveforms, Mo LYL; Bascom PAJ; Ritchie K; et al, *Ultrasound Med Biol* 1988; 14: 365
- two-dimensional and Doppler echocardiography in acute myocardial infarction and its complications, Asmann PE; Roelandt JRTC, *Ultrasound Med Biol* 1987; 13: 507
- ultrasonography: RSNA '87 meeting notes, Merritt CRB; Filly RA; Lawson TL, *Radiology* 1988; 166: 924
- ultrasonic Doppler study of the hormonal response of blood flow in the normal human breast, Sambrook M; Bamber JC; Minasian H; et al, *Ultrasound Med Biol* 1987; 13: 121
- unidirectional 8-MHz continuous wave Doppler equipment can facilitate catheterization of the internal jugular vein, Schregel W; Straub H; Singbartl G, *J Ultrasound Med* 1986; 5: 421
- value of combined pulsed-Doppler and high-resolution real-time sonography of the extracranial carotid system, Levi CS; Lyons EA; Morrow IM; et al, *J Canad Assoc Radiol* 1987; 38: 11
- vector based approach to age-related changes of Doppler velocity waveforms in the brachial artery, Golczewski T; Krajewski A, *Ultrasound Med Biol* 1987; 13: 15
- versatile test-object for the calibration of ultrasonic Doppler flow instruments, McDicken WN, *Ultrasound Med Biol* 1986; 12: 245
- Ultrasound (US), experimental**
- absolute flow measurements using pulsed Doppler US: work in progress, Walter JP; McGahan JP; Lantz BMT, *Radiology* 1986; 159: 545
- acoustic emission as a measure of exposure of suspended cells *in vitro*, Edmonds PD; Ross P, *Ultrasound Med Biol* 1986; 12: 297
- cirrhosis: US images with narrow band filtering, Sommer G; Stern R; Chen H-S, *Radiology* 1987; 165: 425
- demonstration of enhanced temperature elevation due to nonlinear propagation of focussed ultrasound in dog's thigh *in vivo*, Hynynen K, *Ultrasound Med Biol* 1987; 13: 85
- detection of temperature induced structural changes in T4b and T7 bacteriophages by means of high precision acoustic velocity measurements, Shilnikov GV; Khasainov AA; Sarvazyan AP; et al, *Ultrasound Med Biol* 1986; 12: 511
- developmental effects of ultrasound exposure in mammals, Sikov MR, *Ultrasound Med Biol* 1986; 12: 686
- effect of pulsed ultrasound on the survival of *Drosophila*, Pay TL; Barrick MK, *Ultrasound Med Biol* 1987; 13: 93
- effect of therapeutic level ultrasound on visual evoked potentials in the hypoxic cat, Forester GV; Peterson EA; Roy OZ, *Ultrasound Med Biol* 1987; 13: 259
- increased sister chromatid exchanges in Chinese hamster ovary cells exposed to high intensity pulsed ultrasound, Barnett SB; Miller MW; Cox C; et al, *Ultrasound Med Biol* 1988; 14: 397
- influence of *in vitro* experimental design, Miller MW, *Ultrasound Med Biol* 1986; 12: 682
- new technique for myocardial contrast echocardiography in the experimental canine model using a special cannula for selective left main coronary artery cannulation, Spontitz WD; Oliner JD; Gascho JA; et al, *JCU* 1986; 14: 742
- tissue characterization of the testes using ultrasonic CT: work in progress, Bland PH; DiPietro MA; Chenevert TL; Hutchinson RJ; Carson PL, *Radiology* 1986; 159: 101
- ultrasonically induced morphological changes in the mammalian neonatal spinal cord, Borrelli MJ; Frizzell LA; Dunn F, *Ultrasound Med Biol* 1986; 12: 285
- ultrasonic study of *in vivo* kinetic characteristics of human tissues, Tristram M; Barbosa DC; Cosgrove DO; et al, *Ultrasound Med Biol* 1986; 12: 927
- ultrasonic tissue characterization and histopathology in tumor xenografts following ultrasonically induced hyperthermia, Silverman RH; Coleman DJ; Luzzi FL; et al, *Ultrasound Med Biol* 1986; 12: 639
- variation of sonic plesio-velocity in dose dependent lathyrus rabbit femur, Lees S; Barnard SM; Churchill D, *Ultrasound Med Biol* 1987; 13: 19
- Ultrasound (US), in infants and children**
- accuracy of fetal echocardiography, Benacerraf BR; Pober BR; Sanders SP, *Radiology* 1987; 165: 847
- changes in the lateral ventricle with the head position: ultrasonographic observation, Koeda T; Ando Y; Takahima S; et al, *Neuroradiol* 1988; 30: 315
- compound renal pyramid: normal hypoechoic region on the pediatric sonogram, Jones BE; Hoffer FA; Teele RL; et al, *J Ultrasound Med* 1987; 6: 515
- congenital abnormalities of the aortic arch: MR imaging, Gomes AS; Lois JF; George B; Aplan G; Williams RG, *Radiology* 1987; 165: 691
- congenital diaphragmatic hernia: US diagnosis prior to 22 weeks gestation, Benacerraf BR; Greene MF, *Radiology* 1986; 158: 809
- cranial duplex sonography of the infant, Grant EG; White EM; Schellinger D; Choyke PL; Sarcone AL, *Radiology* 1987; 163: 177
- cranial ultrasound in preterm infants: long-term follow-up, (ab), Baerts W; Meradji M, *Radiology* 1986; 158: 574
- distended gasless abdomen: fertile field for ultrasound, Seibert JJ; Williamson SL; Golladay ES; et al, *J Ultrasound Med* 1986; 5: 301
- Doppler ultrasound in the neonate, Drayton MR; Skidmore R, *Ultrasound Med Biol* 1986; 12: 761
- ectopic ureter and ureterocele: their varied sonographic manifestations, Nussbaum AR; Dorst JP; Jeffs RD; Gearhart JP; Sanders RC, *Radiology* 1986; 159: 227
- endotracheal tubes in neonates: sonographic positioning, Slovis TL; Poland RL, *Radiology* 1986; 160: 262
- flow velocity in cerebral arteries in the newborn, van Bel F, *Radiology* 1988; 166: 904

Ultrasound (US), in infants and children

- flow velocity in cerebral arteries in the newborn: reply, Grant E, *Radiology* 1988; 166: 905
- follow-up studies of multicystic dysplastic kidneys, Vinocur L; Slovis TL; Perlmutter AD; Watts FB Jr; Chang C-H, *Radiology* 1988; 167: 311
- gastric trichobezoar: sonographic findings, McCracken S; Jongeward R; Silver TM; Jafri SZH, *Radiology* 1986; 161: 123
- hypertrophic pyloric stenosis: diagnosis using US, Haller JO; Cohen HL, *Radiology* 1986; 161: 335
- immobilization for pediatric ultrasonography, Taus RH; McCarthy SJ, *J Ultrasound Med* 1986; 5: 53
- inadvertent ligation of the left pulmonary artery, Jaffe RB; Orsonson GS; Veasy LG, *Radiology* 1986; 161: 355
- indications for routine cranial ultrasound scanning in the nursery, Sims ME; Halterman G; Jasani N; et al, *JCU* 1986; 14: 443
- infant cranial sonography, Grant EG; Tessler F; Perrella R, *Radiol Clin North Am* 1988; 26: 1089
- intracranial abnormalities in infants treated with extracorporeal membrane oxygenation: imaging with US and CT, Taylor GA; Fitz CR; Miller MK; Garin DB; Catena LM; Short BL, *Radiology* 1987; 165: 675
- low-level echogenicity in intraventricular hemorrhage versus ventriculitis, Grant EG; White EM; Schellinger D; Rosenbach D, *Radiology* 1987; 165: 471
- measurement of quadriceps muscle thickness and subcutaneous tissue thickness in normal children by real-time ultrasound imaging, Heckmatt JZ; Pier N; Dubowitz V, *JCU* 1988; 16: 171
- missing pericallosal artery on sonography: sign of agenesis of the corpus callosum in the neonatal brain?, Baarsma R; Martijn A; Okken A, *Neuroradiol* 1987; 29: 47
- multicystic dysplastic kidneys: spontaneous regression demonstrated with US, Pedicelli G; Jequier S; Bowen A; Boisvert J, *Radiology* 1986; 161: 23
- neonatal brain: color Doppler imaging. part I. technique and vascular anatomy, Mitchell DG; Merton D; Needleman L; Kurtz AB; Goldberg BB; Levy DW; Rifkin MD; Pennell RG; Vilano M; Baltarowich O; Dahner W; Graziani L; Desai H, *Radiology* 1988; 167: 303
- neonatal brain: color Doppler imaging. part II. altered flow patterns from extracorporeal membrane oxygenation, Mitchell DG; Merton D; Desai H; Needleman L; Kurtz AB; Goldberg BB; Graziani L; Wolfson P, *Radiology* 1988; 167: 307
- neonatal duodenum: fluid-aided US examination, Cohen HL; Haller JO; Mestel AL; Coren C; Schechter S; Eaton DH, *Radiology* 1987; 164: 805
- neuroblastoma: a specific sonographic tissue pattern, Amundson GM; Trevenen CL; Mueller DL; et al, *AJR* 1987; 148: 943
- neurosonography of hydrocephalus in infants, Shackelford GD, *Neuroradiol* 1986; 28: 452
- normal and abnormal pancreas in children: US studies, (ab), Siegel MJ; Martin KW; Worthington JL, *Radiology* 1987; 165: 15
- normal development of the spinal cord in neonates and infants seen on ultrasonography, Kawahara H; Andou Y; Takashima S; et al, *Neuroradiol* 1987; 29: 50
- normal hip in children: correlation of US with anatomic and cryomicrotome sections, Yousefzadeh DK; Ramilo JL, *Radiology* 1987; 165: 647
- normal instability of the hip in the neonate: US standards, Keller MS; Welton GG; Rattner Z; Taylor KJW; Rosenfield NS, *Radiology* 1988; 169: 733
- normal standards for kidney length in premature infants: determination with US, work in progress, Schlesinger AE; Hedlund GL; Pierson WP; Null DM, *Radiology* 1987; 164: 127
- Octoson imaging in pediatric urology, (ab), Sheinfeld J; Valvo JR; Wood BP; et al, *Radiology* 1988; 167: 296
- pediatric radiology: advances and current practices, Griscom NT, *Invest Radiol* 1986; 21: 833
- pediatric radiology. RSNA '87 meeting notes, Baker DH; Griscom NT; Miller JH; Slovis TL, *Radiology* 1988; 166: 601
- pediatric urosonography: update, Haller JO; Cohen HL, *Urol Radiol* 1987; 9: 99
- postappendectomy fluid collections in children: incidence, nature, and evolution evaluated using US, Baker DE; Silver TM; Coran AG; McMillin KL, *Radiology* 1986; 161: 341
- procedural hazards of neonatal ultrasonography, DiPietro MA; Faix RG; Donn SM, *JCU* 1986; 14: 361
- real-time sonographic display of caudal spinal anomalies, Naidich TP; Radkowski MA; Britton J, *Neuroradiol* 1986; 28: 512
- reliability of sonography in non-hemorrhagic periventricular leukomalacia, Baarsma R; Laurini RN; Baerts W; et al, *Pediatr Radiol* 1987; 17: 189
- septal veins: normal finding on neonatal cranial sonography, Goldstein RB; Filly RA; Toi A, *Radiology* 1986; 161: 623
- septal veins: normal finding on neonatal cranial sonography, Goldstein RB; Filly RA; Toi A, *Radiology* 1986; 161: 623
- sonographic evaluation of the infant hip, Harcke HT; Grissom LE; Semin US CT MR 1986; 7: 331
- sonography in pediatric hip disorders, Novick GS, *Radiol Clin North Am* 1988; 26: 29
- sonography of intracranial infection in infants and children, Frank JL, *Neuroradiol* 1986; 28: 440
- sonography of pelvic masses in children: diagnostic predictability, Wu A; Siegel MJ, *AJR* 1987; 148: 1199
- sonography of the normal neonatal head: supratentorial structures: state-of-the-art imaging, Naidich TP; Yousefzadeh DK; Gusnard DA, *Neuroradiol* 1986; 28: 408
- sonography of the premature brain: intracranial hemorrhage and periventricular leukomalacia, Grant EG, *Neuroradiol* 1986; 28: 476
- spinal ultrasonography: intraoperative and pediatric applications, Rubin JM; DiPietro MA; Chandler WF; et al, *Radiol Clin North Am* 1988; 26: 1
- surgical portosystemic shunts in children: assessment with duplex Doppler US, work in progress, Patriquin HB; Lafortune M; Weber A; Blanchard H; Garel L; Roy C, *Radiology* 1987; 165: 25
- tumors and cysts, Chuang S; Harwood-Nash D, *Neuroradiol* 1986; 28: 463
- ultrasonic anatomy of the normal neonatal and infant spine: correlation with cryomicrotome sections and CT, Gusnard DA; Naidich TP; Yousefzadeh DK; et al, *Neuroradiol* 1986; 28: 493
- ultrasonic evaluation of pediatric superficial masses, Yamaguchi M; Takeuchi S; Matsuo S-I, *JCU* 1987; 15: 107
- ultrasonographic screening of childhood hematuria, Jequier S; Cramer B; Petitjeanroget T, *J Canad Assoc Radiol* 1987; 38: 170
- ultrasonography in the jaundiced infant: new approach, Green D; Carroll BA, *J Ultrasound Med* 1986; 5: 323
- ultrasonography of the infant hip. part III: clinical application, Zieger M; Schulz RD, *Pediatr Radiol* 1987; 17: 226
- ultrasound and computed tomography of the infant brain: clinical comparison, Lipinski JK; Cremin BJ, *Clin Radiol* 1986; 37: 365
- ultrasound evaluation of septo-optic dysplasia in the newborn: report of a case, Nowell M, *Neuroradiol* 1986; 28: 491
- ultrasound examination of extracardiac chest masses in children: Doppler diagnosis of a vascular etiology, O'Laughlin MP; Huhta JC; Murphy DJ Jr, *J Ultrasound Med* 1987; 6: 151
- ultrasound examination of the normal pyloric sphincter in neonates, Langlois SLP; Lipert K; Hayter W, *Australas Radiol* 1987; 31: 53
- ultrasound of the neonatal craniocervical junction, Cramer BC; Jequier S; O'Gorman AM, *AJNR* 1986; 7: 449
- ultrasound of the pediatric gastrointestinal tract, Miller JH; Kemberling CR, *Semin US CT MR* 1987; 8: 349
- Ultrasound (US), intraoperative**
- brain gliomas: sonographic characterization, McGahan JP; Ellis WG; Budenz RW; Walter JP; Boggan JE, *Radiology* 1986; 159: 485
- cerebral cysticercosis: demonstration by intraoperative neurosonography, Rosner NH; Doris PE; Singh RK, *J Ultrasound Med* 1987; 6: 623
- clinical experience with intraoperative Doppler color flow imaging in hepatectomy, Sukigara M; Koga K; Komazaki T; et al, *JCU* 1987; 15: 9
- comparison of intraoperative ultrasonography and cholangiography in detection of small common bile duct stones, (ab), Chardavoyne R; Kumari-Subhaya S; Auguste LJ; et al, *Radiology* 1988; 166: 908
- intraoperative abdominal ultrasonography: initial experience with a dedicated high-resolution operative transducer, Rifkin MD; Mack LA; Lennard ES; et al, *J Ultrasound Med* 1986; 5: 429
- intraoperative cranial sonography, Quencer RM; Montalvo BM, *Neuroradiol* 1986; 28: 528
- intraoperative imaging of the biliary tree: sonography vs. operative cholangiography, Buckley AR; Scudamore CH; Becker CD; et al, *J Ultrasound Med* 1987; 6: 589
- intraoperative monitoring in vascular surgery, Barnes RW, *Ultrasound Med Biol* 1986; 12: 919
- intraoperative sonography in spinal dysraphism and syringomyelia, Quencer RM; Montalvo BM; Naidich TP; et al, *AJNR* 1987; 8: 329
- intraoperative sonography in spinal surgery: current state of the art, Montalvo BM; Quencer RM, *Neuroradiol* 1986; 28: 551
- intraoperative sonography of a spinal cord arteriovenous malformation, Rubin JM; Krake JE, *AJNR* 1987; 8: 730
- intraoperative spinal sonography in the evaluation of intramedullary tumors, Platt JF; Rubin JM; Chandler WF; et al, *J Ultrasound Med* 1988; 7: 317
- intraoperative ultrasonic localization of a small pancreatic pseudocyst, Rindsberg S; Radecki PD; Friedman AC; et al, *Gastrointest Radiol* 1986; 11: 339
- intraoperative ultrasonographic diagnosis of Budd-Chiari syndrome, Nakao K; Miyata M; Takenaka H; et al, *JCU* 1986; 14: 562
- intraoperative ultrasound of the liver: an important adjunctive tool for decision making in the operating room, (ab), Rifkin MD; Rosato FE; Branch HM; et al, *Radiology* 1987; 165: 588
- intraoperative US, Shawker TH; Doppman JL, *Radiology* 1988; 166: 568
- intraoperative US as an aid to intraoperative electron beam radiation therapy, Schoenecker SA; Mack LA; Russell AH; Cyr DR; Shuman WP; Lennard ES; Montana MA, *Radiology* 1986; 160: 251
- localization of pancreatic insulinoma: comparison of pre- and intraoperative US with CT and angiography, Galiber AK; Reading CC; Charboneau JW; Sheedy PF II; James EM; Gorman B; Grant CS; van Heerden JA; Telander RL, *Radiology* 1988; 166: 405
- localization of parathyroid adenomas in patients who have undergone surgery. part II. invasive procedures, Miller DL; Doppman JL; Krudy AG; Shawker TH; Norton JA; Vucich JJ; Morrish KA; Marx SJ; Spiegel AM; Aurbach GD, *Radiology* 1987; 162: 138
- monitoring hepatic cryosurgery with sonography, Onik G; Kane R; Steele G; et al, *AJR* 1986; 147: 665
- new motor-driven surgical probe and its in vitro comparison with the Cavitron Ultrasonic Surgical Aspirator, Chan KK; Watmough DJ; Hope DT; et al, *Ultrasound Med Biol* 1986; 12: 279
- normal stomach wall and gastric cancer: evaluation with high-resolution operative US, Machi J; Takeda J; Sigel B; Kakegawa T, *Radiology* 1986; 159: 85
- perioperative US, Hall FM; McCordle CR, *Radiology* 1988; 168: 286
- spinal ultrasonography: intraoperative and pediatric applications, Rubin JM; DiPietro MA; Chandler WF; et al, *Radiol Clin North Am* 1988; 26: 1

- time requirements for intraoperative neurosonography, Quencer RM; Montalvo BM, *AJNR* 1986; 7: 155
- transducer frequency considerations in intraoperative US of the spine, Gooding GA; Berger MS; Linkowski GD; Dillon WP; Weinstein PR; Boggan JE, *Radiology* 1986; 160: 272
- ultrasound guided removal of an intracranial bullet: case report, De Campo JF; Myers D; Klug GL, *Australas Radiol* 1986; 30: 6
- utility of operative ultrasound in the surgical management of liver tumors, (ab), Castaing D; Emond J; Bismuth H; et al, *Radiology* 1987; 164: 291
- Ultrasound (US), pediatric**
See Ultrasound (US), in infants and children
- Ultrasound (US), physics**
absorption of longitudinal and shear waves and generation of heat in soft tissues, Filipczynski L, *Ultrasound Med Biol* 1986; 12: 223
- cirrhosis: US images with narrow band filtering, Sommer G; Stern R; Chen H-S, *Radiology* 1987; 165: 425
- critical parameters in pulsed ultrasound exposures, Barnett SB, *Ultrasound Med Biol* 1986; 12: 697
- determination of *in situ* exposure, O'Brien WD, *Ultrasound Med Biol* 1986; 12: 695
- diagnostic spectrum analysis in ophthalmology: physical perspective, Feleppa EJ; Luzzi FL; Coleman DJ; et al, *Ultrasound Med Biol* 1986; 12: 623
- evaluation of frequency dependence of backscatter coefficient in normal and atherosclerotic aortic walls, Landini L; Sarnelli R; Picano E; et al, *Ultrasound Med Biol* 1986; 12: 397
- geometric and intensity distortion in echography, LaFollette PS Jr; Ziskin MC, *Ultrasound Med Biol* 1986; 12: 953
- graphical description of scattering, Greenleaf JF, *Ultrasound Med Biol* 1986; 12: 603
- influence of spectral broadening on continuous wave Doppler ultrasound spectra: geometric approach, Bascom PAJ; Cobbold RSC; Roelofs BHM, *Ultrasound Med Biol* 1986; 12: 387
- locations of peak pressures and peak intensities in finite amplitude beams from a pulsed focused transducer, Duck FA; Starritt HC, *Ultrasound Med Biol* 1986; 12: 403
- measurement and use of acoustic nonlinearity and sound speed to estimate composition of excised livers, Sehgal CM; Brown GM; Bahn RC; et al, *Ultrasound Med Biol* 1986; 12: 865
- measurement of ultrasonic nonlinear parameter in excised fat tissues, Errabolu RL; Sehgal CM; Bahn RC; et al, *Ultrasound Med Biol* 1988; 14: 137
- physical principles of Doppler and spectral analysis, Burns PN, *JCU* 1987; 15: 567
- practical aspects of ultrasound dosimetry: hydrophone performance, Lewin PA, *Ultrasound Med Biol* 1986; 12: 699
- quantitative contrast measurements in B-mode images: comparison between experiment and theory, Bly SHP; Lee-Chahal D; Foster DR; et al, *Ultrasound Med Biol* 1986; 12: 197
- quantitative estimation of liver attenuation and echogenicity: normal state versus diffuse liver disease, Garra BS; Insana MF; Shawker TH; Russell MA, *Radiology* 1987; 162: 61
- quantitative sonography, Robinson DE; Gill RW; Kossoff G, *Ultrasound Med Biol* 1986; 12: 555
- sonographic evaluation of platelet aggregate retention in a vortex within a simulated venous sinus, Machi J; Sigel B; Ramos JR, *J Ultrasound Med* 1986; 5: 685
- use of ultrasound by physiotherapists in Britain, 1985, ter Haar G; Dyson M; Oakley EM, *Ultrasound Med Biol* 1987; 13: 659
- Ultrasound (US), technology**
approach to digital signal processing for ultrasonics research, Knight PC; Robinson DE, *Ultrasound Med Biol* 1987; 13: 345
- automated breast sonography using a 7.5-MHz PVDF transducer: preliminary clinical evaluation, work in progress, Jackson VP; Kelly-Fry E; Rothschild PA; Holden RW; Clark SA, *Radiology* 1986; 159: 679
- calibration of automated water-path breast ultrasound scanners, Kimmie-Smith C; Bassett LW; King W III, *J Ultrasound Med* 1986; 5: 721
- cavitation and free radical dosimeter for ultrasound, McLean JR; Mortimer AJ, *Ultrasound Med Biol* 1988; 14: 59
- cirrhosis: US images with narrow band filtering, Sommer G; Stern R; Chen H-S, *Radiology* 1987; 165: 425
- clinical trial of a new adaptive TGC system for ultrasound imaging, Pye SD; Wild SR; McDicken WN, *Br J Radiol* 1988; 61: 523
- colorectal neoplasms: accuracy of US in demonstrating the depth of invasion, Wang KY; Kimmie MB; Nyberg DA; Mack LA; Haggitt RC; Shuman WP; Franklin DW; Silverstein FE, *Radiology* 1987; 165: 827
- colour flow mapping of oesophago-gastric varices and vessels in and around the liver with trans-oesophageal real-time two-dimensional Doppler ultrasound, Sukigara M; Komazaki T; Yamazaki T; et al, *Clin Radiol* 1987; 38: 487
- comparison between endovaginal and transabdominal transducers for measuring ovarian volume, Granberg S; Wikland M, *J Ultrasound Med* 1987; 6: 649
- comparison of theoretical scattering results and ultrasonic data from clinical liver examinations, Luzzi FL; King DL; Rorke MC; et al, *Ultrasound Med Biol* 1988; 14: 377
- device to aid in ultrasound imaging, Crass JR; Poznaniak MA; Baumann JL; et al, *JCU* 1987; 15: 211
- dosage specifications for ultrasound equipment, Frizzell LA, *Ultrasound Med Biol* 1986; 12: 707
- duplex carotid ultrasound, Acker JD; Cole CA; Mauney KA; et al, *Neuroradiol* 1986; 28: 608
- endoscopic micromanipulator for multiplanar transoesophageal imaging, Martin RW; Bashein G; Zimmer K; et al, *Ultrasound Med Biol* 1986; 12: 965
- endovaginal ultrasound: a technique for evaluation of nonfollicular pelvic masses, Vilaro MM; Rifkin MD; Pennell RG; et al, *J Ultrasound Med* 1987; 6: 697
- factors affecting the choice of preamplification for ultrasonic hydrophone probes, Lewin PA; Schafer ME; Chivers RC, *Ultrasound Med Biol* 1987; 13: 141
- feasibility of high-resolution, intravascular ultrasonic imaging catheters, Meyer CR; Chiang EH; Fechner KP; Fitting DW; Williams DM; Buda AJ, *Radiology* 1988; 168: 113
- FM sonography in diffuse liver disease: prospective assessment and blinded analysis, Ralls PW; Johnson MB; Kanel G; Dobalian DM; Colletti PM; Boswell WD Jr; Radin DR; Halls JM, *Radiology* 1986; 161: 451
- frequency-demodulated US: evaluation in the liver, work in progress, Aufrecht D; Lottenberg S; Hoels J; Ferrari LA; Friedenberg RM; Kanel G; Cole-Buglet CM; Leeman S, *Radiology* 1986; 160: 59
- high frequency breast ultrasound: hand-held versus automated units; examination for palpable mass versus screening, Kimmie-Smith C; Bassett LW; Gold RH, *J Ultrasound Med* 1988; 7: 77
- imaging studies of the cadaver hand using transmission ultrasound, Hentz VR; Green PS; Arditi M, *Skeletal Radiol* 1987; 16: 474
- interlaboratory comparison of ultrasonic attenuation and speed measurements, Madsen EL; Frank GR; Carson PL; et al, *J Ultrasound Med* 1986; 5: 569
- in vivo* and *in vitro* ultrasound beam distortion measurements of a large aperture and a conventional aperture focussed transducer, Moshfeghi M; Waag RC, *Ultrasound Med Biol* 1988; 14: 415
- new transducer technology—the annular phased array: comparison with a conventional mechanically rotating sector transducer: the upper abdomen, Schwaighofer B; Stiglbauer R; Frühwald F; et al, *Eur J Radiol* 1987; 7: 285
- new ultrasound annotation and report card system, Gibson RN; Hicks IP, *JCU* 1987; 15: 71
- noise reduction in ultrasonic images by digital filtering, Loupas T; McDicken WN; Allan PL, *Br J Radiol* 1987; 60: 389
- orientation and frequency dependence of backscatter coefficient in normal ad pathological breast tissues, Landini L; Sarnelli R; Salvadori M; et al, *Ultrasound Med Biol* 1987; 13: 77
- phased array ultrasound imaging through planar tissue layers, Smith SW; Trahey GE; von Ramm OT, *Ultrasound Med Biol* 1986; 12: 229
- plastic wrap for US transducer sterility or sanitization, Laing FC; Ryan T; Hadley K; Jeffrey RB Jr; Wing VW, *Radiology* 1986; 160: 846
- portable obstetrical ultrasound calculation and analysis using an inexpensive laptop microcomputer and simple BASIC program, Dunne MC; Dunne SB, *JCU* 1988; 16: 417
- primary gastric lymphoma versus gastric carcinoma: endoscopic US evaluation, Bolondi L; Casanova P; Caletti GC; Grigioni W; Zani L; Barbara L, *Radiology* 1987; 165: 821
- quantitative estimation of liver attenuation and echogenicity: normal state versus diffuse liver disease, Garra BS; Insana MF; Shawker TH; Russell MA, *Radiology* 1987; 162: 61
- scrotal cup for testicular ultrasound, Cazenave CR; Williams JL, *JCU* 1987; 15: 357
- slice thickness measurements, Goldstein A, *J Ultrasound Med* 1988; 7: 487
- sonography of the pancreatic head aided by water and glucagon, Op den Orth JO, *Radiographics* 1987; 7: 85
- tongue and tonsil cancer: staging with US, Bruneton JN; Roux P; Caramella E; Manzano JJ; Vallicioni J; Demard F, *Radiology* 1986; 158: 743
- transcutaneous sonography of the postoperative spine, Flori SC; Raghavendra BN, *Neuroradiol* 1986; 28: 599
- transvaginal and transabdominal sonography of the endometrium, Fleischer AC; Mendelson EB; Böhm-Vélez M; et al, *Semin US CT MR* 1988; 9: 81
- transvaginal longitudinal ultrasonography in diagnosis of carcinoma of the urinary bladder, Tayb AF; Slesarev VI; Komarevskiy VN, *J Ultrasound Med* 1988; 7: 179
- transvaginal sonography in gynecologic imaging, Mendelson EB; Böhm-Vélez M; Neiman HL; et al, *Semin US CT MR* 1988; 9: 102
- two-dimensional echocardiographic imaging: *in vitro* comparison of conventional and dynamically focused annular array transducers, Pini R; Ferrucci L; Di Bari M; et al, *Ultrasound Med Biol* 1987; 13: 643
- ultrasonography: RSNA '87 meeting notes, Merritt CRB; Filly RA; Lawson TL, *Radiology* 1988; 166: 924
- ultrasound attenuation estimation using the LMSE filters and the median filter, Jang HS; Lee MH; Park SB, *Ultrasound Med Biol* 1988; 14: 51
- use of acoustic microscopy for biological tissue characterization, Kolosov OV; Levin VM; Mayev RG; et al, *Ultrasound Med Biol* 1987; 13: 477
- variability in measurement of specific parameters for carotid duplex examination, Kohler TR; Langlois Y; Roederer GO; et al, *Ultrasound Med Biol* 1987; 13: 637
- Ultrasound (US), therapeutic**
effect of therapeutic level ultrasound on visual evoked potentials in the hypoxic cat, Forester GV; Peterson EA; Roy OZ, *Ultrasound Med Biol* 1987; 13: 259
- effects of therapeutic ultrasound on the activity of the mononuclear phagocyte system *in vivo*, Saad AH; Williams AR, *Ultrasound Med Biol* 1986; 12: 145
- therapeutic ultrasound, Coleman DJ; Luzzi FL; Silverman RH; et al, *Ultrasound Med Biol* 1986; 12: 633
- therapeutic ultrasound and the liver *in vivo*: action and possible mechanisms, Saad AH; Bahakin HM; Helmi A; et al, *Ultrasound Med Biol* 1986; 12: 855
- Ultrasound (US), tissue characterization**
cirrhosis: US images with narrow band filtering, Sommer G; Stern R; Chen H-S, *Radiology* 1987; 165: 425

- correlation of Doppler US tumor signals with neovascular morphologic features
Taylor KJW; Ramos I; Carter D; Morse SS; Snower D; Fortune K, *Radiology* 1988; 166: 57
- evaluation of the use of texture measurements for the tissue characterization of ultrasonic images of *in vivo* human placenta
Morris DT, *Ultrasound Med Biol* 1988; 14: 387
- frequency dependence of ultrasound attenuation and backscatter in breast tissue
D'Astous FT; Foster FS, *Ultrasound Med Biol* 1986; 12: 795
- in vivo* radiofrequency ultrasound analysis of normal human heart structures, Lattanzi F; Picano E; Mazzarisi A; et al, *JCU* 1987; 13: 371
- local texture analysis: an approach to differentiating liver tissue objectively
Schuster E; Knoflach P; Grabner G, *JCU* 1988; 16: 453
- new method of measuring *in vivo* sound speed in the reflection mode, Hayashi N; Tamaki N; Senda M; et al, *JCU* 1988; 16: 87
- normal hip in children: correlation of US with anatomic and cryomicrotome sections
Yousefzadeh DK; Ramilo JL, *Radiology* 1987; 165: 647
- quantitative sonography, Robinson DE; Gill RW; Kossoff G, *Ultrasound Med Biol* 1986; 12: 555
- quantitative US attenuation in normal liver and in patients with diffuse liver disease: importance of fat, Taylor KJW; Riely CA; Hammers L; Flax S; Welton GG; Garcia-Tsao G; Conn HO; Kuc R; Barwick KW, *Radiology* 1986; 160: 65
- removal of air from liver specimens via vacuum, Sommer FG; Solomon H; Carroll B, *JCU* 1986; 14: 277
- tendon echogenicity: *ex vivo* study, Crass JR; van de Vegte GL; Harkavy LA, *Radiology* 1988; 167: 499
- tissue characterization from ultrasound B-scan data, Nicholas D; Nassiri DK; Garbutt P; et al, *Ultrasound Med Biol* 1986; 12: 135
- tissue characterization of the testes using ultrasonic CT: work in progress, Bland PH; DiPietro MA; Chenevert TL; Hutchinson RJ; Carson PL, *Radiology* 1986; 159: 101
- tissue characterization of WFUMB '85, Robinson DE; Bamber JC; Doust B; et al, *Ultrasound Med Biol* 1986; 12: 725
- ultrasonic tissue characterization and histopathology in tumor xenografts following ultrasonically induced hyperthermia, Silverman RH; Coleman DJ; Lizzi FL; et al, *Ultrasound Med Biol* 1986; 12: 639
- use of acoustic microscopy for biological tissue characterization, Kolosov OV; Levin VM; Mayev RG; et al, *Ultrasound Med Biol* 1987; 13: 477
- wave space interpretation of scattered ultrasound, Lerner RM; Waag RC, *Ultrasound Med Biol* 1988; 14: 97
- Ultrasound (US), treatment planning**
tongue and tonsil cancer: staging with US, Bruneton JN; Roux P; Caramella E; Manzino JJ; Vallicioni J; Demard F, *Radiology* 1986; 158: 743
- Ultrasound (US), utilization**
Australia, Buttery B, *JCU* 1986; 14: 652
clinicians' appraisal of sonography, Raptopoulos V; Goldberg RJ; Smith EH; Ellison RC, *Radiology* 1987; 165: 237
evaluation of azotemic patients: diagnostic yield of initial US examination, Ritchie WW; Vick CW; Glocheski SK; Cook DE, *Radiology* 1988; 167: 245
prudent use of diagnostic ultrasound, Wells PNT, *Ultrasound Med Biol* 1987; 13: 391
role of ultrasound in obstetric management, Goldkrand JW; Benjamin DS; Cantor DM, *JCU* 1986; 14: 589
ultrasound: the stethoscope of the future, alas, Filly RA, *Radiology* 1988; 167: 400
value of ultrasound in the initial assessment of gynecological patients, Kurjak A; Jurkovic D, *Ultrasound Med Biol* 1987; 13: 401
- Ultrasound (US) guidance**
aspiration biopsy of superficial lesions: ultrasonic guidance with a linear-array probe, Rizzatto G; Solbiati L; Croce F; et al, *AJR* 1987; 148: 623
breast masses: US-guided fine-needle aspiration biopsy, Fornage BD; Faroux MJ; Simatos A, *Radiology* 1987; 162: 409
breast masses: US-guided fine-needle aspiration biopsy, Flamm MB, *Radiology* 1987; 163: 831
cephalocentesis: guidance with an endovaginal probe and endovaginal needle placement, Chayen J; Rifkin MD, *J Ultrasound Med* 1987; 6: 221
CT- or sonography-guided biopsy of the liver in the presence of ascites: frequency of complications, Murphy FB; Barefield KP; Steinberg HV; et al, *AJR* 1988; 151: 485
early diagnosis of hepatocellular carcinoma: usefulness of ultrasonically guided fine-needle aspiration biopsy, Tanaka S; Kitamura T; Kasugai H; et al, *JCU* 1986; 14: 11
electron microscopy of ultrasound-guided fine-needle biopsy specimens, Sehested M; Juul N; Hainau B; et al, *Br J Radiol* 1987; 60: 351
fetal abnormalities: diagnosis or treatment with percutaneous umbilical blood sampling under continuous US guidance, Benacerraf BR; Bass VA; Saltzman DH; Greene MF; Penso CA; Frigoletto FD, *Radiology* 1988; 166: 105
fine-needle aspiration biopsy of bowel lesions under ultrasound guidance: indications and results, Solbiati L; Montali G; Croce F; et al, *Gastrointest Radiol* 1986; 11: 172
fine needle aspiration biopsy of mediastinal and peripheral pulmonary masses guided by real-time sonography, (ab), Pedersen OM; Aasen TB; Gulsvik A; et al, *Radiology* 1986; 160: 856
image-guided pleural biopsies: indications, technique, and results in 23 patients, Mueller PR; Saini S; Simeone JF; Silverman SG; Morris E; Hahn PF; Forman BH; McLeod TC; Shepard JO; Ferrucci JT Jr, *Radiology* 1988; 169: 1
interventional ultrasound in the musculoskeletal system, Christensen RA; vanSonnenberg E; Casola G; et al, *Radiol Clin North Am* 1988; 26: 145
laboratory assessment of ultrasonic needle and catheter visualization, McGahan JP, *J Ultrasound Med* 1986; 5: 373
needle aspiration and core biopsy of prostate cancer: comparative evaluation with biplanar transrectal US guidance, Lee F; Littrup PJ; McLeary RD; Kumusaka GH; Borlaza GS; McHugh TA; Soderer MH; Roi LD, *Radiology* 1987; 163: 515
new catheter design for percutaneous cholecystostomy, McGahan JP, *Radiology* 1988; 166: 49
percutaneous pancreaticobiliary biopsies in 173 patients using primarily ultrasound or fluoroscopic guidance, Teplick SK; Haskin PH; Kline TS; et al, *Cardiovasc Intervent Radiol* 1988; 11: 26
percutaneous real-time ultrasonic guided biopsy in the diagnosis of deep-seated, nonpalpable intra-abdominal masses (initial experience), Sawhney S; Berry M; Bhargava S, *Australas Radiol* 1987; 31: 295
portable real-time sonographic and needle guidance systems for aspiration and drainage, McGahan JP; Anderson MW; Walter JP, *AJR* 1986; 147: 1241
pulsed Doppler sonography as an aid in ultrasound-guided aspiration biopsy, McGahan JP; Anderson MW, *Gastrointest Radiol* 1987; 12: 279
real-time ultrasound scanning in the planning and guidance of pericardiocentesis, Clarke DP; Cosgrove DO, *Clin Radiol* 1987; 38: 119
saline microbubbles monitoring sonography-assisted abscess drainage, Scatamacchia SA; Raptopoulos V; Davidson RI, *Invest Radiol* 1987; 22: 868
sonographically guided percutaneous biopsy of small (3 cm or less) masses, Reading CC; Charbonneau JW; James EM; et al, *AJR* 1988; 151: 189
sonographic guidance for infant hip reduction under anesthesia, Keller MS; Weiss AA, *Pediatr Radiol* 1988; 18: 174
sonographic guidance in diagnostic and therapeutic interventions in the pleural space, O'Moore PV; Mueller PR; Simeone JF; et al, *AJR* 1987; 149: 1
sonographic guidance of thyroid needle biopsy, Goldfinger M; Rothberg R; Stoll S, *J Canad Assoc Radiol* 1986; 37: 186
thoracic empyema: management with image-guided catheter drainage, Silverman SG; Mueller PR; Saini S; Hahn PF; Simeone JF; Forman BH; Steiner E; Ferrucci JT, *Radiology* 1988; 169: 5
transrectal pelvic abscess drainage with sonographic guidance, Noshier JL; Needell GS; Amorosa JK; et al, *AJR* 1986; 146: 1047
transrectal ultrasound guided versus digitally directed prostatic biopsy: a comparative study, (ab), Resnick MI, *Radiology* 1988; 169: 289
ultrasonically guided fine-needle aspiration biopsy in local pancreatic lesions, Taavitsainen M; Koivuniemi A; Bondestam S; et al, *Acta Radiol* 1987; 28: 541
ultrasonically guided fine needle aspiration of suggested enlarged parathyroid glands, Karstrup S; Glenthoj A; Torp-Pedersen S; et al, *Acta Radiol* 1988; 29: 213
ultrasonically guided fine-needle biopsy for histological sampling of suspect parathyroid tissue, Karstrup S; Glenthoj A; Torp-Pedersen S; et al, *Br J Radiol* 1986; 59: 507
ultrasonically guided fine-needle biopsy in focal intrahepatic lesions: six years experience, Bret PM; Sente J-M; Bretagnolle M; et al, *J Canad Assoc Radiol* 1986; 37: 5
ultrasonically guided percutaneous inactivation of parathyroid tumours, Karstrup S; Holm HH; Torp-Pedersen S; et al, *Br J Radiol* 1987; 60: 667
ultrasound for guidance of breast mass removal, Rifkin MD; Schwartz GF; Pasto ME; et al, *J Ultrasound Med* 1988; 7: 261
ultrasound-guided catheterization of the subclavian vein, Yonei A; Yokota K; Yamashita S; et al, *JCU* 1988; 16: 499
ultrasound-guided fine-needle histological biopsies in the abdomen, Tudway DC; Newman J; Chard MJ, *Clin Radiol* 1988; 39: 377
ultrasound versus digitally directed prostatic needle biopsy, (ab), Liddell HT; McDougal WS; Burks DD; et al, *Radiology* 1986; 160: 858
unidirectional 8-MHz continuous wave Doppler equipment can facilitate catheterization of the internal jugular vein, Schregel W; Straub H; Singbartl G, *J Ultrasound Med* 1986; 5: 421
use of a vaginal transducer for oocyte retrieval in an IVF/ET program, Wiklund M; Enk L; Hammarberg K; et al, *JCU* 1987; 15: 245
US-guided aspiration biopsy of the breast, Hall FM, *Radiology* 1987; 164: 285
US-guided percutaneous alcohol injection of small hepatic and abdominal tumors, Livraghi T; Festi D; Monti F; Salmi A; Vettori C, *Radiology* 1986; 161: 309
US-guided percutaneous biopsy: use of a screw biopsy stylet to aid needle detection, Reading CC; Charbonneau JW; Felmlee JP; James EM, *Radiology* 1987; 163: 280
- Umbilical cord**
antenatal measurement of fetal umbilical venous flow by pulsed Doppler and B-mode ultrasonography, Chen H-Y; Lu C-C; Cheng Y-T; et al, *J Ultrasound Med* 1986; 5: 319
antenatal sonographic appearance of omphaloenteric duct cyst, Rosenberg JC; Chervenak FA; Walker BA; et al, *J Ultrasound Med* 1986; 5: 719
duplex ultrasound diagnosis of umbilical cord prolapse, Johnson RL; Anderson JC; Irsik RD; et al, *JCU* 1987; 15: 282
fetal omphalocele and gastroschisis: pitfalls in sonographic diagnosis, Lindfors KK; McGahan JP; Walter JP, *AJR* 1986; 147: 797
fetal omphalocele: associated malformations and chromosomal defects, (ab), Gilbert WM; Nicolaides KH, *Radiology* 1988; 166: 910

- localized deposition of Wharton's jelly: sonographic findings, Ramanathan K; Epstein S; Yaghoobian J, *J Ultrasound Med* 1986; 5: 339
- omphalocele and ectopic spleen, Williams JL; Bush D; Wright PG, *JCU* 1987; 15: 409
- prenatal rupture of omphalocele, Hansen LK; Pedersen SA; Kristoffersen K, *JCU* 1987; 15: 191
- sonographic diagnosis of omphalocele in the first trimester of fetal gestation, Curtis JA; Watson L, *J Ultrasound Med* 1988; 7: 97
- ultrasonographic and pathologic study of mucoid degeneration of umbilical cord, Iaccarino M; Baldi F; Persico O; et al, *JCU* 1986; 14: 127
- Urachus**
- antenatal diagnosis of fetal patent urachus, Persutte WH; Lenke RR; Kropp K; et al, *J Ultrasound Med* 1988; 7: 399
- carcinoma of the urachus demonstrated by CT, Gurrett JP; Ody B; Megevan M, *Eur J Radiol* 1987; 7: 142
- elderly man with hematuria and a pelvic mass, Zagoria RJ; Higgins WJ; King GT; et al, *Invest Radiol* 1987; 22: 424
- urachal carcinoma: CT findings, Brick SH; Friedman AC; Pollack HM; Fishman EK; Radecki PD; Siegelbaum MH; Mitchell DG; Lev-Toaff AS; Caroline DF, *Radiology* 1988; 169: 377
- urachal carcinoma: evaluation with computed tomography, Thomas AJ; Pollack MS; Libshitz HI, *Urol Radiol* 1986; 8: 194
- vesical dome tumors: significance of extravesical extension on CT, Narumi Y; Sato T; Kuriyama K; Fujita M; Saiki S; Kuroda M; Miki T; Kotake T, *Radiology* 1988; 169: 383
- Uremia**
- cerebral computed tomography in uremic and hemodialyzed patients, Cusmano F; Savazzi GM, *JCAT* 1986; 10: 567
- evaluation of azotemic patients: diagnostic yield of initial US examination, Ritchie WW; Vick CW; Glocheski SK; Cook DE, *Radiology* 1988; 167: 245
- recurrent hemolytic uremic syndrome in a renal transplant recipient, Granato DB; Salimi Z; George EA; et al, *Clin Nucl Med* 1988; 13: 171
- uremic pleural effusion detected on radionuclide renogram, Abdel-Dayem HM; Nawaz MK; Suhaili SK; et al, *Clin Nucl Med* 1986; 11: 196
- Ureter**
- See also Genitourinary system
- Ureter, abnormalities**
- computed tomography demonstration of renal dysplasia with a vaginal ectopic ureter, Korogi Y; Takahashi M; Fujimura N; et al, *CT* 1986; 10: 273
- computed tomography of ureteral disruption, Kenney PJ; Panicek DM; Witanowski LS, *JCAT* 1987; 11: 480
- CT diagnosis of circumcaval ureter, Lautin EM; Haramati N; Frager D; et al, *AJR* 1988; 150: 591
- general case of the day, annual meeting, 1985, Hattery RR; Hartman GW; Williamson B, *Radiographics* 1986; 6: 1091
- general case of the day, annual meeting, 1985, Whaley DH; Hoffman AD, *Radiographics* 1987; 7: 183
- obstruction of the upper-pole moiety in renal duplication in adults: CT evaluation, Cronan JJ; Amis ES Jr; Zeman RK; Dorfman GS, *Radiology* 1986; 161: 17
- potential pitfall of DMSA scintigraphy in patients with ureteral duplication, Wu F; Snow B; Taylor A Jr, *J Nucl Med* 1986; 27: 1154
- retrocaudal ureter: computed tomography and ultrasound appearance, Murphy BJ; Casillas J; Becerra JL, *CT* 1987; 11: 89
- right perireteric venous ring detected by computed tomography, Sasaki K; Sano A; Imanaka K; et al, *JCAT* 1986; 10: 349
- striation of the renal pelvis and ureter in bilharziasis, Hugosson C, *Clin Radiol* 1987; 38: 407
- thickening of the renal collecting system: a nonspecific finding at US, Nicolet V; Carignan L; Dubuc G; Hébert G; Bourdon F; Paquin F, *Radiology* 1988; 168: 411
- ureteral involvement secondary to diverticulitis of the colon, (ab), Ney C; Cruz FS Jr; Carvajal S; et al, *Radiology* 1987; 162: 886
- ureteral pseudodiverticulosis associated with carcinoma of renal pelvis, Kenney PJ; Wasserman NF, *Urol Radiol* 1987; 9: 161
- Ureter, calculi**
- abdominal colic due to ureteric diverticulum with stone formation, Roodhooft AM; Boven K; Gentens P; et al, *Pediatr Radiol* 1987; 17: 252
- direct percutaneous ureterolithotomy, Smith TP; Hunter DW; Hulbert JC; et al, *AJR* 1987; 148: 617
- distal ureteral calculi: diagnosis by transaxial sonography, Lerner RM; Rubens D, *AJR* 1986; 147: 1189
- endourological treatment of ureteral calculi, (ab), Kahn RI, *Radiology* 1986; 160: 285
- extracorporeal shock wave lithotripsy for ureteral stones: a retrospective analysis of 417 cases, (ab), Graff J; Pastor J; Funke PJ; et al, *Radiology* 1988; 168: 885
- extracorporeal shock wave lithotripsy in the prone position: treatment of stones in the distal ureter or anomalous kidney, (ab), Jenkins AD; Gillenwater JY, *Radiology* 1988; 169: 587
- extracorporeal shock wave lithotripsy of ureteral stones: clinical experience and experimental findings, (ab), Mueller SC; Wilbert D; Thueroff JW; et al, *Radiology* 1986; 160: 858
- giant obstructing calculus in the distal ureter secondary to obstruction by a ureterocele, Golomb J; Korczak D; Lindner A, *Urol Radiol* 1987; 9: 168
- intraprocedural passage of an obstructing ureteral calculus, Machen BC; Brogdon BG, *CT* 1986; 10: 135
- management of upper ureteral calculi with extracorporeal shock wave lithotripsy, (ab), Lingeman JE; Shirrell WL; Newman DM; et al, *Radiology* 1988; 167: 292
- percutaneous removal of renal and ureteral calculi: experience with 400 cases, (ab), Reddy PK; Hulbert JC; Lange PH; et al, *Radiology* 1986; 158: 859
- pseudoureteroceles following extracorporeal shock wave lithotripsy, Barber L; Amendola MA; Pollack HM; Van Arsdalen KN, *Radiology* 1988; 167: 397
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- tooth-root sign: a characteristic appearance of distal ureteric calculi, Bloom RA; Libson E; Verstandig A; et al, *Clin Radiol* 1988; 39: 212
- treatment of prevesical ureteral calculi by extracorporeal shock wave lithotripsy, (ab), Becht E; Moll V; Neisius D; et al, *Radiology* 1988; 169: 587
- ultrasound findings in urolithiasis in the lower ureter, Ohnishi K; Watanabe H; Ohe H; et al, *Ultrasound Med Biol* 1986; 12: 577
- ultrasound used to detect a stone in the vesico-ureteric junction during pregnancy, Rubin G; Fitzsimons PJ, *Br J Radiol* 1986; 59: 1044
- upper and midureteral calculi: percutaneous extraction with an occlusion balloon catheter, Beckmann CF; Roth RA; Luedke MD, *Radiology* 1986; 159: 643
- upper urinary tract calculi: extrusion into perinephric and periureteric tissues during percutaneous management, Verstandig AG; Banner MP; Van Arsdalen KN; Pollack HM, *Radiology* 1986; 158: 215
- ureteral calculi: percutaneous removal using modified basket extractors and fluoroscopy, Hare WSC, *Radiology* 1986; 160: 189
- ureteral stone management: emerging concepts, (ab), Lingeman JE; Sonda LP; Kohneski RJ; et al, *Radiology* 1986; 161: 859
- ureteral stone manipulation before extracorporeal shock wave lithotripsy, (ab), Evans RJ; Wingfield DD; Morollo BA; et al, *Radiology* 1988; 168: 588
- Ureter, CT**
- computed tomographic diagnosis of ureteral obstruction caused by a sloughed papilla, Andriole GL; Bahnsen RR, *Urol Radiol* 1987; 9: 45
- computed tomography in the diagnosis of fistula between the ureter and iliac artery, Baum ML; Baum RD; Plaine L; et al, *JCAT* 1987; 11: 719
- computed tomography of ureteral disruption, Kenney PJ; Panicek DM; Witanowski LS, *JCAT* 1987; 11: 480
- computed tomography of ureteral tumors, Kenney PJ; Stanley RJ, *JCAT* 1987; 11: 102
- CT demonstration of a ureterosciatic hernia, Oyen RH; Gielen JL; Baert LV; et al, *Urol Radiol* 1987; 9: 174
- CT diagnosis of circumcaval ureter, Lautin EM; Haramati N; Frager D; et al, *AJR* 1988; 150: 591
- non-Hodgkin lymphoma of ureteral wall: CT findings, Chen HH; Panella JS; Rochester D; et al, *JCAT* 1988; 12: 157
- obstruction of the upper-pole moiety in renal duplication in adults: CT evaluation, Cronan JJ; Amis ES Jr; Zeman RK; Dorfman GS, *Radiology* 1986; 161: 17
- retrocaudal ureter: computed tomography and ultrasound appearance, Murphy BJ; Casillas J; Becerra JL, *CT* 1987; 11: 89
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- traumatic avulsion of the ureter: computed tomography correlation, Templeton PA; Mirvis SE; Whitley NO, *CT* 1988; 12: 159
- ureteral metastases—computed tomographic findings, Puech JL; Song MY; Joffe F; et al, *Eur J Radiol* 1987; 7: 103
- Ureter, diverticula**
- abdominal colic due to ureteric diverticulum with stone formation, Roodhooft AM; Boven K; Gentens P; et al, *Pediatr Radiol* 1987; 17: 252
- ureteral pseudodiverticulosis associated with carcinoma of renal pelvis, Kenney PJ; Wasserman NF, *Urol Radiol* 1987; 9: 161
- Ureter, enlarged**
- ectopic ureter and ureterocele: their varied sonographic manifestations, Nussbaum AR; Dorst JP; Jeffs RD; Gearhart JP; Sanders RC, *Radiology* 1986; 159: 227
- giant obstructing calculus in the distal ureter secondary to obstruction by a ureterocele, Golomb J; Korczak D; Lindner A, *Urol Radiol* 1987; 9: 168
- prenatal and immediate postnatal ultrasonographic diagnosis of ureterocele, Fitzsimons PJ; Frost RA; Millward SF; et al, *J Canad Assoc Radiol* 1986; 37: 189
- primary non-obstructive megaureter in adults, Hamilton S; Fitzpatrick JM, *Clin Radiol* 1987; 38: 181
- prolapse of an ectopic ureterocele into both urethra and ipsilateral orthotopic ureter, Hochhauser L; Alton DJ, *Pediatr Radiol* 1986; 16: 167
- pseudoureteroceles following extracorporeal shock wave lithotripsy, Barber L; Amendola MA; Pollack HM; Van Arsdalen KN, *Radiology* 1988; 167: 397
- review of the ultrasonic appearances of posterior urethral valve and ureterocele, Cremin BJ, *Pediatr Radiol* 1986; 16: 357
- ureteral dilatation in children with febrile urinary tract infection or bacteriuria, Hellstrom M; Jodal U; Marild S; et al, *AJR* 1987; 148: 483
- Ureter, infection**
- early ureteric changes in *Schistosoma haematobium* infection, Hugosson CO; Olsen P, *Clin Radiol* 1986; 37: 501
- Ureter, injuries**
- traumatic avulsion of the ureter: computed tomography correlation, Templeton PA; Mirvis SE; Whitley NO, *CT* 1988; 12: 159
- traumatic ureteropelvic disruption in the child, Reda EF; Lebowitz RL, *Pediatr Radiol* 1986; 16: 164
- Ureter, interventional procedure**
- acute ureteral obstruction as a complication of suprapubic catheterization, Borrero GO; Miller PR; Vora K; et al, *Urol Radiol* 1987; 9: 171
- antegrade transluminal dilatation of benign ureteral strictures: long-term results, Lang EK; Gloriosio LW III, *AJR* 1988; 150: 131
- antegrade ureteral stents: technical and catheter-related problems with polyethylene and polyurethane, Mitty HA; Dan SJ; Train JS, *Radiology* 1987; 165: 439

Ureter, interventional procedure

- balloon catheter dilation of ureteroenteric strictures: long-term results, Shapiro MJ; Banner MP; Amendola MA; Gordon RL; Pollack HM; Wein AJ, *Radiology* 1988; 168: 385
- continent urinary diversions: review of current surgical procedures and radiologic imaging, Amis ES Jr; Newhouse JH; Olsson CA, *Radiology* 1988; 168: 395
- controlled endoscopic retrieval of ectopic ureteral catheters using fluoroscopic guidance, (ab), Hezmal HP; Flechner SM; Sandler CM, *Radiology* 1986; 158: 569
- cope loop catheter for retrograde internal stenting of ureteroileal anastomotic strictures, van Schaik JP; Herrera MA; Vucinich JL; et al, *Urol Radiol* 1987; 9: 191
- Drury ureteral stent set: clinical experience in 25 patients, Rozenblit G; Tarasov E; Srur MF; Neithamer CD Jr; Summers EH; Sos TA, *Radiology* 1986; 160: 737
- elevated bladder pressure: a cause of apparent ureteral stent failure, Rackson ME; Mitty HA; Dan SJ; et al, *AJR* 1988; 151: 335
- experience with a new ureteral stent made of a biocompatible copolymer, Mitty HA; Rackson ME; Dan SJ; Train JS, *Radiology* 1988; 168: 557
- imaging of the Kock continent ileal urinary reservoir, Ralls PW; Barakos JA; Skinner DG; Boswell WD Jr; Radin DR; Colletti PM; Halls JM, *Radiology* 1986; 161: 477
- percutaneous antegrade indwelling silicone stent, (ab), Kahn RI, *Radiology* 1988; 169: 588
- percutaneous balloon dilation of ureteral strictures, Johnson CD; Oke EJ; Dunnick NR; et al, *AJR* 1987; 148: 181
- percutaneous dilation of ureteral strictures in renal transplant patients, Voegeli DR; Crummy AB; McDermott JC; Jensen SR, *Radiology* 1988; 169: 185
- percutaneously applied ureteral clips: treatment of vesicovaginal fistula, Darcy MD; Lund GB; Smith TP; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 819
- percutaneous management of the urological complications of renal transplantation, Voegeli DR; Crummy AB; McDermott JC; Jensen SR; Montague TL, *Radiographics* 1986; 6: 1007
- percutaneous ureterocystostomy and ureteroneocystostomy, Lang EK, *AJR* 1988; 150: 1065
- placement of ureteral stents by antegrade and retrograde techniques, Mitty HA; Train JS; Dan SJ, *Radiol Clin North Am* 1986; 24: 587
- retrograde ureteral catheterization via the ileal conduit, Applbaum YN; Diamond AB; Rappaport AS, *AJR* 1986; 146: 61
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JV; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- secondary ureteropelvic junction stricture: percutaneous dilation, Beckmann CF; Roth RA, *Radiology* 1987; 164: 365
- selected endourologic techniques, Gordon RL; Banner MP; Pollack HM, *Radiol Clin North Am* 1986; 24: 633
- shearing of percutaneous nephrostomy catheter during indwelling ureteral stent placement, Sussman SK; Oke EJ; Perlmutt LM; et al, *AJR* 1986; 147: 832
- stone formation as a complication of indwelling ureteral stents: report of 5 cases, (ab), Spirnack JP; Resnick MI, *Radiology* 1986; 158: 859
- transluminal dilation of ureteropelvic junction strictures, ureteral strictures, and strictures at ureteroneocystostomy sites, Lang EK, *Radiol Clin North Am* 1986; 24: 601
- universal stent introducer: simplified approach to antegrade ureteral stent insertion, Lee WF; Rich M, *AJR* 1986; 147: 830
- urinary diversion by using a percutaneous ureteral occlusion device, Sanchez R; Quinn SF; Morrisseau PM; et al, *AJR* 1988; 150: 1069
- urine-compatible polymer for long-term ureteral stenting, Cardella JF; Castaneda-Zuniga WR; Hunter DW; Hulbert JC; Amplatz K, *Radiology* 1986; 161: 313

- urologic complications following renal transplantation: role of interventional radiologic procedures, Bennett LN; Voegeli DR; Crummy AB; McDermott JC; Jensen SR; Sollinger HW, *Radiology* 1986; 160: 531
- use of the Amplatz introducer sheath to facilitate ureteral stent placement, Gray RR; St. Louis EL; Grosman H, *J Canad Assoc Radiol* 1987; 38: 120
- Ureter, neoplasms**
- antegrade ureteral stents: technical and catheter-related problems with polyethylene and polyurethane, Mitty HA; Dan SJ; Train JS, *Radiology* 1987; 165: 439
- asymptomatic woman with unilateral urothelial lesions, Nadel S; St. Amour TE; Kyriakos M, *Urol Radiol* 1987; 9: 57
- bilateral ureteric carcinoma, Daly BD; Grainger R; Butler MR, *Clin Radiol* 1988; 39: 330
- computed tomography of ureteral tumors, Kenney PJ; Stanley RJ, *JCAT* 1987; 11: 102
- diagnosis of ureteral stump transitional cell carcinoma by CT and MR imaging, Jaffe J; Friedman AC; Seidmon EJ; et al, *AJR* 1987; 149: 741
- inverted papilloma: an uncommon benign cause of a ureteral filling defect, Corkill M; Strigley J; Graham R; et al, *Urol Radiol* 1987; 9: 164
- long-term follow-up of the upper urinary tract for transitional cell carcinoma: how much is enough?, Pollack HM, *Radiology* 1988; 167: 871
- non-Hodgkin lymphoma of ureteral wall: CT findings, Chen HH; Panella JS; Rochester D; et al, *JCAT* 1988; 12: 157
- synchronous and metachronous transitional cell carcinoma of the urinary tract: prevalence, incidence, and radiographic detection, Yousem DM; Gatewood OMB; Goldman SM; Marshall FF, *Radiology* 1988; 167: 613
- ureteral and renal pelvic metastases from renal cell carcinoma, Mitty HA; Drollier MJ; Dikman SH, *Urol Radiol* 1987; 9: 16
- ureteral metastases—computed tomographic findings, Puech JL; Song MY; Joffe F; et al, *Eur J Radiol* 1987; 7: 103
- Ureter, obstruction**
- See Ureter, stenosis or obstruction
- Ureter, percutaneous drainage**
- See Ureter, interventional procedure
- Ureter, postoperative**
- percutaneous dilation of ureteral strictures in renal transplant patients, Voegeli DR; Crummy AB; McDermott JC; Jensen SR, *Radiology* 1988; 169: 185
- Ureter, radionuclide studies**
- potential pitfall of DMSA scintigraphy in patients with ureteral duplication, Wu F; Snow B; Taylor A Jr, *J Nucl Med* 1986; 27: 1154
- spontaneous perforation of the ureter diagnosed on technetium 99m DTPA excretory urography, Barasch E; Kashdan B; Rathore A, *Urol Radiol* 1988; 10: 107
- Ureter, reflux**
- detection of vesicoureteral reflux in the child, Lebowitz RL, *Invest Radiol* 1986; 21: 519
- familial vesicoureteral reflux: study of 16 families, Sirota L; Hertz M; Laufer J; et al, *Urol Radiol* 1986; 8: 22
- grading of reflux by radionuclide cystography, Zhang G; Day DL; Loken M; et al, *Clin Nucl Med* 1987; 12: 106
- intramural Teflon injection of the ureter for treatment of vesicoureteral reflux: sonographic appearance, Mann CI; Jequier S; Patrinquin H; et al, *AJR* 1988; 151: 543
- intra-renal reflux: new cause of medullary hyperchogenicity?, Diard F; Nicolau A; Bernard S, *Pediatr Radiol* 1987; 17: 154
- unusual encapsulated collection of urine (urinoma) in an infant with vesicoureteral reflux, Passas V; Vasilakos P; Brounizos E; et al, *Pediatr Radiol* 1987; 17: 422
- ureteral diameter in low-risk vesicoureteral reflux in infancy and childhood, Hellstrom M; Hjalmas K; Jacobsson B; et al, *Acta Radiol* 1986; 27: 77
- vesicoureteral reflux in asymptomatic siblings of patients with known reflux: radionuclide cystography, (ab), Van den Abbeele AD; Treves ST; Lebowitz RL; et al, *Radiology* 1987; 164: 296

Ureter, stenosis or obstruction

- abdominal aortic aneurysm with perianeurysmal fibrosis: demonstration of ureteric obstruction by computerized tomography, Gibson RN; Halliday A; Mansfield A, *Australas Radiol* 1988; 32: 149
- acute unilateral obstruction of ureter: disparity in divided renal function calculated from ¹³¹I-hippuran and ^{99m}Tc-DTPA renography, (ab), Rehling M; Lund JO; Möller ML; et al, *Radiology* 1988; 168: 293
- acute ureteral obstruction as a complication of suprapubic catheterization, Borrero GO; Miller PR; Vora K; et al, *Urol Radiol* 1987; 9: 171
- antegrade transluminal dilatation of benign ureteral strictures: long-term results, Lang EK; Giorio LW III, *AJR* 1988; 150: 131
- antegrade ureteral stents: technical and catheter-related problems with polyethylene and polyurethane, Mitty HA; Dan SJ; Train JS, *Radiology* 1987; 165: 439
- balloon catheter dilation of ureteroenteric strictures: long-term results, Shapiro MJ; Banner MP; Amendola MA; Gordon RL; Pollack HM; Wein AJ, *Radiology* 1988; 168: 385
- bilateral ureteral obstruction caused by a Foley balloon in a patient with a contracted bladder, Cuttino JT Jr; Clark RL, *AJR* 1987; 149: 1197
- clinical significance of sonography of the ureter, Egenger G; Furttschegger A, *Eur J Radiol* 1987; 7: 42
- complete and partial ureteral obstruction: evaluation of renal effects with P-31 MR spectroscopy and Tc-DMSA scintigraphy, Vigneron DB; Tzika AA; Hricak H; Price DC; Bretan P; Aboseif S; Müller S; James TL, *Radiology* 1988; 168: 645
- computed tomographic diagnosis of ureteral obstruction caused by a sloughed papilla, Andriole GL; Bahnsen RR, *Urol Radiol* 1987; 9: 45
- cope loop catheter for retrograde internal stenting of ureteroileal anastomotic strictures, van Schaik JP; Herrera MA; Vucinich JL; et al, *Urol Radiol* 1987; 9: 191
- distal ureteral obstruction complicating percutaneous nephrolithotomy, (ab), Culkin DJ; Wheeler JS Jr; Canning JR, *Radiology* 1988; 167: 293
- experience with a new ureteral stent made of a biocompatible copolymer, Mitty HA; Rackson ME; Dan SJ; Train JS, *Radiology* 1988; 168: 557
- improved localisation of the proximal end of antegrade ureteric stents, Nisbet AP, Br J Radiol 1987; 60: 589
- indwelling ureteral stents: percutaneous management of complications, LeRoy AJ; Williams HJ Jr; Segura JW; Patterson DE; Benson RC Jr, *Radiology* 1986; 158: 219
- intermittent hydronephrosis: unique feature of ureteropelvic junction obstruction caused by a crossing renal vessel, Evison G, *Radiology* 1986; 159: 283
- non-dilated obstructive acute renal failure: diagnostic procedures and therapeutic management, Maillet JP; Pelle-Francoz D; Laville M; Gay F; Pinet A, *Radiology* 1986; 160: 659
- non-dilated obstructive uropathy, Goldfarb CR; Ongseng F; Chokshi V, *Radiology* 1987; 162: 879
- non-dilated obstructive uropathy: percutaneous nephrostomy performed to reverse renal failure, Naidich JB; Rackson ME; Mossey RT; Stein HL, *Radiology* 1986; 160: 653
- non-dilated obstructive uropathy: reply, Naidich JB; Rackson ME; Stein HL; Mossey RT, *Radiology* 1987; 162: 879
- obstruction of the upper-pole moiety in renal duplication in adults: CT evaluation, Cronan JJ; Amis ES Jr; Zeman RK; Dorfman GS, *Radiology* 1986; 161: 17
- percutaneous balloon dilation of ureteral strictures, Johnson CD; Oke EJ; Dunnick NR; et al, *AJR* 1987; 148: 181
- percutaneous dilation of ureteral strictures in renal transplant patients, Voegeli DR; Crummy AB; McDermott JC; Jensen SR, *Radiology* 1988; 169: 185

- percutaneous management of benign ureteral strictures and fistulas, (ab), Chang R; Marshall FF; Mitchell S, *Radiology* 1987; 165: 884
- percutaneous pyeloplasty in children: experience in three patients, Towbin RB; Wackman J; Ball WS Jr, *Radiology* 1987; 163: 381
- posttreatment ureteral obstruction in invasive carcinoma of uterine cervix, Bahraasa F; Ampil F, *Int J Radiat Oncol Biol Phys* 1987; 13: 23
- renal dysplasia: sonographic findings, Sanders RC; Nussbaum AR; Soles K, *Radiology* 1988; 167: 623
- right periureteric venous ring detected by computed tomography, Sasaki K; Sano A; Imanaka K; et al, *JCAT* 1986; 10: 349
- secondary ureteropelvic junction stricture: percutaneous dilation, Beckmann CF; Roth RA, *Radiology* 1987; 164: 365
- sonographic analysis of the fetus with ureteropelvic junction obstruction, Kleiner B; Callen PW; Filly RA, *AJR* 1987; 148: 359
- transluminal dilatation of ureteropelvic junction strictures, ureteral strictures, and strictures at ureteroneocystostomy sites, Lang EK, *Radiol Clin North Am* 1986; 24: 601
- ureteropelvic junction stenosis: antenatal ultrasonographic diagnosis, postnatal investigation, and follow-up, Grignon A; Filiatrou D; Homsy Y; Robitaille P; Filion R; Boutin H; Leblond R, *Radiology* 1986; 160: 649
- urographic appearances of ureteric obstruction secondary to bladder carcinoma, Elliott S; Davies P, *Clin Radiol* 1986; 37: 495
- Ureter, stone extraction**
- direct percutaneous ureterolithotomy, Smith TP; Hunter DW; Hulbert JC; et al, *AJR* 1987; 148: 617
- percutaneous nephrostolithotomy and lithotripsy: multi-institutional survey of complications, Lang EK, *Radiology* 1987; 162: 25
- percutaneous removal of renal and ureteral calculi: experience with 400 cases, (ab), Reddy PK; Hulbert JC; Lange PH; et al, *Radiology* 1986; 158: 859
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- upper and midureteral calculi: percutaneous extraction with an occlusion balloon catheter, Beckmann CF; Roth RA; Luedke MD, *Radiology* 1986; 159: 643
- ureteral calculi: percutaneous removal using modified basket extractors and fluoroscopy, Hare WSC, *Radiology* 1986; 160: 189
- ureteral stone management: emerging concepts, (ab), Lingeman JE; Sonda LP; Kohneski RJ; et al, *Radiology* 1986; 161: 859
- Ureter, surgery**
- Cohen ureteral reimplantation: sonographic appearance, Mezzacappa PM; Price AP; Kassner EG; Haller JO; Glassberg KL, *Radiology* 1987; 165: 851
- continent urinary diversions: review of current surgical procedures and radiologic imaging, Amis ES Jr; Newhouse JH; Olsson CA, *Radiology* 1988; 168: 395
- imaging of the Kock continent ileal urinary reservoir, Ralls PW; Barakos JA; Skinner DG; Boswell WD Jr; Radin DR; Colletti PM; Halls JM, *Radiology* 1986; 161: 477
- Ureter, US studies**
- clinical significance of sonography of the ureter, Egger G; Furttschegger A, *Eur J Radiol* 1987; 7: 42
- Cohen ureteral reimplantation: sonographic appearance, Mezzacappa PM; Price AP; Kassner EG; Haller JO; Glassberg KL, *Radiology* 1987; 165: 851
- distal ureteral calculi: diagnosis by transrectal sonography, Lerner RM; Rubens D, *AJR* 1986; 147: 1189
- ectopic ureter and ureterocele: their varied sonographic manifestations, Nussbaum AR; Dorst JP; Jeffs RD; Gearhart JP; Sanders RC, *Radiology* 1986; 159: 227
- prenatal and immediate postnatal ultrasonographic diagnosis of ureterocele, Fitzsimons PJ; Frost RA; Millward SF; et al, *J Canad Assoc Radiol* 1986; 37: 189
- retrocaval ureter: computed tomography and ultrasound appearance, Murphy BJ; Casillas J; Becerra JL, *CT* 1987; 11: 89
- review of the ultrasonic appearances of posterior urethral valve and ureteroceles, Cremin BJ, *Pediatr Radiol* 1986; 16: 357
- role of radiology in extracorporeal shock wave therapy, Kellum CD; Tegtmeyer CJ; Jenkins AD; Barr JD; Gillenwater JY; Wyker AW; Lippert MC, *Radiology* 1987; 165: 431
- ultrasound findings in urolithiasis in the lower ureter, Ohnishi K; Watanabe H; Ohe H; et al, *Ultrasound Med Biol* 1986; 12: 577
- ureteropelvic junction stenosis: antenatal ultrasonographic diagnosis, postnatal investigation, and follow-up, Grignon A; Filiatrou D; Homsy Y; Robitaille P; Filion R; Boutin H; Leblond R, *Radiology* 1986; 160: 649
- Ureterocele**
- See Ureter, enlarged
- Urethra**
- See also Genitourinary system
- artificial urinary sphincters: radiographic evaluation, Lorentzen T; Dorph S; Hald T, *Acta Radiol* 1987; 28: 63
- Urethra, abnormalities**
- duplication of the urethra with communication to the rectum: report of a case, Bruce R; Alton D, *Pediatr Radiol* 1986; 16: 79
- posterior urethral valves: update and review, Macpherson RI; Leithiser RE Jr; Gordon L; Turner WR, *Radiographics* 1986; 6: 753
- spinning top urethra: not a normal variant, Saxton HM; Borzyskowski M; Mundy AR; Vivian GC, *Radiology* 1988; 168: 147
- urethral disease and interventional cystourethrography, McCallum RW, *Radiol Clin North Am* 1986; 24: 651
- Urethra, diverticula**
- sonographic appearance of urethral diverticulum in the male, Kauzlaric D; Barmer E; Peyer P; et al, *J Ultrasound Med* 1988; 7: 107
- unexpected anterior urethral diverticula, Smith SEW, *Clin Radiol* 1986; 37: 55
- Urethra, interventional procedure**
- balloon dilatation of urethral strictures, (ab), Daughtry JD; Rodan BA; Bean WJ, *Radiology* 1988; 168: 588
- benign prostatic hypertrophy: retrograde transurethral dilation of the prostatic urethra in humans: work in progress, Castaneda F; Reddy PK; Wasserman N; Hulbert JC; Lund GB; Letourneau JG; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 649
- prostatic urethra: experimental dilation in dogs, Castaneda F; Lund GB; Larson BW; Limas E; Urness M; Reddy PK; Wasserman N; Hulbert JC; Hunter DW; Castaneda-Zuniga WR; Amplatz K, *Radiology* 1987; 163: 645
- Urethra, neoplasms**
- congenital urethral polyp, Caro PA; Rosenberg HK; Snyder HM III, *AJR* 1986; 147: 1041
- Urethra, obstruction**
- See Urethra, stenosis or obstruction
- Urethra, radiography**
- radiology of male periurethral strictures, Amis ES Jr; Newhouse JH; Cronan JJ, *AJR* 1988; 151: 321
- urethral disease and interventional cystourethrography, McCallum RW, *Radiol Clin North Am* 1986; 24: 651
- Urethra, stenosis or obstruction**
- balloon catheter dilatation of urethral strictures, Mohammed SH; Wirima J, *AJR* 1988; 150: 327
- balloon dilatation of urethral strictures, (ab), Daughtry JD; Rodan BA; Bean WJ, *Radiology* 1988; 168: 588
- effect of prior transurethral resection of the prostate on post radiation urethral strictures and bladder neck contractures, Seymour CH; El-Mahdi AM; Schellhammer FF, *Int J Radiat Oncol Biol Phys* 1986; 12: 1597
- posterior urethral obstruction: prenatal sonographic findings and clinical outcome in fourteen cases, Hayden SA; Russ PD; Pretorius DH; et al, *J Ultrasound Med* 1988; 7: 371
- renal dysplasia: sonographic findings, Sanders RC; Nussbaum AR; Soles K, *Radiology* 1988; 167: 623
- sonographic diagnosis of an obstructing urethral calculus, Bundy AL; Litwin M; Gluck CL, *J Ultrasound Med* 1988; 7: 523
- sonourethrography in the evaluation of urethral strictures: a preliminary report, (ab), McAninch JW; Laing FC; Jeffrey RB Jr, *Radiology* 1988; 168: 588
- ultrasound diagnosis of a prostatic cyst causing acute urinary retention, Hamilton S; Fitzpatrick JM, *J Ultrasound Med* 1987; 6: 385
- urethroplasty with balloon catheter in prostatic hypertrophy, Castaneda F; Johnson S; Hulbert JC; et al, *AJR* 1987; 149: 313
- Urethra, US studies**
- appearances on ultrasound of the female urethral sphincter, de Gonzalez EL; Cosgrove DO; Joseph AE; et al, *Br J Radiol* 1988; 61: 687
- review of the ultrasonic appearances of posterior urethral valve and ureteroceles, Cremin BJ, *Pediatr Radiol* 1986; 16: 357
- screening of the bladder base and urethra using linear array transrectal ultrasound scanning, Richmond DH; Sutherst JR; Brown MC, *JCU* 1986; 14: 647
- sonographic appearance of urethral diverticulum in the male, Kauzlaric D; Barmer E; Peyer P; et al, *J Ultrasound Med* 1988; 7: 107
- sonographic diagnosis of an obstructing urethral calculus, Bundy AL; Litwin M; Gluck CL, *J Ultrasound Med* 1988; 7: 523
- sonourethrography in the evaluation of urethral strictures: a preliminary report, (ab), McAninch JW; Laing FC; Jeffrey RB Jr, *Radiology* 1988; 168: 588
- ultrasonographic detection of false passages arising from the posterior urethra in spinal cord injury patients, (ab), Perkash I; Friedland GW, *Radiology* 1987; 165: 589
- ultrasonography in urinary incontinence, (ab), Bhatia NN; Ostergard DR; McQuown D, *Radiology* 1987; 164: 589
- Urethra, valves**
- posterior urethral valves: update and review, Macpherson RI; Leithiser RE Jr; Gordon L; Turner WR, *Radiographics* 1986; 6: 753
- review of the ultrasonic appearances of posterior urethral valve and ureteroceles, Cremin BJ, *Pediatr Radiol* 1986; 16: 357
- Urine**
- can transabdominal ultrasound estimation of postvoiding residual (PVR) replace catheterization?, (ab), Roehrborn CG; Peters PC, *Radiology* 1988; 169: 882
- general case of the day: annual meeting, 1987, Neal MP Jr, *Radiographics* 1988; 8: 993
- ³¹H NMR studies of urine during fasting: excretion of ketone bodies and acetylcarnitine, Bales JR; Bell JD; Nicholson JK; et al, *Magn Res Med* 1986; 3: 849
- proton MR properties of lyophilized urine samples from normal and stone former individuals, Azouzy R; Abrashkin S; Weininger J; et al, *Magn Res Imag* 1988; 6: 49
- proton T1 relaxation time of normal and abnormal urine, Alanan A; Nummi P; Korman M; et al, *Acta Radiol* 1987; 28: 601
- significance of urinary extravasation during renal colic, (ab), Chapman JP; Gonzalez J; Diokno AC, *Radiology* 1988; 167: 885
- Urine, extravasation**
- pyelolus extravasation and urinoma associated with malignancy: computed tomography demonstration, (ab), Rose BS; Ragozin R; LaRosa JL; et al, *Radiology* 1988; 169: 588
- significance of urinary extravasation during renal colic, (ab), Chapman JP; Gonzalez J; Diokno AC, *Radiology* 1988; 167: 885
- urine extravasation into the scrotum, Noel AW; Velchik MG, *J Nucl Med* 1986; 27: 807
- urine leaks after renal transplantation: value of percutaneous pyelography and drainage for diagnosis and treatment, Smith TP; Hunter DW; Letourneau JG; et al, *AJR* 1988; 151: 511

Urine, extravasation

varied presentation of urinary extravasation detected on bone imaging, Slavin JD Jr, Peracha H; Spencer RP, Clin Nucl Med 1987; 12: 890

Urine, incontinence

artificial urinary sphincters: plain radiography of malfunction and complications, Rose SC; Hansen ME; Webster GD; Zakrzewski C; Cohan RH; Dunnick NR, Radiology 1988; 168: 403

artificial urinary sphincters: radiographic evaluation, Lorentzen T; Dorph S; Hald T, Acta Radiol 1987; 28: 63

evaluation of the excretory urogram in adult enuresis, Libson E; Bloom RA; Dinari G, Clin Radiol 1986; 37: 287

ultrasonic evaluation of urethrovaginal junction in women with stress urinary incontinence, Bergman A; Ballard CA; Platt LD, JCU 1988; 16: 295

ultrasonography in urinary incontinence, (ab), Bhatia NN; Ostergard DR; McQuown D, Radiology 1987; 164: 589

Urine, reflux

urinary tract infection in children: putting radiology in its place, Lebowitz RL; Mandell J, Radiology 1987; 165: 1

Urinoma

management of urinomas by percutaneous drainage procedures, Lang EK; Glorioso LW III, Radiol Clin North Am 1986; 24: 551

pyelosis extravasation and urinoma associated with malignancy: computed tomography demonstration, (ab), Rose BS; Ragoin R; LaRosa JL; et al, Radiology 1988; 169: 588

radiologic management of fluid collections in children, Gaisie G; Jacques PF; Mauro MA, Pediatr Radiol 1987; 17: 143

septated urinomas in the neonate, Feinstein KA; Fernbach SK, AJR 1987; 149: 997

unusual encapsulated collection of urine (urinoma) in an infant with vesicoureteral reflux, Passas V; Vasilakos P; Brountzos E; et al, Pediatr Radiol 1987; 17: 422

urinoma and arterial hypertension complicating neonatal renal candidiasis, Sirinelli D; Bionetti V; Schmit P; et al, Pediatr Radiol 1987; 17: 156

urinoma detected by dual isotope renogram-cystogram, Baker AL; Cowan RJ; Assimos DG, Clin Nucl Med 1987; 12: 258

Urography

abnormal nephrogram pattern as an adverse reaction to contrast material: case report, van Weelde BJG; Bakkers JTN, Eur J Radiol 1987; 7: 70

antegrade pyelography: therapeutic applications, Fritzsche P, Radiol Clin North Am 1986; 24: 573

assessment of prostatism: role of intravenous urography, Wasterman NF; Lapointe S; Eckmann DR; Rosel PR, Radiology 1987; 165: 831

comparison of real-time ultrasonography with intravenous urography in the follow-up of patients with spinal cord injury, Morcos SK; Thomas DG, Clin Radiol 1988; 39: 49

dehydration, antidiuretic hormone and the intravenous urogram, Trewhella M; Forsling M; Rickards D; et al, Br J Radiol 1987; 60: 445

detection of renal masses: sensitivities and specificities of excretory urography/linear tomography, US, and CT, Warshaw DM; McCarthy SM; Street L; Bookbinder MJ; Glickman MG; Richter J; Hammers L; Taylor C; Rosenfield AT, Radiology 1988; 169: 363

diagnostic morphologic and urodynamic antegrade pyelography, Pfister RC; Papanicolaou N; Yoder IC, Radiol Clin North Am 1986; 24: 561

diagnostic role of intravenous urography in acute and chronic renal failure, Keeton GR; Pillay GP, Urol Radiol 1986; 8: 72

digital urography using stimulative phosphor: an experimental study in the rabbit, Pettersson H; Aspelin P; Boijesen E, Acta Radiol 1988; 29: 273

diuresis renography 8 years later: update, (ab), O'Reilly PH, Radiology 1987; 163: 589

evaluation of the excretory urogram in adult enuresis, Libson E; Bloom RA; Dinari G, Clin Radiol 1986; 37: 287

evaluation of the post-micturition radiograph following intravenous urography, Morewood DJW; Scally JK, Clin Radiol 1986; 37: 499

evaluation of the role of the intravenous urogram in the management of patients with epididymo-orchitis, Cooke DJ; Williams CE; Fowler RC, Clin Radiol 1987; 38: 255

excretory urography in patients with prostatism, Bundrick TJ; Katz PG, AJR 1986; 147: 957

excretory urography in the emergency department: utility of teleradiology, DiSantis DJ; Cramer MS; Scatarige JC, Radiology 1987; 164: 363

high-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent, Spataro RF; Katzberg RW; Fischer HW; McMannis MJ, Radiology 1987; 162: 9

image quality, diagnostic certainty, and accuracy: comparison of conventional and digital urograms, Fajardo LL; Hillman BJ, Urol Radiol 1988; 10: 72

intravenous urographic technique, Hattery RR; Williamson B; Hartman GW; LeRoy AJ; Witten DM, Radiology 1988; 167: 593

intravenous urography and voiding cystoureterography in northern Norway: retrospective study, Pedersen HK; Pape JF; Gudmundsen TE; et al, Pediatr Radiol 1986; 16: 472

is ureteric compression still necessary?, Mawhinney RR; Gregson RHS, Clin Radiol 1987; 38: 179

myths and misconceptions in urology, Saxton H, Clin Radiol 1988; 39: 361

percutaneous studies of the upper urinary tract in children, with special emphasis on infants, Riedy MJ; Lebowitz RL, Radiology 1986; 160: 231

response of patients to informed consent for excretory urography, Winfield AC; Ford CV; James AE Jr; et al, Urol Radiol 1986; 8: 35

role of preoperative intravenous pyelogram in operations performed for carcinoma of the colon and rectum, (ab), Tartert PJ; Steinberg BM, Radiology 1987; 162: 290

role of routine intravenous urography in patients with primary hyperparathyroidism, Hine AL; Heron CW; Thakker RV; et al, Clin Radiol 1987; 38: 411

routine urography in men with prostatism, Talner LJ, AJR 1986; 147: 960

spontaneous and traumatic rupture of renal cysts: diagnosis and outcome, Papanicolaou N; Pfister RC; Yoder IC, Radiology 1986; 160: 99

tomographic levels for intravenous urography: CT-determined guidelines, Rhodes RA; Fried AM; Lorman JC; Kryacio RJ, Radiology 1987; 163: 673

ultrasonography versus excretory urography: value in urological disease, Aslaksen A; Göthlin JH, Eur J Radiol 1988; 8: 179

undiversion of the urinary tract: the pre- and postoperative evaluation, Fernbach SK; Holland EA, Radiographics 1988; 8: 213

upper urinary tract: pyelography and interventional procedures, Thomsen HS; Dorph S, Acta Radiol 1987; 28: 129

"upside-down" contrast-urine level in glycosuria: CT features, Savit RM; Udis DS, JCAT 1987; 11: 911

urography and voiding cystourethrography: findings in girls with urinary tract infection, Bisset GS III; Strife JL; Dunbar JS, AJR 1987; 148: 479

Wilms' tumour: ultrasound and changing concepts, Cremin BJ, Clin Radiol 1987; 38: 465

Urography, complications

adverse reactions during intravenous urography: are these due to histamine release?, Herd CM; Robertson AR; Frewin DB; et al, Br J Radiol 1988; 61: 5

delayed reactions to urographic contrast media, Panto PN; Davies P, Br J Radiol 1986; 59: 41

ECG abnormalities during excretory urography: the effect of stress, Mindell HJ; Gibson TC, AJR 1988; 150: 1327

fatal acute vasculitis after high-dose urography with iohexol, Goodfellow T; Holdstock GE; Brunton FJ; et al, Br J Radiol 1986; 59: 620

urinary protein profiles following urography with iohalamate: a preliminary report, Skarup P; Thomsen HS, Acta Radiol 1987; 28: 335

Urography, contrast media

clinical intravenous urography: comparative trial of ioxaglate and iopamidol, Loughran CF, Radiology 1986; 161: 455

comparative effects of nonionic (iopamidol) and ionic (sodium and meglumine diatrizoate) contrast media for urography on urinary excretion of water and solutes, Caribotto G; Saffioti S; Garlaschi G; et al, Urol Radiol 1986; 8: 199

comparison of the image quality of intravenous urograms using low-osmolar contrast media, Kaye B; Howard J; Foord KD; et al, Br J Radiol 1988; 61: 589

comparison of two strengths of iohexol and iohalamate in urography, Davies P; Graves J; Panto PN; et al, Urol Radiol 1987; 9: 30

estimating kidney function during urography: comparison of contrast medium clearance and simultaneous ⁵¹Cr-EDTA clearance, Sjöberg S; Hellsten S; Almén T; et al, Acta Radiol 1987; 28: 587

evaluation of iopamidol and diatrizoate in excretory urography: a double-blind clinical study, Cochran ST; Ballard JW; Katzberg RW; et al, AJR 1988; 151: 523

examination of the nephrographic potential of iohexol by computed tomography, Evill CA; Wilcox J; Hassam RM; et al, Invest Radiol 1988; 23: 216

excretory urography with iohexol: evaluation in children, Magill HL; Clarke EA; Fitch SJ; Boulden TF; Ramirez R; Siegle RL; Somes GW, Radiology 1986; 161: 625

experiences with iohexol (Omnipaque) at urography, Fjellidal A; Nordstus T; Eriksson J, Pediatr Radiol 1987; 17: 491

heating contrast media in a microwave oven, Halsell RD, Radiology 1987; 163: 279

heating contrast media: role in contemporary angiography, Halsell RD, Radiology 1987; 164: 276

high- and low-osmolar contrast agents in urography: comparison of the appearances with respect to pyelotubular opacification and renal length, Whitehouse RW, Clin Radiol 1986; 37: 395

high-dose clinical urography with the low-osmolality contrast agent Hexabrix: comparison with a conventional contrast agent, Spataro RF; Katzberg RW; Fischer HW; McMannis MJ, Radiology 1987; 162: 9

low dose low osmolar intravenous urography, Eyes BE; Goldman M; Nixon TE; et al, Clin Radiol 1987; 38: 403

low dose urography with a low osmolar contrast medium, Bjork L; Zackrisson BF, Acta Radiol 1986; 27: 111

new and old contrast agents: pharmacology, tissue opacification, and excretory urography, Spataro RF, Urol Radiol 1988; 10: 2

new and old contrast agents: physiology and nephrotoxicity, Katzberg RW, Urol Radiol 1988; 10: 6

nonionic versus ionic contrast media in intravenous urography: clinical trial in 1,000 consecutive patients, Jacobson BF; Jorulf H; Kalantar MS; Narasimham DL, Radiology 1988; 167: 601

old and new: study of five contrast media for urography, (ab), Davies P; Panto PN; Buckley J; et al, Radiology 1986; 158: 859

quality of urograms in infants: a comparison of sodium diatrizoate, metrizamide and iohexol, Rawlinson J; Hyde I; Williams J, Br J Radiol 1988; 61: 592

renal function measured by x-ray fluorescence analysis: a comparison between contrast medium clearance and non-simultaneous ⁵¹Cr-EDTA clearance, Boijesen M; Jacobsson L; Tylen U, Acta Radiol 1987; 28: 581

Renografin-60 for urography: effect on serum electrolytes and proteins in adults, Olutola PS; Hutton L; Karlik S; et al, AJR 1986; 147: 839

- urinary protein profiles following urography with iothalamate: a preliminary report, Skaarup P; Thomsen HS, *Acta Radiol* 1987; 28: 335
- urography with a low osmolality contrast agent: comparison of Hexabrix with Conray 325, McClellan BL; Ling D; Rholl KS; et al, *Invest Radiol* 1986; 21: 144
- Urography, radiation dose**
- ovarian radiation dose during dynamic cystourethrography using videorecording and photofluorography, Westby M; Sandbu J; Jahren R; et al, *Acta Radiol* 1986; 27: 55
- Urography, technology**
- excretory urography using computed radiography, Fajardo LL; Hillman BJ; Hunter TB; Claypool HR; Westerman BR; Mockbee B, *Radiology* 1987; 162: 345
- intravenous urography in children and youth, Pedersen HK; Gudmundsen TE; Ostensen H; et al, *Pediatr Radiol* 1987; 17: 463
- Urokinase**
- acute peripheral arterial and graft occlusion: treatment with selective infusion of urokinase and lysis plasminogen, Pernes JM; Vitoux JP; Brenoit P; Raynaud A; Parola JL; Roth JP; Angel CY; Fiessinger JN; Roncato M; Gaux JC, *Radiology* 1986; 158: 481
- acute renal vein thrombosis: successful treatment with intraarterial urokinase, Vogelzang RL; Moel DI; Cohn RA; Donaldson JS; Langman CB; Nemcek AA Jr, *Radiology* 1988; 169: 681
- embolization of cardiac mural thrombus: complication of intraarterial fibrinolysis, Paulson EK; Miller FJ, *Radiology* 1986; 168: 95
- fibrinolysis with intrathrombotic injection of urokinase and tissue-type plasminogen activator: results in a new model of subacute venous thrombosis, Valji K; Bookstein JJ, *Invest Radiol* 1987; 22: 23
- fibrinolytic therapy, Klatte EC; Becker GJ; Holden RE; Yune HY, *Radiology* 1986; 159: 619
- intraarterial fibrinolysis: in vitro and prospective clinical evaluation of three thrombolytic agents, Pilger E; Lammer J; Bertuch H; Steiner H, *Radiology* 1986; 161: 597
- intraarterial fibrinolysis: long-term results, Lammer J; Pilger E; Neumayer K; Schreyer H, *Radiology* 1986; 161: 159
- intraarterial fibrinolytic therapy for popliteal and tibial artery obstruction: comparison of streptokinase and urokinase, Traugott PD; Cook PS; Micklos TJ; et al, *AJR* 1987; 149: 453
- peripheral arterial occlusions: a 6-year experience with local low-dose thrombolytic therapy, Hess H; Miaschke A; Bruckl R, *Radiology* 1987; 163: 753
- selective thrombolysis with low-dose urokinase in chronic arteriosclerotic obstructions, Lupattelli L; Barzi F; Corneli P; et al, *Cardiovasc Intervent Radiol* 1988; 11: 123
- streptokinase, urokinase, and tissue plasminogen activator: pharmacokinetics, relative advantages, and methods for maximizing rates and consistency of lysis, Maizel AS; Bookstein JJ, *Cardiovasc Intervent Radiol* 1986; 9: 236
- technique and results of "higher-dose" infusion, McNamara T, *Cardiovasc Intervent Radiol* 1988; 11: 548
- technique and results of "low-dose" infusion, Katzen BT, *Cardiovasc Intervent Radiol* 1988; 11: 541
- urokinase in gastrointestinal tract bleeding, Glickerman DJ; Kowdley KV; Rosch J, *Radiology* 1988; 168: 375
- urokinase versus streptokinase in local thrombolysis, van Breda A; Katzen BT; Deutsch AS, *Radiology* 1987; 165: 109
- Urolithiasis**
- See Genitourinary system, calculi
- Uterine neoplasms**
- absence of prognostic significance, peritoneal dissemination and treatment advantage in endometrial cancer patients with positive peritoneal cytology, Konaki A; Poulter C; Keys H; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 49
- association of a gravid uterus with a myoma: a case report, Meher C; William RR; Reddy RG, *Australas Radiol* 1987; 31: 68
- case report: primary malignant melanoma of the uterine cervix, Owens OJ; Pollard K; Khoury GG; et al, *Clin Radiol* 1988; 39: 336
- embolic management of rare hemorrhagic gynecologic and obstetrical conditions, Vujic I; Stanley JH; Gobien RP; et al, *Cardiovasc Intervent Radiol* 1986; 9: 69
- influence of pelvic lymph node disease on survival for stage I and II carcinoma of the cervix, Alcock CJ; Toplis PJ, *Clin Radiol* 1987; 38: 13
- intercapillary distance measurement as an indicator of hypoxia in carcinoma of the cervix uteri, Awward HK; el Naggar M; Mocktar N; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 1329
- mediastinal and hilar lymphadenopathy as the only manifestation of metastatic carcinoma of the cervix, Scott I; Bergin CJ; Müller NL, *J Canad Assoc Radiol* 1986; 37: 52
- prognostically favorable "mitotically active" smooth-muscle tumors of the uterus: a clinicopathologic study of ten cases, (ab), Perrone T; Dehner LP, *Radiology* 1988; 167: 588
- uterine cervical cancer: assessment with high-field MR imaging, Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Nakano Y; Itoh H; Torizuka K; Ozasa H; Mori T, *Radiology* 1986; 160: 431
- value of lymphography in the management of carcinoma of the cervix, Smales E; Perry CM; MacDonald JS; et al, *Clin Radiol* 1986; 37: 19
- Uterine neoplasms, CT**
- computed tomography and lymphography in the presurgical staging of early carcinoma of the uterine cervix, (ab), Vercamer R; Janssens J; Usewils R; et al, *Radiology* 1988; 167: 293
- computed tomography in the evaluation of lymphoma of the uterine cervix, Miketic LM; Carroll R; Harris NL; et al, *CT* 1988; 12: 154
- CT diagnosis of uterine lipoma, Jacobs JE; Markowitz SK, *AJR* 1988; 150: 1335
- CT evaluation of myometrium invasion in endometrial carcinoma, Dore R; Moro G; D'Andrea F; et al, *JCAT* 1987; 11: 282
- CT in gynecologic pelvic diseases, Sawyer RW; Walsh JW, *Semin US CT MR* 1988; 9: 122
- cystic pedunculated leiomyomas of the uterus with unusual CT manifestations, Togashi K; Nishimura K; Nakano Y; et al, *JCAT* 1986; 10: 642
- malignant gestational trophoblastic disease: CT findings, Sanders C; Rubin E, *AJR* 1987; 148: 165
- role of abdominal computed tomography in the assessment of patients with malignant tumours of the cervix and body of the uterus, Page JE; Constant O; Parsons C, *Clin Radiol* 1988; 39: 273
- ultrasound and computed tomographic findings in aggressive angiosarcoma of the uterine cervix, Yaghoobian J; Zinn D; Ramanathan K; et al, *J Ultrasound Med* 1987; 6: 209
- Uterine neoplasms, diagnosis**
- adenomyosis and leiomyoma: differential diagnosis with MR imaging, Mark AS; Hricak H; Heinrichs LW; Hendrickson MR; Winkler ML; Bachica JA; Stickler JE, *Radiology* 1987; 163: 527
- gestational trophoblastic neoplasia: diagnosis with Doppler US, Taylor KJW; Schwartz PE; Kohorn EI, *Radiology* 1987; 165: 445
- intracardiac extension of intravenous leiomyomatosis, Kaszar-Seibert DJ; Gauvin GP; Rogoff PA; Vittimberga FJ; Margolis S; Hilgenberg AD; Saal DK; Goldsmith GO, *Radiology* 1988; 168: 409
- recurrence of ovarian and uterine neoplasms: diagnosis with transectal US, Squilacci E; Salzani MC; Grandinetti ML; Aufermann W; Marsella A; Maresca G; Colagrande C, *Radiology* 1988; 169: 355
- Uterine neoplasms, metastases**
- metastatic uterine cervical cell carcinoma to myocardium, Antico VF; Hands ME; Lloyd BL, *Clin Nucl Med* 1986; 11: 131
- radiation therapy of periaortic node metastases in cancer of the uterine cervix and endometrium, Potish RA, *Radiology* 1987; 165: 567
- skeletal metastases from cancer of the uterine cervix: frequency, patterns, and radiotherapeutic significance, Kim RY; Weppelmann B; Salter MM; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 705
- tumor size in endometrial cancer: a prognostic factor for lymph node metastasis, (ab), Schink JC; Lurain JR; Wallemark CB; et al, *Radiology* 1988; 166: 293
- Uterine neoplasms, MR studies**
- adenomyosis and leiomyoma: differential diagnosis with MR imaging, Mark AS; Hricak H; Heinrichs LW; Hendrickson MR; Winkler ML; Bachica JA; Stickler JE, *Radiology* 1987; 163: 527
- endometrial carcinoma staging by MR imaging, Hricak H; Stern JL; Fisher MR; Shapero LG; Winkler ML; Lacey CG, *Radiology* 1987; 162: 297
- gestational trophoblastic neoplasm of the uterus: MR assessment, Hricak H; Demas BE; Braga CA; Fisher MR; Winkler ML, *Radiology* 1986; 161: 11
- invasive cervical carcinoma: comparison of MR imaging and surgical findings, Hricak H; Lacey CG; Sandles LC; Chang YCF; Winkler ML; Stern JL, *Radiology* 1988; 166: 623
- magnetic resonance tomography of the pelvis, Smith FW, *Cardiovasc Intervent Radiol* 1986; 9: 367
- modifications of relaxation times induced by radiation therapy in cervical carcinoma: preliminary results, Santoni R; Buccolini M; Cionini L; et al, *Clin Radiol* 1987; 38: 569
- MRI in staging of endometrial and cervical carcinoma, Javitt MCF; Stein HL; Lovecchio JL, *Magn Res Imag* 1987; 5: 83
- MR imaging of uterine cervical carcinoma, Waggenspack GA; Amparo EG; Hannigan EV, *JCAT* 1988; 12: 409
- MRI of cervical carcinoma, Waggenspack GA; Amparo EG; Hannigan EV; et al, *Semin US CT MR* 1988; 9: 158
- role of MR imaging in staging of cervical carcinoma, Lee JKT, *Radiology* 1988; 166: 895
- uterine cervical cancer: assessment with high-field MR imaging, Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Nakano Y; Itoh H; Torizuka K; Ozasa H; Mori T, *Radiology* 1986; 160: 431
- uterine leiomyomas: correlation of MR, histopathologic findings, and symptoms, Hricak H; Tacholakkoff D; Heinrichs L; Fisher MR; Doms GC; Reinhold C; Jaffe RB, *Radiology* 1986; 158: 385
- uterine leiomyomas in the infertile patient: preoperative localization with MR imaging versus US and hysterolaparoscopy, Dudiak CM; Turner DA; Patel SK; Archie JT; Silver B; Norriss M, *Radiology* 1988; 167: 627
- uterine neoplasms: MR imaging, Worthington JL; Balfe DM; Lee JKT; Gersell DJ; Heiken JP; Ling D; Glazer HS; Jacobs AJ; Kao MS; McClellan BL, *Radiology* 1986; 159: 725
- Uterine neoplasms, radionuclide studies**
- technetium-99m DTPA uptake in uterine leiomyoma, El-Gazzar AH; Mahmoud AR; Abdel-Dayem HM, *Clin Nucl Med* 1988; 13: 29
- Uterine neoplasms, staging**
- computed tomography and lymphography in the presurgical staging of early carcinoma of the uterine cervix, (ab), Vercamer R; Janssens J; Usewils R; et al, *Radiology* 1988; 167: 293
- CT evaluation of myometrium invasion in endometrial carcinoma, Dore R; Moro G; D'Andrea F; et al, *JCAT* 1987; 11: 282
- endometrial carcinoma staging by MR imaging, Hricak H; Stern JL; Fisher MR; Shapero LG; Winkler ML; Lacey CG, *Radiology* 1987; 162: 297
- invasive cervical carcinoma: comparison of MR imaging and surgical findings, Hricak H; Lacey CG; Sandles LC; Chang YCF; Winkler ML; Stern JL, *Radiology* 1988; 166: 623
- MRI in staging of endometrial and cervical carcinoma, Javitt MCF; Stein HL; Lovecchio JL, *Magn Res Imag* 1987; 5: 83

Uterine neoplasms, staging

- myometrial invasion by endometrial carcinoma: sonographic assessment. Fleischer AC; Dudley BS; Entman SS; Baxter JW; Kaleris GC; James AE Jr. *Radiology* 1987; 162: 307
- role of MR imaging in staging of cervical carcinoma. Lee JKT. *Radiology* 1988; 166: 895
- stage IB cervical carcinoma: comparison of clinical, MR, and pathologic staging. Rubens D; Thornbury JR; Angel C; et al. *AJR* 1988; 150: 135
- uterine body carcinoma: staging anomaly. Bond WH; Mould J. *Clin Radiol* 1986; 37: 571
- uterine cervical cancer: assessment with high-field MR imaging. Togashi K; Nishimura K; Itoh K; Fujisawa I; Asato R; Nakano Y; Itoh H; Torizuka K; Ozasa H; Mori T. *Radiology* 1986; 160: 431
- uterine neoplasms: MR imaging. Worthington JL; Balfe DM; Lee JKT; Gersell DJ; Heiken JP; Ling D; Glazer HS; Jacobs AJ; Kao MS; McClennan BL. *Radiology* 1986; 159: 725
- ### Uterine neoplasms, therapeutic radiology
- 1000 cGy single dose palliation for advanced carcinoma of the cervix or endometrium. Halle JS; Rosenman JG; Varia MA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1947
- adenocarcinoma corpus et colli: analysis of diagnostic variables. Calkins AR; Stehman FB; Sutton GP; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 911
- adjuvant postoperative radiation therapy following radical hysterectomy in Stage IB CA of the cervix—analysis of treatment failure. Kim RY; Salter MM; Shingleton HM. *Int J Radiat Oncol Biol Phys* 1988; 14: 445
- analysis of pelvic tumor control and impact on survival in carcinoma of the uterine cervix treated with radiation therapy alone. Perez CA; Kuske RR; Camel HM; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 613
- carcinoma of the uterine cervix treated with external irradiation alone. Akine Y; Hashida I; Kajiyama Y; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1611
- case report: high dose irradiation for recurrent carcinoma of the cervix following radical hysterectomy. Abayomi OK. *Clin Radiol* 1987; 38: 439
- cervical cancer: intracavitary dose specification and prescription. Potish RA; Gerbi BJ. *Radiology* 1987; 165: 555
- clinical trial of two conceptually different radical radiotherapy treatments in stage III carcinoma of the cervix. Hunter RD; Cowie VJ; Blair V; et al. *Clin Radiol* 1986; 37: 23
- combination chemotherapy prior to radical radiotherapy for stage III and IV carcinoma of the cervix. Symonds RP; Habeshaw T; Watson ER; et al. *Clin Radiol* 1987; 38: 273
- combination of radiotherapy and surgery in the treatment of carcinoma of the uterine cervix. Wiernik G. *Br J Radiol* 1986; 59: 97
- combined radiotherapy and chemotherapy for advanced carcinoma of the cervix. Blake PR; Branson AN; Lambert HE. *Clin Radiol* 1986; 37: 465
- combined surgery and radiation in endometrial carcinoma: an analysis of prognostic factors. Nori D; Hilaris BS; Tome M; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 489
- complications of extended-field therapy for cervical carcinoma without prior surgery. Jolles CJ; Freedman RS; Hamberger AD; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 179
- development of an ^{241}Am applicator for intracavitary irradiation of gynecologic cancers. Nath R; Peschel RE; Park CH; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 969
- diverging gynecological template for radioactive interstitial/intracavitary implants of the cervix. John B; Scarbrough EC; Nguyen PD; et al. *Int J Radiat Oncol Biol Phys* 1988; 15: 461
- dose dependence of complication rates in cervix cancer radiotherapy. Orton CG; Wolf-Rosenblum S. *Int J Radiat Oncol Biol Phys* 1986; 12: 37
- dosimetric comparison of the Fletcher family of gynecologic colpostats 1950–1980. (ab). Haas JS; Dean RD; Mansfield CM. *Radiology* 1986; 158: 576
- dosimetric methods in the optimization of radiotherapy for carcinoma of the uterine cervix. Esche BA; Crook JM; Horiot J-C. *Int J Radiat Oncol Biol Phys* 1987; 13: 1183
- effect of misonidazole dose on survival in patients with stage IIIB-IVA squamous cell carcinoma of the uterine cervix: RTOG randomized trial. Bauer M; Leibel S; Wasserman T; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 1101
- failure patterns in gynecologic cancer. Brady LW; Perez CA; Bedwinek JM. *Int J Radiat Oncol Biol Phys* 1986; 12: 549
- geometry adopted by Manchester radium applicators and Selectron afterloading applicators in intracavitary treatment for carcinoma cervix uteri. Jones DA; Notley HM; Hunter RD. *Br J Radiol* 1987; 60: 481
- gynecology: combined radiotherapy and chemotherapy in gynecologic oncology. Brady LW; Markoe AM; DeEulis T; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: S203
- high dose para-aortic lymph node irradiation for gynecologic cancer: technique, toxicity, and results. Russell AH; Jones DC; Russell KJ; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 267
- high dose rate ^{60}Co remote afterloading irradiation in cancer of the cervix in Haiti, 1977–1984. Streeter OE Jr; Goldson AL; Chevallier C; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 1159
- high-dose-rate intracavitary irradiation in the treatment of carcinoma of the uterine cervix: early experience with 84 patients. Akine Y; Arimoto H; Ogino T; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 893
- high-dose rate intracavitary therapy for carcinoma of the uterine cervix: I. general figures of survival and complication. Teshima T; Chatani M; Hata K; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1035
- high-dose rate intracavitary therapy for carcinoma of the uterine cervix: II. risk factors for rectal complication. Teshima T; Chatani M; Hata K; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 281
- hypofractionated external radiation with high and low dose rates in the treatment of advanced cancer of the cervix. Huilgol NG; Mehta AR; Kulkarni V; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 577
- hysterectomy and adjuvant irradiation for pathologic stage III adenocarcinoma of the endometrium. Stokes S; Bedwinek J; Perez CA; et al. *Int J Radiat Oncol Biol Phys* 1986; 12: 335
- inoperable adenocarcinoma of endometrium: radiation therapy. Wang M-L; Hussey DH; Vigliotti APG; Benda J; Wen B-C; Doornbos JF; Anderson B. *Radiology* 1987; 165: 561
- interstitial parametrial implants in carcinoma of the cervix stage II-B. Aristizabal SA; Woolfitt B; Valencia A; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 445
- intracavitary irradiation of endometrial cancer of large uteri using a two-phase afterloading technique. Kaupilla A; Sipilä P; Koivula A. *Br J Radiol* 1987; 60: 1093
- medically inoperable stage I adenocarcinoma of the endometrium treated with radiotherapy alone. Grigsby PW; Kuske RR; Perez CA; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 483
- mini-colpostats in the treatment of carcinoma of the uterine cervix. Kuske RR; Perez CA; Jacobs AJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 899
- modifications of relaxation times induced by radiation therapy in cervical carcinoma: preliminary results. Santoni R; Bucciolini M; Cionini L; et al. *Clin Radiol* 1987; 38: 569
- neutron therapy in cervical cancer: results of a phase III RTOG study. Maor MH; Gillespie BW; Peters LJ; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 885
- observations on the use of adjuvant radiation therapy in patients with stage I and II uterine sarcoma. Hornback NB; Omura G; Major FJ. *Int J Radiat Oncol Biol Phys* 1986; 12: 2127
- para-aortic lymph node irradiation in cervical carcinoma without prior lymphadenectomy. Crawford JS; Harisiadis L; McGowan L; Rogers CC. *Radiology* 1987; 164: 255
- primary radiation therapy for medically inoperable patients with endometrial carcinoma—stages I-II. Varia M; Rosenman J; Halle J; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 11
- prospective comparison of ultrasound and computed tomography in the evaluation of the size of the uterus: can these methods be used for intracavitary treatment planning of carcinoma of the uterus? Girinski T; Leclerc J; Pejovic MH; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 789
- quantified approach to the analysis and prevention of urinary complications in radiotherapeutic treatment of cancer of the cervix. Fourquier H; Delard R; Achille E; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1025
- radiation therapy alone in the treatment of carcinoma of the uterine cervix: review of experience at Tokyo Women's Medical College (1969–1983). Okawa T; Kita M; Goto M; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1845
- radiotherapy alone in carcinoma of the intact uterine cervix according to G. H. Fletcher guidelines: a French cooperative study of 1383 cases. Horiot J-C; Pignaux J; Pourquier H; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 605
- radiotherapy for carcinoma of the uterine cervix by remotely controlled afterloading intracavitary system with high-dose-rate. Koga K; Watanabe K; Kawano M; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 615
- radiotherapy with or without misonidazole for patients with stage IIIB or stage IVA squamous cell carcinoma of the uterine cervix: preliminary report of a radiation therapy oncology group randomized trial. Leibel S; Bauer M; Wasserman T; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 541
- relationship between the bladder and the cervix in patients undergoing intracavitary therapy. Lukka HR; Moore CJ; Hunter RD. *Br J Radiol* 1987; 60: 355
- remote afterloading techniques for the treatment of nasopharyngeal and endometrial cancer. Denham JW; Baldacchino AC; Gutte J; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 191
- report of late rectosigmoid morbidity in patients with advanced cancer of the cervix, treated by a six week pelvic brick technique. Quilty PM. *Clin Radiol* 1988; 39: 297
- results of intracavitary radium treatment for adenocarcinoma of the body of the uterus. Jones DA; Stout R. *Clin Radiol* 1986; 37: 169
- safety of adjunctive transvaginal beam therapy in the treatment of squamous cell carcinoma of the uterine cervix. Seider MJ; Peters LJ; Wharton JT; et al. *Int J Radiat Oncol Biol Phys* 1988; 14: 729
- single radium insertion for treatment of early carcinoma of the cervix: rationale and results. Bond WH; Mould J. *Clin Radiol* 1986; 37: 573
- skeletal metastases from cancer of the uterine cervix: frequency, patterns, and radiotherapeutic significance. Kim RY; Weppelmann B; Salter MM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 705
- specimen histology after one or two preoperative CF-252 implants for bulky stage IB cervical cancer. Maruyama Y; van Nagell JR; Feola JM; et al. *Int J Radiat Oncol Biol Phys* 1987; 13: 1473
- treatment of carcinoma of the cervix and poor-risk endometrial carcinoma using the Cathetron at the Middlesex Hospital: experience since 1979. Yeoh EK; Spittle MF. *Clin Radiol* 1986; 37: 165

- treatment of stage I adenocarcinoma of the endometrium by hysterectomy and adjuvant irradiation: retrospective analysis of 304 patients; Stokes S; Bedwinek J; Kao M-S; et al; *Int J Radiat Oncol Biol Phys* 1986; 12: 339
- Uterine neoplasms, therapy**
- Canadian Association of Radiologists: treatment results in 2719 patients with carcinoma of the endometrium 1973-1977; Starreveld AA; Shankowsky HA; Koch M; J Canad Assoc Radiol 1987; 38: 96
- combination chemotherapy prior to radical radiotherapy for stage III and IV carcinoma of the cervix; Symonds RP; Habeshaw T; Watson ER; et al; *Clin Radiol* 1987; 38: 273
- combined surgery and radiation in endometrial carcinoma: an analysis of prognostic factors; Nori D; Hillaris BS; Tome M; et al; *Int J Radiat Oncol Biol Phys* 1987; 13: 489
- gynecology: combined radiotherapy and chemotherapy in gynecologic oncology; Brady LW; Markoe AM; DeEulis T; et al; *Int J Radiat Oncol Biol Phys* 1988; 14: S203
- posttreatment ureteral obstruction in invasive carcinoma of uterine cervix; Bahra S; Ampil F; *Int J Radiat Oncol Biol Phys* 1987; 13: 23
- prognostic variables in endometrial carcinoma; Poulsen MG; Roberts SJ; *Int J Radiat Oncol Biol Phys* 1987; 13: 1043
- value of pre-operative intracavitary radiotherapy in patients treated by radical hysterectomy and pelvic lymphadenectomy for invasive carcinoma of the cervix; Pearcey RG; Peel KR; Thorogood J; et al; *Clin Radiol* 1988; 39: 95
- Uterine neoplasms, US studies**
- gestational trophoblastic neoplasia: diagnosis with Doppler US; Taylor KJW; Schwartz PE; Kohorn EL; *Radiology* 1987; 165: 445
- gynecologic imaging: comparison of transabdominal and transvaginal sonography; Mendelson EB; Bohm-Velez M; Joseph N; Neiman HL; *Radiology* 1988; 166: 321
- intratumoral blood flow: evaluation with color Doppler echography; Shimamoto K; Sakuma S; Ishigaki T; Makino N; *Radiology* 1987; 165: 683
- leiomyomas in pregnancy: sonographic study; Lev-Toaff AS; Coleman BG; Arger PH; Mintz MC; Arenson RL; Toaff ME; *Radiology* 1987; 164: 373
- myometrial invasion by endometrial carcinoma: sonographic assessment; Fleischer AC; Dudley BS; Entman SS; Baxter JW; Kalermeri GC; James AE Jr; *Radiology* 1987; 162: 307
- recurrence of ovarian and uterine neoplasms: diagnosis with transrectal US; Squillac E; Salzani MC; Grandinetti ML; Auffermann W; Marsella A; Maresca G; Colagrande C; *Radiology* 1988; 169: 355
- sonographic findings in adenomyosis of the uterus; Bohlman ME; Ensor RE; Sanders RC; *AJR* 1987; 148: 765
- transvaginal and transabdominal sonography: prospective comparison; Coleman BG; Arger PH; Grumbach K; Menard MK; Mintz MC; Allen KS; Arenson RL; Lamon KA; *Radiology* 1988; 168: 639
- ultrasonic assessment of endometrial cancer invasion; Lehtovirta P; Cacciatori B; Wahlström T; et al; *JCU* 1987; 15: 519
- ultrasound and computed tomographic findings in aggressive angiosarcoma of the uterine cervix; Yaghoobian J; Zinn D; Ramanathan K; et al; *J Ultrasound Med* 1987; 6: 209
- ultrasound appearance of adenomyosis mimicking adenocarcinoma in a postmenopausal woman; Lister JE; Kane GJ; Ehrmann RL; et al; *JCU* 1988; 16: 519
- use of transrectal radial scan ultrasonography in evaluating the extent of uterine cervical cancer; Yuhara A; Akamatsu N; Sekiba K; *JCU* 1987; 15: 507
- Uterus**
- See also Pelvis; Pregnancy; Uterine neoplasms
- changing appearance of the normal uterus during the menstrual cycle: MR studies; Haynor DR; Mack LA; Soules MR; Shuman WP; Montana MA; Moss AA; *Radiology* 1986; 161: 459
- determination of the elastic properties of the cervix; (ab); Kiwi R; Neuman MR; Merkatz IR; et al; *Radiology* 1988; 169: 290
- inadvertent iatrogenic introduction of air into myometrium: sonographic demonstration; Woodruff WW III; Carroll BA; *J Ultrasound Med* 1988; 7: 49
- sonographic monitoring of LHRH analogue therapy in idiopathic precocious puberty in young girls; Hall DA; Crowley WF; Wierman ME; et al; *JCU* 1986; 14: 331
- Uterus, abnormalities**
- adenomyosis and leiomyoma: differential diagnosis with MR imaging; Mark AS; Hricak H; Heinrichs LW; Hendrickson MR; Winkler ML; Bachica JA; Stickler JE; *Radiology* 1987; 163: 527
- case report: unilateral hematocolpos in uterine duplication associated with renal agenesis; Berman L; Stringer DA; St Onge O; et al; *Clin Radiol* 1987; 38: 545
- computed tomography of unilateral hematometocolpos; Fields SJ; Katz S; Beyth Y; *JCAT* 1988; 12: 530
- congenital uterine anomalies and associated pregnancies: findings and pitfalls of sonographic diagnosis; (ab); Pennes DR; Bowerman RA; Silver TM; *Radiology* 1986; 158: 859
- endometrial abnormalities: evaluation with transvaginal sonography; Mendelson EB; Bohm-Velez M; Joseph N; et al; *AJR* 1988; 150: 139
- failed first trimester pregnancy termination: uterine anomaly as etiologic factor; Pennes DR; Bowerman RA; Silver TM; et al; *JCU* 1987; 15: 165
- hydrometrocolpos, uterus didelphys, and septate vagina: antenatal sonographic diagnosis; Russ PD; Zavitz WR; Pretorius DH; et al; *J Ultrasound Med* 1986; 5: 211
- imaging of congenital uterine anomalies; Mintz MC; Grumbach K; Semin US CT MR 1988; 9: 167
- magnetic resonance imaging of bicornuate uterus with unilateral hematometrosalpinx and ipsilateral renal agenesis; Hamlin DJ; Petersson H; Ramey SL; et al; *Urol Radiol* 1986; 8: 52
- Mayer-Rokitansky-Kuster-Hauser syndrome: US aid to diagnosis; Rosenberg HK; Sherman NH; Tarry WF; Duckett JW; Snyder HM; *Radiology* 1986; 161: 815
- molding of the uterus following intrauterine contraceptive device removal: documentation by hysterosalpingography; Viglione CA; Cutillo JT Jr; Clark RL; *Urol Radiol* 1987; 9: 188
- MR evaluation of uterine anomalies; Mintz MC; Thickman DL; Gussman D; et al; *AJR* 1987; 148: 287
- MR imaging of pregnancy in bicornuate uterus; Yuh WTC; DeMarino GB; Ludwig WD; et al; *JCAT* 1988; 12: 162
- newborn with hydrometrocolpos and ambiguous genitalia: clinical significance; Janus C; Godine L; *JCU* 1986; 14: 739
- simulation of a hydronephrotic pelvic kidney by an unusual pelvic mass; Ngo C; Verma RC; Wong L; et al; *JCU* 1987; 15: 126
- spontaneous resolution of unilateral hematometra in a patient with bicornuate uterus: sonographic findings; Musante F; Derchi LE; *JCU* 1986; 14: 307
- transvaginal and transabdominal sonography: prospective comparison; Coleman BG; Arger PH; Grumbach K; Menard MK; Mintz MC; Allen KS; Arenson RL; Lamon KA; *Radiology* 1988; 168: 639
- uterine duplication, unilateral imperforate vagina, and normal kidneys; Johnson J; Hillman BJ; *AJR* 1986; 147: 1197
- vaginal agenesis: classification by MR imaging; Togashi K; Nishimura K; Itoh K; Fujisawa I; Nakano Y; Torizuka K; Ozasa H; Ohshima M; *Radiology* 1987; 162: 675
- Uterus, CT**
- CT and MR demonstration of nabothian cysts mimicking a cystic adnexal mass; Togashi K; Noma S; Ozasa H; *JCAT* 1987; 11: 1091
- CT characteristics of cervical mucocoele mimicking a cystic adnexal mass; Coscina WF; Mintz MC; Rascoe RR; et al; *JCAT* 1986; 10: 352
- CT diagnosis of hematocolpometra; Čatić D; Lovrinčević A; Cengić-Huković F; et al; *Comput Med Imag Graph* 1988; 12: 315
- CT in gynecologic pelvis diseases; Sawyer RW; Walsh JW; *Semin US CT MR* 1988; 9: 122
- prospective comparison of ultrasound and computed tomography in the evaluation of the size of the uterus: can these methods be used for intracavitary treatment planning of carcinoma of the uterus?; Girinski T; Leclerc J; Pejovic MH; et al; *Int J Radiat Oncol Biol Phys* 1987; 13: 789
- Uterus, cysts**
- CT and MR demonstration of nabothian cysts mimicking a cystic adnexal mass; Togashi K; Noma S; Ozasa H; *JCAT* 1987; 11: 1091
- CT characteristics of cervical mucocoele mimicking a cystic adnexal mass; Coscina WF; Mintz MC; Rascoe RR; et al; *JCAT* 1986; 10: 352
- Uterus, diseases**
- adenomyosis: diagnosis with MR imaging; Togashi K; Nishimura K; Itoh K; Fujisawa I; Noma S; Kanaoka M; Nakano Y; Itoh H; Ozasa H; Fujii S; Mori T; *Radiology* 1988; 166: 111
- adnexal and cul-de-sac abnormalities: transvaginal sonography; Lande IM; Hill MC; Cosco FE; Kator NN; *Radiology* 1988; 166: 325
- Uterus, hemorrhage**
- clinical consequences after ultrasonic diagnosis of intrauterine hematoma in threatened abortion; (ab); Joupilla P; *Radiology* 1986; 158: 287
- computed tomography of unilateral hematometocolpos; Fields SJ; Katz S; Beyth Y; *JCAT* 1988; 12: 530
- ectopic pregnancy: surgical-pathologic correlation with US; Rochester D; Panella JS; Port RB; Rosenfeld M; Rawal U; *Radiology* 1987; 165: 843
- extensive intrauterine hematoma mimicking a nonviable early pregnancy; Hill LM; Kislik S; *J Ultrasound Med* 1986; 5: 515
- obstetric and nonmalignant gynecologic bleeding: treatment with angiographic embolization; Greenwood LH; Glickman MG; Schwartz FE; Morse SS; Denny DF; *Radiology* 1987; 164: 155
- placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome; Sauerbrei EE; Pham DH; *Radiology* 1986; 160: 109
- spontaneous resolution of unilateral hematometra in a patient with bicornuate uterus: sonographic findings; Musante F; Derchi LE; *JCU* 1986; 14: 307
- transcatheter embolotherapy of massive bleeding after surgery for benign gynecologic disorders; Finnegan MF; Tisnado J; Berzirdian DR; et al; *J Canad Assoc Radiol* 1988; 39: 172
- Uterus, hydatidiform mole**
- gestational trophoblastic disease with coexistent normal fetus: evaluation by ultrasound-guided chorionic villus sampling; Hertzberg BS; Kurtz AB; Wapner RJ; et al; *J Ultrasound Med* 1986; 5: 467
- gestational trophoblastic neoplasia: diagnosis with Doppler US; Taylor KJW; Schwartz PE; Kohorn EL; *Radiology* 1987; 165: 445
- gestational trophoblastic neoplasia of the uterus: MR assessment; Hricak H; Demas BE; Braga CA; Fisher MR; Winkler ML; *Radiology* 1986; 161: 11
- magnetic resonance imaging and hydatidiform mole; Powell MC; Buckley J; Worthington BS; et al; *Br J Radiol* 1986; 59: 561
- Uterus, MR studies**
- adenomyosis and leiomyoma: differential diagnosis with MR imaging; Mark AS; Hricak H; Heinrichs LW; Hendrickson MR; Winkler ML; Bachica JA; Stickler JE; *Radiology* 1987; 163: 527
- adenomyosis: diagnosis with MR imaging; Togashi K; Nishimura K; Itoh K; Fujisawa I; Noma S; Kanaoka M; Nakano Y; Itoh H; Ozasa H; Fujii S; Mori T; *Radiology* 1988; 166: 111
- changing appearance of the normal uterus during the menstrual cycle: MR studies; Haynor DR; Mack LA; Soules MR; Shuman WP; Montana MA; Moss AA; *Radiology* 1986; 161: 459

Uterus, MR studies

- CT and MR demonstration of nabothian cysts mimicking a cystic adnexal mass, Togashi K; Noma S; Ozasa H, *JCAT* 1987; 11: 1091
- female pelvic anatomy: MR assessment of variations during the menstrual cycle and with use of oral contraceptives, McCarthy S; Tauber C; Gore J, *Radiology* 1986; 160: 119
- inflatable surface coil for MR imaging of the prostate, Martin JF; Hajek P; Baker L; Gylis-Morin V; Fitzmorris-Glass R; Mattrey RR, *Radiology* 1986; 177: 268
- intrauterine contraceptive devices: MR imaging, Mark AS; Hricak H, *Radiology* 1987; 162: 311
- magnetic resonance imaging and hydrotidiform mole, Powell MC; Buckley J; Worthington BS; et al, *Br J Radiol* 1986; 59: 561
- magnetic resonance imaging of bicornuate uterus with unilateral hematometropalpinx and ipsilateral renal agenesis, Hamlin DJ; Pettersson H; Ramey SL; et al, *Urol Radiol* 1986; 8: 52
- MR evaluation of uterine anomalies, Mintz MC; Thickman DJ; Gussman D; et al, *AJR* 1987; 148: 287
- MR imaging of pregnancy in bicornuate uterus, Yuh WTC; DeMarino GB; Ludwig WD; et al, *JCAT* 1988; 12: 162
- MRI of the female pelvis: review, Hricak H, *AJR* 1986; 146: 1115
- uterine MR imaging: effects of hormonal stimulation, Demas BE; Hricak H; Jaffe RB, *Radiology* 1986; 159: 123
- uterine neoplasms: MR imaging, Worthington JL; Balfe DM; Lee JKT; Gersell DJ; Heiken JP; Ling D; Glazer HS; Jacobs AJ; Kao MS; McClellan BL, *Radiology* 1986; 159: 725
- vaginal agenesis: classification by MR imaging, Togashi K; Nishimura K; Itoh K; Fujisawa I; Nakano Y; Torizuka K; Ozasa H; Ohshima M, *Radiology* 1987; 162: 675
- Uterus, neoplasms**
See Uterine neoplasms
- Uterus, perforation**
real-time ultrasound diagnosis of bleeding uterine perforation during therapeutic abortion, Shalev E; Ben-Ami M; Zuckerman H, *JCU* 1986; 14: 66
- sonographic identification of an unusual complication of midtrimester pregnancy termination: unrecognized intra-abdominal extrusion of fetal parts, Bowerman RA; Pennes DR; Jongeward RH Jr, *JCU* 1988; 16: 119
- ultrasonic monitoring under local anesthesia during removal of an embedded intrauterine contraceptive device, Reuter KL; Daly D, *JCU* 1986; 14: 68
- Uterus, radiography**
balloon hysterosalpingography catheter, Sholkoff SD, *AJR* 1987; 149: 995
- comparative study of hysterosalpingography and endoscopy/laparotomy in infertile patients, Nielsen DT; Rasmussen F; Justesen P, *Eur J Radiol* 1987; 7: 260
- current state of hysterosalpingography, Wolf DM; Spataro RF, *Radiographics* 1988; 8: 1041
- fallopian tube obstruction: selective salpingography and recanalization. work in progress, Thurmond AS; Novy M; Uchida BT; Rosch J, *Radiology* 1987; 163: 511
- intravasation during hysterosalpingography using oil-base contrast medium: a second look, (ab), Nunley WC Jr; Bateman BC; Kitchin JD III; et al, *Radiology* 1987; 166: 586
- new cannula for hysterosalpingography, Margolin FR, *AJR* 1988; 151: 729
- radiation dose reduction during hysterosalpingography: application of scanning-beam digital radiography, Kushner DC; Yoder IC; Cleveland RH; Herman TE; Goodsitt MM, *Radiology* 1986; 161: 31
- therapeutic value of hysterosalpingography with Lipiodol ultra fluid, Rasmussen F; Justesen P; Nielsen DT, *Acta Radiol* 1987; 28: 319
- use of a low-osmolality contrast medium in hysterosalpingography: comparison with a conventional contrast medium, (ab), Davies AC; Keightley A; Borthwick-Clarke A; et al, *Radiology* 1986; 158: 859

- uterine leiomyomas in the infertile patient: preoperative localization with MR imaging versus US and hysterosalpingography, Dudiak CM; Turner DA; Patel SK; Archie JT; Silver B; Norusis M, *Radiology* 1988; 167: 627
- Uterus, radionuclide studies**
incidental diagnosis of pregnancy on bone and gallium scintigraphy, Palestro CJ; Malat J; Collica CJ; et al, *J Nucl Med* 1986; 27: 370
- uterine blush in multiphase bone imaging, Mandell GA; Harkle HT; Sharkey C; et al, *J Nucl Med* 1986; 27: 51
- uterine uptake of iodine-123 metaiodobenzylguanidine during the menstrual phase of uterine cycle, Bomanji J; Britton KE, *Clin Nucl Med* 1987; 12: 601
- visualization of the uterus on evaluation of transplanted kidneys, Feldman N; Makler PT Jr; Velchik MG, *Clin Nucl Med* 1986; 11: 62
- Uterus, rupture**
sonographic features of rupture of the pregnant uterus, Gale JT; Mahony BS; Bowie JD, *J Ultrasound Med* 1986; 5: 713
- Uterus, size**
neonatal uterine morphology as seen on real-time US, Nussbaum AR; Sanders RC; Jones MD, *Radiology* 1986; 160: 641
- prospective comparison of ultrasound and computed tomography in the evaluation of the size of the uterus: can these methods be used for intracavitary treatment planning of carcinoma of the uterus?, Girinski T; Leclerc J; Pejovic MH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 789
- uterine MR imaging: effects of hormonal stimulation, Demas BE; Hricak H; Jaffe RB, *Radiology* 1986; 159: 123
- Uterus, US studies**
See also Fetus, US studies; Pregnancy, US studies
- adnexal and cul-de-sac abnormalities: transvaginal sonography, Lande IM; Hill MC; Cosco FE; Kator NN, *Radiology* 1988; 166: 325
- cyclic endometrial changes: US assessment with histologic correlation, Forrest TS; Elyaderani MK; Muijenburg MI; Bewtra C; Kable WT; Sullivan P, *Radiology* 1988; 167: 233
- dynamic incompetent cervix uteri: sonographic observations, Parulekar SG; Kiwi R, *J Ultrasound Med* 1988; 7: 481
- ectopic pregnancy: surgical-pathologic correlation with US, Rochester D; Panella JS; Port RB; Rosenfeld M; Rawal U, *Radiology* 1987; 165: 843
- empty-bladder (hystero-graphic) view on US for evaluation of intrauterine devices. work in progress, Carroll R; Gombergh R, *Radiology* 1987; 163: 822
- endometrial abnormalities: evaluation with transvaginal sonography, Mendelson EB; Bohm-Velez M; Joseph N; et al, *AJR* 1988; 150: 139
- extensive intrauterine hematoma mimicking a nonviable early pregnancy, Hill LM; Kisliak S, *J Ultrasound Med* 1986; 5: 515
- gynecologic imaging: comparison of transabdominal and transvaginal sonography, Mendelson EB; Bohm-Velez M; Joseph N; Neiman HL, *Radiology* 1988; 166: 321
- neonatal uterine morphology as seen on real-time US, Nussbaum AR; Sanders RC; Jones MD, *Radiology* 1986; 160: 641
- new observations in the sonographic evaluation of intrauterine contraceptive devices, Najarian KE; Kurtz AB, *J Ultrasound Med* 1986; 5: 205
- pitfalls in the sonographic diagnosis of uterine fibroids, Baltarowich OH; Kurtz AB; Pennell RG; et al, *AJR* 1988; 151: 725
- placental abruption and subchorionic hemorrhage in the first half of pregnancy: US appearance and clinical outcome, Sauerbrei EE; Pham DH, *Radiology* 1986; 160: 109
- postmenopausal endometrial fluid collections: always an indicator of malignancy?, McCarthy KA; Hall DA; Kopans DB; et al, *J Ultrasound Med* 1986; 5: 647
- prospective comparison of ultrasound and computed tomography in the evaluation of the size of the uterus: can these methods be used for intracavitary treatment planning of carcinoma of the uterus?, Girinski T; Leclerc J; Pejovic MH; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 789

- ruptured uterus: sonographic diagnosis, Bedi DG; Salmon A; Winslett MZ; et al, *JCU* 1986; 14: 529
- sonographic assessment of the endometrium in patients undergoing in vitro fertilization, Thickman D; Arger P; Tureck R; et al, *J Ultrasound Med* 1986; 5: 197
- sonographic depiction of normal and abnormal endometrium with histopathologic correlation, Fleischer AC; Kalemeris GC; Machin JE; et al, *J Ultrasound Med* 1986; 5: 445
- sonographic depiction of the endometrium during normal cycles, Fleischer AC; Kalemeris GC; Entman SS, *Ultrasound Med Biol* 1986; 12: 271
- sonographic evaluation of cervical length in pregnancy: diagnosis and management of preterm cervical effacement in patients at risk for premature delivery, (ab), Ayers JWT; DeGrood RM; Compton AA; et al, *Radiology* 1988; 169: 882
- sonographic features of rupture of the pregnant uterus, Gale JT; Mahony BS; Bowie JD, *J Ultrasound Med* 1986; 5: 713
- sonographic investigation of the uterus during artificial uterine cavity distention, van Roessel J; Wamsteker K; Exalto N, *JCU* 1987; 15: 439
- sonography of the low transverse incision, cesarean section: a prospective study, Baker ME; Kay H; Mahony BS; et al, *J Ultrasound Med* 1988; 7: 389
- spontaneous resolution of unilateral hematometra in a patient with bicornuate uterus: sonographic findings, Musante F; Derchi LE, *JCU* 1986; 14: 307
- transmission line modelling approach to the interpretation of uterine Doppler waveforms, Mo LYL; Bascom PAJ; Ritchie K; et al, *Ultrasound Med Biol* 1988; 14: 365
- transvaginal and transabdominal sonography of the endometrium, Fleischer AC; Mendelson EB; Böhm-Velez M; et al, *Semin US CT MR* 1988; 9: 81
- transvaginal and transabdominal sonography: prospective comparison, Coleman BG; Arger PH; Grumbach K; Menard MK; Mintz MC; Allen KS; Arenson RL; Lamon KA, *Radiology* 1988; 168: 639
- transvaginal sonography in gynecologic imaging, Mendelson EB; Böhm-Velez M; Neiman HL; et al, *Semin US CT MR* 1988; 9: 102
- ultrasonography in the detection of cervical incompetency, Podobnik M; Bulić M; Smiljanic N; et al, *JCU* 1988; 16: 383
- ultrasound appearance of adenomyosis mimicking adenocarcinoma in a postmenopausal woman, Lister JE; Kane GJ; Ehrmann RL; et al, *JCU* 1988; 16: 519
- uterine adenomyosis: difficult sonographic diagnosis, Siedler D; Laing FC; Jeffrey RB Jr; et al, *J Ultrasound Med* 1987; 6: 345
- V**
- Vagina**
computed tomography of vaginitis emphysematosa, Jaramillo D; Allan NK; Raval B, *JCAT* 1986; 10: 521
- gynecologic imaging: comparison of transabdominal and transvaginal sonography, Mendelson EB; Bohm-Velez M; Joseph N; Neiman HL, *Radiology* 1988; 166: 321
- positive indium-111 leukocyte scintigraphy in vaginitis, Taylor DW Jr; Walz DJ; Babchuk WJ; et al, *Clin Nucl Med* 1987; 12: 477
- Vagina, abnormalities**
combined perineal-abdominal sonography in the evaluation of vaginal atresia, Graham D; Nelson MW, *JCU* 1986; 14: 735
- hydrometocolpos, uterus didelphys, and septate vagina: antenatal sonographic diagnosis, Russ PD; Zavitz WR; Pretorius DH; et al, *J Ultrasound Med* 1986; 5: 211
- Mayer-Rokitansky-Kuster-Hauser syndrome: US aid to diagnosis, Rosenberg HK; Sherman NH; Tarry WF; Duckett JW; Snyder HM, *Radiology* 1986; 161: 815

- newborn with hydrometrocolpos and ambiguous genitalia: clinical significance. Janus C; Godine L, JCU 1986; 14: 739
- simulation of a hydronephrotic pelvic kidney by an unusual pelvic mass. Ngo C; Verma RC; Wong L; et al, JCU 1987; 15: 126
- uterine duplication, unilateral imperforate vagina, and normal kidneys. Johnson J; Hillman BJ, AJR 1986; 147: 1197
- vagina: evaluation with MR imaging. part I. normal anatomy and congenital anomalies. Hricak H; Chang YCF; Thurnher S, Radiology 1988; 169: 169
- vaginal agenesis: classification by MR imaging. Togashi K; Nishimura K; Itoh K; Fujisawa I; Nakano Y; Torizuka K; Ozasa H; Ohshima M, Radiology 1987; 162: 675
- Vagina, CT**
CT diagnosis of hematometocolpos. Čatić D; Lovrićević A; Čengić-Huković F; et al, Comput Med Imag Graph 1988; 12: 315
- significance of vaginal air on computed tomography. Nokes SR; Martinez CR; Arrington JA; et al, JCAT 1986; 10: 997
- Vagina, cysts**
computed tomography of vaginal cuff cyst: late complication of hysterectomy. Davis MC; Fishman EK; Cameron JL; et al, JCAT 1986; 10: 354
- Vagina, MR studies**
vagina: evaluation with MR imaging. part I. normal anatomy and congenital anomalies. Hricak H; Chang YCF; Thurnher S, Radiology 1988; 169: 169
- vagina: evaluation with MR imaging. part II. neoplasms. Chang YCF; Hricak H; Thurnher S; Lacey CG, Radiology 1988; 169: 175
- Vagina, neoplasms**
primary squamous cell carcinoma of the vagina treated by radiotherapy: a failures analysis—the M. D. Anderson Hospital experience 1955-1982. Dancuart F; Delclos L; Wharton JT; et al, Int J Radiat Oncol Biol Phys 1988; 14: 745
- radiation treatment of primary carcinoma of the vagina. (ab). Prempre T; Amornmarn R, Radiology 1986; 158: 576
- vagina: evaluation with MR imaging. part II. neoplasms. Chang YCF; Hricak H; Thurnher S; Lacey CG, Radiology 1988; 169: 175
- Vagina, therapeutic radiology**
afterloading vaginal applicator. Biggs PJ; Wang CC; Gitterman MM, Int J Radiat Oncol Biol Phys 1986; 12: 247
- high dose para-aortic lymph node irradiation for gynecologic cancer: technique, toxicity, and results. Russell AH; Jones DC; Russell KJ; et al, Int J Radiat Oncol Biol Phys 1987; 13: 267
- improved control of primary vaginal tumours by combined external-beam and interstitial radiotherapy. MacNaught R; Symonds RP; Hole D; et al, Clin Radiol 1986; 37: 29
- modified Selectron vaginal applicator. Thomas R; Corner GA; Watson ER, Br J Radiol 1986; 59: 397
- primary squamous cell carcinoma of the vagina treated by radiotherapy: a failures analysis—the M. D. Anderson Hospital experience 1955-1982. Dancuart F; Delclos L; Wharton JT; et al, Int J Radiat Oncol Biol Phys 1988; 14: 745
- radiation treatment of primary carcinoma of the vagina. (ab). Prempre T; Amornmarn R, Radiology 1986; 158: 576
- Varices**
See Esophagus, varices
- Varicocele**
diagnosis of subclinical varicocele in infertility. Gonda RL Jr; Karo JJ; Forte RA; et al, AJR 1987; 148: 71
- diagnosis of varicocele and postoperative evaluation using inguinal ultrasonography. (ab). Orda R; Sayfan J; Manor H; et al, Radiology 1988; 166: 910
- hemodynamics of the varicocele, part 1: correlation among the clinical, phlebographic, and scintigraphic findings. (ab). Mali WPTM; Oei HY; Arndt JW; et al, Radiology 1986; 160: 858
- hemodynamics of the varicocele, part 2: correlation among the results of renocaval pressure measurements, varicocele scintigraphy, and phlebography. (ab). Mali WPTM; Oei HY; Arndt JW; et al, Radiology 1986; 160: 858
- idiopathic varicoceles: feasibility of percutaneous sclerotherapy. Sigmund G; Bahren W; Gall H; Lenz M; Thon W, Radiology 1987; 164: 161
- left spermatic vein in left-sided vena cava. Wilms GE; Oyen R; Baert AL, Cardiovasc Intervent Radiol 1987; 10: 258
- management of male infertility: roles of contact thermography, spermatic venography, and embolization. Pochaczewsky R; Lee WJ; Mallett E, AJR 1986; 147: 97
- percutaneous spermatic vein occlusion: evaluation of sclerosing agents in experimental animals. Kinnison ML; Kadir S; Strandberg JD; Anderson JH; White RI Jr, Radiology 1986; 161: 299
- percutaneous transluminal treatment of varicoceles: where to occlude the internal spermatic vein. Fobbe F; Hamm B; Sörensen R; et al, AJR 1987; 149: 983
- right-sided varicocele: technique and clinical results of balloon embolotherapy from the femoral approach. Shuman L; White RI Jr; Mitchell SE; Kadir S; Kaufman SL; Chang R, Radiology 1986; 158: 787
- scrotal ultrasound in the infertile man: detection of subclinical unilateral and bilateral varicoceles. (ab). McClure RD; Hricak H, Radiology 1986; 160: 858
- solitary or predominantly right-sided varicocele: a possible sign of situs inversus. Wilms GE; Oyen R; Casselman J; et al, Urol Radiol 1988; 9: 243
- spermatic vein embolization with hot contrast material: fertility results. Smith TP; Hunter DW; Cragg AH; Darcy MD; Castaneda-Zuniga WR; Sinclair TR; Ercole C; Hulbert JC; Kaye KW; Anplatz K, Radiology 1988; 168: 137
- stop-type and shunt-type varicoceles: venographic findings. Sigmund G; Gall H; Bahren W, Radiology 1987; 163: 105
- varicoceles: combined sonography and thermography in diagnosis and posttherapeutic evaluation. Hamm B; Fobbe F; Sörensen R; Felsenberg D, Radiology 1986; 160: 419
- varicoceles: distal occlusion with coaxial catheter system. Berger T; Sörensen R, Radiology 1987; 162: 271
- Varicose veins**
See Veins, extremities
- Vasa vasorum**
acute and long-term effects of massive balloon dilation on the aortic wall and vasa vasorum. Zollikofer CL; Redha FH; Bruhlmann WF; Uhlischmid GK; Vlodavet Z; Castaneda-Zuniga WR; Amplatz K, Radiology 1987; 164: 145
- Takayasu arteritis: radiographic and angiographic findings in 59 patients. Yamato M; Lecky JW; Hiramatsu K; Kohda E, Radiology 1986; 161: 329
- Vasculitis**
cerebral vasculitis and hemorrhage associated with phenylpropanolamine. (ab). Fallis RJ; Fisher M, Radiology 1986; 158: 572
- cerebral vasculitis secondary to Wegener's granulomatosis: computed tomography and angiographic findings. Yamashita Y; Takahashi M; Bussaka H; et al, CT 1986; 10: 115
- computed tomography of the brain in cases with venous vasculitis compared with an age-matched reference group. Hannerz J; Ericson K; Bergstrand G; et al, Acta Radiol 1988; 29: 65
- fatal acute vasculitis after high-dose urography with iohexol. Goodfellow T; Holdstock GE; Brunton FJ; et al, Br J Radiol 1986; 59: 620
- MR brain scanning in patients with vasculitis: differentiation from multiple sclerosis. Miller DH; Ormerod IEC; Gibson A; et al, Neuroradiol 1987; 29: 226
- paraneoplastic vasculitis: unique syndrome of cutaneous angitis and arthritis associated with myeloproliferative disorders. (ab). Longley S; Caldwell JR; Panush RS, Radiology 1987; 162: 588
- periosteal reaction in systemic lupus erythematosus. Glickstein MF; Neustadter L; Dalinka MK; et al, Skeletal Radiol 1986; 15: 610
- polyangiitis overlap syndrome: classification and prospective clinical experience. (ab). Leavitt RY; Fauci AS, Radiology 1987; 162: 588
- vasculitis in the lung. Feigin DS, J Thorac Imag 1988; 3-1: 33
- Virchow-Robin space: path of spread in neurosarcoidosis. Mirfakhreie M; Crofford MJ; Guinto FC Jr; Nauta HW; Weedn VW, Radiology 1986; 158: 715
- Vasopressin**
abnormal thallium 201 scintigraphy during low-dose vasopressin infusions. (ab). Davison R; Kaplan K; Bines A; et al, Radiology 1987; 163: 836
- effect of a vasopressin antagonist d(CH₂)₅Tyr(Met)AVP on the development of renal vasospasm induced by estrin plus vasopressin administration in rats. Kocsis J; Szabó E; László FA, Invest Radiol 1987; 22: 973
- failure to demonstrate a vasoconstrictive effect of vasopressin on the internal carotid and middle cerebral arteries: transcranial ultrasound Doppler study. Krapf R; Markwalder T-M; Linders HR, Ultrasound Med Biol 1987; 13: 131
- Veins**
See also Angiography; Arteriovenous malformations; Cerebral blood vessels; Coronary vessels; Embolism; Thrombosis; Venography; under names of specific blood vessels, such as Portal vein; Renal veins; etc.
- Veins, abnormalities**
anomalous course of the brachiocephalic vein diagnosed by two-dimensional echocardiography in a child with left atrial isomerism and right aortic arch. Towbin JA; Huhta JC; Nihill MR, JCU 1987; 15: 544
- congenital absence of the azygos vein: a cause for "aortic nipple" enlargement. Hatfield MK; Vyborny CJ; MacMahon H; et al, AJR 1987; 149: 273
- magnetic resonance imaging of systemic venous anomalies. Ellis JH; Denham JS; Bies JR; et al, Comput Radiol 1986; 10: 15
- persistence of the cardinal veins and thrombosis: CT demonstration. Barack BM, JCAT 1986; 10: 327
- platelet sequestration in a vascular malformation of Klippel-Trenaunay syndrome. Kloiber R; Poon M-C; Molnar CP, AJR 1987; 149: 1275
- popliteal venous aneurysm. Ross GJ; Violi L; Barber LW; Vujic I, Radiology 1988; 168: 721
- ultrasonographic diagnosis of ectasia of the umbilical vein. Vesce F; Guerrini P; Perri G; et al, JCU 1987; 15: 346
- unusual anomalous intrahepatic connection between the left portal vein and internal mammary veins. Shawker TH; Chang R; Garra B; et al, JCU 1988; 16: 429
- Veins, adrenal**
computed tomography appearance of adrenal vein thrombosis. Zirinsky K; Auh YH; Rubenstein WA; et al, CT 1987; 11: 216
- new technique for left adrenal vein catheterization. Mauro MA; Jacques PF, Cardiovasc Intervent Radiol 1987; 10: 86
- Veins, axillary**
air-fluid level in axillary vein simulating abscess. Panicek DM; Groskin SA; Chung CT; et al, CT 1988; 12: 150
- axillary and subclavian vein stenosis: percutaneous angioplasty. Glanz S; Gordon DH; Lipkowitz GS; Butt KMH; Hong J; Sciafani SJA, Radiology 1988; 168: 371
- low-dose streptokinase thrombolysis of axillary-subclavian vein thrombosis. Huey H; Morris DC; Nichols DM; et al, Cardiovasc Intervent Radiol 1987; 10: 92
- normal and occluded mediastinal veins: MR imaging. McMurdo KK; de Geer G; Webb WR; Gamsu G, Radiology 1986; 159: 33
- subclavian and axillary vein thrombosis following radiotherapy for carcinoma of the breast. Wilson CB; Lambert HE; Scott RD, Clin Radiol 1987; 38: 95
- superior vena caval placement of a Kimray-Greenfield filter. Pais SO; De Orchi DF; Mirvis SE, Radiology 1987; 165: 385
- Veins, azygos**
congenital absence of the azygos vein: a cause for "aortic nipple" enlargement. Hatfield MK; Vyborny CJ; MacMahon H; et al, AJR 1987; 149: 273

Veins, azygos

demonstration of azygos vein collateral flow, Leonard JC; Fuller C; Lowe B, *Clin Nucl Med* 1986; 11: 738

normal and occluded mediastinal veins: MR imaging, McMurdo KK; de Geer G; Webb WR; Gamsu G, *Radiology* 1986; 159: 33

Veins, brachiocephalic

See Veins, innominate

Veins, CT

air-fluid level in axillary vein simulating abscess, Panicek DM; Groskin SA; Chung CT; et al, *CT* 1988; 12: 150

aneurysmal dilatation of a patent umbilical vein masquerading as a pancreatic pseudocyst: CT characteristics, Khouri MR; Mintz MC; Coleman BG, *JCAT* 1988; 12: 662

appearance of the inferior thyroid veins on computed tomography, Belli A-M; Ingram CE; Heron CW; et al, *Br J Radiol* 1988; 61: 125

complications of central venous catheters diagnosed by computed tomography, Schwartz ML; Shin MS, *CT* 1987; 11: 267

computed tomography appearance of adrenal vein thrombosis, Zirinsky K; Auh YH; Rubenstein WA; et al, *CT* 1987; 11: 216

computed tomography of the superior intercostal veins, Woodring JH; Olson MA, *CT* 1987; 11: 327

CT findings in acute thrombosis of superior mesenteric vein aneurysm, Wise RH Jr; Retterbush DW; Stanley RJ, *JCAT* 1987; 11: 172

CT in thrombosed dilated posterior epidural vein, Bammatter S; Schnyder P; De Preux J, *Eur J Radiol* 1987; 7: 116

CT visualization of posterior vertebral veins: sign of vena caval obstruction, Vachon L; Gilsanz V, *Pediatr Radiol* 1986; 16: 197

diagnosis of internal jugular vein thrombosis, Albertyn LE; Alcock MK, *Radiology* 1987; 162: 505

functional and anatomic evaluation of the cardiovascular system with rapid-acquisition computed tomography (cine CT), Steiner RM; Flicker S; Eldredge WJ; et al, *Radiol Clin North Am* 1986; 24: 503

lower extremity swelling: computerized tomography following negative venography, Pillari G; Zito J; Chang JB; et al, *Cardiovasc Intervent Radiol* 1987; 10: 261

prominent collateral vein in portal hypertension mimicking liver tumours: a pitfall in computed tomography, Yamauchi T; Itai Y; Furui S; et al, *Br J Radiol* 1987; 60: 531

puerperal ovarian vein thrombosis: evaluation with CT, US and MR imaging, Savader SJ; Otero RR; Savader BL, *Radiology* 1988; 167: 637

review of computed tomography findings in thrombosis of the major abdominal venous pathways, Castillo M; Nunez D; Morillo G, *CT* 1986; 10: 205

Veins, cystic

staining in the liver surrounding gallbladder fossa on hepatic arteriography caused by increased cystic venous drainage, Matsui O; Takashima T; Kadoya M; et al, *Gastrointest Radiol* 1987; 12: 307

Veins, epidural

CT in thrombosed dilated posterior epidural vein, Bammatter S; Schnyder P; De Preux J, *Eur J Radiol* 1987; 7: 116

Veins, extremities

angiography in the in situ saphenous vein bypass, Dan SJ; Train JS; Mitty HA; et al, *AJR* 1986; 147: 51

B-mode evaluation of peripheral veins, Talbot SR, *Semin US CT MR* 1988; 9: 295

deep venous thrombosis: detection by probe compression of veins, Raghavendra BN; Horii SC; Hilton S; et al, *J Ultrasound Med* 1986; 5: 89

deep venous thrombosis evaluation with limited-flip-angle, gradient-refocused MR imaging: preliminary experience, Spritzer CE; Sussman SK; Blinder RA; Saeed M; Herfkens RJ, *Radiology* 1988; 166: 371

deep venous thrombosis of the lower extremity: US evaluation, Vogel P; Laing FC; Jeffrey RB Jr; Wing VW, *Radiology* 1987; 163: 747

deep venous thrombosis: US assessment using vein compression, Cronan JJ; Dorfman GS; Scola FH; Schepps B; Alexander J, *Radiology* 1987; 162: 191

diagnosing iliofemoral vein occlusion from radionuclide blood pool venography, McCalley MG; Braunstein P, *Clin Nucl Med* 1987; 12: 180

diagnosis of femoropopliteal venous thrombosis: comparison of duplex sonography and plethysmography, Rosner NH; Doris PE, *AJR* 1988; 150: 623

entrapment of below-the-knee bypass grafts, LeVein RF; Batterman HJ; Billman LA; et al, *Cardiovasc Intervent Radiol* 1986; 9: 100

free-floating iliofemoral thrombus: risk of pulmonary embolism, (ab), Norris CS; Greenfield LJ; Herrmann JB, *Radiology* 1986; 158: 281

graft patency evaluation with DSA after reconstructive venous surgery, Morano JU; Burkhalter JL, *Radiology* 1986; 160: 267

in situ saphenous vein bypass graft: radiologic aspects, Schwarz W; Nozick J; Richmond D; et al, *AJR* 1986; 146: 605

lateral thigh varicose veins: a phlebographic study, Thomas ML; Chan O, *Br J Radiol* 1988; 61: 372

lower-extremity venous thrombosis: comparison of venography, impedance plethysmography, and intravenous manometry, Cardella JF; Young AT; Smith TP; Darcy MD; Hunter DW; Castaneda-Zuniga WR; Knighton D; Nelson D; Amplatz K, *Radiology* 1988; 168: 109

popliteal venous aneurysm, Ross GJ; Violi L; Barber LW; Vujic I, *Radiology* 1988; 168: 721

real-time ultrasound diagnosis of deep vein thrombosis: comparison with venography, Aitken AGF; Godden DJ, *Clin Radiol* 1987; 38: 309

recurrent groin varicose veins: an assessment by descending phlebography, Thomas ML; Phillips GW, *Br J Radiol* 1988; 61: 294

selective stripping operation based on Doppler ultrasonic findings for primary varicose veins of the lower extremities, (ab), Koyano K; Sakaguchi S, *Radiology* 1988; 169: 885

technetium-99m MDP uptake in chronic venous insufficiency, Lucas-Fehm LM; Makler PT Jr; Shapiro B, *Clin Nucl Med* 1986; 11: 803

upper-extremity venography using digital subtraction angiography, Kinnison ML; Kaufman SL; Chang R; et al, *Cardiovasc Intervent Radiol* 1986; 9: 106

varicography in the management of primary varicose veins, Keeling FP; Thomas ML, *Br J Radiol* 1987; 60: 235

Veins, Galen
cranial duplex sonography of the infant, Grant EG; White EM; Schellinger D; Choyke PL; Sarcone AL, *Radiology* 1987; 163: 177

flow velocity in cerebral arteries in the newborn, van Bel F, *Radiology* 1988; 166: 904

flow velocity in cerebral arteries in the newborn: reply, Grant E, *Radiology* 1988; 166: 905

MRI of an aneurysm of the vein of Galen, Roosen N; Schirmer M; Lins E; et al, *AJNR* 1986; 7: 733

prenatal diagnosis of arteriovenous malformation of the vein of Galen, Reiter AA; Huhta JC; Carpenter RJ Jr; et al, *JCU* 1986; 14: 623

retrievable Gianturco-coil introducer, Hawkins J; Quisling RG; Mickle JP; Hawkins IF, *Radiology* 1986; 158: 262

spontaneous thrombosis of a vein of Galen aneurysm, Whitaker JB; Latack JT; Venes JL, *AJNR* 1987; 8: 1134

un cas d'exophthalmie par MAV de la region de l'ampoule de Galien a drainage veineux ophthalmique: traitement par voie endovasculaire (case of exophthalmos due to an AVM in Galen's vein area with ophthalmic venous drainage: treatment by the endovascular route), Laurent A; Guimaraens L; Rufenacht D; et al, *J Neuroradiol* 1986; 13: 181

Veins, grafts and prostheses
angiography in the in situ saphenous vein bypass, Dan SJ; Train JS; Mitty HA; et al, *AJR* 1986; 147: 51

angiographic thromboembolism: preliminary observations with a recent technique, (ab), White GH; White RA; Kopchok GE; et al, *Radiology* 1988; 169: 292

comparative evaluation of prosthetic, reversed, and in situ vein bypass grafts in distal popliteal and tibial-peroneal revascularization, (ab), Veterans Administration Cooperative Study Group 141, *Radiology* 1988; 169: 293

deep venous thrombosis of the lower extremity: US evaluation, Vogel P; Laing FC; Jeffrey RB Jr; Wing VW, *Radiology* 1987; 163: 747

endovascular stenting of veins and grafts: preliminary clinical experience, Zollikofer CL; Largiadier I; Bruhlmann WF; Uhlenschmid GK; Marty AH, *Radiology* 1988; 167: 707

experimental intrahepatic portacaval anastomosis: use of expandable Gianturco stents, Rosch J; Uchida BT; Putnam JS; Buschman RW; Law RD; Hershey AL, *Radiology* 1987; 162: 481

radionuclide angiography in the evaluation of arterial and venous grafts, Rudavsky AZ, *Semin Nucl Med* 1988; 18: 261

salvage of in situ femoropopliteal and femorotibial saphenous vein bypass with interventional radiology, (ab), Kalman PG; Sniderman KW, *Radiology* 1988; 169: 292

self-expanding endovascular prosthesis: an experimental study, Rousseau H; Fuel J; Joffre F; Sigwart U; Dubouché C; Imbert C; Knight C; Kropf L; Wallsten H, *Radiology* 1987; 164: 709

totally autogenous venovenous composite bypass grafts: salvage of the almost irretrievable extremity, (ab), Harris RW; Andros G; Salles-Cunha SX, *Radiology* 1987; 163: 292

transluminal angioplasty in the treatment of mesenteric vein graft stenosis, Howd A; Loose H; Chamberlain J, *Cardiovasc Intervent Radiol* 1987; 10: 43

Veins, hemiazygos
normal and occluded mediastinal veins: MR imaging, McMurdo KK; de Geer G; Webb WR; Gamsu G, *Radiology* 1986; 159: 33

Veins, hepatic
See Hepatic veins

Veins, iliac
disappearing iliac vessels: an MR phase cancellation phenomenon, Mayo JR; McVeigh ER; Hoffman N; Poon PY; Henkelman RM, *Radiology* 1987; 164: 555

intravascular tumors: transvenous biopsy, Withers CE; Casola G; Herba MJ; Viloria J, *Radiology* 1988; 167: 713

sonographic demonstration of iliac venous thrombosis in the maternity patient, Frede TE; Ruthberg BN, *J Ultrasound Med* 1988; 7: 33

technetium-99m RBC venography revealing bilateral iliac vein obstruction, Lisann NM; Palestro CJ; Benua RS, *Clin Nucl Med* 1986; 11: 598

unilateral left leg edema: variation of the May-Thurner syndrome, Hassell DR; Reifsteck JE; Harshfield DL; et al, *Cardiovasc Intervent Radiol* 1987; 10: 89

Veins, injuries
interventional radiology in appendicular skeletal trauma, Fisher RG; Ben-Menachem Y, *Radiol Clin North Am* 1987; 25: 1203

Veins, innominate
anomalous course of the brachiocephalic vein diagnosed by two-dimensional echocardiography in a child with left aortic isomerism and right aortic arch, Towbin JA; Huhta JC; Nihill MR, *JCU* 1987; 15: 544

comparison of brachiocephalic angiography and IVDSA in the same group of patients, Thijssen HOM; Merx JL; Mostart JEJ; et al, *Neuroradiol* 1988; 30: 91

normal and occluded mediastinal veins: MR imaging, McMurdo KK; de Geer G; Webb WR; Gamsu G, *Radiology* 1986; 159: 33

percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Ingram TL; Reid SH; Tisnado J; Cho S-R; Posner MP, *Radiology* 1988; 166: 45

percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Daniell SJN; Dacie JE, *Radiology* 1988; 169: 280

percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts: reply, Ingram TL; Reid SH; Cho S-R; Tisnado J, *Radiology* 1988; 169: 280

superior vena caval placement of a Kimray-Greenfield filter, Pais SO; De Orchis DF; Mirvis SE, *Radiology* 1987; 165: 385
thoracic venous anatomy, Godwin JD; Chen JTT, *AJR* 1986; 147: 674

Veins, interventional procedure

See Veins, transluminal angioplasty

Veins, jugular

diagnosis of internal jugular vein thrombosis, Albertson LE; Alcock MK, *Radiology* 1987; 162: 505

digital vascular imaging of neck veins for the insertion of chronic venous access catheters, Sopitt D; Rich AJ; Robson RA, *Clin Radiol* 1986; 37: 147

internal jugular vein thrombosis, (ab), Cohen JF; Persky MS; Reede DL, *Radiology* 1986; 161: 862

massive jugular and dural sinus reflux associated with cerebral death, Shore RM; Rao BK; Berg OB, *Pediatr Radiol* 1988; 18: 164

MR imaging of transverse/sigmoid dural sinus and jugular vein thrombosis, McArdle CB; Mirfakhraee M; Amparo EG; et al, *JCAT* 1987; 11: 831

real-time ultrasound diagnosis of internal jugular vein thrombosis, de Witte BR; Lameris JS, *JCU* 1986; 14: 712

sonographic diagnosis of subclavian and internal jugular vein thrombosis, Weissleder R; Elzondo G; Stark DD, *J Ultrasound Med* 1987; 6: 577

thoracic venous anatomy, Godwin JD; Chen JTT, *AJR* 1986; 147: 674

unidirectional 8-MHz continuous wave Doppler equipment can facilitate catheterization of the internal jugular vein, Schregel W; Straub H; Singbartl G, *J Ultrasound Med* 1986; 5: 421

Veins, mesenteric

case of the season, Pieterman H, Semin Roentgenol 1988; 23: 91

CT findings in acute thrombosis of superior mesenteric vein aneurysm, Wise RH Jr; Retterbush DW; Stanley RJ, *JCAT* 1987; 11: 172

CT findings in acute thrombosis of superior mesenteric vein aneurysm, Wise RH Jr; Retterbush DW; Stanley RJ, *JCAT* 1987; 11: 172

gastrointestinal hemorrhage associated with chronic mesenteric venous occlusion, (ab), Soper NJ; Rikkers LF; Miller FJ, *Radiology* 1986; 158: 858

heavenly twins: useful anatomic landmarks in C.T. and ultrasound of the abdomen, Albertyn L, *Australas Radiol* 1987; 31: 278

mesenteric vein thrombosis: early CT and US diagnosis and conservative management, Matos C; Van Gansbeke D; Zalcman M; et al, *Gastrointest Radiol* 1986; 11: 322

percutaneous transhepatic recanalization and thrombolysis of the superior mesenteric vein, Yankes JR; Uglietta JP; Grant J; et al, *AJR* 1988; 151: 289

predictive value of ultrasonography in the screening of non-ascitic cirrhotic patients with large varices, Cottone M; D'Amico G; Maringhini A; et al, *J Ultrasound Med* 1986; 5: 189

thrombosis of the splanchnic veins: CT diagnosis, Vogelzang RL; Gore RM; Anschuetz SL; et al, *AJR* 1988; 150: 93

transluminal angioplasty in the treatment of mesenteric vein graft stenosis, Howd A; Loose H; Chamberlain J, *Cardiovasc Intervent Radiol* 1987; 10: 43

ultrasonic demonstration of superior mesenteric and splenoportal venous thrombosis, Kidambi H; Herbert R; Kidambi AV, *JCU* 1986; 14: 199

ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis, Freling NJM; Schuur KH; Haagsma EB; et al, *JCU* 1986; 14: 554

Veins, MR studies

deep venous thrombosis evaluation with limited-flip-angle, gradient-refocused MR imaging: preliminary experience, Spritzer CE; Sussman SK; Blinder RA; Saeed M; Herfkens RJ, *Radiology* 1988; 166: 371

disappearing iliac vessels: an MR phase cancellation phenomenon, Mayo JR; McVeigh ER; Hoffman N; Poon PY; Henkelman RM, *Radiology* 1987; 164: 555

interruption of systemic venous return with portal continuation: assessment using magnetic resonance imaging, Lewin B; Huber DJ; Pillari G; et al, *Cardiovasc Intervent Radiol* 1987; 10: 254

magnetic resonance imaging of systemic venous anomalies, Ellis JH; Denham JS; Bies JR; et al, *Comput Radiol* 1986; 10: 15

MRI of angiographically occult vascular malformations, Lemme-Plagios L; Kucharczyk W; Brant-Zawadzki M; et al, *AJR* 1986; 146: 1223

MRI study of dural arteriovenous fistulae draining into the external spinal veins: seven cases, Assouline E; Gelbert F; Dormont D; et al, *J Neuroradiol* 1988; 15: 1

MRI visualization of the aortic nipple, Medrea M; Meydam K; Schmitt WG, *Cardiovasc Intervent Radiol* 1988; 11: 29

normal and occluded mediastinal veins: MR imaging, McMurdo KK; de Geer G; Webb WR; Gamsu G, *Radiology* 1986; 159: 33

portosystemic collaterals on MR imaging, Ohtomo K; Itai Y; Makita K; et al, *JCAT* 1986; 10: 751

puerperal ovarian vein thrombosis: evaluation with CT, US and MR imaging, Savader SJ; Otero RR; Savader BL, *Radiology* 1988; 167: 637

puerperal ovarian vein thrombosis: MR diagnosis, Mintz MC; Levy DW; Axel L; et al, *AJR* 1987; 149: 1273

spatial presaturation: a method for suppressing flow artifacts and improving depiction of vascular anatomy in MR imaging, Felmler JP; Ehman RL, *Radiology* 1987; 164: 559

venous clots: evaluation with MR imaging, Rapoport S; Sostman HD; Pope C; Campaturo CM; Holcomb W; Gore JC, *Radiology* 1987; 164: 527

Veins, ophthalmic

orbital lesions: proton spectroscopic phase-dependent contrast MR imaging, Atlas SW; Grossman RI; Axel L; Hackney DB; Bilaniuk LT; Goldberg HI; Zimmerman RA, *Radiology* 1987; 164: 510

Veins, ovarian

aneurysm of the right ovarian vein—unusual cause of pulmonary embolism, Kaufmann K; Sorensen R; Bauknecht K; et al, *Cardiovasc Intervent Radiol* 1987; 10: 100

duplex Doppler evaluation of puerperal ovarian vein thrombosis, Baran GW; Frisch KM, *AJR* 1987; 149: 321

MRI of puerperal ovarian vein thrombosis (case report), Martin B; Mulopulos GP; Bryan PJ, *AJR* 1986; 147: 291

puerperal ovarian vein thrombosis: evaluation with CT, US and MR imaging, Savader SJ; Otero RR; Savader BL, *Radiology* 1988; 167: 637

puerperal ovarian vein thrombosis: MR diagnosis, Mintz MC; Levy DW; Axel L; et al, *AJR* 1987; 149: 1273

Veins, pelvic

graft patency evaluation with DSA after reconstructive venous surgery, Morano JU; Burkhalter JL, *Radiology* 1986; 160: 267

radionuclide venography: imaging monitor in deep-vein thrombosis of the pelvis and lower extremities, Sy WM; Seo IS, *Br J Radiol* 1986; 59: 325

Veins, popliteal

See also Veins, extremities

popliteal vein thrombosis and popliteal artery pseudoaneurysm complicating osteochondroma of the femur, Lizama VA; Zerbinì MA; Gagliardi RA; et al, *AJR* 1987; 148: 783

popliteal venous aneurysm, Ross GJ; Violi L; Barber LW; Vujic I, *Radiology* 1988; 168: 721

successful vein bypass in patients with an ischemic limb and palpable popliteal pulse, (ab), Cantelmo NL; Snow JR; Menzoian JO; et al, *Radiology* 1986; 160: 287

Veins, portal

See Portal vein

Veins, prostheses

See Veins, grafts and prostheses

Veins, pulmonary

See Pulmonary veins

Veins, radionuclide studies

diagnosing iliofemoral vein occlusion from radionuclide blood pool venography, McCalley MG; Braunstein P, *Clin Nucl Med* 1987; 12: 180

patent umbilical vein: diagnosis by technetium-99m tagged red blood cell scintigraphy, Gouse JC; Williamson BRJ; Brookeman VA; et al, *Clin Nucl Med* 1987; 12: 424

visualization of distal splenorenal shunt by isotopic splenovenography, Sukigara M; Komazaki T; Koga K; et al, *Clin Nucl Med* 1987; 12: 189

Veins, renal

See Renal veins

Veins, spermatic

idiopathic varicoceles: feasibility of percutaneous sclerotherapy, Sigmund G; Bahren W; Gall H; Lenz M; Thon W, *Radiology* 1987; 164: 161

left spermatic vein in left-sided vena cava, Wilms GE; Oyen R; Baert AL, *Cardiovasc Intervent Radiol* 1987; 10: 258

management of male infertility: roles of contact thermography, spermatic venography, and embolization, Pochaczewski R; Lee WJ; Mallett E, *AJR* 1986; 147: 97

percutaneous spermatic vein occlusion: evaluation of sclerosing agents in experimental animals, Kinnison ML; Kadir S; Strandberg JD; Anderson JH; White RI Jr, *Radiology* 1986; 161: 299

percutaneous transluminal treatment of varicoceles: where to occlude the internal spermatic vein, Fobbe F; Hamm B; Sørensen R; et al, *AJR* 1987; 149: 983

right-sided varicocele: technique and clinical results of balloon embolotherapy from the femoral approach, Shuman L; White RI Jr; Mitchell SE; Kadir S; Kaufman SL; Chang R, *Radiology* 1986; 158: 787

spermatic vein embolization with hot contrast material: fertility results, Smith TP; Hunter DW; Cragg AH; Darcy MD; Castaneda-Zuniga WR; Sinclair TR; Ercole C; Hulbert JC; Kaye KW; Anplatz K, *Radiology* 1988; 168: 137

spermatic venography in undescended testes, Riebel T; Gonnemann D; Willig R-P, *Pediatr Radiol* 1987; 17: 39

Veins, splenic

predictive value of ultrasonography in the screening of non-ascitic cirrhotic patients with large varices, Cottone M; D'Amico G; Maringhini A; et al, *J Ultrasound Med* 1986; 5: 189

pseudocyst in splenic hilus with splenic vein thrombosis: case presentation and review, Engel A; Adler OB; Keidar S, *Eur J Radiol* 1987; 7: 213

radiogallium hot spleen in Trousseau's syndrome with splenic vein occlusion, Dey HM; Karimeddini MK; Ciesielski TE; et al, *Clin Nucl Med* 1986; 11: 640

thrombosis of the splanchnic veins: CT diagnosis, Vogelzang RL; Gore RM; Anschuetz SL; et al, *AJR* 1988; 150: 93

visualization of distal splenorenal shunt by isotopic splenovenography, Sukigara M; Komazaki T; Koga K; et al, *Clin Nucl Med* 1987; 12: 189

Veins, stenosis or obstruction

axillary and subclavian vein stenosis: percutaneous angioplasty, Glanz S; Gordon DH; Lipkowitz GS; Butt KM; Hong J; Scialfani SJA, *Radiology* 1988; 168: 371

diagnosing iliofemoral vein occlusion from radionuclide blood pool venography, McCalley MG; Braunstein P, *Clin Nucl Med* 1987; 12: 180

venocclusive disease of the liver after allogeneic bone marrow transplantation in man, Ganem G; Girardin M-F S-M; Kuentz M; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 879

Veins, subclavian

axillary and subclavian vein stenosis: percutaneous angioplasty, Glanz S; Gordon DH; Lipkowitz GS; Butt KM; Hong J; Scialfani SJA, *Radiology* 1988; 168: 371

digital subtraction venography in central venous obstruction, Benenati JF; Becker GJ; Mail JT; et al, *AJR* 1986; 147: 685

low-dose streptokinase thrombolysis of axillary-subclavian vein thrombosis, Huey H; Morris DC; Nichols DM; et al, *Cardiovasc Intervent Radiol* 1987; 10: 92

Veins, subclavian

- obstruction of the superior vena cava or subclavian veins: sonographic diagnosis, Gooding GAW; Hightower DR; Moore EH; Dillon WP; Lipton MJ, *Radiology* 1986; 159: 663
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Ingram TL; Reid SH; Tisnado J; Cho S-R; Posner MP, *Radiology* 1988; 166: 45
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Daniell SJN; Dacie JE, *Radiology* 1988; 169: 280
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts: reply, Ingram TL; Reid SH; Cho S-R; Tisnado J, *Radiology* 1988; 169: 280
- sonographic diagnosis of subclavian and internal jugular vein thrombosis, Weissleder R; Elizondo G; Stark DD, *J Ultrasound Med* 1987; 6: 577
- subclavian and axillary vein thrombosis following radiotherapy for carcinoma of the breast, Wilson CB; Lambert HE; Scott RD, *Clin Radiol* 1987; 38: 95
- superior vena caval placement of a Kimray-Greenfield filter, Pais SO; De Orchis DF; Mirvis SE, *Radiology* 1987; 165: 385
- superior vena cava syndrome and bilateral subclavian vein thrombosis: CT and radionuclide venography correlation, Conte FA; Orzell JA, *Clin Nucl Med* 1986; 11: 698
- thoracic venous anatomy, Godwin JD; Chen JTT, *AJR* 1986; 147: 674
- thrombolytic therapy in catheter-related subclavian venous thrombosis, Kramer FL; Goodman J; Allen S, *J Canad Assoc Radiol* 1987; 38: 106
- ultrasound-guided catheterization of the subclavian vein, Yonei A; Yokota K; Yamashita S; et al, *JCU* 1988; 16: 499
- Veins, therapeutic blockade**
- arteriovenous fistula of the internal maxillary artery: treatment with transarterial embolization, Halbach VV; Higashida RT; Hieshima GB; Hardin CW, *Radiology* 1988; 168: 443
- chronic portosystemic encephalopathy: embolization of portosystemic shunts, Uflacker R; de O e Silva A; Carneiro d'Albuquerque LA; Piske RL; Mourao GS, *Radiology* 1987; 165: 721
- idiopathic varicocele: feasibility of percutaneous sclerotherapy, Sigmund G; Bahren W; Gall H; Lenz M; Thon W, *Radiology* 1987; 164: 161
- left spermatic vein in left-sided vena cava, Wilms GE; Oyen R; Baert AL, *Cardiovasc Intervent Radiol* 1987; 10: 258
- percutaneous spermatic vein occlusion: evaluation of sclerosing agents in experimental animals, Kinnison ML; Kadir S; Strandberg JD; Anderson JH; White RI Jr, *Radiology* 1986; 161: 299
- percutaneous transperineal embolization of esophageal varices in a 5-year-old child, Rasnaka G; Wermenski K; Rajszys P, *Acta Radiol* 1987; 28: 299
- percutaneous vascular intervention after surgical shunting for portal hypertension, Ruff RJ; Chuang VP; Alspaugh JP; Casarella WJ; Tuten TU; Gaylord GM, *Radiology* 1987; 164: 469
- retrievable Gianturco-coil introducer, Hawkins J; Quisling RG; Mickle JP; Hawkins IF, *Radiology* 1986; 158: 262
- right-sided varicocele: technique and clinical results of balloon embolotherapy from the femoral approach, Shuman L; White RI Jr; Mitchell SE; Kadir S; Kaufman SL; Chang R, *Radiology* 1986; 158: 787
- spermatic vein embolization with hot contrast material: fertility results, Smith TP; Hunter DW; Cragg AH; Darcy MD; Castaneda-Zuniga WR; Sinclair TR; Ercole C; Hulbert JC; Kaye KW; Anplatz K, *Radiology* 1988; 168: 137
- steel occlusion coils: pretreatment with thrombin, McLean GK; Stein EJ; Burke DR; Meranze SG, *Radiology* 1986; 158: 549
- varicocele: distal occlusion with coaxial catheter system, Berger T; Sorensen R, *Radiology* 1987; 162: 271

Veins, thyroid

- appearance of the inferior thyroid veins on computed tomography, Belli A-M; Ingram CE; Heron CW; et al, *Br J Radiol* 1988; 61: 125

Veins, transluminal angioplasty

- axillary and subclavian vein stenosis: percutaneous angioplasty, Glanz S; Gordon DH; Lipkowitz GS; Butt KMH; Hong J; Sclafani SJA, *Radiology* 1988; 168: 371
- complications of central venous catheters diagnosed by computed tomography, Schwartz ML; Shin MS, *CT* 1987; 11: 267
- elastic characteristics of the self-expanding metallic stents, Fallone BG; Wallace S; Gianturco C, *Invest Radiol* 1988; 23: 370
- endovascular stenting of veins and grafts: preliminary clinical experience, Zollhofer CL; Lardiadi I; Bruhlmann WF; Uhlschmid GK; Marty AH, *Radiology* 1988; 167: 707
- geometry of triple-balloon dilation, Gaylord GM; Pritchard WF; Chuang VP; Casarella WJ; Sprawls P, *Radiology* 1988; 166: 541
- late venous rupture after angioplasty of an arteriovenous dialysis fistula, Bourne EE, *AJR* 1988; 150: 797
- percutaneous large bore venotomy and tract creation: comparison of sequential dilation and angioplasty balloon methods in a porcine model, preliminary report, Dorfman GS; Esparza AR; Cronan JJ, *Invest Radiol* 1988; 23: 441
- percutaneous transfemoral placement of the Kimray-Greenfield vena cava filter, Rose BS; Simon DC; Hess ML; Van Aman ME, *Radiology* 1987; 165: 373
- percutaneous transhepatic recanalization and thrombolysis of the superior mesenteric vein, Yankes JR; Uglietta JP; Grant J; et al, *AJR* 1988; 151: 289
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Ingram TL; Reid SH; Tisnado J; Cho S-R; Posner MP, *Radiology* 1988; 166: 45
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts, Daniell SJN; Dacie JE, *Radiology* 1988; 169: 280
- percutaneous transluminal angioplasty of brachiocephalic vein stenoses in patients with dialysis shunts: reply, Ingram TL; Reid SH; Cho S-R; Tisnado J, *Radiology* 1988; 169: 280
- percutaneous transluminal treatment of varicocele: where to occlude the internal spermatic vein, Fobbe F; Hamm B; Sorensen R; et al, *AJR* 1987; 149: 983
- percutaneous vascular intervention after surgical shunting for portal hypertension, Ruff RJ; Chuang VP; Alspaugh JP; Casarella WJ; Tuten TU; Gaylord GM, *Radiology* 1987; 164: 469
- recanalization of occluded superior vena cava for replacement of LeVeen shunt catheter, Vujic I; Moore LB; LeVeen HH, *Radiology* 1987; 164: 270
- stenoses in dialysis fistulas: treatment with percutaneous angioplasty, Saeed M; Newman GE; McCann RL; Sussman SK; Braun SD; Dunnick NR, *Radiology* 1987; 164: 693
- streamlining operation of an admitting service for interventional radiology, White RI Jr; Rizer DM; Shuman KR; White EJ; Adams PE; Kinnison ML; Mitchell SE; Osterman FA Jr, *Radiology* 1988; 168: 127
- transluminal angioplasty in the treatment of mesenteric vein graft stenosis, Howd A; Loose H; Chamberlain J, *Cardiovasc Intervent Radiol* 1987; 10: 43
- transluminal angioplasty of a stenotic surgical splenorenal shunt, Van Beers B; Roche A; Cauquil P, *Acta Radiol* 1988; 29: 327

Veins, umbilical

- aneurysmal dilatation of a patent umbilical vein masquerading as a pancreatic pseudocyst: CT characteristics, Khouri MR; Mintz MC; Coleman BG, *JCAT* 1988; 12: 662
- Doppler evaluation of umbilical venous and arterial blood flow in the second and third trimesters of normal pregnancy, (ab), Gerson AG; Wallace DM; Stiller RJ; et al, *Radiology* 1988; 166: 911
- patent umbilical vein: diagnosis by technetium-99m tagged red blood cell scintigraphy, Gouse JC; Williamson BRJ; Brookeman VA; et al, *Clin Nucl Med* 1987; 12: 424

- ultrasonographic diagnosis of ectasia of the umbilical vein, Vesce F; Guerrini P; Perri G; et al, *JCU* 1987; 15: 346

- visualization of a recanalized umbilical vein on Tc-99m disofenin cholescintigraphy, Warshaw D; Soldano L, *Clin Nucl Med* 1988; 13: 621

Veins, US studies

- anatomy and duplex characteristics of the normal deep veins, Zwiebel WJ, *Semin US CT MR* 1988; 9: 269
- B-mode evaluation of peripheral veins, Talbot SR, *Semin US CT MR* 1988; 9: 295
- cardiovascular applications of multi-gate pulsed Doppler systems, Reneman RS; van Merode T; Hick P; et al, *Ultrasound Med Biol* 1986; 12: 357
- cranial duplex sonography of the infant, Grant EG; White EM; Schellinger D; Choyce PL; Sarcone AL, *Radiology* 1987; 163: 177
- deep venous thrombosis of the leg: US findings, Appelmann PT; De Jong TE; Lampmann LE, *Radiology* 1987; 163: 743
- diagnosis of internal jugular vein thrombosis, Albertyn LE; Alcock MK, *Radiology* 1987; 162: 505
- flow velocity in cerebral arteries in the newborn, van Bel F, *Radiology* 1988; 166: 904
- flow velocity in cerebral arteries in the newborn: reply, Grant E, *Radiology* 1988; 166: 905
- popliteal venous aneurysm, Ross GJ; Violi L; Barber LW; Vujic I, *Radiology* 1988; 168: 721
- preoperative saphenous and cephalic vein mapping as an adjunct to reconstructive arterial surgery, (ab), Seeger JM; Schmidt JH; Flynn TC, *Radiology* 1987; 165: 885
- puerperal ovarian vein thrombosis: evaluation with CT, US and MR imaging, Savader SJ; Otero RR; Savader BL, *Radiology* 1988; 167: 637
- real-time ultrasound diagnosis of deep vein thrombosis: comparison with venography, Aitken AGF; Godden DJ, *Clin Radiol* 1987; 38: 309
- selective stripping operation based on Doppler ultrasonic findings for primary varicose veins of the lower extremities, (ab), Koyano K; Sakaguchi S, *Radiology* 1988; 169: 885
- sonographic demonstration of iliac venous thrombosis in the maternity patient, Frede TE; Ruthberg BN, *J Ultrasound Med* 1988; 7: 33
- sonographic diagnosis of subclavian and internal jugular vein thrombosis, Weissleder R; Elizondo G; Stark DD, *J Ultrasound Med* 1987; 6: 577
- sources of error in duplex venography and an algorithmic approach to the diagnosis of deep venous thrombosis, Zwiebel WJ, *Semin US CT MR* 1988; 9: 286
- ultrasonographic diagnosis of ectasia of the umbilical vein, Vesce F; Guerrini P; Perri G; et al, *JCU* 1987; 15: 346
- ultrasound as first imaging modality in superior mesenteric and portal vein thrombosis, Freling NJM; Schuur KH; Haagsma EB; et al, *JCU* 1986; 14: 554
- Veins, vertebral**
- fistules arterio-venueuses intracraniales extramedullaires multiples a drainage venieux medullaire "libre" (multiple intrathecal extramedullary arteriovenous fistulae draining "freely" into the spinal veins), Thiebot J; Clavier E; Tadie M; et al, *J Neuroradiol* 1986; 13: 173
- thoracic venous anatomy, Godwin JD; Chen JTT, *AJR* 1986; 147: 674
- Venae cavae**
- role of irradiation in the management of superior vena cava syndrome, Armstrong BA; Perez CA; Simpson JR; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 531
- thoracic venous anatomy, Godwin JD; Chen JTT, *AJR* 1986; 147: 674
- Venae cavae, abnormalities**
- anomalous inferior vena cava with lumbar vein thrombosis: CT diagnosis, Olazabal A; Mata JM; Rams A, *Eur J Radiol* 1987; 7: 220
- biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J, *Radiology* 1987; 163: 377

- case report: interruption of inferior vena cava with anomalous continuations, Arakawa A; Nagata Y; Miyagi S; et al, *CT* 1987; 11: 341
- collapsed inferior vena cava: CT evidence of hypovolemia, Jeffrey RB Jr; Federle MP, *AJR* 1988; 150: 431
- combined contrast echocardiographic and hemodynamic evaluation of atrial septal defect associated with persistent left superior vena cava and partial anomalous pulmonary venous connection, Ferrara N; Zarr AMF; Vigorito C; et al, *JCU* 1987; 15: 64
- computed tomography of vena caval anomalies with embryologic correlation, Kellman GM; Alpern MB; Sandler MA; Craig BM, *Radiographics* 1988; 8: 533
- concurrent duplication and azygos continuation of the inferior vena cava, Coscina WF; Arger PH; Mintz MC; et al, *CT* 1986; 10: 287
- congenital heart disease: gated MR imaging in 72 patients, Didier D; Higgins CB; Fisher MR; Osaki L; Silverman NH; Cheitlin MD, *Radiology* 1986; 158: 227
- congenital heart disease: gated MR imaging in 72 patients, Julsrud PR, *Radiology* 1986; 161: 277
- congenital heart disease: gated MR imaging in 72 patients: reply, Didier D, *Radiology* 1986; 161: 278
- CT diagnosis of periureteric venous ring, Hattori N; Fujikawa J; Kubo K; et al, *JCAT* 1986; 10: 1078
- double inferior vena cava diagnosis by technetium-99m labeled RBC study, Howard JL; Dhekne RD; Moore WH; et al, *Clin Nucl Med* 1988; 13: 671
- hemiazzygos continuation of a left inferior vena cava: CT appearance, Munehika H; Cohan RH; Baker ME; et al, *JCAT* 1988; 12: 328
- interruption of systemic venous return with portal continuation: assessment using magnetic resonance imaging, Lewin B; Huber DJ; Pillari G; et al, *Cardiovasc Intervent Radiol* 1987; 10: 254
- portal and hemiazzygos continuation of the inferior vena cava: report of an unusual case, Ghossain MA; Haddad SN; Aoun NJ; et al, *Br J Radiol* 1988; 61: 333
- postrenal segment aneurysm and infrahepatic interruption of the inferior vena cava: a case report, Stris MG; Finnanger AM, *Acta Radiol* 1987; 28: 545
- pre-operative and post-operative ultrasound evaluation of Budd Chiari syndrome due to coarctation of the inferior vena cava, Jayanthi V; Victor S; Dhala B; et al, *Clin Radiol* 1988; 39: 154
- radionuclide angiography of azygos continuation of inferior vena cava in left atrial isomerism (polysplenia syndrome), Roguin N; Lam M; Frenkel A; et al, *Clin Nucl Med* 1987; 12: 708
- right periureteric venous ring detected by computed tomography, Sasai K; Sano A; Imanaka K; et al, *JCAT* 1986; 10: 349
- superior vena caval abnormalities: their occurrence rate, associated cardiac abnormalities and angiographic classification in a paediatric population with congenital heart disease, Burski G; Jordan SC; Joffe HS; et al, *Clin Radiol* 1986; 37: 131
- unusual variant of left superior vena cava, Salomon A; Mendelson DS; Som PM, *CT* 1987; 11: 178
- Venae cavae, angiography**
- demonstration of persistent left superior vena cava by first pass radionuclide angiography, Cheng C-Y; Wang D-J; Chen W-L; et al, *Clin Nucl Med* 1987; 12: 843
- percutaneous insertion of the Kimray-Greenfield filter, Braun SD, *Radiology* 1988; 167: 283
- percutaneous insertion of the Kimray-Greenfield filter: technical considerations and problems, Pais SO; Mirvis SE; De Orchiis DF, *Radiology* 1987; 165: 377
- superior vena cava obstruction: evaluation with digital subtraction angiography, Sharma RP; Keller CE; Shetty PC; Burke MW, *Radiology* 1986; 160: 845
- Venae cavae, CT**
- anomalous inferior vena cava with lumbar vein thrombosis: CT diagnosis, Olazabal A; Mata JM; Rams A, *Eur J Radiol* 1987; 7: 220
- asymptomatic leiomyosarcoma of the inferior vena cava: incidental finding at ultrasonography, Cederlund C-G; Edin R, *Acta Radiol* 1987; 28: 181
- cine computed tomography for diagnosis of superior vena cava obstruction following the mustard operation, Matherne GP; Frey EE; Atkins DL; et al, *Pediatr Radiol* 1987; 17: 246
- computed tomography of leiomyosarcoma of the inferior vena cava, Schnyder P; Boumghar M; Doenz F, *Eur J Radiol* 1987; 7: 206
- computed tomography of superior vena cava obstruction, Yedlicka JW Jr; Cormier MG; Gray R; et al, *J Thorac Imag* 1987; 2: 72
- computed tomography of vena caval anomalies with embryologic correlation, Kellman GM; Alpern MB; Sandler MA; Craig BM, *Radiographics* 1988; 8: 533
- concurrent duplication and azygos continuation of the inferior vena cava, Coscina WF; Arger PH; Mintz MC; et al, *CT* 1986; 10: 287
- CT and MR demonstration of leiomyosarcoma of inferior vena cava, van Zanten TEG; Golding RP, *JCAT* 1987; 11: 670
- CT and MR imaging of leiomyosarcoma of the inferior vena cava, van Rooij WJJ; Martens F; Verbeeten B Jr; et al, *JCAT* 1988; 12: 415
- CT demonstration of extension of renal angiomyolipoma into the inferior vena cava in a patient with tuberous sclerosis, Camúñez F; Lafuente J; Robledo R; et al, *Urol Radiol* 1987; 9: 152
- CT diagnosis of periureteric venous ring, Hattori N; Fujikawa J; Kubo K; et al, *JCAT* 1986; 10: 1078
- hemiazzygos continuation of a left inferior vena cava: CT appearance, Munehika H; Cohan RH; Baker ME; et al, *JCAT* 1988; 12: 328
- idiopathic aneurysm of inferior vena cava: CT demonstration, Furukawa T; Yamada T; Mori Y; et al, *JCAT* 1986; 10: 1076
- inferior vena caval filters: noninvasive evaluation, Liu G-C; Angtuaco TL; Ferris EJ; Shah HR; Reifsteck JE; Harshfield DL, *Radiology* 1986; 160: 521
- inferior vena cava pseudothrombus in computed tomography using a contrast medium power injector: a potential pitfall, Fagelman D; Lawrence LP; Black KS; et al, *JCAT* 1987; 11: 1042
- invasion of the inferior vena cava by testicular seminoma: demonstration by computed tomography and venography, O'Brien WM; Choyke PL; Lynch JH; et al, *Urol Radiol* 1986; 8: 108
- tumor thrombus of the inferior vena cava secondary to malignant abdominal neoplasms: US and CT evaluation, Didier D; Racie A; Etievant JP; Weill F, *Radiology* 1987; 162: 83
- unusual variant of left superior vena cava, Salomon A; Mendelson DS; Som PM, *CT* 1987; 11: 178
- Venae cavae, filters**
- aberrant placement of a Kimray-Greenfield filter in the right atrium: percutaneous retrieval, Tsai FY; Myers TV; Ashraf A; Shah DC, *Radiology* 1988; 167: 423
- balloon dilation of the femoral vein expediting percutaneous Greenfield vena caval filter placement, Shetty PC; Bok LR; Burke MW; Sharma RP, *Radiology* 1986; 161: 275
- bird's nest inferior vena cava filter: progress report, Roehm JOF Jr; Johnsrude IS; Barth MH; Gianturco C, *Radiology* 1988; 168: 745
- cardiovascular/interventional radiology. RSNA '87 meeting notes, Hunter DW; Baum S; Becker GJ; Casarella WJ; Cragg AH; Darcy MD; Kopecky K; Smith TP, *Radiology* 1988; 166: 608
- CT evaluation of Kimray-Greenfield filter complications, Miller CL; Wechsler RJ, *AJR* 1986; 147: 45
- experience with the Amplatz retrievable vena caval filter: work in progress, Darcy MD; Cardella JF; Hunter DW; Smith TP; Castaneda-Zuniga WR; Lund GB; Amplatz K, *Radiology* 1986; 161: 611
- experimental comparison of percutaneous vena caval devices: titanium Greenfield filter versus bird's nest filter, (ab), Burke PE; Michna BA; Harvey CF; et al, *Radiology* 1988; 166: 589
- femoral arteriovenous fistula after placement of a Kimray-Greenfield filter, Grassi CJ; Bettmann MA; Rogoff P; et al, *AJR* 1988; 151: 681
- first clinical results with a new caval filter, Gunther RW; Schild H; Hollman JP; et al, *Cardiovasc Intervent Radiol* 1987; 10: 104
- Greenfield filter: percutaneous placement in 50 patients, Denny DF Jr; Dorfman GS; Cronan JJ; et al, *AJR* 1988; 150: 427
- Greenfield filter placement via the femoral vein: improved technique with extra-long sheath and purse-string suture, Zeit RM, *Radiology* 1987; 163: 575
- Greenfield filter placement with the extra-long sheath technique, Zeit RM, *Radiology* 1987; 165: 583
- inferior vena cava filters: in vitro comparison of clot trapping and flow dynamics, Katsamouris AA; Walman AC; Delichatsios MA; Athanasoulis CA, *Radiology* 1988; 166: 361
- inferior vena caval filters: noninvasive evaluation, Liu G-C; Angtuaco TL; Ferris EJ; Shah HR; Reifsteck JE; Harshfield DL, *Radiology* 1986; 160: 521
- inferior vena caval stent filter, Wallace MJ; Ogawa K; Wright KC; et al, *AJR* 1986; 147: 1247
- local intravascular effects of the nitinol wire blood clot filter, Prince MR; Salzman EW; Schoen FJ; et al, *Invest Radiol* 1988; 23: 294
- low-artifact intravascular devices: MR imaging evaluation, Teitelbaum GP; Ortega HV; Vinitski S; Stern H; Taurada JS; Mitchell DG; Rifkin MD; Bradley WG Jr, *Radiology* 1988; 168: 713
- misplacement of a vena cava filter in the retroperitoneum, Darcy MD; Smith TP; Hunter DW; et al, *Cardiovasc Intervent Radiol* 1987; 10: 37
- MR imaging artifacts, ferromagnetism, and magnetic torque of intravascular filters, stents, and coils, Teitelbaum GP; Bradley WG Jr; Klein BD, *Radiology* 1988; 166: 657
- MR imaging of inferior vena caval filters: safety and artifacts, Liebman CE; Messersmith RN; Levin DN; et al, *AJR* 1988; 150: 1174
- percutaneous insertion of the Kimray-Greenfield filter, Braun SD, *Radiology* 1988; 167: 283
- percutaneous insertion of the Kimray-Greenfield filter: incidence of femoral vein thrombosis, Kantor A; Glanz S; Gordon DH; et al, *AJR* 1987; 149: 1065
- percutaneous insertion of the Kimray-Greenfield filter: technical considerations and problems, Pais SO; Mirvis SE; De Orchiis DF, *Radiology* 1987; 165: 377
- percutaneous removal of intracardiac Greenfield vena caval filter, Deutsch L-S, *AJR* 1988; 151: 677
- percutaneous retrieval of Kimray-Greenfield filter from right atrium and placement in inferior vena cava, Yakes WF, *Radiology* 1988; 169: 849
- percutaneous transfemoral placement of the Kimray-Greenfield vena cava filter, Rose BS; Simon DC; Hess ML; Van Aman ME, *Radiology* 1987; 165: 373
- pulmonary embolism, haematemes and the Gunther vena caval filter, Mahendran M; Fitzgerald-Finch OP; Gwilt DJ, *Br J Radiol* 1987; 60: 595
- recurrent pulmonary embolism after Greenfield filter placement, Geisinger MA; Zelch MG; Risius B, *Radiology* 1987; 165: 383
- renal cell carcinoma invading the inferior vena cava: use of the Greenfield filter to prevent tumor emboli during nephrectomy, (ab), Rosenthal D; Gershon CK; Rudderman R, *Radiology* 1986; 158: 569
- retrieving the Amplatz retrievable vena cava filter, Hunter DW; Lung G; Rysavy JA; et al, *Cardiovasc Intervent Radiol* 1987; 10: 32
- short-term prophylaxis of pulmonary embolism by using a retrievable vena cava filter, Darcy MD; Smith TP; Hunter DW; et al, *AJR* 1986; 147: 836
- superior vena caval placement of a Kimray-Greenfield filter, Pais SO; De Orchiis DF; Mirvis SE, *Radiology* 1987; 165: 385

Venae cavae, filters

- vena cava filter insertion and angiographic diagnosis of pulmonary embolism. Kumpke D. *Cardiovasc Intervent Radiol* 1988; 11: 521
- Venae cavae, grafts and prostheses**
- stenosis of the vena cava: preliminary assessment of treatment with expandable metallic stents. Charnsangavej C; Carrasco CH; Wallace S; Wright KC; Ogawa K; Richli W; Gianturco C. *Radiology* 1986; 161: 295
- superior vena cava syndrome associated with massive thrombosis: treatment with expandable wire stents. Putnam JS; Uchida ET; Antonovic R; Rösch J. *Radiology* 1988; 167: 727
- Venae cavae, interventional procedure**
- percutaneous insertion of the Kimray-Greenfield filter. Braun SD. *Radiology* 1988; 167: 283
- Venae cavae, MR studies**
- calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging. von Schulthess GK; Augustiny N. *Radiology* 1987; 164: 549
- CT and MR demonstration of leiomyosarcoma of inferior vena cava. van Zanten TEG; Golding RP. *JCAT* 1987; 11: 670
- CT and MR imaging of leiomyosarcoma of the inferior vena cava. van Rooij WJJ; Martens F; Verbeeten B Jr; et al. *JCAT* 1988; 12: 415
- leiomyosarcoma of the superior vena cava: diagnosis by cardiac gated MR. Lupetin AR; Dash N; Beckman I. *Cardiovasc Intervent Radiol* 1986; 9: 103
- low-artifact intravascular devices: MR imaging evaluation. Teitelbaum GP; Ortega HV; Vinitski S; Stern H; Tsuruda JS; Mitchell DG; Rifkin MD; Bradley WG Jr. *Radiology* 1988; 168: 713
- MRI diagnosis of aortocaval fistula secondary to ruptured infrarenal abdominal aortic aneurysm. Lupetin AR; Dash N; Contractor FM. *Cardiovasc Intervent Radiol* 1987; 10: 24
- MR imaging artifacts, ferromagnetism, and magnetic torque of intravascular filters, stents, and coils. Teitelbaum GP; Bradley WG Jr; Klein BD. *Radiology* 1988; 166: 657
- MR imaging of inferior vena cava filters: safety and artifacts. Liebman CE; Messersmith RN; Levin DN; et al. *AJR* 1988; 150: 1174
- MR imaging of inferior vena caval recurrence of extraadrenal pheochromocytoma. Levine E; de Vries P; Wetzel LH. *JCAT* 1987; 11: 717
- normal and occluded mediastinal veins: MR imaging. McMurdo KK; de Geer G; Webb WR; Gamsu G. *Radiology* 1986; 159: 33
- unusual hepatic venous drainage in inferior vena cava obstruction: demonstration by MRI. Guinet C; Mathieu D; Metreau J-M; et al. *AJR* 1986; 147: 635
- Venae cavae, neoplasms**
- adrenal tumors: involvement of the inferior vena cava. (ab). Ritchey ML; Kinard R; Novicki DE. *Radiology* 1988; 167: 294
- asymptomatic leiomyosarcoma of the inferior vena cava: incidental finding at ultrasonography. Cederlund C-G; Edin R. *Acta Radiol* 1987; 28: 181
- computed tomography of leiomyosarcoma of the inferior vena cava. Schnyder P; Boumghar M; Doenz F. *Eur J Radiol* 1987; 7: 206
- CT and MR demonstration of leiomyosarcoma of inferior vena cava. van Zanten TEG; Golding RP. *JCAT* 1987; 11: 670
- CT and MR imaging of leiomyosarcoma of the inferior vena cava. van Rooij WJJ; Martens F; Verbeeten B Jr; et al. *JCAT* 1988; 12: 415
- intracardiac extension of intravenous leiomyomatosis. Kaszar-Seibert DJ; Gauvin GP; Rogoff PA; Vittimberga FJ; Margolis S; Hilgenberg AD; Saal DK; Goldsmith GO. *Radiology* 1988; 168: 409
- intravascular tumors: transvenous biopsy. Withers CE; Casola G; Herba MJ; Viloria J. *Radiology* 1988; 167: 713
- invasion of the inferior vena cava by testicular seminoma: demonstration by computed tomography and venography. O'Brien WM; Choyke PL; Lynch JH; et al. *Urol Radiol* 1986; 8: 108
- leiomyosarcoma of the inferior vena cava (IVC) with intracardiac extension. Gutierrez OH; Desai S; Burgener FA. *Eur J Radiol* 1986; 6: 153
- leiomyosarcoma of the inferior vena cava: ultrasonographic appearance. Bousquet J-C; Goze A; Hassan M; et al. *J Ultrasound Med* 1987; 6: 7
- leiomyosarcoma of the superior vena cava: diagnosis by cardiac gated MR. Lupetin AR; Dash N; Beckman I. *Cardiovasc Intervent Radiol* 1986; 9: 103
- MR imaging of inferior vena caval recurrence of extraadrenal pheochromocytoma. Levine E; de Vries P; Wetzel LH. *JCAT* 1987; 11: 717
- radiological diagnosis of leiomyosarcoma of the inferior vena cava. Lok AS-F; Wong K-P; Lee P-K; et al. *Clin Radiol* 1986; 37: 403
- renal cell carcinoma: dynamic thin-section CT assessment of vascular invasion and tumor vascularity. Zeman RK; Cronan JJ; Rosenfield AT; Lynch JH; Jaffe MH; Clark LR. *Radiology* 1988; 167: 393
- renal cell carcinoma invading the inferior vena cava: use of the Greenfield filter to prevent tumor emboli during nephrectomy. (ab). Rosenthal D; Gershon CR; Rudderman R. *Radiology* 1986; 158: 569
- sonographic diagnosis of leiomyosarcoma of the inferior vena cava: correlation with computed tomography and angiography. Fong KW; Zalev AH. *J Canad Assoc Radiol* 1987; 38: 229
- tumor thrombosis of the inferior vena cava due to retroperitoneal germ cell tumor. Radin DR; Kalls PW; Boswell WD Jr; et al. *Urol Radiol* 1987; 9: 26
- tumor thrombus of the inferior vena cava secondary to malignant abdominal neoplasms: US and CT evaluation. Didier D; Racle A; Etievant JP; Weill F. *Radiology* 1987; 162: 83
- Venae cavae, obstruction**
- See Venae cavae, stenosis or obstruction
- Venae cavae, perforation**
- impending catheter perforation of superior vena cava: radiographic recognition. Tociño IM; Watanabe A. *AJR* 1986; 146: 487
- Venae cavae, radionuclide studies**
- double inferior vena cava diagnosis by technetium-99m labeled RBC study. Howard JL; Dhekne RD; Moore WH; et al. *Clin Nucl Med* 1988; 13: 671
- dynamic process captured on a single image: approach to screening for abnormal superior vena caval flow. Simon TR; Middleton RA; Barr P; et al. *J Nucl Med* 1986; 27: 838
- inferior vena cava obstruction demonstrated by technetium-99m labeled red blood cells. Hardoff R; Gips S; Front A. *Clin Nucl Med* 1988; 13: 209
- inferior vena cava obstruction with hot quadrate lobe on technetium-99m MAA scintivenography. Weaver GR; Johnson JA; Sandler MP. *Clin Nucl Med* 1986; 11: 731
- Venae cavae, stenosis or obstruction**
- calcification in caval membrane causing primary Budd-Chiari syndrome: CT demonstration. Kobayashi A; Matsui O; Takashima T; et al. *JCAT* 1988; 12: 401
- cine computed tomography for diagnosis of superior vena cava obstruction following the mustard operation. Matherne GP; Frey JE; Atkins DL; et al. *Pediatr Radiol* 1987; 17: 246
- computed tomography of superior vena cava obstruction. Yedlicka JW Jr; Cormier MG; Gray R; et al. *J Thorac Imag* 1987; 2: 72
- CT visualization of posterior vertebral veins: sign of vena caval obstruction. Vachon L; Gilsanz V. *Pediatr Radiol* 1986; 16: 197
- digital subtraction venography in central venous obstruction. Benenati JF; Becker GJ; Mail JT; et al. *AJR* 1986; 147: 685
- hepatic inferior vena cava obstructions: clinical results of treatment with percutaneous transluminal laser-assisted angioplasty. Furui S; Yamauchi T; Ohtomo K; Tsuchiya K; Makita K; Takenaka E. *Radiology* 1988; 166: 673
- inferior vena caval obstruction: transvenous instrumental membranotomy. Yamazaki Y; Eguchi S; Terashima M; et al. *Cardiovasc Intervent Radiol* 1988; 11: 18
- inferior vena cava obstruction demonstrated by technetium-99m labeled red blood cells. Hardoff R; Gips S; Front A. *Clin Nucl Med* 1988; 13: 209
- inferior vena cava obstruction with hot quadrate lobe on technetium-99m MAA scintivenography. Weaver GR; Johnson JA; Sandler MP. *Clin Nucl Med* 1986; 11: 731
- intracardiac extension of intravenous leiomyomatosis. Kaszar-Seibert DJ; Gauvin GP; Rogoff PA; Vittimberga FJ; Margolis S; Hilgenberg AD; Saal DK; Goldsmith GO. *Radiology* 1988; 168: 409
- intravascular tumors: transvenous biopsy. Withers CE; Casola G; Herba MJ; Viloria J. *Radiology* 1988; 167: 713
- left ventricular pseudoaneurysm causing superior vena caval obstruction and effusive-constrictive pericarditis. Sehgal E; Sherman W; Isom OW; et al. *J Nucl Med* 1987; 28: 918
- membranous obstruction of the inferior vena cava associated with intrahepatic portosystemic shunt. Mori H; Hayashi K; Amamoto Y. *Cardiovasc Intervent Radiol* 1986; 9: 209
- MRI evaluation of mediastinal and thoracic inlet venous obstruction. Weinreb JC; Mootz A; Cohen JM. *AJR* 1986; 146: 679
- normal and occluded mediastinal veins: MR imaging. McMurdo KK; de Geer G; Webb WR; Gamsu G. *Radiology* 1986; 159: 33
- obstruction of the superior vena cava or subclavian veins: sonographic diagnosis. Gooding GAW; Hightower DR; Moore EH; Dillon WP; Lipton MJ. *Radiology* 1986; 159: 663
- pacemaker implantation in a patient with a Behcet's disease associated with superior vena cava obstruction. Or I; Roguin N; Yahalom M; et al. *Cardiovasc Intervent Radiol* 1986; 9: 13
- percutaneous transhepatic cavography of dual obstruction of the inferior vena cava. Araki T; Hayakawa K; Hayashi S; et al. *Br J Radiol* 1986; 59: 937
- progression of mediastinal tuberculosis and superior vena caval obstruction demonstrated by gallium-67 citrate and radiocolloid liver scintigraphy. Shih W-J; DeLand FH; Domstad PA; et al. *Clin Nucl Med* 1986; 11: 126
- rare collateral pathway in superior vena cava obstruction: the development of the venous shunts between systemic veins and the left heart. Muramatsu T; Mashimo M; Miyamae T; et al. *Clin Nucl Med* 1987; 12: 241
- recanalization of occluded superior vena cava for replacement of LeVeen shunt catheter. Vujic I; Moore LB; LeVeen HH. *Radiology* 1987; 164: 270
- role of venography and surgery in the management of patients with superior vena cava obstruction. (ab). Stanford W; Doty DB. *Radiology* 1986; 160: 574
- stenosis of the vena cava: preliminary assessment of treatment with expandable metallic stents. Charnsangavej C; Carrasco CH; Wallace S; Wright KC; Ogawa K; Richli W; Gianturco C. *Radiology* 1986; 161: 295
- successful treatment of superior vena cava syndrome by venous angioplasty. Sherry CS; Diamond NG; Meyers TP; et al. *AJR* 1986; 147: 834
- superior vena caval obstruction noted on hepatic flow study. Walker BS; Simon TR. *Clin Nucl Med* 1988; 13: 369
- superior vena caval syndrome in primary mediastinal germ cell tumors. Holbert BL; Libshitz HJ. *J Canad Assoc Radiol* 1986; 37: 182
- superior vena cava obstruction: evaluation with digital subtraction angiography. Sharma RP; Keller CE; Sheffy PC; Burke MW. *Radiology* 1986; 160: 845
- superior vena cava obstruction: venographic classification. Stanford W; Jolles H; Ell S; et al. *AJR* 1987; 148: 259
- superior vena cava syndrome associated with massive thrombosis: treatment with expandable wire stents. Putnam JS; Uchida BT; Antonovic R; Rösch J. *Radiology* 1988; 167: 727

- transluminal balloon angioplasty of infrahepatic caval anastomotic stenosis following liver transplantation: case report, Rose BS; Van Aman ME; Simon DC; et al. *Cardiovasc Intervent Radiol* 1988; 11: 79
- unexpected demonstration of superior vena caval obstruction in third trimester lung imaging, Trombley BA; Marcus CS; Koci T. *Clin Nucl Med* 1988; 13: 407
- unusual hepatic venous drainage in inferior vena cava obstruction: demonstration by MRI, Guinet C; Mathieu D; Metreau J-M; et al. *AJR* 1986; 147: 635
- value of radionuclide venography in superior vena caval obstruction. (ab), Coltart RS; Wright EP. *Radiology* 1986; 158: 287
- Venae cavae, thrombosis**
- acute renal vein thrombosis: successful treatment with intraarterial urokinase, Vogelzang RL; Moel DJ; Cohn RA; Donaldson JS; Langman CB; Nemcek AA Jr. *Radiology* 1988; 169: 681
- bird's nest inferior vena cava filter: progress report, Roehm JOF Jr; Johnsrude IS; Barth MH; Gianturco C. *Radiology* 1988; 168: 745
- Budd-Chiari syndrome: CT observations, Vogelzang RL; Anschuetz SL; Gore RM. *Radiology* 1987; 163: 329
- calcified thrombus of the inferior vena cava in transposition of the great vessels, Velasquez G; D'Souza VJ; Glass TA; et al. *Cardiovasc Intervent Radiol* 1986; 9: 19
- calculation of T2 values versus phase imaging for the distinction between flow and thrombus in MR imaging, von Schulthess GK; Augustiny N. *Radiology* 1987; 164: 549
- capillary anastomosis in vena caval thrombosis, Williams JL; Sieg B; Prevatt LK. *Clin Nucl Med* 1986; 11: 868
- CT-guided percutaneous aspiration of septic thrombosis of the inferior vena cava, Miner DG; Cohan RH; Davis WK; et al. *AJR* 1987; 148: 1213
- forceful pulsatile local infusion of enzyme accelerates thrombolysis: in vivo evaluation of a new delivery system, Kandarpa K; Drinker PA; Singer SJ; Caramore D. *Radiology* 1988; 168: 739
- inferior vena caval pseudo thrombus sign: diagnosis by dynamic CT after arm vein injection. (ab), Mukai J; Chen P. *Radiology* 1986; 159: 575
- local intravascular effects of the nitinol wire blood clot filter, Prince MR; Salzman EW; Schoen FJ; et al. *Invest Radiol* 1988; 23: 294
- low-artifact intravascular devices: MR imaging evaluation, Teitelbaum GP; Ortega HV; Vinitski S; Stern H; Tsuruda JS; Mitchell DG; Rifkin MD; Bradley WG Jr. *Radiology* 1988; 168: 713
- magnetic resonance imaging of renal vein and inferior vena cava thrombosis in a patient with glomerulonephritis: a case report, Honda H; Yuh WTC; Lu CC. *CT* 1988; 12: 147
- mesoatrial shunts for Budd-Chiari syndrome and inferior vena cava thrombosis: angiographic and hemodynamic evaluations, Redmond PL; Kadir S; Kaufman SL; White RI Jr; Cameron JL. *Radiology* 1987; 163: 131
- renal cell carcinoma: dynamic thin-section CT assessment of vascular invasion and tumor vascularity, Zeman RK; Cronan JJ; Rosenfield AT; Lynch JH; Jaffe MH; Clark LR. *Radiology* 1988; 167: 393
- superior vena cava syndrome and bilateral subclavian vein thrombosis: CT and radionuclide venography correlation, Conte FA; Orzell JA. *Clin Nucl Med* 1986; 11: 698
- superior vena cava syndrome associated with massive thrombosis: treatment with expandable wire stents, Putnam JS; Uchida BT; Antonovic R; Röscher J. *Radiology* 1988; 167: 727
- tumor thrombosis of the inferior vena cava due to retroperitoneal germ cell tumor, Radin DR; Ralls PW; Boswell WD Jr; et al. *Urol Radiol* 1987; 9: 26
- tumor thrombus of the inferior vena cava secondary to malignant abdominal neoplasms: US and CT evaluation, Didier D; Racle A; Etievant JP; Weill F. *Radiology* 1987; 162: 83
- ultrasound case of the day: annual meeting 1985, Sandler MA; Beute GH; Madrazo BL; Hudak SF; Walter R; Haggard AH; Maywood CM. *Radiographics* 1986; 6: 512
- Venae cavae, transluminal angioplasty**
- hepatic inferior vena cava obstructions: clinical results of treatment with percutaneous transluminal laser-assisted angioplasty, Furui S; Yamachi T; Ohtomo K; Tsuchiya K; Makita K; Takenaka E. *Radiology* 1988; 166: 673
- Venae cavae, US studies**
- biliary atresia and noncardiac polysplenic syndrome: US and surgical considerations, Abramson SJ; Berdon WE; Altman RP; Amodio JB; Levy J. *Radiology* 1987; 163: 377
- effects of positional changes on inferior vena caval size and dynamics and correlations with right-sided cardiac pressure. (ab), Nakao S; Come PC; McKay RG; et al. *Radiology* 1987; 164: 589
- inferior vena caval pressure: noninvasive evaluation, Liu G-C; Angtuaco TL; Ferris EJ; Shah HR; Reifsteck JE; Harshfield DL. *Radiology* 1986; 160: 521
- leiomyosarcoma of the inferior vena cava: ultrasonographic appearance, Bousquet J-C; Goze A; Hassan M; et al. *J Ultrasound Med* 1987; 6: 7
- obstruction of the superior vena cava or subclavian veins: sonographic diagnosis, Gooding GAW; Hightower DR; Moore EH; Dillon WP; Lipton MJ. *Radiology* 1986; 159: 663
- sonographic diagnosis of leiomyosarcoma of the inferior vena cava: correlation with computed tomography and angiography, Fong KW; Zalev AH. *J Canad Assoc Radiol* 1987; 38: 229
- tumor thrombus of the inferior vena cava secondary to malignant abdominal neoplasms: US and CT evaluation, Didier D; Racle A; Etievant JP; Weill F. *Radiology* 1987; 162: 83
- ultrasonic assessment of abdominal venous return: II. volume blood flow in the inferior vena cava and portal vein, Smith H-J; Grotttum P; Simonsen S. *Acta Radiol* 1986; 27: 23
- Venography**
- See also Angiography
- deep venous thrombophlebitis: detection with 4-hour versus 24-hour platelet scintigraphy, Seabold JE; Conrad GR; Ponto JA; Kimball DA; Frey EE; Ahmed F; Coughlan JD; Jensen KC. *Radiology* 1987; 163: 355
- deep venous thrombosis: is contrast venography still the diagnostic "gold standard"? Redman HC. *Radiology* 1988; 168: 277
- digital subtraction venography in central venous obstruction, Benenati JF; Becker GJ; Mail JT; et al. *AJR* 1986; 147: 685
- graft patency evaluation with DSA after reconstructive venous surgery, Morano JU; Burkhalter JL. *Radiology* 1986; 160: 267
- lateral thigh varicose veins: a phlebographic study, Thomas ML; Chan O. *Br J Radiol* 1988; 61: 372
- panvenography and pulmonary angiography in the diagnosis of deep venous thrombosis and pulmonary thromboembolism, Kramer FL; Teitelbaum G; Merli GJ. *Radiol Clin North Am* 1986; 24: 397
- real-time ultrasound diagnosis of deep vein thrombosis: comparison with venography, Aitken AGF; Godden DJ. *Clin Radiol* 1987; 38: 309
- recurrent groin varicose veins: an assessment by descending phlebography, Thomas ML; Phillips GW. *Br J Radiol* 1988; 61: 294
- spermatic venography in undescended testes, Riebel T; Gonnermann D; Willig R-P. *Pediatr Radiol* 1987; 17: 39
- utility of foot venography as part of the routine lower-extremity venogram: prospective study, Glanz S; Gordon DH. *Cardiovasc Intervent Radiol* 1986; 9: 15
- Venography, complications**
- contrast venography of the leg: diagnosis efficacy, tolerance, and complication rates with ionic and nonionic contrast media, Hüpscher DN. *Radiology* 1988; 168: 878
- contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media: reply, Bettmann MA. *Radiology* 1988; 168: 878
- noninfectious complications of long-term central venous catheters: radiologic evaluation and management, Cassidy FP Jr; Zajko AB; Bron KM; et al. *AJR* 1987; 149: 671
- Venography, contrast media**
- ascending lower-limb phlebography: comparative study of Hexabrix 320, Iohexol 300 and Iohexol 240, Hall-Craggs MA; Hine AL. *Br J Radiol* 1986; 59: 685
- contrast venography of the leg: diagnosis efficacy, tolerance, and complication rates with ionic and nonionic contrast media, Hüpscher DN. *Radiology* 1988; 168: 878
- contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media, Bettmann MA; Robbins A; Braun SD; Wetzer S; Dunnick NR; Finkelstein J. *Radiology* 1987; 165: 113
- contrast venography of the leg: diagnostic efficacy, tolerance, and complication rates with ionic and nonionic contrast media: reply, Bettmann MA. *Radiology* 1988; 168: 878
- decrease of plasma prekallikrein and kallikrein inhibitors during intravenous phlebography, Aronen HJ; Torstila I; Vahtera E; et al. *Eur J Radiol* 1988; 8: 30
- Venography, radionuclide**
- clinical value of blood pool radionuclide venography, Zorba J; Schier D; Posmituck G. *AJR* 1986; 146: 1051
- falsely positive radionuclide venogram following DTPA aerosol ventilation scan, Sirotta PS; Dubinsky TJ. *Clin Nucl Med* 1987; 12: 325
- negative radionuclide venogram: an indication for conservative therapy?, Williams VL; Higgins WL; Epstein DH. *Clin Nucl Med* 1988; 13: 26
- radionuclide venography: imaging monitor in deep-vein thrombosis of the pelvis and lower extremities, Sy WM; Seo IS. *Br J Radiol* 1986; 59: 325
- radionuclide venography in pregnancy, Dhekne RD; Barron BJ; Koch ER. *J Nucl Med* 1987; 28: 1290
- technetium-99m red blood cell venography in patients with clinically suspected deep vein thrombosis: a prospective study, Leclerc JR; Wolfson C; Arzumanian A; et al. *J Nucl Med* 1988; 29: 1498
- technetium-99m red blood cell venography of the lower limb in symptomatic pulmonary embolization, Lisbona K; Rush CL; Lepanto L. *Clin Nucl Med* 1987; 12: 93
- value of radionuclide venography in superior vena caval obstruction. (ab), Coltart RS; Wright EP. *Radiology* 1986; 158: 287
- Venography, technology**
- digital subtraction venography of the upper extremity, Andrews JC; Williams DM; Cho KJ. *Clin Radiol* 1987; 38: 423
- lower-extremity venography: value of femoral-vein compression, Smith TP; Cardella JF; Darcy MD; et al. *AJR* 1986; 147: 1025
- new technique for left adrenal vein catheterization, Mauro MA; Jaques FF. *Cardiovasc Intervent Radiol* 1987; 10: 86
- silicone rubber catheter venography using standard angiographic techniques, Johnson RL; Lieberman RP; Kaplan PA; et al. *Cardiovasc Intervent Radiol* 1988; 11: 45
- superficial peroneal nerve block for leg venography, Lieberman RP; Kaplan PA. *Radiology* 1987; 165: 578
- Ventricles**
- See Brain; Heart, ventricles
- Ventricular septal defect**
- accuracy of fetal echocardiography, Benacerraf BR; Pober BR; Sanders SP. *Radiology* 1987; 165: 847

Ventricular septal defect

digital cine angiographic evaluation of pulmonary blood flow velocity in ventricular septal defect, Riediger G; Gravinghoff LM; Höhne KH; et al, *Cardiovasc Intervent Radiol* 1988; 11: 1

identification and localization of ventricular septal defect by gated magnetic resonance imaging, (ab), Didier D; Higgins CB, *Radiology* 1987; 162: 296

ventricular septal defect: visualization of shunt flow and determination of shunt size by cine MR imaging, Sechtem U; Pflugfelder P; Cassidy MC; et al, *AJR* 1987; 149: 689

Vertebrae

See Spine

Vertebral arteries

bifid origin of the left vertebral artery, Eisenberg RA; Vines FS; Taylor SB, *Radiology* 1986; 159: 429

myelographic correlations of vascular anatomy of the spinal cord, Gulliver D; Noakes J, *Australas Radiol* 1988; 32: 65

treatment of vertebral arteriovenous fistulas, Halbach VV; Higashida RT; Hieshima GB, *AJNR* 1987; 8: 1121

Vertebral arteries, abnormalities

duplicate origin of the vertebral artery: report of two cases, Hashimoto H; Ohnishi H; Yuasa T; et al, *Neuroradiol* 1987; 29: 301

hemifacial spasm caused by a tortuous vertebral artery: MR demonstration, Taah RR; Kier EL; Chyatte D, *JCAT* 1988; 12: 492

persistence of both proatlantal arteries with absence of vertebral arteries, Lui CC; Liu YH; Wei YY; et al, *Neuroradiol* 1987; 29: 304

spontaneous arterio-venous fistulae of the vertebral artery: diagnostic and therapeutic considerations, Beltramello A; Maschio A; Piovan E; et al, *Eur J Radiol* 1988; 8: 148

Vertebral arteries, angiography

clot embolic stroke in the vertebrobasilar system of rabbits: a transarterial angiographic technique, Pan G; Wright KC, *Cardiovasc Intervent Radiol* 1987; 10: 285

prospective comparison of duplex sonography vs angiography of the vertebral arteries, Davis PC; Nilsen B; Braun IF; et al, *AJNR* 1986; 7: 1059

Vertebral arteries, injuries

spontaneous dissection of the vertebro-basilar system: a study of 18 cases (15 patients), Gresselle JF; Zenteno M; Kien P; et al, *J Neuroradiol* 1987; 14: 115

vertebral artery trauma: transcatheter embolization, Ben-Menachem Y; Fields WS; Cadavid G; et al, *AJNR* 1987; 8: 501

Vertebral arteries, interventional procedure

See Vertebral arteries, transluminal angioplasty

Vertebral arteries, occlusion

See Vertebral arteries, stenosis or obstruction

Vertebral arteries, stenosis or obstruction

clot embolic stroke in the vertebrobasilar system of rabbits: a transarterial angiographic technique, Pan G; Wright KC, *Cardiovasc Intervent Radiol* 1987; 10: 285

echo-Doppler (duplex) system for the detection of vertebral artery occlusive disease: comparison with angiography, Visona A; Lusiani L; Castellani V; et al, *J Ultrasound Med* 1986; 5: 247

percutaneous transluminal angioplasty (dilatation) of carotid, vertebral, and innominate artery stenoses, Kachel R; Endert G; Basche S; et al, *Cardiovasc Intervent Radiol* 1987; 10: 142

surgically treatable lesions of the extracranial circulation, including the vertebral artery, Smullen SN, *Radiol Clin North Am* 1986; 24: 453

Vertebral arteries, therapeutic blockade

embolization with temporary balloon occlusion of the internal carotid or vertebral arteries, Theron J; Cosgrove R; Melanson D; et al, *Neuroradiol* 1986; 28: 246

Vertebral arteries, transluminal angioplasty

angioplastie endo-luminale percutanee des arteres vertebrales et sous-clavieres: confrontation angio-velocimetrique (percutaneous transluminal angioplasty of the vertebral and subclavian arteries: an angiographic-velocimetry comparison), Tournade A; Zenglein JP; Braun JP; et al, *J Neuroradiol* 1986; 13: 95

transcutaneous angioplasty of vertebral artery atheromatous ostial stricture, (ab), Courtheoux P; Tournade A; Theron J; et al, *Radiology* 1986; 159: 287

transluminal angioplasty of the vertebral and basilar artery, Higashida RT; Hieshima GB; Tsai FY; et al, *AJNR* 1987; 8: 745

vertebral artery trauma: transcatheter embolization, Ben-Menachem Y; Fields WS; Cadavid G; et al, *AJNR* 1987; 8: 501

Vertebral arteries, US studies

echo-Doppler (duplex) system for the detection of vertebral artery occlusive disease: comparison with angiography, Visona A; Lusiani L; Castellani V; et al, *J Ultrasound Med* 1986; 5: 247

primer of cerebrovascular ultrasound, part VI: duplex vertebral examination, Zwiebel WJ, *Semin US CT MR* 1987; 8: 51

prospective comparison of duplex sonography vs angiography of the vertebral arteries, Davis PC; Nilsen B; Braun IF; et al, *AJNR* 1986; 7: 1059

Videodensitometry

comparison of observer and videodensitometric measurements of simulated coronary artery stenoses, Simons MA; Bastian BV; Bray BE; et al, *Invest Radiol* 1987; 22: 562

cross-sectional area measurements by digital subtraction videodensitometry, Simons MA; Kruger RA; Power RLB, *Invest Radiol* 1986; 21: 637

evaluation of a cinevideodensitometric method for measuring vessel dimensions from digitized angiograms, Nickoloff EL; Han J; Esser PD; et al, *Invest Radiol* 1987; 22: 875

quantification in peripheral angiography, Harrington DP; Kandarpa K, *Cardiovasc Intervent Radiol* 1987; 10: 400

quantitative digital subtraction coronary angiography using videodensitometry: an in vivo analysis, Simons MA; Musket AD; Kruger RA; et al, *Invest Radiol* 1988; 23: 98

validation of a digital videodensitometric program analysis for measurement of left ventricular ejection fraction, Gaux JC; Vuthien H; Letienne G; et al, *Br J Radiol* 1987; 60: 693

videodensitometric quantitation of aortic regurgitation by digital subtraction aortography using a computer-based method analyzing time-density curves, (ab), Klein LW; Agarwal JB; Stets G; et al, *Radiology* 1987; 163: 589

Video systems

clinical trial of digital teleradiology in the practice of emergency room radiology, Kagetsu NJ; Zulauf DRP; Ablow RC, *Radiology* 1987; 165: 551

lag in radiographic imaging systems: simple methods for evaluation, Shearer DR; Moore MM, *Radiology* 1986; 159: 259

quantitative autoradiography using a personal computer, Lewellen TK; Graham MM; Spence AM, *J Nucl Med* 1986; 27: 549

technical exhibits: RSNA '87 meeting notes, Gray JE; Barnes GT; Morin RL; Yester MV; Chakraborty DP, *Radiology* 1988; 166: 927

teleradiology, Gitlin JN, *Radiol Clin North Am* 1986; 24: 55

video disc recording in double contrast barium enema—comparison with conventional fluoroscopy, Pietilä J; Pietilä K; Pukkila O, *Eur J Radiol* 1987; 7: 246

Viruses

classification system for human T-lymphotropic virus type III/lymphadenopathy-associated virus infections, (ab), Centers for Disease Control, *Radiology* 1987; 163: 586

Vision

magnetic resonance imaging in patients with diplopia: review, Ruff RL; Wiener SN; Leigh RJ, *Invest Radiol* 1986; 21: 311

optic neuroma: evaluation of CSF "block" caused by compressive lesions at the optic canal, Jinkins JR, *AJNR* 1987; 8: 135

vision following helium ion radiotherapy of uveal melanoma: a Northern California Oncology Group study, Linstadt D; Char DH; Castro JR; et al, *Int J Radiat Oncol Biol Phys* 1988; 15: 347

Vitamins

minimal spinal hyperostosis with low-dose isotretinoin therapy, Kilcoyne RF; Cope R; Cunningham W; et al, *Invest Radiol* 1986; 21: 41

resolution of massive technetium-99m methylene diphosphonate uptake in the stomach in vitamin D intoxication, Corstens F; Kerremans A; Claessens R, *J Nucl Med* 1986; 27: 219

spectrum of skeletal changes associated with long-term administration of 13-cis-retinoic acid, Lawson JP; McGuire J, *Skeletal Radiol* 1987; 16: 91

Vocal cords

application of MRI to the analysis of speech production, Baer T; Gore JC; Boyce S; et al, *Magn Res Imag* 1987; 5: 1

sonographic anatomy of the larynx, with particular reference to the vocal cords, Raghavendra BN; Horii SC; Reede DL; et al, *J Ultrasound Med* 1987; 6: 225

Teflon paste implant in unilateral vocal cord paralysis: CT characteristics, Rao VM; Melnick H; Wechsler RJ; et al, *JCAT* 1987; 11: 624

Vocal cords, neoplasms

bilateral stage Ib glottic carcinoma: results of radiation therapy, Sinha PP, *Radiology* 1988; 169: 835

heterogeneity of stage II glottic carcinoma and its therapeutic implications, Karim ABMF; Kralendok JH; Yap LY; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 313

radiation therapy in early carcinoma of the true vocal cords (stage I and II), Sinha PP, *Int J Radiat Oncol Biol Phys* 1987; 13: 1635

Vocal cords, therapeutic radiology

bilateral stage Ib glottic carcinoma: results of radiation therapy, Sinha PP, *Radiology* 1988; 169: 835

heterogeneity of stage II glottic carcinoma and its therapeutic implications, Karim ABMF; Kralendok JH; Yap LY; et al, *Int J Radiat Oncol Biol Phys* 1987; 13: 313

radiation therapy in early carcinoma of the true vocal cords (stage I and II), Sinha PP, *Int J Radiat Oncol Biol Phys* 1987; 13: 1635

Volvulus

See Intestines, volvulus; Stomach, volvulus

Vulva, neoplasms

carcinoma in situ of the vulva: long term prognosis, Ragnarsson B; Raabe N; Willemis J; et al, *Acta Oncol* 1987; 26: 277

complete regression of pulmonary metastases from malignant melanoma of the vulva following therapy with tamoxifen, Amin R, *Br J Radiol* 1986; 59: 171

radiation therapy and conservation surgery for primary and recurrent carcinoma of the vulva: report of 40 patients and a review of the literature, Pao WM; Perez CA; Kuske RR; et al, *Int J Radiat Oncol Biol Phys* 1988; 14: 1123

W

Walker-Dandy syndrome

See Brain, abnormalities

Warfarin

See Anticoagulants

Wegener granulomatosis

See Granuloma

Wilms tumor

See Kidney neoplasms

Wilson disease

clinical assessment of 31 patients with Wilson's disease: correlations with structural changes on magnetic resonance imaging, (ab), Starosta-Rubinstein S; Young AB; Klutin K; et al, *Radiology* 1987; 165: 882

high-field magnetic resonance imaging of Wilson's disease, De Haan J; Grossman RI; Civitello L; et al, *CT* 1987; 11: 132

improvement of cerebral CT abnormalities following liver transplantation in a patient with Wilson disease, Rothfus WE; Hirsch WL; Malatack JJ; et al, *JCAT* 1988; 12: 138

- magnetic resonance tomography and computed tomography of the brain for diagnosing Wilson's disease, (ab), Uhlenbrock D; Straube A; Beyer HK; et al, *Radiology* 1986; 159: 573
- Wrist**
- case report 345, Owen RS; Fishman EK; Healy WL; et al, *Skeletal Radiol* 1986; 15: 69
- high-field MR surface-coil imaging of the hand and wrist. part I. normal anatomy, Weiss KL; Beltran J; Shamam OM; Stilla RF; Levey M, *Radiology* 1986; 160: 143
- high-field MR surface-coil imaging of the hand and wrist. part II. pathologic correlations and clinical relevance, Weiss KL; Beltran J; Lubbers LM, *Radiology* 1986; 160: 147
- incomplete carpal coalition, Resnik CS; Grizzard JD; Simmons BP; et al, *AJR* 1986; 147: 301
- Wrist, arthritis**
- carpal alterations in adult-onset Still disease, juvenile chronic arthritis, and adult-onset rheumatoid arthritis: comparative study, Björkengren AG; Pathria MN; Sartoris DJ; Terkeltaub R; Esdaile JM; Weisman M; Resnick D, *Radiology* 1987; 165: 545
- carpal predominance in rheumatoid arthritis, Hendrix RW; Urban MA; Schroeder JL; Rogers LF, *Radiology* 1987; 164: 219
- case report 453, Perlman R, *Skeletal Radiol* 1987; 16: 670
- productive osseous changes about the wrist in rheumatoid arthritis, Cantor RM; Braunstein EM, *Skeletal Radiol* 1987; 16: 397
- rheumatoid arthritis: explanatory power of specific radiographic findings for patient clinical status, Kaye JJ; Callahan LF; Nance EP Jr; Brooks RH; Pincus T, *Radiology* 1987; 165: 753
- rheumatoid arthritis: similarity of radiographic abnormalities in men and women, Pathria MN; Björkengren AG; Jacob J; Kaplan PA; Kursunoglu S; Pate D; Sartoris DJ; Resnick D, *Radiology* 1988; 167: 793
- seronegative and seropositive rheumatoid arthritis: radiographic differences, El-Khoury GY; Lamon RK; Kathol MH; Berbaum KS; Furst DE, *Radiology* 1988; 168: 517
- soft tissue changes of the wrist in rheumatoid arthritis: results of low kV radiography in three views, (ab), Fischer E, *Radiology* 1986; 159: 822
- Wrist, arthrography**
- adhesive capsulitis, Hall FM, *Radiology* 1988; 169: 579
- adhesive capsulitis of the wrist: arthrographic diagnosis, Mahoney MD; Sauer DD; Hanson EC; Wood VE; Thiel AE, *Radiology* 1988; 167: 187
- digital subtraction wrist arthrography: use of double contrast technique as a supplement to single contrast arthrography, Pittman CC; Quinn SF; Belsole R; et al, *Skeletal Radiol* 1988; 17: 119
- digital wrist arthrography: precision in determining the site of radiocarpal-midcarpal communication, Manaster BJ, *AJR* 1986; 147: 563
- distal radioulnar joint arthrography, Gilula LA; Hardy DC; Totty WG, *AJR* 1988; 150: 864
- fluoroscopic identification of torn intercarpal ligaments after injection of contrast material, Gilula LA; Hardy DC; Totty WG; et al, *AJR* 1987; 149: 761
- wrist arthrography: the value of the three compartment injection technique, Levinsohn EM; Palmer AK; Coren AB; et al, *Skeletal Radiol* 1987; 16: 539
- Wrist, CT**
- computed tomography diagnosis of distal radioulnar subluxation, Wechsler RJ; Wehbe MA; Rifkin MD; et al, *Skeletal Radiol* 1987; 16: 1
- CT findings in distal radioulnar dislocation, Space TC; Louis DS; Francis I; et al, *JCAT* 1986; 10: 689
- CT for determining the results of treatment of fractures of the wrist, Quinn SF; Murray WT; Watkins T; et al, *AJR* 1987; 149: 109
- high-resolution computed tomography of the wrist in patients with carpal tunnel syndrome, Merhar GL; Clark RA; Schneider HJ; et al, *Skeletal Radiol* 1986; 15: 549
- high-resolution CT of the wrist: initial experience with scaphoid disorders and surgical fusions, Bush CH; Gillespy T III; Dell PC, *AJR* 1987; 149: 757
- three-dimensional surface reconstruction of the carpal bones from CT scans: transaxial versus coronal technique, Biondetti PR; Vannier MW; Gilula LA; et al, *Comput Med Imag Graph* 1988; 12: 67
- wrist: coronal and transaxial CT scanning, Biondetti PR; Vannier MW; Gilula LA; Knapp R, *Radiology* 1987; 163: 149
- Wrist, fractures**
- case report 397, Sullivan KL; Karasick D, *Skeletal Radiol* 1986; 15: 593
- CT for determining the results of treatment of fractures of the wrist, Quinn SF; Murray WT; Watkins T; et al, *AJR* 1987; 149: 109
- dorsal fracture of the hamate: distinctive radiographic appearance, Gillespy T III; Stork JJ; Dell PC, *AJR* 1988; 151: 351
- radiographic evaluation of modern orthopedic fixation devices, Richardson ML; Kilcoyne RF; Mayo KA; Lamont JG; Hastrup W, *Radiographics* 1987; 7: 685
- skeletal scintigraphy of the wrist in suggested scaphoid fracture, Brismar J, *Acta Radiol* 1988; 29: 101
- wrist: coronal and transaxial CT scanning, Biondetti PR; Vannier MW; Gilula LA; Knapp R, *Radiology* 1987; 163: 149
- wrist: preliminary report on high-resolution MR imaging, Koenig H; Lucas D; Meissner R, *Radiology* 1986; 160: 463
- Wrist, injuries**
- adhesive capsulitis, Hall FM, *Radiology* 1988; 169: 579
- adhesive capsulitis of the wrist: arthrographic diagnosis, Mahoney MD; Sauer DD; Hanson EC; Wood VE; Thiel AE, *Radiology* 1988; 167: 187
- beware the sprained wrist: the incidence and diagnosis of scapholunate instability, (ab), Jones WA, *Radiology* 1988; 169: 293
- carpal tunnel view: helpful adjuvant for unrecognized fractures of the carpus, Abbott FL; Riddervold HO, *Skeletal Radiol* 1987; 16: 45
- case report 397, Sullivan KL; Karasick D, *Skeletal Radiol* 1986; 15: 593
- case report 456, Kastan DJ; Ellis BJ; Shier CK; et al, *Skeletal Radiol* 1987; 16: 685
- case report 464, Seeger LL; Bassett LW; Gold RH, *Skeletal Radiol* 1988; 17: 85
- CT findings in distal radioulnar dislocation, Space TC; Louis DS; Francis I; et al, *JCAT* 1986; 10: 689
- dorsal dislocation of the radiocarpal joint with associated dorsal perilunar dislocation, Klein A; Bohrer SP; Martin W III, *J Canad Assoc Radiol* 1986; 37: 201
- high-resolution computed tomography of the wrist in patients with carpal tunnel syndrome, Merhar GL; Clark RA; Schneider HJ; et al, *Skeletal Radiol* 1986; 15: 549
- high-resolution ultrasonography of wrist ganglia, De Flaviis L; Nessi R; Del Bo P; et al, *JCU* 1987; 15: 17
- MR imaging of the carpal tunnel: normal anatomy and preliminary findings in the carpal tunnel syndrome, Middleton WD; Kneeland JB; Kellman GM; et al, *AJR* 1987; 148: 307
- occult carpal pathology: tomographic evaluation, Apple JS; Martinez S; Khoury MB; et al, *Skeletal Radiol* 1986; 15: 228
- offensive wrist, Jackson ML; Goldfarb CR; Ongseng F, *Clin Nucl Med* 1986; 11: 130
- radiologic aspects of lunatomalacia, Rasmussen F; Schantz K, *Eur J Radiol* 1987; 7: 199
- scaphoid fat stripe in the diagnosis of carpal trauma, Andersen JL; Grøn P; Langhoff O, *Acta Radiol* 1988; 29: 97
- spectrum of avulsion and avulsion-like injuries of the musculoskeletal system, Tehranzadeh J, *Radiographics* 1987; 7: 945
- stress changes of the wrist in adolescent gymnasts, Carter SR; Aldridge MJ; Fitzgerald R; et al, *Br J Radiol* 1988; 61: 109
- unique musculoskeletal trauma, McNiesh LM, *Radiol Clin North Am* 1987; 25: 1107
- Wrist, MR studies**
- carpal avascular necrosis: MR imaging, Reinus WR; Conway WF; Totty WG; Gilula LA; Murphy WA; Siegel BA; Weeks PM; Young VL; Manske PR, *Radiology* 1986; 160: 689
- high-field MR surface-coil imaging of the hand and wrist. part I. normal anatomy, Weiss KL; Beltran J; Shamam OM; Stilla RF; Levey M, *Radiology* 1986; 160: 143
- high-field MR surface-coil imaging of the hand and wrist. part II. pathologic correlations and clinical relevance, Weiss KL; Beltran J; Lubbers LM, *Radiology* 1986; 160: 147
- high-resolution magnetic resonance imaging of the wrist: normal anatomy, Baker LL; Hajek PC; Björkengren A; et al, *Skeletal Radiol* 1987; 16: 128
- high resolution surface coil magnetic resonance imaging of the joints: anatomic correlation, Middleton WD; Macrander S; Lawson TL; Kneeland JB; Cates JD; Kellman GM; Carrera GF; Foley WD; Jesmanowicz A; Hyde JS, *Radiographics* 1987; 7: 645
- magnetic resonance imaging of the wrist: normal cross sectional imaging and selected abnormal cases, Binkovitz LA; Ehman RL; Cahill DR; Berquist TH, *Radiographics* 1988; 8: 1171
- MR imaging of the carpal tunnel: normal anatomy and preliminary findings in the carpal tunnel syndrome, Middleton WD; Kneeland JB; Kellman GM; et al, *AJR* 1987; 148: 307
- rotator cuff tears: preliminary application of high-resolution MR imaging with counter rotating current loop-gap resonators, Kneeland JB; Carrera GF; Middleton WD; Campagna NF; Ryan LM; Jesmanowicz A; Francis W; Hyde JS, *Radiology* 1986; 160: 695
- wrist: preliminary report on high-resolution MR imaging, Koenig H; Lucas D; Meissner R, *Radiology* 1986; 160: 463
- Wrist, necrosis**
- carpal avascular necrosis: MR imaging, Reinus WR; Conway WF; Totty WG; Gilula LA; Murphy WA; Siegel BA; Weeks PM; Young VL; Manske PR, *Radiology* 1986; 160: 689
- Wrist, neoplasms**
- case report 393, Perri G; Tripi D, *Skeletal Radiol* 1986; 15: 575
- extremity preservation by combined modality treatment of sarcomas of the hand and wrist, Okunieff P; Suit H; Propp KH, *Int J Radiat Oncol Biol Phys* 1986; 12: 1923
- Wrist, prostheses**
- total joint arthroplasty of hands and wrists, Beabout JW; Linscheid RL, *Semin Roentgenol* 1986; 21: 84
- Wrist, radiography**
- radiography of the carpal scaphoid: experimental investigation evaluating the use of oblique projections, Lindequist S; Larsen CF, *Acta Radiol* 1986; 27: 97
- Wrist, radionuclide studies**
- offensive wrist, Jackson ML; Goldfarb CR; Ongseng F, *Clin Nucl Med* 1986; 11: 130
- skeletal scintigraphy of the wrist in suggested scaphoid fracture, Brismar J, *Acta Radiol* 1988; 29: 101
- Wrist, tomography**
- occult carpal pathology: tomographic evaluation, Apple JS; Martinez S; Khoury MB; et al, *Skeletal Radiol* 1986; 15: 228
- Wrist, US studies**
- high-resolution ultrasonography of wrist ganglia, De Flaviis L; Nessi R; Del Bo P; et al, *JCU* 1987; 15: 17
- sonography of the radial artery at the wrist, Gooding GAW, *AJR* 1988; 150: 629
- tenosynovitis of the wrist: a sonographic demonstration, Gooding GAW, *J Ultrasound Med* 1988; 7: 225

X

Xanthoma

- case report 427, Burnstein M; Buckwalter KA; Martel W; et al, *Skeletal Radiol* 1987; 16: 346
- case report: juvenile xanthogranuloma of the iris managed with superficial radiotherapy, MacLeod PM, *Clin Radiol* 1986; 37: 295
- unusual long term follow-up of xanthogranulomatous pyelonephritis by computed tomography: case report, Castillo M; Casillas J, *Comput Radiol* 1986; 4: 179

Xenon

- adverse reactions to xenon-enhanced CT cerebral blood flow determination, Latchaw RE; Yonas H; Penhney SL; Gur D, *Radiology* 1987; 163: 251
- balloon test occlusion of the internal carotid artery with stable xenon/CT cerebral blood flow imaging, Erba SM; Horton JA; Latchaw RE; et al, *AJNR* 1988; 9: 533
- mapping of local cerebral blood flow with stable xenon-enhanced CT and the curve-fitting method of analysis, Touho H; Karasawa J; Nakagawara J; Tazawa T; Yamada K; Kuriyama Y; Asai M; Kagawa M; Kobayashi K; Yasue H, *Radiology* 1988; 168: 207
- respiratory depression in goats by stable xenon: implications for CT studies, Winkler SS; Nielsen A; Mesina J, *JCAT* 1987; 11: 496
- xenon-enhanced computed tomography in brain death, (ab), Darby JM; Yonas H; Gur D, *Radiology* 1988; 166: 913

Xenon, radioactive

- acetazolamide enhancement of HIPDM brain flow distribution imaging, Burt RW; Reddy RV; Mock BM; et al, *J Nucl Med* 1986; 27: 1627

- gated xenon scans for right ventricular function, Martin W; Tweddel AC; McGhie I; et al, *J Nucl Med* 1986; 27: 609
- xenon/computed tomography cerebral blood flow measurements: methods and accuracy, Fatouros PP; Wist AO; Kishore PRS; et al, *Invest Radiol* 1987; 22: 705

Xeromammography

- See Breast radiography

Xeroradiography

- echogenic focus in prostatic sonograms, with xeroradiographic and histopathologic correlation, Dahner WF; Hamper UM; Walsh PC; Eggleston JC; Sanders RC, *Radiology* 1986; 159: 95
- history and recent developments in xeroradiography of the breast, Wolfe JN, *Radiol Clin North Am* 1987; 25: 929
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Smathers RL; Bush E; Drace J; Stevens M; Sommer FG; Brown BW Jr; Karras B, *Radiology* 1986; 159: 673
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display, Wolochow MS, *Radiology* 1987; 162: 879
- mammographic microcalcifications: detection with xerography, screen-film, and digitized film display: reply, Smathers RL, *Radiology* 1987; 162: 879
- nonmammographic breast imaging techniques: current status and future developments, Kopans DB, *Radiol Clin North Am* 1987; 25: 961
- prosthetic fit in below-knee amputation: evaluation with xeroradiography, Irwin GAL; Friedman L; Shapiro D, *AJR* 1987; 148: 99
- xeromammographic diagnosis of carcinoma of the breast in office practice, (ab), Burhenne LW; Longley JD; Burhenne HJ, *Radiology* 1987; 165: 588

- xeroradiography in the diagnosis of the Haglund syndrome, Burhenne LJW; Connell DG, *J Canad Assoc Radiol* 1986; 37: 157
- xeroradiography of the breast: overview of 21,057 consecutive cases, Wolfe JN; Buck KA; Salane M; Parekh NJ, *Radiology* 1987; 165: 305

X rays

- See Diagnostic radiology; Dosimetry; Radiations; Radiography; Therapeutic radiology

Y

Yttrium, radioactive

- generator-produced yttrium-90 for radioimmunotherapy, Chinol M; Hnatowich DJ, *J Nucl Med* 1987; 28: 1465
- patient biodistribution of intraperitoneally administered yttrium-90-labeled antibody, Hnatowich DJ; Chinol M; Siebecker DA; et al, *J Nucl Med* 1988; 29: 1428
- ⁹⁰yttrium antiferritin—new therapeutic radiolabeled antibody, Order SE; Klein JL; Lechner PK; et al, *Int J Radiat Oncol Biol Phys* 1986; 12: 277

Z

Zinc

- zinc fume fever, Brown JLL, *Br J Radiol* 1988; 61: 327

Zollinger-Ellison syndrome

- See Pancreas, neoplasms

Comprehensive list of terms used in this index...

A

- Abdomen
- Abdomen, abnormalities
- Abdomen, abscess
- Abdomen, acute conditions
- Abdomen, anatomy
- Abdomen, biopsy
- Abdomen, CT
- Abdomen, cysts
- Abdomen, diseases
- Abdomen, hematoma
 - Use Abdomen, hemorrhage
- Abdomen, hemorrhage
- Abdomen, infection
- Abdomen, injuries
- Abdomen, MR studies
- Abdomen, neoplasms
- Abdomen, radiography
- Abdomen, radionuclide studies
- Abdomen, surgery
- Abdomen, therapeutic radiology
- Abdomen, US studies
- Abortion
- Abscess
 - Use also under names of individual organs and regions, such as Liver, abscess
- Abscess, CT
- Abscess, MR studies
- Abscess, percutaneous drainage
- Abscess, radionuclide studies
- Abscess, US studies
- Abused children
 - Use Children, injuries; Infants, injuries
- Acetabulum
 - Use also Hip
- Acetabulum, CT
- Acetabulum, fractures
- Achalasia
- Achondroplasia
 - Use Bones, osteochondrodysplasias
- Acquired immunodeficiency syndrome (AIDS)
- Acromegaly
 - Use Osteolysis
- Actinomycosis
- Addison disease
 - Use Adrenal gland, insufficiency
- Adenocarcinoma
- Adenoids
- Adenoma
 - Use neoplasms under the name of a specific organ
- Adrenal gland, abnormalities
- Adrenal gland, abscess
- Adrenal gland, biopsy
- Adrenal gland, CT
- Adrenal gland, cysts
- Adrenal gland, diseases
- Adrenal gland, hemorrhage
- Adrenal gland, insufficiency
- Adrenal gland, MR studies
- Adrenal gland, neoplasms
- Adrenal gland, radionuclide studies
- Adrenal gland, therapeutic radiology
- Adrenal gland, US studies
- Adrenoleukodystrophy
 - Use Adrenal gland, insufficiency
- Aerosols
- Aging
- Alagille syndrome
 - Use Liver, diseases
- Albumin
- Alcohol
- Alcoholism
- Allergy
 - Use Anaphylaxis and allergy
- Aluminum
- Alzheimer disease
 - Use Dementia
- Amebiasis
- American Board of Radiology
- American Medical Association
- Amniocentesis
- Amniography
- Amniotic fluid
- Amyloidosis
- Analgesics
 - Use Anesthesia
- Anaphylaxis and allergy
- Anemia
- Anemia, aplastic
- Anesthesia
- Aneurysm
 - Aneurysm, abdominal
 - Aneurysm, aortic
 - Aneurysm, cardiac
 - Aneurysm, carotid
 - Aneurysm, cerebellar
 - Aneurysm, cerebral
 - Aneurysm, coronary
 - Aneurysm, cranial
 - Aneurysm, ductus arteriosus
 - Aneurysm, femoral
 - Aneurysm, gastroduodenal
 - Aneurysm, hepatic
 - Aneurysm, iliac
 - Aneurysm, intracranial
 - Aneurysm, mesenteric
 - Aneurysm, MR studies
 - Aneurysm, mycotic
 - Aneurysm, pancreaticoduodenal
 - Aneurysm, portal vein
 - Aneurysm, pulmonary
 - Aneurysm, renal
 - Aneurysm, rupture
 - Aneurysm, saphenous
 - Aneurysm, sciatic
 - Aneurysm, splenic
 - Aneurysm, subclavian
 - Aneurysm, vein of Galen
 - Aneurysm, vertebral
 - Aneurysm, vertebrobasilar
 - Aneurysmal bone cyst
 - Use Bones, cysts
- Angina
- Angiocardiography
 - Use also Angiography; Coronary angiography
- Angiocardiography, contrast media
- Angiocardiography, radionuclide
- Angiofibroma
- Angiography
 - Angiography, comparative studies
 - Angiography, complications
 - Angiography, contrast media
 - Angiography, in infants and children
 - Angiography, intravenous
 - Angiography, postoperative
 - Angiography, preoperative
 - Angiography, radionuclide
 - Angiography, technology
- Angioma
 - Angioma, cardiovascular system
 - Angioma, central nervous system
 - Angioma, gastrointestinal tract
 - Angioma, genitourinary system
 - Angioma, muscular
 - Angioma, respiratory system
 - Angioma, skeletal system
 - Angiomyolipoma
 - Use Lipoma and lipomatosis
- Angioplasty
 - Use Arteries, transluminal angioplasty; Veins, transluminal angioplasty
- Angiosarcoma
 - Use Sarcoma
- Angioscopy
- Aniridia
 - Use Eye, abnormalities
- Anisakiasis
 - Use Parasites
- Ankle
 - Ankle, abnormalities
 - Ankle, anatomy
 - Ankle, arthrography
 - Ankle, CT
 - Ankle, fractures
 - Ankle, injuries
 - Ankle, MR studies
 - Ankle, prostheses
- Ankylosing spondylitis
 - Use Spondylitis
- Anorexia nervosa
- Anoxia
 - Use Hypoxia
- Antibiotics
- Anticoagulants
- Antigens and antibodies
 - Use Immunity
- Anus
 - Anus, abnormalities
 - Anus, CT
 - Anus, imperforate
 - Anus, MR studies
 - Anus, neoplasms
 - Anus, therapeutic radiology
 - Anus, US studies
- Aorta
 - Use also Aortic valve; Aortography
- Aorta, abnormalities
- Aorta, abscess
- Aorta, aneurysm
 - Use Aneurysm, aortic
- Aorta, angiography
 - Use Aortography
- Aorta, calcification
- Aorta, coarctation
 - Use Aorta, stenosis or obstruction

Aorta, CT
 Aorta, diseases
 Aorta, dissection
 Aorta, enlarged
 Aorta, flow dynamics
 Aorta, grafts and prostheses
 Aorta, inflammation
 Use Aortitis
 Aorta, injuries
 Aorta, interventional procedure
 Use Aorta, transluminal angioplasty
 Aorta, MR studies
 Aorta, neoplasms
 Aorta, occlusion
 Use Aorta, stenosis or obstruction
 Aorta, prostheses
 Use Aorta, grafts and prostheses
 Aorta, radionuclide studies
 Aorta, regurgitation
 Aorta, rupture
 Aorta, stenosis or obstruction
 Aorta, surgery
 Aorta, thrombosis
 Aorta, transluminal angioplasty
 Aorta, US studies
 Aortic valve
 Aortic valve, calcification
 Aortic valve, CT
 Aortic valve, diseases
 Aortitis
 Aortography
 Aortography, contrast media
 Aortography, technology
 Appendicitis
 Appendix
 Appendix, abscess
 Appendix, CT
 Appendix, diverticula
 Appendix, inflammation
 Use Appendicitis
 Appendix, intussusception
 Appendix, neoplasms
 Appendix, obstruction
 Appendix, radionuclide studies
 Appendix, US studies
 Arachnoid
 Use also Meninges
 Arachnoid, CT
 Arachnoid, cysts
 Arachnoid, hemorrhage
 Arachnoid, inflammation
 Use Arachnoiditis
 Arachnoid, MR studies
 Arachnoiditis
 Armed Forces Institute of Pathology
 Arteries
 Use also Aneurysm; Angiography;
 Arteriovenous malformations; Cerebral
 blood vessels; Coronary vessels; Embolism;
 Thrombosis; under names of specific blood
 vessels, such as Aorta
 Arteries, abnormalities
 Arteries, basilar
 Arteries, brachiocephalic
 Use Arteries, innominate
 Arteries, bronchial
 Arteries, calcification
 Arteries, carotid
 Use Carotid arteries
 Arteries, celiac
 Arteries, cerebellar
 Arteries, choroidal
 Arteries, CT
 Arteries, cystic
 Arteries, extremities
 Arteries, femoral
 Use also Arteries, extremities
 Arteries, fibrodysplasia
 Arteries, flow dynamics
 Use Blood, flow dynamics
 Arteries, gastric
 Arteries, gastroduodenal
 Arteries, grafts and prostheses
 Arteries, hepatic
 Use Hepatic arteries
 Arteries, hypogastric
 Arteries, ileocolic
 Arteries, iliac
 Use also Arteries, extremities
 Arteries, inflammation
 Use Arteritis
 Arteries, injuries
 Arteries, innominate
 Arteries, interventional procedure
 Use Arteries, transluminal angioplasty
 Arteries, laser angioplasty

Arteries, mammary
 Arteries, mesenteric
 Arteries, MR studies
 Arteries, peripheral
 Arteries, popliteal
 Use also Arteries, extremities
 Arteries, posterior cerebral
 Arteries, posterior humeral circumflex
 Arteries, prostheses
 Use Arteries, grafts and prostheses
 Arteries, pudendal
 Arteries, pulmonary
 Use Pulmonary arteries
 Arteries, radionuclide studies
 Arteries, renal
 Use Renal arteries
 Arteries, sciatic
 Arteries, spinal
 Arteries, splenic
 Arteries, stenosis or obstruction
 Arteries, subclavian
 Arteries, surgery
 Arteries, therapeutic blockade
 Arteries, tibial
 Use also Arteries, extremities
 Arteries, transluminal angioplasty
 Use also Arteries, laser angioplasty
 Arteries, umbilical
 Arteries, US studies
 Arteries, vertebral
 Use Vertebral arteries
 Arteries, vertebrobasilar
 Arteriography
 Use Angiography
 Arteriosclerosis
 Arteriovenous malformations
 Arteriovenous malformations, cerebral
 Arteriovenous malformations, cranial
 Arteriovenous malformations, extremities
 Arteriovenous malformations, hepatic
 Arteriovenous malformations, intestinal
 Arteriovenous malformations, intraosseous
 Arteriovenous malformations, pelvic
 Arteriovenous malformations, peribronchial
 Arteriovenous malformations, pulmonary
 Arteriovenous malformations, renal
 Arteriovenous malformations, spinal
 Arteritis
 Arthritis
 Arthritis, degenerative
 Arthritis, in infants and children
 Arthritis, psoriatic
 Arthritis, rheumatoid
 Arthritis, septic
 Arthrography
 Use also under names of specific joints, such as
 Ankle; Hip; Knee; Wrist; etc.
 Arthrography, contrast media
 Arthrography, radiation exposure
 Arthrography, technology
 Arthroscopy
 Arthrosonography
 Use Joints, US studies
 Asbestos
 Asbestosis
 Ascariasis
 Ascites
 Aspergillosis
 Asphyxia
 Aspirin
 Asplenia
 Use Spleen, abnormalities
 Astrocytoma
 Atelectasis
 Use Lung, collapse
 Atherectomy
 Atherosclerosis
 Use Arteriosclerosis
 Athletics
 Atlas and axis
 Atlas and axis, abnormalities
 Atlas and axis, dislocation
 Atlas and axis, fractures
 Atrial septal defect

B

Bacillus Calmette-Guerin (BCG)
 Bacteria
 Balloons
 Use Catheters and catheterization
 Barium
 Barium enema examination

Barium enema examination, complications
 Barium enema examination, in infants and
 children
 Barium enema examination, technology
 Basal ganglia
 Basal ganglia, calcification
 Basal ganglia, CT
 Basal ganglia, MR studies
 Battered children
 Use Children, injuries; Infants, injuries
 Behcet disease
 Bile
 Bile duct radiography
 Bile duct radiography, contrast media
 Bile duct radiography, intraoperative
 Bile duct radiography, technology
 Bile ducts
 Use also Gallbladder
 Bile ducts, abnormalities
 Bile ducts, anatomy
 Bile ducts, biopsy
 Bile ducts, calculi
 Bile ducts, CT
 Bile ducts, cysts
 Bile ducts, diseases
 Bile ducts, endoscopic drainage
 Bile ducts, enlarged
 Bile ducts, hemorrhage
 Bile ducts, inflammation
 Use Cholangitis
 Bile ducts, injuries
 Bile ducts, interventional procedure
 Bile ducts, leakage
 Bile ducts, MR studies
 Bile ducts, neoplasms
 Bile ducts, obstruction
 Use Bile ducts, stenosis or obstruction
 Bile ducts, percutaneous drainage
 Use Bile ducts, interventional procedure
 Bile ducts, prostheses
 Bile ducts, radionuclide studies
 Bile ducts, size
 Bile ducts, stenosis or obstruction
 Bile ducts, stone extraction
 Bile ducts, surgery
 Bile ducts, therapeutic radiology
 Bile ducts, US studies
 Biliary ducts
 Use Bile ducts
 Biliary tract
 Use Bile ducts
 Binswanger disease
 Use Brain, white matter
 Biopsies
 Use also under names of specific organs, such
 as Liver, biopsy
 Biopsies, complications
 Biopsies, technology
 Bladder
 Bladder, abnormalities
 Bladder, calculi
 Bladder, CT
 Bladder, diseases
 Bladder, hernia
 Bladder, inflammation
 Use Cystitis
 Bladder, injuries
 Bladder, MR studies
 Bladder, neoplasms
 Use Bladder neoplasms
 Bladder, obstruction
 Use Bladder, stenosis or obstruction
 Bladder, radiography
 Bladder, radionuclide studies
 Bladder, rupture
 Bladder, stenosis or obstruction
 Bladder, surgery
 Bladder, US studies
 Bladder neoplasms
 Bladder neoplasms, CT
 Bladder neoplasms, in infants and children
 Bladder neoplasms, MR studies
 Bladder neoplasms, radionuclide studies
 Bladder neoplasms, staging
 Bladder neoplasms, therapeutic radiology
 Bladder neoplasms, US studies
 Blastoma
 Blastomycosis
 Bleomycin
 Blood
 Use also Anemia; Leukemia
 Blood, calcium
 Blood, coagulation
 Blood, diseases
 Blood, fibrinogen
 Blood, flow dynamics

Blood, MR studies
 Blood, platelets
 Blood, radionuclide studies
 Blood, sodium
 Blood, US studies
 Blood, volume
 Blood-brain barrier
 Blood vessels
 Blood vessels, CT
 Blood vessels, flow dynamics
 Use Blood, flow dynamics
 Blood vessels, foreign bodies
 Blood vessels, grafts
 Blood vessels, inflammation
 Use Vasculitis
 Blood vessels, MR studies
 Blood vessels, stenosis or obstruction
 Blood vessels, US studies
 Bone marrow
 Bone marrow, biopsy
 Bone marrow, CT
 Bone marrow, effects of irradiation on
 Bone marrow, MR studies
 Bone marrow, radionuclide studies
 Bone marrow, transplantation
 Bone neoplasms
 Bone neoplasms, angiography
 Bone neoplasms, CT
 Bone neoplasms, diagnosis
 Bone neoplasms, metastases
 Bone neoplasms, MR studies
 Bone neoplasms, radionuclide studies
 Bone neoplasms, secondary
 Bone neoplasms, staging
 Bone neoplasms, therapeutic radiology
 Bone neoplasms, therapy
 Bone neoplasms, US studies
 Bones
 Use also under names of individual bones
 Bones, abnormalities
 Bones, biopsy
 Bones, blood supply
 Bones, chromosomal aberrations
 Bones, CT
 Bones, cysts
 Bones, diseases
 Bones, dysostoses
 Use also Bones, osteochondrodysplasias
 Bones, dysplasia
 Use Bones, dysostoses; Bones, osteochondrodysplasias
 Bones, effects of drugs on
 Bones, effects of irradiation on
 Bones, epiphyses
 Bones, fibroma
 Bones, fibrous dysplasia
 Bones, fractures
 Use Fractures
 Bones, grafts
 Bones, growth and development
 Bones, hypertrophy
 Bones, infarction
 Bones, infection
 Bones, injuries
 Bones, measurement
 Bones, metaphyses
 Bones, mineralization
 Bones, MR studies
 Bones, necrosis
 Bones, neoplasms
 Use Bone neoplasms
 Bones, osteochondrodysplasias
 Bones, osteoporosis
 Use Osteoporosis
 Bones, primary disturbances of growth
 Bones, primary metabolic abnormalities
 Bones, radiography
 Bones, radionuclide studies
 Bones, sclerosis
 Bones, surgery
 Bones, US studies
 Book reviews
 Bowl
 Use Intestines
 Brachial plexus
 Brachial plexus, CT
 Brachial plexus, MR studies
 Brain
 Use also Brain neoplasms; Head; Meninges
 Brain, abnormalities
 Brain, abscess
 Brain, air embolism
 Brain, anatomy
 Brain, aneurysm
 Use Aneurysm, cerebral
 Brain, arteriosclerosis

Brain, atrophy
 Brain, biopsy
 Brain, calcification
 Brain, CT
 Brain, cysts
 Brain, death
 Brain, diseases
 Brain, edema
 Brain, effects of drugs on
 Brain, effects of irradiation on
 Brain, enlarged
 Brain, growth and development
 Brain, hematoma
 Use Brain, hemorrhage
 Brain, hemorrhage
 Brain, hernia
 Brain, hydrocephalus
 Brain, infarction
 Brain, infection
 Brain, inflammation
 Use Encephalitis
 Brain, injuries
 Brain, ischemia
 Brain, MR studies
 Brain, mycoses
 Brain, necrosis
 Brain, neoplasms
 Use Brain neoplasms
 Brain, parasites
 Brain, radiography
 Brain, radionuclide studies
 Brain, size
 Use Brain, volume
 Brain, surgery
 Brain, US studies
 Brain, volume
 Brain, white matter
 Brain neoplasms
 Use also Meninges, neoplasms
 Brain neoplasms, angiography
 Brain neoplasms, CT
 Brain neoplasms, diagnosis
 Brain neoplasms, in infants and children
 Brain neoplasms, metastases
 Brain neoplasms, MR studies
 Brain neoplasms, radionuclide studies
 Brain neoplasms, secondary
 Brain neoplasms, therapeutic radiology
 Brain neoplasms, therapy
 Brain neoplasms, US studies
 Brain stem
 Brain stem, hemorrhage
 Brain stem, MR studies
 Brain stem, neoplasms
 Brain stem, US studies
 Breast
 Breast, angiography
 Breast, biopsy
 Breast, calcification
 Breast, CT
 Breast, cysts
 Breast, diseases
 Breast, fibroma
 Breast, male
 Breast, MR studies
 Breast, necrosis
 Breast, neoplasms
 Use Breast neoplasms
 Breast, parenchymal pattern
 Breast, prostheses
 Breast, radionuclide studies
 Breast, surgery
 Breast, thermography
 Use Thermography
 Breast, transillumination
 Breast, US studies
 Breast, xeroradiography
 Breast neoplasms
 Breast neoplasms, CT
 Breast neoplasms, diagnosis
 Breast neoplasms, localization
 Breast neoplasms, male
 Breast neoplasms, metastases
 Breast neoplasms, MR studies
 Breast neoplasms, radionuclide studies
 Breast neoplasms, staging
 Breast neoplasms, therapeutic radiology
 Breast neoplasms, therapy
 Breast neoplasms, US studies
 Breast radiography
 Breast radiography, quality assurance
 Breast radiography, radiation dose
 Breast radiography, technology
 Breast radiography, utilization
 Bromocriptine

Bronchi
 Use also Lung
 Bronchi, abnormalities
 Bronchi, angiography
 Bronchi, CT
 Bronchi, cysts
 Bronchi, diseases
 Bronchi, interventional procedure
 Bronchi, intubation
 Bronchi, MR studies
 Bronchi, neoplasms
 Bronchi, obstruction
 Use Bronchi, stenosis or obstruction
 Bronchi, radiography
 Use Bronchography
 Bronchi, radionuclide studies
 Bronchi, stenosis or obstruction
 Bronchi, therapeutic radiology
 Bronchi, US studies
 Bronchiectasis
 Bronchiolitis
 Bronchography
 Broncholithiasis
 Bronchoscopy
 Brucellosis
 Buckylosis
 Budd-Chiari syndrome
 Use Hepatic veins, thrombosis
 Burkitt tumor
 Use Lymphoma
 Bursa
 Burnitis
 C
 Calcaneus
 Calcaneus, CT
 Calcaneus, fractures
 Calcification
 Use under names of organs and regions, such as Brain, calcification
 Calcinosia
 Use Calcium
 Calcium
 Calve-Legg-Perthes disease
 Use Bones, necrosis
 Cameras
 Campylobacter jejuni
 Use Intestines, infection
 Cancer
 Use Cancer screening; Neoplasms; Radiations, injurious effects; Radiobiology; under names of organs and regions; under names of individual neoplasms
 Cancer screening
 Candidiasis
 Carbon dioxide
 Carbon monoxide
 Carcinoid
 Cardia
 Use Stomach
 Caroli disease
 Use Bile ducts, diseases
 Carotid arteries
 Use also Cerebral angiography; Cerebral blood vessels
 Carotid arteries, abnormalities
 Carotid arteries, aneurysm
 Use Aneurysm, carotid
 Carotid arteries, angiography
 Carotid arteries, CT
 Carotid arteries, diseases
 Carotid arteries, dissection
 Carotid arteries, fibrodysplasia
 Carotid arteries, flow dynamics
 Carotid arteries, injuries
 Carotid arteries, interventional procedure
 Use Carotid arteries, transluminal angioplasty
 Carotid arteries, MR studies
 Carotid arteries, occlusion
 Use Carotid arteries, stenosis or obstruction
 Carotid arteries, rupture
 Carotid arteries, stenosis or obstruction
 Carotid arteries, therapeutic blockade
 Carotid arteries, thrombosis
 Carotid arteries, transluminal angioplasty
 Carotid arteries, ulceration
 Carotid arteries, US studies
 Carotid body, neoplasms
 Carotid body, therapeutic radiology
 Carpus
 Use Wrist
 Cartilage

Castleman tumor
 Use Hamartoma
Cataracts
Catheters and catheterization
Catheters and catheterization, complications
Catheters and catheterization, in infants and children
Catheters and catheterization, technology
Cat-scratch fever
Cauda equina
 Use Spinal cord
Caustic agents, ingestion
Cavernous sinus
Cavernous sinus, CT
Cavernous sinus, MR studies
Cavernous sinus, neoplasms
Cavernous sinus, thrombosis
Celiac disease
Cellulitis
Cerebellopontine angle
Cerebellopontine angle, MR studies
Cerebellopontine angle, neoplasms
Cerebellum
 Use Brain
Cerebral angiography
 Use also Brain; Brain neoplasms; Cerebral blood vessels
Cerebral angiography, contrast media
Cerebral angiography, radionuclide
Cerebral angiography, technology
Cerebral blood vessels
Cerebral blood vessels, abnormalities
Cerebral blood vessels, anatomy
Cerebral blood vessels, angiography
 Use Cerebral angiography
Cerebral blood vessels, CT
Cerebral blood vessels, diseases
Cerebral blood vessels, enlarged
Cerebral blood vessels, flow dynamics
Cerebral blood vessels, inflammation
Cerebral blood vessels, MR studies
Cerebral blood vessels, occlusion
 Use Cerebral blood vessels, stenosis or obstruction
Cerebral blood vessels, radionuclide studies
Cerebral blood vessels, stenosis or obstruction
Cerebral blood vessels, therapeutic blockade
Cerebral blood vessels, thrombosis
Cerebral blood vessels, US studies
Cerebral blood vessels, varices
Cerebral infarction
 Use Brain, infarction
Cerebral palsy
Cerebrospinal fluid
Cerebrospinal fluid, CT
Cerebrospinal fluid, flow dynamics
Cerebrospinal fluid, leakage
Cerebrospinal fluid, MR studies
Cerebrospinal fluid, radionuclide studies
Ceruletide
Cervix
 Use Uterine neoplasms; Uterus
Cesium, radioactive
Chemodectoma
 Use Paraganglioma
Chemotherapy
Chemotherapy, complications
Cherubism
 Use Bones, fibrous dysplasia
Chest
 Use Thorax
Chiari-Budd syndrome
 Use Hepatic veins, thrombosis
Children
 Use also Infants; Infants, newborn; under names of procedures
Children, cardiovascular system
Children, central nervous system
Children, endocrine glands
Children, gastrointestinal tract
Children, genitourinary system
Children, injuries
Children, lymphatic system
Children, neoplasms
 Use Neoplasms, in infants and children
Children, radiography
 Use Radiography, in infants and children
Children, respiratory system
Children, skeletal system
Chloroma
Cholangiography
 Use Bile duct radiography
Cholangitis
Cholecystitis
Cholecystography
 Use Gallbladder, radiography

Cholecystokinin
 Use Hormones
Cholecystosonography
 Use Gallbladder, US studies
Cholecystostomy
 Use Gallbladder, interventional procedure
Choledochoplasty
 Use Bile ducts, surgery
Cholelithiasis
 Use Gallbladder, calculi
Cholescintigraphy
 Use Gallbladder, radionuclide studies
Cholesteatoma
Cholesterol
Chondroblastoma
 Use Chondroma
Chondrocalcinosis
Chondroma
Chondromyxoid fibroma
Chondropathy
Chondrosarcoma
 Use Sarcoma
Chordoma
Chorioangioma
 Use Placenta, neoplasms
Choroid plexus
Choroid plexus, CT
Choroid plexus, MR studies
Choroid plexus, neoplasms
Choroid plexus, US studies
Chromosomes
 Use also Bones, chromosomal aberrations
Chromosomes, abnormalities
Chrysotherapy
Chyloperitoneum
Chyllothorax
Cirrhosis
 Use Liver, cirrhosis
Cisternography
Cisternography, CT
Cisternography, radionuclide
Cisternography, technology
Clavicle
Cobalt, radioactive
Coccidioidomycosis
Cockayne syndrome
 Use Bones, osteochondrodysplasias
Colitis
Colitis, granulomatous
Colitis, ischemic
Colitis, pseudomembranous
Colitis, ulcerative
Colon
 Use also Gastrointestinal tract; Intestines
Colon, abnormalities
Colon, adenomatosis
Colon, anatomy
Colon, CT
Colon, diseases
Colon, diverticula
Colon, enlarged
Colon, function
Colon, gas
Colon, hemorrhage
Colon, inflammation
 Use Colitis
Colon, ischemia
Colon, MR studies
Colon, mucosa
Colon, neoplasms
Colon, obstruction
 Use Colon, stenosis or obstruction
Colon, perforation
Colon, polyps
 Use Colon, neoplasms
Colon, radiography
Colon, radionuclide studies
Colon, stenosis or obstruction
Colon, stricture
 Use Colon, stenosis or obstruction
Colon, surgery
Colon, therapeutic radiology
Colon, ulcers
Colon, US studies
Colon, varices
Colonoscopy
Compensators
Computed tomographic (CT) guidance
Computed tomography (CT)
Computed tomography (CT), artifact
Computed tomography (CT), attenuation coefficients
Computed tomography (CT), beam hardening
Computed tomography (CT), cine
Computed tomography (CT), clinical effectiveness

Computed tomography (CT), comparative studies
Computed tomography (CT), complications
Computed tomography (CT), computer programs
Computed tomography (CT), contrast media
Computed tomography (CT), data processing
Computed tomography (CT), dual-energy
Computed tomography (CT), efficacy studies
 Use Efficacy study, CT
Computed tomography (CT), emission
 Use Emission CT
Computed tomography (CT), experimental
Computed tomography (CT), image display and recording
Computed tomography (CT), image processing
Computed tomography (CT), image quality
Computed tomography (CT), in infants and children
Computed tomography (CT), pediatric
 Use Computed tomography (CT), in infants and children
Computed tomography (CT), physics
Computed tomography (CT), preoperative
Computed tomography (CT), radiation exposure
Computed tomography (CT), technology
Computed tomography (CT), therapeutic radiology
Computed tomography (CT), tissue characterization
Computed tomography (CT), treatment planning
Computed tomography (CT), utilization
Computers
 Use also Computed tomography (CT)
Computers, diagnostic aid
Computers, examination control
Connective tissue, diseases
Connective tissue, inflammation
 Use Cellulitis
Contraceptives and contraceptive devices
Contrast media
Contrast media, comparative studies
Contrast media, complications
Contrast media, effects
Contrast media, fatty acid
Contrast media, magnetic resonance (MR)
 Use Magnetic resonance (MR), contrast media
Contrast media, toxicity
Coronary angiography
 Use also Angiocardiology
Coronary angiography, complications
Coronary angiography, contrast media
Coronary angiography, technology
Coronary vessels
Coronary vessels, anomalies
Coronary vessels, calcification
Coronary vessels, diseases
Coronary vessels, dissection
Coronary vessels, flow dynamics
Coronary vessels, MR studies
Coronary vessels, obstruction
 Use Coronary vessels, stenosis or obstruction
Coronary vessels, radionuclide studies
Coronary vessels, spasm
Coronary vessels, stenosis or obstruction
Coronary vessels, surgery
Coronary vessels, thrombosis
Coronary vessels, transluminal angioplasty
Coronary vessels, US studies
Corpus callosum
Corpus callosum, abnormalities
Corpus callosum, agenesis
Corpus callosum, CT
Corpus callosum, MR studies
Corpus cavernosum
Cost effectiveness
Craniopharyngioma
Cranium
 Use Skull
Crohn disease
 Use Intestines, diseases
Cryosurgery
Cryptococcosis
Cushing syndrome
Cyst
Cyst, percutaneous drainage
Cysticercosis
 Use also Parasites
Cystic fibrosis
 Use Fibrosis, cystic
Cystitis
Cystourethrography
 Use Bladder, radiography

D

Dacryocystography
Use Lacrimal gland and duct, radiography

Dandy-Walker syndrome
Use Brain, abnormalities

Deafness

Decision theory

Defecography

Dehydration disorders

Dementia

Dermatitis

Dermatomyositis

Dermoid

Desmoid

Diabetes insipidus

Diabetes mellitus

Diabetes mellitus, complications

Diagnostic radiology
Use also Radiography; Radiology and radiologists

Diagnostic radiology, observer performance

Diagnostic radiology, quality assurance
Use Quality assurance

Diagnostic radiology, radiation exposure

Diagnostic radiology, radiation hazard

Dialysis

Dialysis, shunts

Diaphanography
Use Breast, transillumination

Diaphragm

Diaphragm, abnormalities

Diaphragm, CT

Diaphragm, injuries

Diaphragm, neoplasms

Diaphragm, rupture

Diaphragm, US studies

Diarrhea

Diastematomyelia

Diatrizoate

Diethylentriaminepentaacetic acid (DTPA)

Digital radiography
Use Radiography, digital

Digital subtraction angiography

Digital subtraction angiography, comparative studies

Digital subtraction angiography, in infants and children

Digital subtraction angiography, technology

Dosimetry

Dosimetry, radionuclide

Down syndrome

Doxorubicin

Drash syndrome

Drowning

Drugs

Drugs, abuse

Drugs, effects

Drugs, toxicity

Dual-energy scanning and subtraction
Use Subtraction, dual-energy

Ductus arteriosus

Duodenal ulcer
Use Peptic ulcer

Duodenum
Use also Gastrointestinal tract; Intestines

Duodenum, abnormalities

Duodenum, CT

Duodenum, diseases

Duodenum, diverticula

Duodenum, hemorrhage

Duodenum, MR studies

Duodenum, neoplasms

Duodenum, perforation

Duodenum, radiography

Duodenum, stenosis or obstruction

Duodenum, US studies

Dural sinus
Use Sinuses, dural

Dwarfism
Use Bones, osteochondrodysplasias

Dysphagia
Use Deglutition disorders

E

Ear

Ear, abnormalities

Ear, anatomy

Ear, CT

Ear, diseases

Ear, inflammation and infection

Ear, injuries

Ear, MR studies

Ear, neoplasms

Ear, prostheses

Ear, surgery

Ear, tomography

Ear, US studies

Ebstein anomaly
Use Tricuspid valve

Echinococcosis
Use also Parasites

Echocardiography
Use Heart, US studies

Economics, medical

Editorials
Use also Opinions

Education

Efficacy study

Efficacy study, CT

Ejaculatory duct

Elbow

Elbow, anatomy

Elbow, arthrography

Elbow, CT

Elbow, dislocation

Elbow, injuries

Elbow, MR studies

Elbow, prostheses

Elbow, radiography

Elbow, radionuclide studies

Electrocardiography (ECG)

Electrocoagulation

Ellison-Zollinger syndrome
Use Pancreas, neoplasms

Embolism
Use also Thrombosis

Embolism, fat

Embolism, foreign body

Embolism, gas

Embolism, hepatic

Embolism, oil

Embolism, pulmonary

Embolism, renal

Embolism, splenic

Embolism, therapeutic
Use Arteries, therapeutic blockade; Veins, therapeutic blockade

Emergency medical service system

Emission CT

Emphysema

Emphysema, interstitial

Emphysema, pulmonary

Emphysema, renal

Emphysema, subcutaneous

Empyema

Encephalitis

Encephalocele
Use Brain, hernia

Encephalography
Use Brain, radiography

Encephalomalacia

Encephalopathy
Use Brain, diseases

Enchondroma

Endocarditis
Use Endocarditis

Endocardium, inflammation

Endocrine glands

Endocrine glands, dysfunction

Endocrine glands, neoplasms

Endometriosis

Endometrium
Use Uterus

Endoscopic retrograde cholangiopancreatography (ERCP)

Endoscopy

Endoscopy, comparative studies

Enemas

Enteritis

Enteroclysis

Enterocolitis
Use Colitis

Ependymoma

Epidermoid

Epididymis

Epididymis, US studies

Epididymitis

Epiglottis, cysts

Epiglottitis

Epilepsy

Epinephrine

Epiphyses
Use Bones, epiphyses

Epistaxis
Use Nose, hemorrhage

Epithelioma

Erdheim-Chester disease
Use Lipogranulomatosis

Ergot and ergot preparations

Erythrocytes
Use Red blood cells

Esophagitis

Esophagus

Esophagus, abnormalities

Esophagus, achalasia

Esophagus, atresia
Use Esophagus, abnormalities

Esophagus, CT

Esophagus, cysts

Esophagus, diseases

Esophagus, diverticula

Esophagus, effects of irradiation on

Esophagus, foreign bodies
Use Foreign bodies, in air and food passages

Esophagus, function

Esophagus, grafts

Esophagus, hemorrhage

Esophagus, inflammation
Use Esophagitis

Esophagus, injuries

Esophagus, interventional procedure

Esophagus, motility

Esophagus, MR studies

Esophagus, mucosa

Esophagus, neoplasms

Esophagus, obstruction
Use Esophagus, stenosis or obstruction

Esophagus, perforation

Esophagus, postoperative

Esophagus, radiography

Esophagus, radionuclide studies

Esophagus, reflux

Esophagus, rupture

Esophagus, stenosis or obstruction

Esophagus, surgery

Esophagus, therapeutic radiology

Esophagus, therapy

Esophagus, ulcers

Esophagus, US studies

Esophagus, varices

Esthesioneuroblastoma
Use Blastoma

Estrogen
Use Hormones

Ethanol
Use Alcohol

Ethics, medical

Ethiodol
Use Contrast media, fatty acid

Ethmoid bone

Ethylenediaminetetraphosphonate (TP)

Ewing sarcoma

Excretory urography
Use Urography

Exophthalmos

Exostoses

Extracorporeal oxygenation
Use Infants, newborn, respiratory system; Infants, newborn, cardiovascular system

Extremities
Use also Fingers and toes; under names of bones and joints, such as Femur; Knee; etc.

Extremities, abnormalities

Extremities, amputation

Extremities, angiography

Extremities, blood supply

Extremities, CT

Extremities, edema

Extremities, fractures

Extremities, infection

Extremities, injuries

Extremities, measurement

Extremities, MR studies

Extremities, neoplasms

Extremities, prostheses

Extremities, radiography

Extremities, radionuclide studies

Extremities, therapeutic radiology

Extremities, thrombosis

Extremities, US studies

Eye

Eye, abnormalities

Eye, CT

Eye, diseases

Eye, effects of irradiation on

Eye, hemorrhage

Eye, injuries

Eye, MR studies

Eye, neoplasms

Eye, radionuclide studies
 Eye, therapeutic radiology
 Eye, US studies

F

Face
 Use also Eye; Jaws; Nose; etc.
Face, abnormalities
Face, anatomy
Face, CT
Face, fractures
Face, injuries
Face, MR studies
Face, neoplasms
Face, radiography
Face, spasm
Fallopian tubes
Fallopian tubes, abscess
Fallopian tubes, CT
Fallopian tubes, diseases
Fallopian tubes, interventional procedure
Fallopian tubes, neoplasms
Fallopian tubes, therapeutic radiology
Fallopian tubes, US studies
Familial conditions
Fascia, renal
Fasciitis
Fat, CT
Fat, MR studies
Fat, necrosis
Fat, US studies
Feeding tube, complications
Femur
Femur, abnormalities
Femur, CT
Femur, diseases
Femur, fractures
Femur, injuries
Femur, MR studies
Femur, necrosis
Femur, neoplasms
Femur, radionuclide studies
Femur, torsion
Femur, US studies
Ferrites
 Use Iron
Fertility
 Use Sterility
Fetus
 Use also Pregnancy
Fetus, abnormalities
Fetus, blood supply
Fetus, cardiovascular system
Fetus, central nervous system
Fetus, CT
Fetus, death
Fetus, effects of irradiation on
Fetus, gastrointestinal tract
Fetus, genitourinary system
Fetus, growth and development
Fetus, MR studies
Fetus, neoplasms
Fetus, radiography
Fetus, respiratory system
Fetus, skeletal system
Fetus, US studies
 Use also Pregnancy, US studies
Fever
Fibrinogen
 Use Blood, fibrinogen
Fibrinolysis
Fibrolipoma
 Use Lipoma and lipomatosis
Fibroma
 Use also under names of organs and regions, such as Bones, fibroma
Fibromyxoma
 Use Myxoma
Fibrosarcoma
 Use Sarcoma
Fibrosis, cystic
Fibula
Fibula, abnormalities
Films and screens
 Use Screens and films
Filters
Filters, digital
Fingers and toes
 Use also Foot; Hand
Fingers and toes, abnormalities
Fingers and toes, injuries
Fingers and toes, ischemia

Fingers and toes, neoplasms
Fistula
Fistula, anourethral
Fistula, aortobronchopulmonary
Fistula, aortocaval
Fistula, aortoenteric
Fistula, aortoesophageal
Fistula, arterioenteric
Fistula, arterioportal
Fistula, arteriovenous
 Use also Arteriovenous malformations
Fistula, biliopleural
Fistula, bronchobiliary
Fistula, bronchoesophageal
Fistula, bronchopleural
Fistula, carotid
Fistula, carotid-cavernous
Fistula, cholecystoduodenal
Fistula, choledochocolonic
Fistula, colonic
Fistula, colopleural
Fistula, colouterine
Fistula, coronary
Fistula, duodenal-pericardial
Fistula, dural
Fistula, enterobronchial
Fistula, enterovenous
Fistula, enterovesical
Fistula, esophageal
 Use also Fistula, bronchoesophageal; Fistula, tracheoesophageal
Fistula, gastrobronchial
Fistula, gastrointestinal
Fistula, gastropneumatic
Fistula, hepatoduodenal
Fistula, hepatopneumatic
Fistula, nephroduodenal
Fistula, pancreatic-pleural
Fistula, rectovesical
Fistula, renal
Fistula, renoduodenal
Fistula, renopleural
Fistula, splenobronchial
Fistula, therapeutic blockade
Fistula, tracheoesophageal
Fistula, ureteral
Fistula, ureteroarterial
Fistula, urinary
Fistula, vesicocolonic
Fistula, vesicorectal
Fistula, vesicovaginal
Fluorine
Fluoroscopy
 Use also Radiography
Fluoroscopy, technology
Fluorosis
Fluorouracil
Focal spots
Foot
Foot, abnormalities
Foot, anatomy
Foot, CT
Foot, fractures
Foot, infection
Foot, injuries
Foot, neoplasms
Foot, radionuclide studies
Foot, US studies
Foramen magnum
Foreign bodies
Foreign bodies, in air and food passages
Forensic radiology
Forestier disease
Fournier gangrene
 Use Scrotum, diseases
Fractionation
 Use Radiobiology, time-dose studies
Fractures
 Use also under names of individual bones
Fractures, complications
Fractures, pathologic
Fractures, stress
Fractures, therapy
Frostbite
Furosemide

G

Gadolinium
Galactoceles
Gallbladder
 Use also Bile ducts

Gallbladder, abnormalities
Gallbladder, angiography
Gallbladder, calculi
Gallbladder, CT
Gallbladder, diseases
Gallbladder, enlarged
Gallbladder, function
Gallbladder, infarction
Gallbladder, inflammation
 Use Cholecystitis
Gallbladder, injuries
Gallbladder, interventional procedure
Gallbladder, MR studies
Gallbladder, necrosis
Gallbladder, neoplasms
Gallbladder, obstruction
 Use Gallbladder, stenosis or obstruction
Gallbladder, percutaneous drainage
 Use Gallbladder, interventional procedure
Gallbladder, perforation
Gallbladder, radiography
Gallbladder, radionuclide studies
Gallbladder, stenosis or obstruction
Gallbladder, surgery
Gallbladder, US studies
Gallbladder, volume
Gallbladder, wall thickening
Gallium, radioactive
Gallstones
 Use Gallbladder, calculi
Gamma globulins
Ganglion
Ganglioneuroma
Gangrene
Gastric bypass
 Use Stomach, surgery
Gastric ulcer
 Use Peptic ulcer
Gastritis
Gastroesophageal reflux
 Use Esophagus, reflux
Gastrointestinal tract
 Use also Stomach; Duodenum; Colon; Intestines; etc.
Gastrointestinal tract, abnormalities
Gastrointestinal tract, angiography
Gastrointestinal tract, CT
Gastrointestinal tract, diseases
Gastrointestinal tract, endoscopy
 Use Endoscopy
Gastrointestinal tract, hemorrhage
Gastrointestinal tract, infection
Gastrointestinal tract, inflammation
Gastrointestinal tract, interventional procedure
Gastrointestinal tract, MR studies
Gastrointestinal tract, neoplasms
Gastrointestinal tract, perforation
Gastrointestinal tract, radiography
Gastrointestinal tract, radionuclide studies
Gastrointestinal tract, surgery
Gastrointestinal tract, therapeutic radiology
Gastrointestinal tract, US studies
Gastroplasty
 Use Stomach, surgery
Gastrostomy
Gaucher disease
Gelatin foam
Genitourinary system
Genitourinary system, abnormalities
Genitourinary system, calculi
Genitourinary system, CT
Genitourinary system, diseases
Genitourinary system, effects of irradiation on
Genitourinary system, hemorrhage
Genitourinary system, infection
Genitourinary system, injuries
Genitourinary system, interventional procedure
Genitourinary system, MR studies
Genitourinary system, neoplasms
Genitourinary system, prostheses
Genitourinary system, radiography
Genitourinary system, radionuclide studies
Genitourinary system, schistosomiasis
 Use Schistosomiasis
Genitourinary system, stenosis or obstruction
Genitourinary system, therapeutic radiology
Genitourinary system, US studies
Genitourinary tract
 Use Genitourinary system; Urin. Urography; under names of organs, such as bladder; Kidney
Glioma
 Use Brain neoplasms
Glomus jugulare, neoplasms
Glucagon

Glucose
Glycogen
Glycogen storage disease
Goiter
Gold, radioactive
Gout
Grafts
Grafts, infection
Grafts, radionuclide studies
Grafts, stenosis
Grafts, therapeutic radiology
Granulocytes
 Use Leukocytes
Granuloma
Granuloma, eosinophilic
 Use Histiocytosis
Granuloma, giant-cell reparative
Granulomatosis
 Use Granuloma
Graves disease
 Use Goiter; Thyroid, hyperthyroidism
Grids
 Use Radiography, technology
Gynecology
Gynecology, MR studies
Gynecology, US studies
Gynecomastia
 Use Breast, male

H

Hamartoma
Hand
 Use also Extremities; Fingers and toes
Hand, abnormalities
Hand, arthritis
Hand, injuries
Hand, neoplasms
Hand, prostheses
Hand, radiography
Hand, radionuclide studies
Hand, US studies
Head
 Use also Brain; Skull
Head, CT
Head, injuries
Head, MR studies
Head, neoplasms
Head, therapeutic radiology
Head, US studies
Health policy
Heart
 Use also Coronary vessels; Myocardium;
 Pericardium
Heart, abnormalities
Heart, anatomy
Heart, calcification
Heart, catheterization
Heart, CT
Heart, digital subtraction angiography
Heart, diseases
Heart, effects of drugs on
Heart, effects of irradiation on
Heart, ejection fraction
Heart, experimental studies
Heart, failure
Heart, fibroma
Heart, flow dynamics
Heart, foreign bodies
Heart, function
Heart, hernia
Heart, hypertrophy
Heart, infarction
Heart, infection
Heart, inflammation
 Use Endocarditis
Heart, injuries
Heart, insufficiency
 Use Heart, failure
Heart, interventional procedure
Heart, ischemia
Heart, MR studies
Heart, neoplasms
Heart, obstruction
Heart, pacemakers
Heart, prostheses
Heart, radiography
Heart, radionuclide studies
Heart, rhythm
Heart, size
 Use Heart, volume
Heart, surgery

Heart, tamponade
Heart, thrombosis
Heart, transplantation
Heart, US studies
Heart, valves
Heart, ventricles
Heart, volume
Helium ion therapy
Hemangioblastoma
 Use Angioma
Hemangioendothelioma
Hemangioma
 Use Angioma
Hemangiopericytoma
Hematoma
 Use hemorrhage under names of organs and
 regions, such as Brain, hemorrhage
Hematopoiesis, extramedullary
Hematuria
Hemimegalencephaly
 Use Brain, diseases
Hemochromatosis
Hemodialysis
 Use Dialysis
Hemoglobin
Hemoglobinuria
Hemolytic-uremic syndrome
Hemophilia
Hemophilus influenzae
Hemoptysis
 Use Lung, hemorrhage
Hemorrhage
 Use also under names of organs, such as Brain,
 hemorrhage
Hemorrhage, CT
Hemorrhage, MR studies
Hemorrhage, radionuclide studies
Hemorrhoids
Hemothorax
 Use Thorax, hemorrhage
Heparin
Hepatic arteries
Hepatic arteries, abnormalities
Hepatic arteries, therapeutic blockade
Hepatic arteries, thrombosis
Hepatic veins
Hepatic veins, MR studies
Hepatic veins, stenosis or obstruction
Hepatic veins, thrombosis
Hepatic veins, transluminal angioplasty
Hepatic veins, US studies
Hepatitis
Hepatoblastoma
 Use Blastoma
Heredity
 Use Familial conditions
Hernia
 Use also Herniography; under names of
 organs and regions, such as Brain, hernia
Hernia, diaphragmatic
Hernia, duodenal
Hernia, hiatal
Hernia, inguinal
Hernia, scrotal
Hernia, ureteroscopic
Herniography
Herpes simplex
Herpes zoster
Hexabrix
 Use Ioxaglate
Hexamethylpropyleneamine oxime
Hibernoma
Hip
Hip, abnormalities
Hip, anatomy
Hip, arthritis
Hip, arthrography
Hip, CT
Hip, diseases
Hip, dislocation
Hip, fractures
Hip, infection
Hip, metallic fixation
Hip, MR studies
Hip, necrosis
Hip, prostheses
Hip, radiography
Hip, radionuclide studies
Hip, surgery
Hip, therapeutic radiology
Hip, US studies
Hirschsprung disease
 Use Colon, aganglionosis
Histiocytoma
Histiocytosis
Histoplasmosis

Hodgkin disease
 Use also Lymphoma
Hodgkin disease, complications
Hodgkin disease, diagnosis
Hodgkin disease, in infants and children
Hodgkin disease, staging
Hodgkin disease, therapeutic radiology
Hodgkin disease, therapy
Holoprosencephaly
Homosexuals
Hormone receptors
Hormones
Horner syndrome
How I Do It
 Use Radiology and radiologists, How I Do It
Humerus
Humerus, fractures
Hurler syndrome
Hyaline membrane disease
 Use Respiratory distress syndrome
Hydatid disease
 Use Echinococcosis
Hydatidiform mole
 Use Uterus, hydatidiform mole
Hydrocephalus
 Use Brain, hydrocephalus
Hydronephrosis
Hydrops
Hydrops fetalis
Hydrothorax
Hydroxyapatite
Hyperalimentation
Hyperostosis
Hyperostosis, infantile cortical
Hyperoxaluria
Hyperparathyroidism
 Use Parathyroid, hyperparathyroidism
Hypertension, portal
Hypertension, pulmonary
Hypertension, renal
Hypertension, systemic
Hyperthermia
Hyperthyroidism
 Use Thyroid, hyperthyroidism
Hypogammaglobulinemia
 Use Gamma globulins
Hypoparathyroidism
 Use Parathyroid, hypoparathyroidism
Hypopituitarism
 Use Pituitary, hypopituitarism
Hypotension
Hypothalamus
Hypoxia
Hysterectomy
Hysterosalpingography
 Use Uterus, radiography

I

Ileostomy
Ileum
Ileum, diseases
Ileum, diverticula
Ileum, neoplasms
Ilium
Ilium, abnormalities
Ilium, CT
Images, analysis
Images, artifact
Images, degradation
Images, display
Images, enhancement
Images, interpretation
Images, processing
Images, quality
Images, storage and retrieval
Images, transmission
Immunity
Immunoglobulins
 Use Gamma globulins
Impotence
Indium, radioactive
Indomethacin
Infants
 Use also Infants, newborn
Infants, cardiovascular system
Infants, central nervous system
Infants, endocrine glands
Infants, eye
Infants, gastrointestinal tract
Infants, genitourinary system
Infants, injuries

Infants, newborn
 Infants, newborn, cardiovascular system
 Infants, newborn, central nervous system
 Infants, newborn, endocrine glands
 Infants, newborn, eye
 Infants, newborn, gastrointestinal tract
 Infants, newborn, genitourinary system
 Infants, newborn, respiratory system
 Infants, newborn, skeletal system
 Infants, premature
 Use Infants, newborn
 Infants, respiratory system
 Infants, skeletal system
 Infertility
 Use Sterility
 Inflammation, MR studies
 Inflammation, radionuclide studies
 Informed consent
 Insulinoma
 Use Pancreas, neoplasms
 International Commission on Radiological Protection (ICRP)
 Interventional procedures
 Intervertebral disks
 Use Spine, intervertebral disks
 Intestinal neoplasms
 Intestinal neoplasms, CT
 Intestinal neoplasms, diagnosis
 Intestinal neoplasms, radionuclide studies
 Intestinal neoplasms, staging
 Intestinal neoplasms, therapeutic radiology
 Intestines
 Use also Appendix; Colon; Duodenum;
 Gastrointestinal tract; Intestinal neoplasms;
 Rectum
 Intestines, abnormalities
 Intestines, angiography
 Intestines, biopsy
 Intestines, CT
 Intestines, cysts
 Intestines, diseases
 Intestines, diverticula
 Intestines, effects of drugs on
 Intestines, effects of irradiation on
 Intestines, hemorrhage
 Intestines, hernia
 Intestines, infarction
 Intestines, infection
 Intestines, inflammation
 Intestines, intervention procedure
 Intestines, intubation
 Intestines, intussusception
 Use Intussusception
 Intestines, ischemia
 Intestines, malrotation
 Intestines, motility
 Intestines, MR studies
 Intestines, mucosa
 Intestines, neoplasms
 Use Intestinal neoplasms
 Intestines, obstruction
 Use Intestines, stenosis or obstruction
 Intestines, parasites
 Use Parasites
 Intestines, perforation
 Intestines, polyps
 Use Intestinal neoplasms
 Intestines, radiography
 Intestines, radionuclide studies
 Intestines, stenosis or obstruction
 Intestines, surgery
 Intestines, ulcer
 Use Peptic ulcer
 Intestines, US studies
 Intestines, varices
 Intestines, volvulus
 Intussusception
 Iodine and iodine compounds
 Iodine and iodine compounds, radioactive
 Iohexol
 Iopamidol
 Iopendylate
 Ioxaglate
 Iridium, radioactive
 Iron
 Islet-cell neoplasms
 Use Pancreas, neoplasms

J

Jaundice
 Jaws

Jaws, abnormalities
 Jaws, arthrography
 Jaws, CT
 Jaws, cysts
 Jaws, injuries
 Jaws, neoplasms
 Jaws, radiography
 Jejunum
 Jejunum, abnormalities
 Jejunum, diverticula
 Jejunum, hemorrhage
 Jejunum, surgery
 Joints
 Use also Arthritis; Arthrography; names of
 joints, such as Ankle; Knee; etc.
 Joints, abnormalities
 Joints, calcification
 Joints, CT
 Joints, diseases
 Joints, fluid
 Joints, glenohumeral
 Use Shoulder
 Joints, hemophilic
 Joints, inflammation
 Use Arthritis
 Joints, injuries
 Joints, metacarpophalangeal
 Joints, MR studies
 Joints, neoplasms
 Joints, prostheses
 Joints, radiography
 Joints, radionuclide studies
 Joints, sacroiliac
 Joints, sternoclavicular
 Joints, sternocostal
 Joints, sternomanubrial
 Joints, temporomandibular
 Joints, US studies
 Jugular bulb

K

Kaposi sarcoma
 Kawasaki disease
 Kidney
 Use also Genitourinary system;
 Hydronephrosis; Kidney neoplasms;
 Urography
 Kidney, abnormalities
 Kidney, abscess
 Kidney, agenesis
 Use Kidney, abnormalities
 Kidney, anatomy
 Kidney, angiography
 Use Renal angiography
 Kidney, biopsy
 Kidney, blood supply
 Kidney, calcification
 Kidney, calculi
 Kidney, CT
 Kidney, cysts
 Kidney, diseases
 Kidney, diverticula
 Kidney, dysplasia
 Kidney, edema
 Kidney, effects of drugs on
 Kidney, effects of irradiation on
 Kidney, failure
 Kidney, function
 Kidney, hematoma
 Use Kidney, hemorrhage
 Kidney, hemorrhage
 Kidney, infarction
 Kidney, infection
 Kidney, inflammation
 Use Nephritis
 Kidney, injuries
 Kidney, interventional procedure
 Kidney, MR studies
 Kidney, necrosis
 Kidney, neoplasms
 Use Kidney neoplasms
 Kidney, nephroscopy
 Kidney, parenchymal pattern
 Kidney, percutaneous drainage
 Use Kidney, interventional procedure
 Kidney, percutaneous nephrostomy
 Use Kidney, interventional procedure
 Kidney, radiography
 Kidney, radionuclide studies
 Kidney, size
 Kidney, stenosis or obstruction

Kidney, stone extraction
 Kidney, surgery
 Kidney, transplantation
 Kidney, US studies
 Kidney, varices
 Kidney, volume
 Use also Kidney, size
 Kidney neoplasms
 Kidney neoplasms, angiography
 Kidney neoplasms, calcification
 Kidney neoplasms, CT
 Kidney neoplasms, diagnosis
 Kidney neoplasms, hemorrhage
 Kidney neoplasms, metastases
 Kidney neoplasms, MR studies
 Kidney neoplasms, radionuclide studies
 Kidney neoplasms, secondary
 Kidney neoplasms, staging
 Kidney neoplasms, therapeutic radiology
 Kidney neoplasms, therapy
 Kidney neoplasms, US studies
 Klippel-Feil syndrome
 Use Spine, abnormalities
 Knee
 Knee, abnormalities
 Knee, anatomy
 Knee, arthritis
 Knee, arthrography
 Knee, CT
 Knee, cysts
 Knee, fractures
 Knee, injuries
 Knee, MR studies
 Knee, neoplasms
 Knee, prostheses
 Knee, radiography
 Knee, radionuclide studies
 Knee, surgery
 Knee, US studies
 Krypton, radioactive
 Kyphosis
 Use Spine, curvature

L

Lacrimal gland and duct
 Lacrimal gland and duct, CT
 Lacrimal gland and duct, radiography
 Lactobezoar
 Laparotomy
 Use Abdomen, surgery
 Laryngectomy
 Use Larynx, surgery
 Laryngocele
 Larynx
 Larynx, abnormalities
 Larynx, abscess
 Larynx, anatomy
 Larynx, CT
 Larynx, diseases
 Larynx, injuries
 Larynx, MR studies
 Larynx, neoplasms
 Larynx, obstruction
 Use Larynx, stenosis or obstruction
 Larynx, prostheses
 Larynx, stenosis or obstruction
 Larynx, surgery
 Larynx, therapeutic radiology
 Larynx, US studies
 Lasers
 Lead
 Legg-Calve-Perthes disease
 Use Bones, necrosis
 Legionnaires' disease
 Leiomyoma
 Use Myoma
 Leiomyosarcoma
 Use Myoma
 Leprosy
 Leprosy, lepromatous
 Leprosy, tuberculoid
 Letters to the Editor
 Leukemia
 Leukemia, complications
 Leukemia, in infants and children
 Leukemia, lymphocytic
 Leukemia, myelogenous
 Leukemia, therapeutic radiology
 Leukemia, therapy
 Leukocytes
 Leukoencephalopathy
 Use Brain, diseases

Leukomalacia
 Ligaments, cruciate
 Ligaments, CT
 Ligaments, hepatoduodenal
 Use Ligaments, peritoneal
 Ligaments, injuries
 Ligaments, MR studies
 Ligaments, peritoneal
 Ligaments, pulmonary
 Ligaments, spinal
 Ligaments, US studies
 Linear accelerators
 Lipiodol
 Use Contrast media, fatty acid
 Lipoblastoma
 Lipodystrophy
 Lipogranulomatosis
 Lipoma and lipomatosis
 Lipoproteins
 Liposarcoma
 Liposomes
 Lissencephaly
 Use Brain, abnormalities
 Lithium
 Lithotripsy
 Lithotripsy, complications
 Liver
 Liver, abnormalities
 Liver, abscess
 Liver, amyloidosis
 Use Amyloidosis
 Liver, anatomy
 Liver, angiography
 Liver, biopsy
 Liver, blood supply
 Liver, calcification
 Liver, calculi
 Liver, cirrhosis
 Liver, CT
 Liver, cysts
 Liver, diseases
 Liver, echinococcosis
 Liver, effects of drugs on
 Liver, fatty
 Liver, fibrosis
 Liver, focal nodular hyperplasia
 Liver, function
 Liver, gas
 Liver, hemorrhage
 Liver, hernia
 Liver, hypotrophy
 Liver, infarction
 Liver, infection
 Liver, inflammation
 Use Hepatitis
 Liver, injuries
 Liver, interventional procedure
 Liver, iron content
 Liver, MR studies
 Liver, necrosis
 Liver, neoplasms
 Use Liver neoplasms
 Liver, percutaneous drainage
 Use Liver, interventional procedure
 Liver, radionuclide studies
 Liver, rupture
 Liver, size
 Liver, surgery
 Liver, transplantation
 Liver, US studies
 Liver neoplasms
 Liver neoplasms, angiography
 Liver neoplasms, blood supply
 Liver neoplasms, calcification
 Liver neoplasms, CT
 Liver neoplasms, diagnosis
 Liver neoplasms, metastases
 Liver neoplasms, MR studies
 Liver neoplasms, radionuclide studies
 Liver neoplasms, secondary
 Liver neoplasms, therapeutic radiology
 Liver neoplasms, therapy
 Liver neoplasms, US studies
 Lung
 Use also Bronchi; Lung neoplasms; Pleura;
 Respiratory distress syndrome
 Lung, abnormalities
 Lung, abscess
 Lung, aeration
 Use Lung, ventilation
 Lung, anatomy
 Lung, angiography
 Use Pulmonary angiography
 Lung, aspiration
 Lung, atelectasis
 Use Lung, collapse

Lung, biopsy
 Lung, calcification
 Lung, cavitation
 Lung, chronic obstructive lung disease
 Lung, collapse
 Lung, consolidation
 Lung, CT
 Lung, cysts
 Lung, density
 Lung, diseases
 Lung, edema
 Use Lung, fluid
 Lung, effects of drugs on
 Lung, effects of irradiation on
 Lung, fibrosis
 Lung, fluid
 Lung, function
 Lung, granuloma
 Lung, hemoptysis
 Use Lung, hemorrhage
 Lung, hemorrhage
 Lung, hypoplasia
 Lung, infarction
 Lung, infection
 Lung, injuries
 Lung, lavage
 Lung, MR studies
 Lung, mycosis
 Lung, neoplasms
 Use Lung neoplasms
 Lung, nodule
 Lung, perfusion
 Lung, postoperative
 Lung, radiography
 Lung, radionuclide studies
 Lung, sequestration
 Use Lung, abnormalities
 Lung, surgery
 Lung, thrombosis
 Lung, tomography
 Lung, torsion
 Lung, transplantation
 Lung, US studies
 Lung, ventilation
 Lung, volume
 Use Lung, ventilation
 Lung neoplasms
 Lung neoplasms, CT
 Lung neoplasms, diagnosis
 Lung neoplasms, metastases
 Lung neoplasms, MR studies
 Lung neoplasms, radionuclide studies
 Lung neoplasms, secondary
 Lung neoplasms, staging
 Lung neoplasms, surgery
 Lung neoplasms, therapeutic radiology
 Lung neoplasms, therapy
 Lung neoplasms, US studies
 Lupus erythematosus
 Lymphangiography
 Use Lymphography
 Lymphangioma
 Lymphangiomatosis
 Lymphatic system
 Lymphatic system, abnormalities
 Lymphatic system, angiography
 Lymphatic system, biopsy
 Lymphatic system, calcification
 Lymphatic system, CT
 Lymphatic system, cysts
 Lymphatic system, diseases
 Lymphatic system, flow dynamics
 Lymphatic system, hyperplasia
 Lymphatic system, interventional procedure
 Lymphatic system, MR studies
 Lymphatic system, neoplasms
 Lymphatic system, radionuclide studies
 Lymphatic system, therapeutic radiology
 Lymphatic system, US studies
 Lymphedema
 Lymph nodes
 Use Lymphatic system
 Lymphocele
 Lymphocytes
 Lymphography
 Lymphography, technology
 Lymphoma
 Use also Hodgkin disease
 Lymphoma, complications
 Lymphoma, CT
 Lymphoma, diagnosis
 Lymphoma, in infants and children
 Lymphoma, metastases
 Lymphoma, MR studies
 Lymphoma, radionuclide studies
 Lymphoma, staging

Lymphoma, therapeutic radiology
 Lymphoma, therapy
 Lymphoma, US studies
 Lymphoscintigraphy
 Use Lymphatic system, radionuclide studies

M

Magnetic resonance (MR)
 Use also under names of organs and regions,
 such as Brain, MR studies
 Magnetic resonance (MR), artifact
 Magnetic resonance (MR), biological effects
 Magnetic resonance (MR), chemical shift
 Magnetic resonance (MR), cine study
 Magnetic resonance (MR), comparative studies
 Magnetic resonance (MR), contrast
 enhancement
 Magnetic resonance (MR), contrast media
 Magnetic resonance (MR), experimental
 Magnetic resonance (MR), image display
 Magnetic resonance (MR), image processing
 Magnetic resonance (MR), in infants and
 children
 Magnetic resonance (MR), phosphorus studies
 Magnetic resonance (MR), physics
 Magnetic resonance (MR), potassium studies
 Magnetic resonance (MR), pulse sequences
 Magnetic resonance (MR), quality assurance
 Magnetic resonance (MR), sodium studies
 Magnetic resonance (MR), spectrometry
 Magnetic resonance (MR), surface coils
 Magnetic resonance (MR), technology
 Magnetic resonance (MR), tissue
 characterization
 Magnetic resonance (MR), treatment planning
 Magnetic resonance (MR), utilization
 Magnetic resonance (MR) guidance
 Magnification
 Malabsorption
 Malacoplakia
 Mammography
 Use Breast radiography
 Mandible
 Use Jaws
 Manganese
 Marfan syndrome
 Masticator space
 Mastocytosis
 Mastoid, CT
 Mastoid, cysts
 Mastoid, inflammation
 Use Mastoiditis
 Mastoiditis
 Maxilla
 Use Jaws
 Measles
 Meckel diverticulum
 Use Intestines, diverticula
 Meconium
 Mediastinitis
 Mediastinum
 Mediastinum, abnormalities
 Mediastinum, abscess
 Mediastinum, anatomy
 Mediastinum, biopsy
 Mediastinum, CT
 Mediastinum, cysts
 Mediastinum, fibrosis
 Mediastinum, hemorrhage
 Mediastinum, inflammation
 Use Mediastinitis
 Mediastinum, injuries
 Mediastinum, interventional procedure
 Mediastinum, MR studies
 Mediastinum, neoplasms
 Mediastinum, radiography
 Mediastinum, US studies
 Medico-legal problems
 Medulla oblongata
 Use Brain stem
 Medulloblastoma
 Megacolon
 Use Colon, enlarged
 Megacystis-microcolon-intestinal
 hypoperistalsis syndrome (MMIH)
 Melanoma
 Memory
 Meninges
 Use also Arachnoid
 Meninges, CT
 Meninges, diseases

Meninges, inflammation
 Use Meningitis
Meninges, MR studies
Meninges, neoplasms
Meningioma
 Use Meninges, neoplasms
Meningitis
Meningocele
 Use Spina bifida
Menopause
Menstruation
Mental deficiency
Mercury
Mesenteritis
Mesentery, angiography
Mesentery, CT
Mesentery, cysts
Mesentery, ischemia
Mesentery, MR studies
Mesentery, neoplasms
Mesentery, US studies
Mesentery, varices
Mesons
Mesothelioma
Metabolism
Metaphyses
 Use Bones, metaphyses
Methotrexate
Metoclopramide
Metrizamide
Metrizamide, complications
Metrizoate
Metronidazole
Microbubbles
Microspheres
Microwaves
Misonidazole
Mitomycin C
Mitral valve, CT
Mitral valve, prolapse
Mitral valve, prostheses
Mitral valve, regurgitation
Mitral valve, stenosis
Mitral valve, surgery
Mitral valve, US studies
Model, anatomical
Mongolism
 Use Down syndrome
Monoclonal antibodies
Mononucleosis, infectious
Monooctanoin
Morphine
Morquio syndrome
 Use Bones, primary metabolic abnormalities
Mouth, CT
Mouth, cysts
Mouth, MR studies
Mouth, neoplasms
Mouth, radiography
Mouth, therapeutic radiology
Mouth, US studies
Mucormycosis
Multiple sclerosis
 Use Sclerosis, multiple
Muscles
 Use also Soft tissues
Muscles, abnormalities
Muscles, abscess
Muscles, CT
Muscles, diseases
Muscles, hemorrhage
Muscles, hypertrophy
Muscles, iliopsoas
Muscles, inflammation
 Use Myositis
Muscles, injuries
Muscles, masseter
Muscles, MR studies
Muscles, necrosis
Muscles, neoplasms
Muscles, paraspinous
Muscles, psoas
Muscles, radionuclide studies
Muscles, US studies
Myasthenia gravis
Mycobacteria
Mycosis fungoides
Myelography
 Use also Meninges; Spinal cord; Spine
Myelography, complications
Myelography, contrast media
Myelography, in infants and children
Myelography, technology
Myelolipoma
Myeloma

Myoblastoma
Myocarditis
Myocardium
 Use also Heart
Myocardium, abnormalities
Myocardium, blood supply
Myocardium, calcification
Myocardium, CT
Myocardium, infarction
Myocardium, inflammation
 Use Myocarditis
Myocardium, injuries
Myocardium, ischemia
Myocardium, MR studies
Myocardium, neoplasms
Myocardium, radionuclide studies
Myocardium, US studies
Myoma
Myopathy
 Use Muscles, diseases
Myosarcoma
Myositis
Myositis ossificans
Myxoma

N

Nasofrontal duct
Nasopharynx
Nasopharynx, abnormalities
Nasopharynx, anatomy
Nasopharynx, CT
Nasopharynx, MR studies
Nasopharynx, neoplasms
Nasopharynx, stenosis
Nasopharynx, therapeutic radiology
Neck
Neck, angiography
Neck, CT
Neck, cysts
Neck, injuries
Neck, MR studies
Neck, neoplasms
Neck, radiography
Neck, therapeutic radiology
Neck, US studies
Neoplasms
 Use also Radiations, injurious effects, neoplastic; Radiobiology; Therapeutic radiology; under names of organs and regions; under names of individual neoplasms
Neoplasms, blood supply
Neoplasms, CT
Neoplasms, diagnosis
Neoplasms, embolization
 Use Arteries, therapeutic blockade
Neoplasms, experimental
Neoplasms, in infants and children
Neoplasms, metastases
Neoplasms, MR studies
Neoplasms, radionuclide studies
Neoplasms, rupture
Neoplasms, staging
Neoplasms, therapeutic radiology
Neoplasms, therapy
Neoplasms, US studies
Nephritis
Nephrocalcinosis
 Use Kidney, calcification
Nephrolithiasis
 Use Kidney, calculi
Nephroma
 Use Kidney neoplasms
Nephrostomy
 Use Kidney, interventional procedure
Nerves, abnormalities
Nerves, acoustic
Nerves, cranial
Nerves, CT
Nerves, diseases
Nerves, facial
Nerves, hypoglossal
Nerves, laryngeal
Nerves, lumbar
Nerves, MR studies
Nerves, olfactory
Nerves, optic
Nerves, peripheral
Nerves, phrenic
Nerves, roots
Nerves, sacral

Nerves, sciatic
Nerves, spinal
Nerves, trigeminal
Nerves, vagus
Nervous system
Nervous system, abnormalities
Nervous system, CT
Nervous system, diseases
Nervous system, dysfunction
Nervous system, effects of drugs on
Nervous system, injuries
Nervous system, MR studies
Nervous system, neoplasms
Nervous system, radionuclide studies
Nervous system, therapeutic radiology
Nervous system, US studies
Neuralgia
Neurilemmoma
 Use Neuroma
Neurinoma
 Use Neuroma
Neuritis
Neuroblastoma
Neurocysticercosis
 Use Cysticercosis
Neurofibroma
 Use Neuroma
Neurofibromatosis
Neuroma
Neuroradiology
 Use Brain, CT; Cerebral angiography; Cerebral blood vessels; Nerves; Nervous system; Spinal cord, etc.
Neutrons
Nitroxides
Nocardiosis
Non-Hodgkin lymphoma
 Use Lymphoma
Normal variant
Nose
Nose, abnormalities
Nose, CT
Nose, diseases
Nose, fungus
Nose, hemorrhage
Nose, MR studies
Nose, neoplasms
Nose, therapeutic radiology
Nuclear medicine
 Use Radionuclide imaging; Radionuclides; under names of diseases, organs, and regions
Nuclides
 Use Radionuclides
Nutrition
Nutritional disorders

O

Obesity
Obituaries
Obstetrics, US studies
 Use Fetus, US studies; Placenta, US studies; Pregnancy, US studies
Oleic acid
Ollier disease
 Use Enchondroma
Omentum
Omentum, cysts
Omentum, neoplasms
Omphalocele
 Use Umbilical cord
Oncocytoma
Oncology
 Use Neoplasms
Opinions
 Use also Editorials
Optic chiasm
 Use Nerves, optic
Orbit
Orbit, abnormalities
Orbit, angiography
Orbit, CT
Orbit, cysts
Orbit, diseases
Orbit, fractures
Orbit, hemorrhage
Orbit, inflammation
Orbit, injuries
Orbit, MR studies
Orbit, neoplasms
Orbit, therapeutic radiology

- Orbit, US studies
- Orbit, varices
- Orchitis
- Osteitis deformans
- Osteoarthritis
- Osteoarthritis, diabetic
- Osteoarthritis, hypertrophic
- Osteoblastoma
- Osteochondritis dissecans
- Osteochondrodysplasias
 - Use Bones, osteochondrodysplasias
- Osteochondroma
- Osteodystrophy
 - Use Bones, primary metabolic abnormalities
- Osteogenesis imperfecta
 - Use Bones, osteochondrodysplasias
- Osteolysis
- Osteoma
- Osteomalacia
- Osteomyelitis
 - Use Bones, infection
- Osteonecrosis
 - Use Bones, necrosis
- Osteopetrosis
 - Use Bones, osteochondrodysplasias
- Osteoporosis
- Osteosarcoma
- Osteosclerosis
 - Use Bones, sclerosis
- Otitis media
 - Use Ear, inflammation and infection
- Ovary
- Ovary, abnormalities
- Ovary, abscess
- Ovary, CT
- Ovary, cysts
- Ovary, MR studies
- Ovary, neoplasms
- Ovary, radionuclide studies
- Ovary, therapeutic radiology
- Ovary, US studies
- Ovary, varices
- Oxalosis
- Oxygen

P

- Pacemakers
 - Use Heart, pacemakers
- Pachydermoperiostosis
- PACS
 - Use Images, storage and retrieval
- Paget disease
 - Use Osteitis deformans
- Palate
- Palate, cleft
- Panbronchiolitis
 - Use Bronchiolitis
- Pancreas, abnormalities
- Pancreas, abscess
- Pancreas, anatomy
- Pancreas, angiography
- Pancreas, biopsy
- Pancreas, calcification
- Pancreas, CT
- Pancreas, cysts
- Pancreas, diseases
- Pancreas, ectopic
- Pancreas, fibrosis
- Pancreas, hemorrhage
- Pancreas, inflammation
 - Use Pancreatitis
- Pancreas, injuries
- Pancreas, insufficiency
- Pancreas, interventional procedure
- Pancreas, MR studies
- Pancreas, necrosis
- Pancreas, neoplasms
- Pancreas, percutaneous drainage
 - Use Pancreas, interventional procedure
- Pancreas, radiography
- Pancreas, radionuclide studies
- Pancreas, surgery
- Pancreas, therapeutic radiology
- Pancreas, transplantation
- Pancreas, US studies
- Pancreatic ducts
- Pancreatitis
- Pancreatography
 - Use Pancreas, radiography
- Papilledema
- Papilloma

- Paraganglioma
- Paralysis
 - Paranasal sinuses
 - Paranasal sinuses, abnormalities
 - Paranasal sinuses, anatomy
 - Paranasal sinuses, CT
 - Paranasal sinuses, diseases
 - Paranasal sinuses, fungus
 - Paranasal sinuses, inflammation
 - Use Sinusitis
 - Paranasal sinuses, injuries
 - Paranasal sinuses, MR studies
 - Paranasal sinuses, neoplasms
 - Paranasal sinuses, radiography
 - Paranasal sinuses, radionuclide studies
 - Paranasal sinuses, surgery
 - Paranasal sinuses, therapeutic radiology
 - Paranasal sinuses, US studies
 - Parapharyngeal space
 - Use Pharynx
- Paraplegia
 - Use Paralysis
- Parasites
- Parathyroid, abnormalities
- Parathyroid, angiography
- Parathyroid, biopsy
- Parathyroid, CT
- Parathyroid, cysts
- Parathyroid, hyperparathyroidism
- Parathyroid, hypoparathyroidism
- Parathyroid, MR studies
- Parathyroid, neoplasms
- Parathyroid, radionuclide studies
- Parathyroid, US studies
- Paresis
 - Use Paralysis
- Parkinson disease
- Parotid gland
- Parotid gland, CT
- Parotid gland, cysts
- Parotid gland, diseases
- Parotid gland, hypertrophy
- Parotid gland, MR studies
- Parotid gland, neoplasms
- Parotid gland, radionuclide studies
- Parotid gland, US studies
- Pectus excavatum
 - Use Thorax, abnormalities
- Pediatric radiology
 - Use Radiography, in infants and children
- Pelvimetry
 - Use Pelvis, measurement
- Pelvis
 - Use also names of pelvic bones and organs
 - Pelvis, abnormalities
 - Pelvis, abscess
 - Pelvis, anatomy
 - Pelvis, CT
 - Pelvis, cysts
 - Pelvis, diseases
 - Pelvis, fibrosis
 - Pelvis, fractures
 - Pelvis, hemorrhage
 - Pelvis, injuries
 - Pelvis, measurement
 - Pelvis, MR studies
 - Pelvis, neoplasms
 - Pelvis, radiography
 - Pelvis, radionuclide studies
 - Pelvis, therapeutic radiology
 - Pelvis, US studies
 - Pelvis, varices
- Penis
- Penis, angiography
- Penis, cavernosography
- Penis, diseases
- Penis, MR studies
- Penis, neoplasms
- Penis, US studies
- Peptic ulcer
- Peptic ulcer, complications
- Peptic ulcer, diagnosis
- Peptic ulcer, radionuclide studies
- Peptic ulcer, US studies
- Perfluorocetyl bromide
- Pericarditis
- Pericardium
- Pericardium, abnormalities
- Pericardium, calcification
- Pericardium, CT
- Pericardium, cysts
- Pericardium, effusion
 - Use Pericardium, fluid
- Pericardium, fluid
- Pericardium, hemorrhage

- Pericardium, inflammation
 - Use Pericarditis
- Pericardium, MR studies
- Pericardium, neoplasms
- Pericardium, radionuclide studies
- Pericardium, stenosis
- Pericardium, surgery
- Pericardium, US studies
- Perineum, US studies
- Periosteum
- Periosteum, hemorrhage
- Periosteum, inflammation
 - Use Periostitis
- Periostitis
- Peritoneum
- Peritoneum, calcification
- Peritoneum, CT
- Peritoneum, hemorrhage
- Peritoneum, inflammation
 - Use Peritonitis
- Peritoneum, neoplasms
- Peritoneum, radionuclide studies
- Peritoneum, US studies
- Peritonitis
- Perthes-Calve-Legg disease
 - Use Osteochondritis, deformans juvenilis
- Petrous bone
 - Use Temporal bone
- Phagocytes and phagocytosis
- Phantoms
 - Use also Test objects
- Pharmacangiography
- Pharynx
- Pharynx, abnormalities
- Pharynx, anatomy
- Pharynx, CT
- Pharynx, MR studies
- Pharynx, neoplasms
- Pharynx, radiography
- Pharynx, stenosis
- Pharynx, therapeutic radiology
- Pharynx, ulcers
- Pheochromocytoma
- Phlebography
 - Use Venography
- Phosphate
- Phosphorus, radioactive
 - Use Radionuclides, therapeutic
- Photons
- Photodiagnosis
- Physics
- Pineal body, CT
- Pineal body, cysts
- Pineal body, MR studies
- Pineal body, neoplasms
- Pituitary
- Pituitary, anatomy
- Pituitary, CT
- Pituitary, diseases
- Pituitary, hypopituitarism
- Pituitary, MR studies
- Pituitary, neoplasms
- Pituitary, radionuclide studies
- Placenta
- Placenta, abnormalities
- Placenta, hemorrhage
- Placenta, localization
- Placenta, neoplasms
- Placenta, US studies
 - Use also Fetus, US studies; Pregnancy, US studies
- Plasmacytoma
- Platelets
 - Use Blood, platelets
- Plethysmography
- Pleura
- Pleura, air in
 - Use Pneumothorax
- Pleura, CT
- Pleura, diseases
- Pleura, fluid
- Pleura, infection
- Pleura, interventional procedure
- Pleura, MR studies
- Pleura, neoplasms
- Pleura, radiography
- Pleura, US studies
- Pleuritis
- Pneumatosis intestinalis
 - Use Intestines, cysts
- Pneumocephalus
- Pneumoconiosis
- Pneumomediastinum
- Pneumonecrosis
 - Use Lung, surgery

Pneumonia
 Use Lung, infection
Pneumonitis
Pneumopericardium
Pneumoperitoneum
Pneumoretroperitoneum
Pneumorrhachis
Pneumothorax
POEMS syndrome
Poisons and poisoning
Polyarteritis nodosa
 Use Arteritis
Polychondritis
Polycythemia
Polyhydramnios
 Use Amniotic fluid
Polyps
 Use Colon, neoplasms; Stomach, neoplasms, etc.
Polyvinyl compounds
Popliteal cysts
 Use Knee, cysts
Porencephaly
 Use Brain, cysts
Porphyria
Portal hypertension
 Use Hypertension, portal
Portal vein
Portal vein, abnormalities
Portal vein, anatomy
Portal vein, calcification
Portal vein, CT
Portal vein, flow dynamics
Portal vein, gas
Portal vein, MR studies
Portal vein, neoplasms
Portal vein, radiography
Portal vein, radionuclide studies
Portal vein, stenosis or obstruction
Portal vein, thrombosis
Portal vein, US studies
Portography
Portography, technology
Positron imaging
 Use Emission CT
Posterior fossa
Posterior fossa, abnormalities
Posterior fossa, CT
Posterior fossa, cysts
Posterior fossa, hemorrhage
Posterior fossa, neoplasms
Posterior fossa, US studies
Potassium
 Use Magnetic resonance (MR), potassium studies
Pregnancy
 Use also Fetus; Placenta
Pregnancy, abnormalities
Pregnancy, complications
Pregnancy, ectopic
Pregnancy, irradiation in
Pregnancy, MR studies
Pregnancy, US studies
 Use also Fetus, US studies
Prolactin
 Use Hormones
Prostaglandin
Prostate, abscess
Prostate, anatomy
Prostate, biopsy
Prostate, CT
Prostate, cysts
Prostate, diseases
Prostate, hyperplasia
Prostate, hypertrophy
Prostate, MR studies
Prostate, neoplasms
Prostate, radionuclide studies
Prostate, surgery
Prostate, therapeutic radiology
Prostate, US studies
Prostatitis
Prostheses
Proteinosis
Proteins
Prune belly syndrome
 Use Abdomen, abnormalities
Pseudoarthrosis
Pseudomyxoma peritonei
Pseudotumor cerebri
Pubic bones
Pulmonary angiography
Pulmonary angiography, complications
Pulmonary angiography, technology
Pulmonary arteries
Pulmonary arteries, abnormalities

Pulmonary arteries, anatomy
Pulmonary arteries, CT
Pulmonary arteries, flow dynamics
Pulmonary arteries, MR studies
Pulmonary arteries, obstruction
 Use Pulmonary arteries, stenosis or obstruction
Pulmonary arteries, radionuclide studies
Pulmonary arteries, stenosis or obstruction
Pulmonary arteries, surgery
Pulmonary arteries, thrombosis
Pulmonary arteries, transluminal angioplasty
Pulmonary arteries, US studies
Pulmonary hypertension
 Use Hypertension, pulmonary
Pulmonary valve, interventional procedure
Pulmonary veins
Pulmonary veins, abnormalities
Pulmonary veins, CT
Pulmonary veins, MR studies
Pulmonary veins, obstruction
 Use Pulmonary veins, stenosis or obstruction
Pulmonary veins, stenosis or obstruction
Pulmonary veins, thrombosis
Purpura
Pyelography
 Use Urography
Pyelonephritis
 Use Nephritis
Pylorus
Pylorus, stenosis
Pylorus, US studies
Pyonephrosis
 Use Kidney, abscess

Q

Quality assurance

R

Radiations

Use also Dosimetry; Neutrons; Radiobiology;
 Radiography; Radionuclide imaging;
 Radionuclides; Therapeutic radiology
Radiations, effects
 Use Radiations, injurious effects
Radiations, exposure to patients and personnel
Radiations, injurious effects
Radiations, injurious effects, as a result of nuclear bombing
Radiations, injurious effects, complications of therapeutic radiology
Radiations, injurious effects, gastrointestinal
Radiations, injurious effects, genetic, gonadal
Radiations, injurious effects, neoplastic
Radiations, injurious effects, pleuropulmonary
Radiations, measurement
Radiations, protective and therapeutic agents and devices
Radioaerosols
 Use Aerosols
Radiobiology
 Use also Neoplasms, experimental
Radiobiology, blood and hematopoietic studies
Radiobiology, cell and tissue studies
Radiobiology, cutaneous studies
Radiobiology, genitourinary system studies
Radiobiology, lethality studies
Radiobiology, neoplastic studies
 Use Neoplasms, experimental
Radiobiology, time-dose studies
Radiographs
 Use Images
Radiography
 Use also Radiations; under procedures, such as Angiography; Fluoroscopy; Myelography, etc.
Radiography, absurdities
Radiography, comparative studies
Radiography, computer-assisted
Radiography, digital
Radiography, in art
Radiography, in infants and children
Radiography, poetry
Radiography, portable
Radiography, stereoscopic
Radiography, technology
 Use also Screens and films

Radiological Society of North America
Radiological Society of North America, 72nd scientific assembly and annual meeting
Radiological Society of North America, 73rd scientific assembly and annual meeting
Radiological Society of North America, 71st scientific assembly and annual meeting
Radiological Society of North America, 74th scientific assembly and annual meeting
Radiology and radiologists
Radiology and radiologists, departmental management
Radiology and radiologists, design of radiological facilities
Radiology and radiologists, history
Radiology and radiologists, How I Do It
Radiology and radiologists, iatrogenic injury
Radiology and radiologists, observer performance
 Use Diagnostic radiology, observer performance
Radiology and radiologists, research
Radiology (journal)
Radiology reporting systems
Radionuclide imaging
 Use also under names of organs, such as Lung, radionuclide studies
Radionuclide imaging, artifact
Radionuclide imaging, comparative studies
Radionuclide imaging, complications
Radionuclide imaging, computer-assisted
Radionuclide imaging, contrast enhancement
Radionuclide imaging, dosimetry
Radionuclide imaging, experimental
Radionuclide imaging, in diagnosis of neoplasms
Radionuclide imaging, in infants and children
Radionuclide imaging, intraoperative
Radionuclide imaging, physics
Radionuclide imaging, quality assurance
Radionuclide imaging, radiation dose
Radionuclide imaging, technology
Radionuclides
 Use also Radionuclide imaging; Therapeutic radiology
Radionuclides, comparative studies
Radionuclides, complications
Radionuclides, therapeutic
Radiopharmaceuticals
 Use Radionuclides
Radiosensitivity
Radium
Radon
Rare earths
 Use Radiography, technology
Receiver operating characteristic curve (ROC)
Rectum
Rectum, abnormalities
Rectum, abscess
Rectum, CT
Rectum, cysts
Rectum, MR studies
Rectum, neoplasms
Rectum, radiography
Rectum, radionuclide studies
Rectum, surgery
Rectum, therapeutic radiology
Rectum, ulcers
Rectum, US studies
Red blood cells
Red blood cells, radionuclide studies
Renal angiography
 Use also Kidney; Renal arteries; Renal veins
Renal arteries
 Use also Kidney; Renal angiography
Renal arteries, abnormalities
Renal arteries, embolism
 Use Embolism, renal
Renal arteries, fibrodysplasia
Renal arteries, injuries
Renal arteries, interventional procedure
 Use Renal arteries, transluminal angioplasty
Renal arteries, occlusion
 Use Renal arteries, stenosis or obstruction
Renal arteries, rupture
Renal arteries, stenosis or obstruction
Renal arteries, therapeutic blockade
Renal arteries, thrombosis
Renal arteries, transluminal angioplasty
Renal arteries, US studies
Renal veins
 Use also Kidney; Renal angiography
Renal veins, abnormalities
Renal veins, neoplasms
Renal veins, stenosis or obstruction

Renal veins, thrombosis
 Renal veins, US studies
 Respiratory distress syndrome
 Respiratory distress syndrome, adult
 Retina
 Retina, blood supply
 Retina, CT
 Retina, hemorrhage
 Retina, MR studies
 Retina, neoplasms
 Retinoblastoma
 Use Retina, neoplasms
 Retroperitoneal space
 Use also Abdomen
 Retroperitoneal space, abscess
 Retroperitoneal space, air
 Retroperitoneal space, anatomy
 Retroperitoneal space, CT
 Retroperitoneal space, fat
 Retroperitoneal space, fibrosis
 Retroperitoneal space, fluid
 Retroperitoneal space, hemorrhage
 Retroperitoneal space, MR studies
 Retroperitoneal space, neoplasms
 Retroperitoneal space, perforation
 Retroperitoneal space, US studies
 Rhabdomyolysis
 Use Muscles
 Rhabdomyosarcoma
 Use Myosarcoma
 Ribs
 Ribs, abnormalities
 Ribs, CT
 Ribs, fractures
 Ribs, neoplasms
 Ribs, radionuclide studies
 Rickets
 Roentgenograms
 Use Images
 Rubella
 Ruthenium, radioactive

S

Sacrum
 Sacrum, CT
 Sacrum, fractures
 Sacrum, neoplasms
 Sacrum, radionuclide studies
 Salivary glands
 Use also Parotid gland
 Salivary glands, abnormalities
 Salivary glands, CT
 Salivary glands, MR studies
 Salivary glands, neoplasms
 Salivary glands, radiography
 Salivary glands, radionuclide studies
 Salivary glands, therapeutic radiology
 Salivary glands, US studies
 Sarcoidosis
 Sarcoma
 Use also Ewing sarcoma; Kaposi sarcoma
 Scapula
 Schistosomiasis
 Schwannoma
 Sciatica
 Scleroderma
 Sclerosing cholangitis
 Use Cholangitis
 Sclerosis
 Sclerosis, multiple
 Sclerosis, tuberosus
 Scoliosis
 Use Spine, curvature
 Screening, cancer
 Use Cancer screening
 Screens and films
 Scrotum
 Scrotum, abnormalities
 Scrotum, diseases
 Scrotum, MR studies
 Scrotum, neoplasms
 Scrotum, radionuclide studies
 Scrotum, US studies
 Seizures
 Sella turcica, CT
 Sella turcica, empty
 Sella turcica, fractures
 Sella turcica, MR studies
 Sella turcica, neoplasms
 Seminal vesicle
 Seminal vesicle, MR studies

Seminal vesicle, neoplasms
 Seminal vesicle, US studies
 Seminoma
 Septum pellucidum
 Sex
 Shock
 Use Trauma
 Shoulder
 Shoulder, abnormalities
 Shoulder, anatomy
 Shoulder, angiography
 Shoulder, arthritis
 Shoulder, arthrography
 Shoulder, CT
 Shoulder, dislocation
 Shoulder, injuries
 Shoulder, MR studies
 Shoulder, prostheses
 Shoulder, radiography
 Shoulder, US studies
 Shunts, arterioportal
 Shunts, arteriovenous
 Shunts, arteriovenous, pulmonary
 Shunts, cardiac
 Shunts, ilioportal
 Shunts, mesoatrial
 Shunts, mesocaval
 Shunts, portovenous
 Shunts, portocaval
 Shunts, portohepatic
 Shunts, portosystemic
 Shunts, splenorenal
 Shunts, ventricular
 Shunts, ventriculoatrial
 Shunts, ventriculoperitoneal
 Sialography
 Use Salivary glands, radiography
 Sickle cell disease (SS, SC)
 Silicone
 Single-photon emission tomography
 Use Emission CT
 Sinuses, cavernous
 Use Cavernous sinus
 Sinuses, dural
 Sinuses, frontal
 Use Paranasal sinuses
 Sinuses, lateral
 Sinuses, maxillary
 Use Paranasal sinuses
 Sinuses, paranasal
 Use Paranasal sinuses
 Sinuses, sphenoid
 Use Paranasal sinuses
 Sinuses, superior sagittal
 Sinusitis
 Sjogren syndrome
 Use Eye, diseases
 Skeleton
 Use Bones
 Skin, abnormalities
 Skin, diseases
 Skin, effects of irradiation on
 Skin, inflammation
 Use Dermatitis
 Skin, MR studies
 Skin, neoplasms
 Skin, radionuclide studies
 Skin, therapeutic radiology
 Skin, US studies
 Skull
 Use also Head
 Skull, abnormalities
 Skull, anatomy
 Skull, CT
 Use Head, CT
 Skull, cysts
 Skull, diseases
 Skull, fractures
 Skull, growth and development
 Skull, injuries
 Skull, MR studies
 Skull, neoplasms
 Skull, radiography
 Skull, radionuclide studies
 Skull, surgery
 Skull, US studies
 Slides
 Small intestine
 Use Intestines
 Sodium
 Use Magnetic resonance (MR), sodium studies
 Soft tissues
 Use also names of soft tissues, such as Breast
 Soft tissues, calcification
 Soft tissues, CT
 Soft tissues, foreign bodies

Soft tissues, infection
 Soft tissues, inflammation
 Use Cellulitis
 Soft tissues, injuries
 Soft tissues, MR studies
 Soft tissues, neoplasms
 Soft tissues, radionuclide studies
 Soft tissues, therapeutic radiology
 Soft tissues, US studies
 Sparganosis
 Special reports
 Speech
 Sphenoid bone
 Sphenoid bone, neoplasms
 Spina bifida
 Spinal canal
 Spinal canal, CT
 Spinal canal, cysts
 Spinal canal, MR studies
 Spinal canal, neoplasms
 Spinal canal, stenosis
 Spinal canal, US studies
 Spinal cord
 Use also Arachnoid; Meninges
 Spinal cord, abnormalities
 Spinal cord, blood supply
 Spinal cord, compression
 Spinal cord, CT
 Spinal cord, cysts
 Spinal cord, diseases
 Spinal cord, effects of irradiation on
 Spinal cord, hemorrhage
 Spinal cord, infection
 Spinal cord, injuries
 Spinal cord, MR studies
 Spinal cord, neoplasms
 Spinal cord, radiography
 Use Myelography
 Spinal cord, stenosis
 Spinal cord, surgery
 Spinal cord, therapeutic radiology
 Spinal cord, US studies
 Spine
 Use also Spinal cord
 Spine, abnormalities
 Spine, anatomy
 Spine, angiography
 Spine, arthritis
 Spine, biopsy
 Spine, collapse
 Spine, CT
 Spine, curvature
 Spine, cysts
 Spine, diseases
 Spine, dislocation
 Spine, facet joints
 Spine, fractures
 Spine, hemorrhage
 Spine, infection
 Spine, inflammation
 Use Spondylitis
 Spine, injuries
 Spine, intervertebral disks
 Spine, lymphoma
 Spine, mineralization
 Spine, MR studies
 Spine, necrosis
 Spine, neoplasms
 Use Spine, primary neoplasms; Spine, secondary neoplasms
 Spine, primary neoplasms
 Spine, radiography
 Spine, radionuclide studies
 Spine, secondary neoplasms
 Spine, stenosis
 Spine, surgery
 Spine, therapeutic radiology
 Spine, US studies
 Spleen
 Spleen, abnormalities
 Spleen, abscess
 Spleen, accessory
 Spleen, biopsy
 Spleen, CT
 Spleen, cysts
 Spleen, diseases
 Spleen, hemorrhage
 Spleen, infarction
 Spleen, injuries
 Spleen, interventional procedure
 Spleen, MR studies
 Spleen, neoplasms
 Spleen, radiography
 Spleen, radionuclide studies
 Spleen, rupture
 Spleen, size

Spleen, surgery
 Spleen, therapeutic radiology
 Spleen, transplantation
 Spleen, US studies
 Spondylitis
 Spondylolisthesis
 Use Spine, dislocation
 Spondylolysis
 Sporotrichosis
 Sprue
 Staphylococci
 State-of-art reviews
 Statistical analysis
 Steatorrhea
 Sterility
 Sternum
 Sternum, abnormalities
 Sternum, CT
 Sternum, neoplasms
 Sternum, radionuclide studies
 Steroids
 Steroids, complications
 Still disease
 Use Arthritis, rheumatoid
 Stomach
 Use also Gastrointestinal tract
 Stomach, abnormalities
 Stomach, anatomy
 Stomach, CT
 Stomach, cysts
 Stomach, dilatation
 Stomach, diseases
 Stomach, diverticula
 Stomach, hemorrhage
 Stomach, infection
 Stomach, inflammation
 Use Gastritis
 Stomach, interventional procedure
 Stomach, ischemia
 Stomach, motility
 Stomach, MR studies
 Stomach, mucosa
 Stomach, neoplasms
 Stomach, polyps
 Use Stomach, neoplasms
 Stomach, radiography
 Stomach, radionuclide studies
 Stomach, reflux
 Stomach, stenosis or obstruction
 Stomach, surgery
 Stomach, therapeutic radiology
 Stomach, ulcer
 Use Peptic ulcer
 Stomach, US studies
 Stomach, varices
 Stomach, volvulus
 Streptokinase
 Subarachnoid space
 Subarachnoid space, CT
 Subarachnoid space, hemorrhage
 Subclavian steal syndrome
 Subtraction
 Subtraction, dual-energy
 Surfactant
 Surgery, complications
 Swallowing
 Use Pharynx
 Synovial fluid
 Synovial membrane
 Synovial membrane, cysts
 Synovitis
 Syphilis
 Syringomyelia

T

Takayasu arteritis
 Talc
 Technetium, radioactive
 Technetium-MDP
 Technologists
 Teeth
 Telangiectasia
 Teleradiology
 Use Video systems
 Temporal bone
 Temporal bone, abnormalities
 Temporal bone, CT
 Temporal bone, cysts
 Temporal bone, diseases
 Temporal bone, fractures
 Temporal bone, MR studies

Temporal bone, neoplasms
 Tendinitis
 Tendons
 Tendons, CT
 Tendons, injuries
 Tendons, MR studies
 Tendons, US studies
 Tenosynovitis
 Teratoma
 Testis, abnormalities
 Testis, abscess
 Testis, calculi
 Testis, CT
 Testis, cysts
 Testis, inflammation
 Use Orchitis
 Testis, MR studies
 Testis, neoplasms
 Testis, radionuclide studies
 Testis, therapeutic radiology
 Testis, torsion
 Testis, undescended
 Testis, US studies
 Test objects
 Use also Phantoms
 Tetralogy of Fallot
 Thalassemia
 Use Anemia
 Thallium, radioactive
 Therapeutic radiology
 Therapeutic radiology, comparative studies
 Therapeutic radiology, complications
 Use Radiations, injurious effects,
 complications of therapeutic radiology
 Therapeutic radiology, computer-assisted
 Therapeutic radiology, dosimetry
 Use Dosimetry
 Therapeutic radiology, electrons
 Therapeutic radiology, experimental
 Therapeutic radiology, in infants and children
 Therapeutic radiology, interstitial and
 intracavitary
 Therapeutic radiology, intraoperative
 Therapeutic radiology, nutrition
 Therapeutic radiology, photons
 Therapeutic radiology, physics
 Therapeutic radiology, postoperative
 Therapeutic radiology, preoperative
 Therapeutic radiology, quality assurance
 Therapeutic radiology, technology
 Therapeutic radiology, treatment planning
 Use Treatment planning
 Thermography
 Thigh
 Thigh, CT
 Thigh, US studies
 Thoracic duct
 Thoracentesis
 Thoracolumbar fractures
 Use Spine, fractures
 Thorax
 Use also Bronchi; Heart; Lung; Mediastinum;
 Ribs; etc.
 Thorax, abnormalities
 Thorax, anatomy
 Thorax, biopsy
 Thorax, CT
 Thorax, cysts
 Thorax, diseases
 Thorax, hemorrhage
 Thorax, injuries
 Thorax, MR studies
 Thorax, neoplasms
 Thorax, radiography
 Thorax, radionuclide studies
 Thorax, surgery
 Thorax, therapeutic radiology
 Thorax, tomography
 Thorax, US studies
 Thorium oxide
 Thromboembolism
 Use Embolism; Thrombosis
 Thrombolysis
 Thrombophlebitis
 Thrombosis
 Use also individual vessels, e.g., Cerebral
 blood vessels, thrombosis; Hepatic veins,
 thrombosis
 Thrombosis, arterial
 Use also individual vessels, e.g., Carotid
 arteries, thrombosis
 Thrombosis, experimental
 Thrombosis, MR studies
 Thrombosis, radionuclide studies
 Thrombosis, renal vein
 Use Renal veins, thrombosis

Thrombosis, US studies
 Thrombosis, venous
 Use also individual vessels, e.g., Hepatic veins,
 thrombosis
 Thymoma
 Use Thymus, neoplasms
 Thymus
 Thymus, abnormalities
 Thymus, CT
 Thymus, cysts
 Thymus, hyperplasia
 Thymus, MR studies
 Thymus, neoplasms
 Thymus, radiography
 Thymus, radionuclide studies
 Thymus, therapeutic radiology
 Thymus, US studies
 Thyroglossal duct
 Thyroid
 Thyroid, abnormalities
 Thyroid, biopsy
 Thyroid, calcification
 Thyroid, CT
 Thyroid, diseases
 Thyroid, hyperthyroidism
 Thyroid, hypothyroidism
 Thyroid, inflammation
 Use Thyroiditis
 Thyroid, lingual
 Thyroid, MR studies
 Thyroid, neoplasms
 Thyroid, radionuclide studies
 Thyroid, surgery
 Thyroid, therapeutic radiology
 Thyroid, US studies
 Thyroiditis
 Thyroxine
 Tibia, abnormalities
 Tibia, CT
 Tibia, fractures
 Tibia, neoplasms
 Tobacco
 Toes
 Use Fingers and toes
 Toluene
 Tomography
 Use also Computed tomography (CT)
 Tomography, radionuclide
 Tomography, technology
 Tongue, CT
 Tongue, MR studies
 Tongue, neoplasms
 Tongue, therapeutic radiology
 Tongue, US studies
 Tonsils
 Tonsils, neoplasms
 Tonsils, therapeutic radiology
 Total-body irradiation
 Toxocariasis
 Toxoplasmosis
 Trachea
 Trachea, abnormalities
 Trachea, compression
 Trachea, CT
 Trachea, diseases
 Trachea, injuries
 Trachea, interventional procedure
 Trachea, MR studies
 Trachea, neoplasms
 Trachea, radiography
 Trachea, stenosis or obstruction
 Trachea, surgery
 Trachea, US studies
 Transillumination
 Use Breast, transillumination
 Transluminal angioplasty
 Use Arteries, transluminal angioplasty; Veins,
 transluminal angioplasty
 Transposition of great vessels
 Trauma
 Treatment planning
 Tricuspid valve
 Tricuspid valve, abnormalities
 Tricuspid valve, insufficiency
 Tricuspid valve, regurgitation
 Tuberculosis
 Tuberculosis, adrenal
 Tuberculosis, central nervous system
 Tuberculosis, gastrointestinal
 Tuberculosis, genitourinary
 Tuberculosis, intracranial
 Tuberculosis, pulmonary
 Tuberculosis, renal
 Tuberculosis, skeletal
 Tuberculosis, therapy

Tuberous sclerosis
 Use Sclerosis, tuberous
 Tumoral calcinosis
 Use Calcium
 Turner syndrome
 Use Chromosomes, abnormalities
 Twins
 Twins, abnormalities
 Typhlitis
 Use Intestines, inflammation

U

Ulcer
 Use Peptic ulcer
 Ulna
 Ultrasound (US)
 Use also under names of organs and regions, such as Heart, US studies
 Ultrasound (US), artifact
 Ultrasound (US), biological effects
 Ultrasound (US), catheter identification
 Ultrasound (US), comparative studies
 Ultrasound (US), contrast media
 Ultrasound (US), CT
 Ultrasound (US), Doppler studies
 Ultrasound (US), experimental
 Ultrasound (US), in infants and children
 Ultrasound (US), intraoperative
 Ultrasound (US), pediatric
 Use Ultrasound (US), in infants and children
 Ultrasound (US), physics
 Ultrasound (US), technology
 Ultrasound (US), therapeutic
 Ultrasound (US), tissue characterization
 Ultrasound (US), treatment planning
 Ultrasound (US), utilization
 Ultrasound (US) guidance
 Umbilical cord
 Urachus
 Uremia
 Ureter
 Use also Genitourinary system
 Ureter, abnormalities
 Ureter, calculi
 Ureter, CT
 Ureter, diverticula
 Ureter, enlarged
 Ureter, infection
 Ureter, injuries
 Ureter, interventional procedure
 Ureter, neoplasms
 Ureter, obstruction
 Use Ureter, stenosis or obstruction
 Ureter, percutaneous drainage
 Use Ureter, interventional procedure
 Ureter, postoperative
 Ureter, radionuclide studies
 Ureter, reflux
 Ureter, stenosis or obstruction
 Ureter, stone extraction
 Ureter, surgery
 Ureter, US studies
 Ureterocele
 Use Ureter, enlarged
 Urethra
 Use also Genitourinary system
 Urethra, abnormalities
 Urethra, diverticula
 Urethra, interventional procedure
 Urethra, neoplasms
 Urethra, obstruction
 Use Urethra, stenosis or obstruction
 Urethra, radiography
 Urethra, stenosis or obstruction
 Urethra, US studies
 Urethra, valves
 Urine
 Urine, extravasation
 Urine, incontinence
 Urine, reflux
 Urinoma
 Urography
 Urography, complications
 Urography, contrast media
 Urography, radiation dose
 Urography, technology
 Urokinase
 Urolithiasis
 Use Genitourinary system, calculi
 Uterine neoplasms
 Uterine neoplasms, CT
 Uterine neoplasms, diagnosis
 Uterine neoplasms, metastases
 Uterine neoplasms, MR studies
 Uterine neoplasms, radionuclide studies
 Uterine neoplasms, staging

Uterine neoplasms, therapeutic radiology
 Uterine neoplasms, therapy
 Uterine neoplasms, US studies
 Uterus
 Use also Pelvis; Pregnancy; Uterine neoplasms
 Uterus, abnormalities
 Uterus, CT
 Uterus, cysts
 Uterus, diseases
 Uterus, hemorrhage
 Uterus, hydatidiform mole
 Uterus, MR studies
 Uterus, neoplasms
 Use Uterine neoplasms
 Uterus, perforation
 Uterus, radiography
 Uterus, radionuclide studies
 Uterus, rupture
 Uterus, size
 Uterus, US studies
 Use also Fetus, US studies; Pregnancy, US studies

V

Vagina
 Vagina, abnormalities
 Vagina, CT
 Vagina, cysts
 Vagina, MR studies
 Vagina, neoplasms
 Vagina, therapeutic radiology
 Varices
 Use Esophagus, varices
 Varicocele
 Varicose veins
 Use Veins, extremities
 Vasa vasorum
 Vasculitis
 Vasopressin
 Veins
 Use also Angiography; Arteriovenous malformations; Cerebral blood vessels; Coronary vessels; Embolism; Thrombosis; Venography; under names of specific blood vessels, such as Portal vein; Renal veins; etc.
 Veins, abnormalities
 Veins, adrenal
 Veins, axillary
 Veins, azygos
 Veins, brachiocephalic
 Use Veins, innominate
 Veins, CT
 Veins, cystic
 Veins, epidural
 Veins, extremities
 Veins, Galen
 Veins, grafts and prostheses
 Veins, hemiazygos
 Veins, hepatic
 Use Hepatic veins
 Veins, iliac
 Veins, injuries
 Veins, innominate
 Veins, interventional procedure
 Use Veins, transluminal angioplasty
 Veins, jugular
 Veins, mesenteric
 Veins, MR studies
 Veins, ophthalmic
 Veins, ovarian
 Veins, pelvic
 Veins, popliteal
 Use also Veins, extremities
 Veins, portal
 Use Portal vein
 Veins, prostheses
 Use Veins, grafts and prostheses
 Veins, pulmonary
 Use Pulmonary veins
 Veins, radionuclide studies
 Veins, renal
 Use Renal veins
 Veins, spermatic
 Veins, splenic
 Veins, stenosis or obstruction
 Veins, subclavian
 Veins, therapeutic blockade
 Veins, thyroid
 Veins, transluminal angioplasty
 Veins, umbilical
 Veins, US studies
 Veins, vertebral
 Venae cavae
 Venae cavae, abnormalities
 Venae cavae, angiography
 Venae cavae, CT
 Venae cavae, filters

Venae cavae, grafts and prostheses
 Venae cavae, interventional procedure
 Venae cavae, MR studies
 Venae cavae, neoplasms
 Venae cavae, obstruction
 Use Venae cavae, stenosis or obstruction
 Venae cavae, perforation
 Venae cavae, radionuclide studies
 Venae cavae, stenosis or obstruction
 Venae cavae, thrombosis
 Venae cavae, transluminal angioplasty
 Venae cavae, US studies
 Venography
 Use also Angiography
 Venography, complications
 Venography, contrast media
 Venography, radionuclide
 Venography, technology
 Ventricles
 Use Brain; Heart, ventricles
 Ventricular septal defect
 Vertebrae
 Use Spine
 Vertebral arteries
 Vertebral arteries, abnormalities
 Vertebral arteries, angiography
 Vertebral arteries, injuries
 Vertebral arteries, interventional procedure
 Use Vertebral arteries, transluminal angioplasty
 Vertebral arteries, occlusion
 Use Vertebral arteries, stenosis or obstruction
 Vertebral arteries, stenosis or obstruction
 Vertebral arteries, therapeutic blockade
 Vertebral arteries, transluminal angioplasty
 Vertebral arteries, US studies
 Videodensitometry
 Video systems
 Viruses
 Vision
 Vitamins
 Vocal cords
 Vocal cords, neoplasms
 Vocal cords, therapeutic radiology
 Volvulus
 Use Intestines, volvulus; Stomach, volvulus
 Vulva, neoplasms

W

Walker-Dandy syndrome
 Use Brain, abnormalities
 Warfarin
 Use Anticoagulants
 Wegener granulomatosis
 Use Granuloma
 Wilms tumor
 Use Kidney neoplasms
 Wilson disease
 Wrist
 Wrist, arthritis
 Wrist, arthrography
 Wrist, CT
 Wrist, fractures
 Wrist, injuries
 Wrist, MR studies
 Wrist, necrosis
 Wrist, neoplasms
 Wrist, prostheses
 Wrist, radiography
 Wrist, radionuclide studies
 Wrist, tomography
 Wrist, US studies

X

Xanthoma
 Xenon
 Xenon, radioactive
 Xeromammography
 Use Breast radiography
 Xeroradiography
 X rays
 Use Diagnostic radiology; Dosimetry; Radiations; Radiography; Therapeutic radiology

Y

Yttrium, radioactive

Z

Zinc
 Zollinger-Ellison syndrome
 Use Pancreas, neoplasms

